

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: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

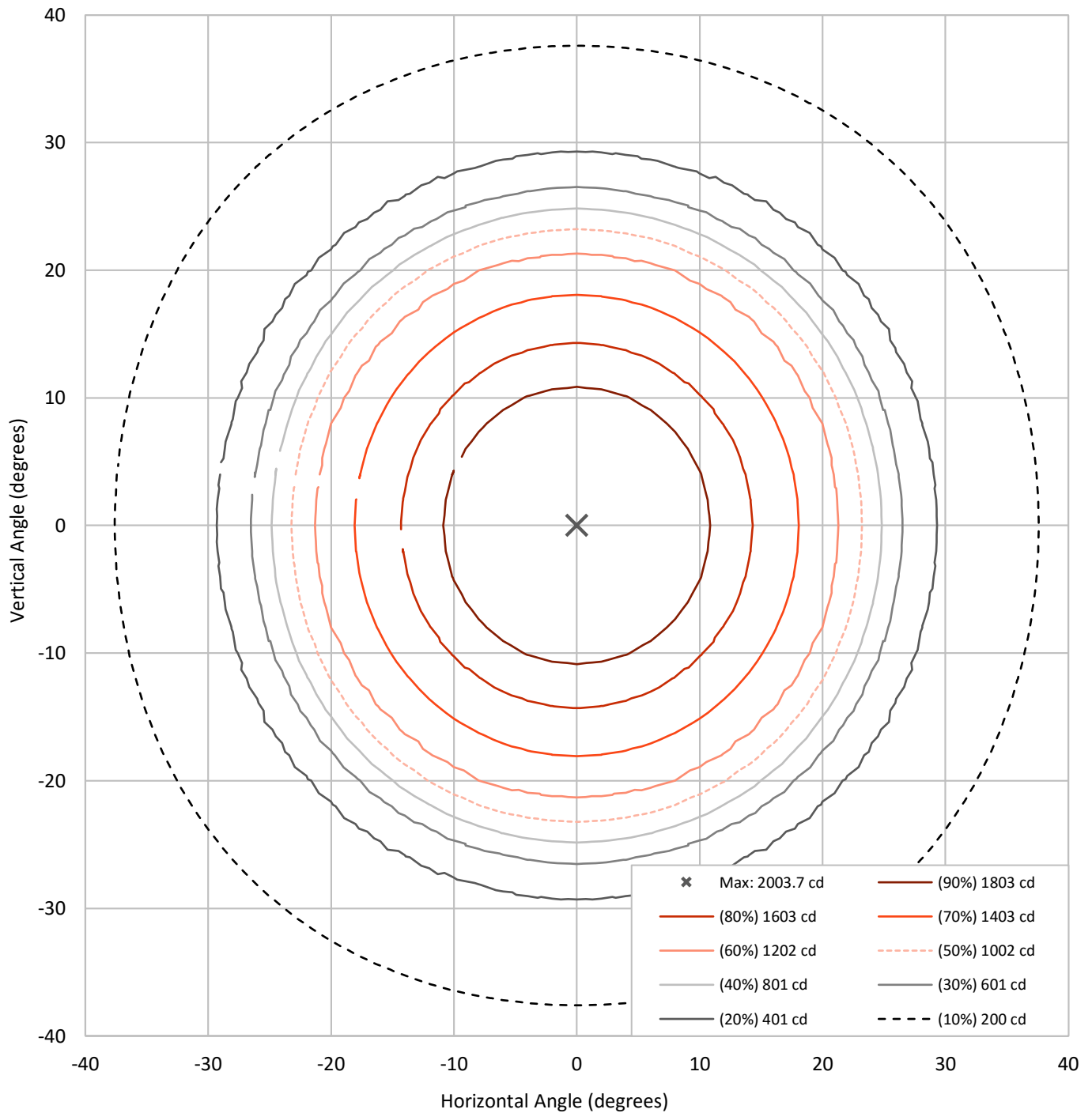
Test Method: LM-79-08
Report Number: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1348.7 lumens	Max Intensity:	2003.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	67.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46.5°H x 46.5°V	Field Angle (10%):	75.2°H x 75.2°V
Beam Lumens:	774.7 lumens	Field Lumens:	1103.8 lumens
Beam Efficiency:	57.4%	Field Efficiency:	81.8%
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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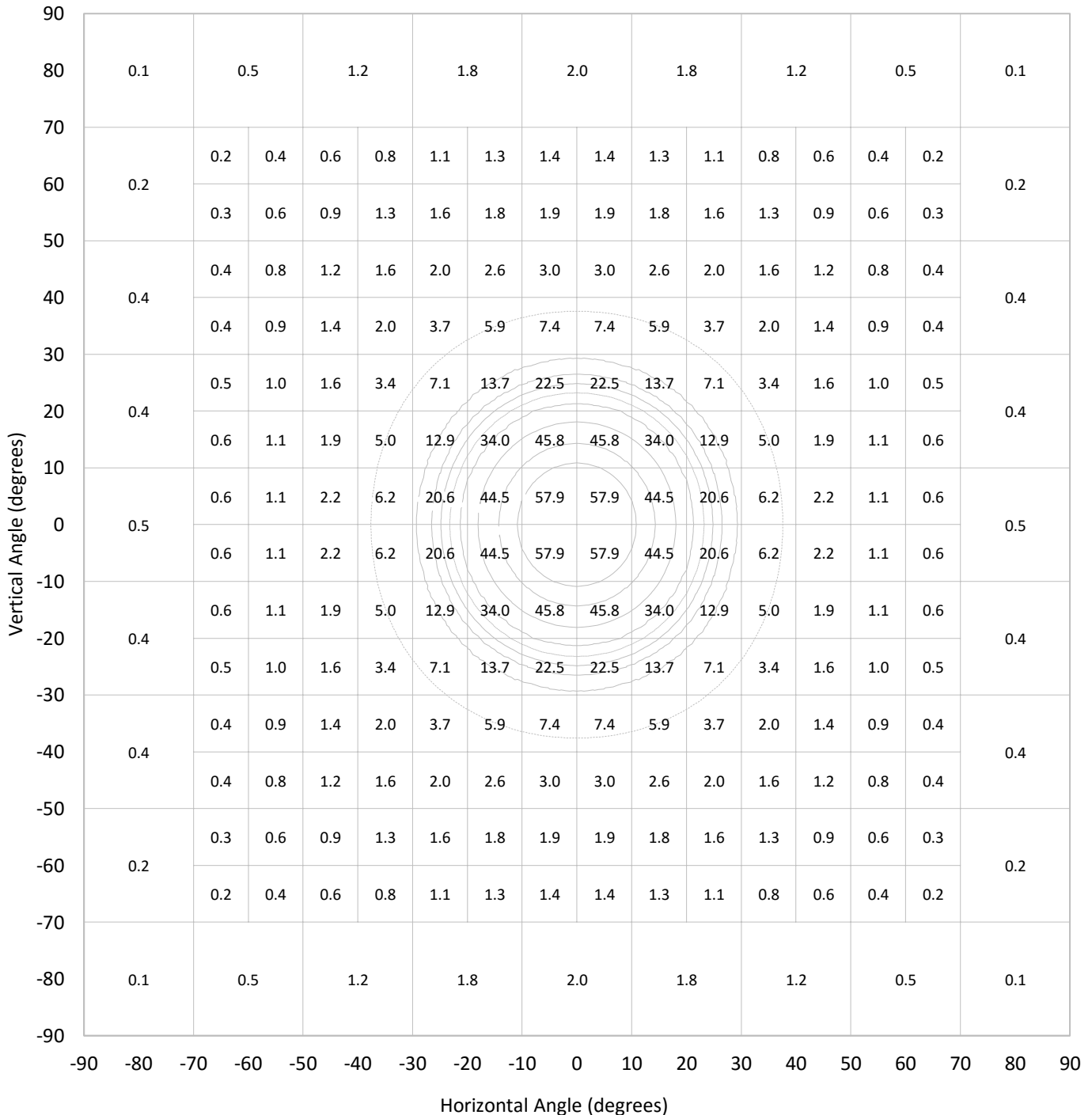
Iso-Candela Plot





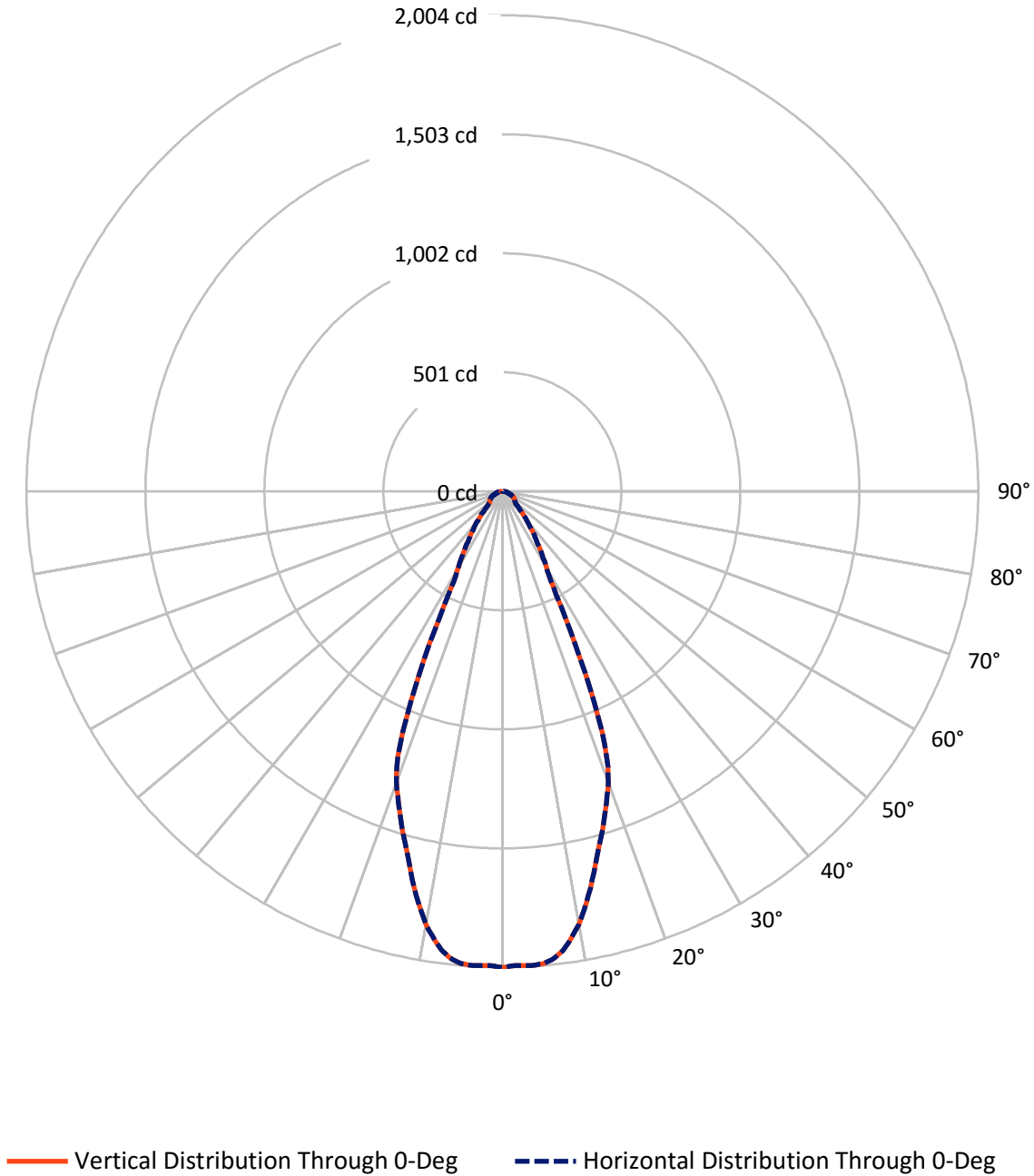
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Lumen Table



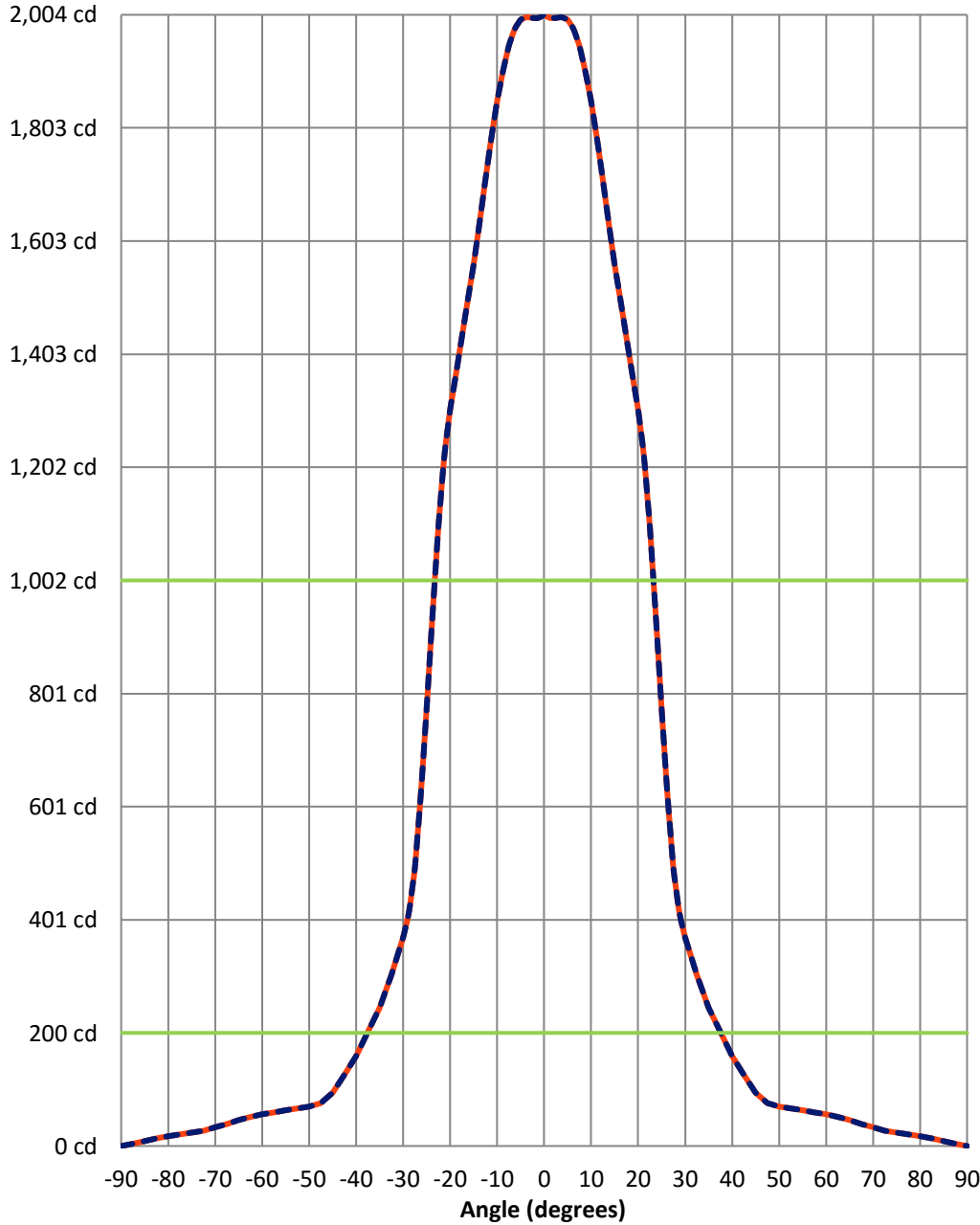
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.5°
 V Angle: 46.5°
 Lumens: 774.7
 Efficiency: 57.4%

Field:
 H Angle: 75.2°
 V Angle: 75.2°
 Lumens: 1103.8
 Efficiency: 81.8%

Spill:
 Lumens: 244.9
 Efficiency: 18.2%

— 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	0.2	0.2	0.3	0.3	0.3	0.4	0.4
87.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
86.25°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
83.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2
82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
81.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
80°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
78.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
77.5°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.9	4.3
76.25°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.3	4.8
75°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.7	5.3
73.75°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5	5.2	5.8
72.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.9	5.6	6.3
71.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.6	5.3	6.1	6.8
70°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.9	5.7	6.5	7.3
68.75°	0.0	0.7	1.4	2.2	2.9	3.6	4.4	5.2	6.1	6.9	7.8
67.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.7	5.6	6.5	7.3	8.2
66.25°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	5.9	6.8	7.8	8.7
65°	0.0	0.8	1.7	2.5	3.4	4.3	5.2	6.2	7.2	8.2	9.2
63.75°	0.0	0.9	1.8	2.7	3.5	4.5	5.5	6.6	7.6	8.6	9.6
62.5°	0.0	0.9	1.8	2.8	3.7	4.7	5.8	6.9	7.9	9.0	10.1
61.25°	0.0	1.0	1.9	2.9	3.8	4.9	6.1	7.2	8.3	9.4	10.6
60°	0.0	1.0	2.0	3.0	4.0	5.2	6.3	7.5	8.7	9.8	11.0
58.75°	0.0	1.0	2.1	3.1	4.2	5.4	6.6	7.8	9.0	10.3	11.5
57.5°	0.0	1.1	2.1	3.2	4.3	5.6	6.9	8.1	9.4	10.7	11.9
56.25°	0.0	1.1	2.2	3.3	4.5	5.8	7.1	8.4	9.7	11.0	12.4
55°	0.0	1.1	2.3	3.4	4.7	6.0	7.4	8.7	10.1	11.4	12.8
53.75°	0.0	1.2	2.4	3.5	4.9	6.2	7.6	9.0	10.4	11.8	13.2
52.5°	0.0	1.2	2.4	3.7	5.0	6.4	7.9	9.3	10.8	12.2	13.6
51.25°	0.0	1.3	2.5	3.8	5.2	6.6	8.1	9.6	11.1	12.6	13.9
50°	0.0	1.3	2.6	3.9	5.3	6.8	8.3	9.9	11.4	12.9	14.3
48.75°	0.0	1.3	2.6	4.0	5.5	7.0	8.6	10.2	11.7	13.3	14.6
47.5°	0.0	1.4	2.7	4.1	5.6	7.2	8.8	10.4	12.0	13.6	14.9
46.25°	0.0	1.4	2.8	4.2	5.8	7.4	9.0	10.7	12.3	13.9	15.2
45°	0.0	1.4	2.8	4.3	5.9	7.6	9.3	11.0	12.6	14.2	15.5
43.75°	0.0	1.4	2.9	4.4	6.1	7.8	9.5	11.2	12.9	14.4	15.8
42.5°	0.0	1.5	2.9	4.5	6.2	8.0	9.7	11.5	13.2	14.7	16.1
41.25°	0.0	1.5	3.0	4.6	6.4	8.1	9.9	11.7	13.5	15.0	16.4
40°	0.0	1.5	3.1	4.7	6.5	8.3	10.1	11.9	13.7	15.2	16.7
38.75°	0.0	1.6	3.1	4.8	6.6	8.5	10.3	12.2	13.9	15.5	17.0
37.5°	0.0	1.6	3.2	4.9	6.8	8.6	10.5	12.4	14.2	15.7	17.2
36.25°	0.0	1.6	3.2	5.0	6.9	8.8	10.7	12.6	14.4	15.9	17.5
35°	0.0	1.6	3.3	5.1	7.0	8.9	10.9	12.8	14.6	16.1	17.7



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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	1.7	3.3	5.2	7.1	9.1	11.1	13.1	14.8	16.4	17.9
32.5°	0.0	1.7	3.4	5.2	7.2	9.2	11.2	13.3	14.9	16.6	18.1
31.25°	0.0	1.7	3.4	5.3	7.3	9.4	11.4	13.4	15.1	16.8	18.2
30°	0.0	1.7	3.5	5.4	7.4	9.5	11.6	13.6	15.3	17.0	18.4
28.75°	0.0	1.8	3.5	5.5	7.5	9.6	11.7	13.8	15.5	17.2	18.6
27.5°	0.0	1.8	3.5	5.6	7.6	9.7	11.9	13.9	15.6	17.3	18.8
26.25°	0.0	1.8	3.6	5.6	7.7	9.9	12.0	14.0	15.8	17.5	18.9
25°	0.0	1.8	3.6	5.7	7.8	10.0	12.1	14.2	15.9	17.6	19.1
23.75°	0.0	1.8	3.7	5.8	7.9	10.1	12.3	14.3	16.1	17.8	19.2
22.5°	0.0	1.8	3.7	5.8	8.0	10.2	12.4	14.4	16.2	17.9	19.4
21.25°	0.0	1.9	3.7	5.9	8.1	10.3	12.5	14.5	16.3	18.0	19.5
20°	0.0	1.9	3.8	5.9	8.1	10.4	12.6	14.6	16.5	18.1	19.6
18.75°	0.0	1.9	3.8	6.0	8.2	10.5	12.7	14.7	16.6	18.2	19.7
17.5°	0.0	1.9	3.8	6.0	8.3	10.5	12.8	14.8	16.7	18.3	19.8
16.25°	0.0	1.9	3.8	6.1	8.3	10.6	12.9	14.9	16.8	18.4	20.0
15°	0.0	1.9	3.9	6.1	8.4	10.7	13.0	15.0	16.9	18.5	20.0
13.75°	0.0	1.9	3.9	6.1	8.4	10.8	13.1	15.1	16.9	18.6	20.1
12.5°	0.0	2.0	3.9	6.2	8.5	10.8	13.2	15.1	17.0	18.7	20.2
11.25°	0.0	2.0	3.9	6.2	8.5	10.9	13.2	15.2	17.1	18.7	20.3
10°	0.0	2.0	3.9	6.2	8.6	10.9	13.3	15.2	17.2	18.8	20.4
8.75°	0.0	2.0	4.0	6.3	8.6	11.0	13.3	15.3	17.2	18.8	20.4
7.5°	0.0	2.0	4.0	6.3	8.6	11.0	13.4	15.3	17.3	18.9	20.5
6.25°	0.0	2.0	4.0	6.3	8.6	11.0	13.4	15.4	17.3	18.9	20.5
5°	0.0	2.0	4.0	6.3	8.7	11.1	13.4	15.4	17.3	18.9	20.5
3.75°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.4	17.4	19.0	20.6
2.5°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.4	17.4	19.0	20.6
1.25°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.4	17.4	19.0	20.6
0°	0.0	2.0	4.0	6.4	8.7	11.1	13.5	15.5	17.4	19.0	20.6
-1.25°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.4	17.4	19.0	20.6
-2.5°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.4	17.4	19.0	20.6
-3.75°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.4	17.4	19.0	20.6
-5°	0.0	2.0	4.0	6.3	8.7	11.1	13.4	15.4	17.3	18.9	20.5
-6.25°	0.0	2.0	4.0	6.3	8.6	11.0	13.4	15.4	17.3	18.9	20.5
-7.5°	0.0	2.0	4.0	6.3	8.6	11.0	13.4	15.3	17.3	18.9	20.5
-8.75°	0.0	2.0	4.0	6.3	8.6	11.0	13.3	15.3	17.2	18.8	20.4
-10°	0.0	2.0	3.9	6.2	8.6	10.9	13.3	15.2	17.2	18.8	20.4
-11.25°	0.0	2.0	3.9	6.2	8.5	10.9	13.2	15.2	17.1	18.7	20.3
-12.5°	0.0	2.0	3.9	6.2	8.5	10.8	13.2	15.1	17.0	18.7	20.2
-13.75°	0.0	1.9	3.9	6.1	8.4	10.8	13.1	15.1	16.9	18.6	20.1
-15°	0.0	1.9	3.9	6.1	8.4	10.7	13.0	15.0	16.9	18.5	20.0
-16.25°	0.0	1.9	3.8	6.1	8.3	10.6	12.9	14.9	16.8	18.4	20.0
-17.5°	0.0	1.9	3.8	6.0	8.3	10.5	12.8	14.8	16.7	18.3	19.8
-18.75°	0.0	1.9	3.8	6.0	8.2	10.5	12.7	14.7	16.6	18.2	19.7
-20°	0.0	1.9	3.8	5.9	8.1	10.4	12.6	14.6	16.5	18.1	19.6
-21.25°	0.0	1.9	3.7	5.9	8.1	10.3	12.5	14.5	16.3	18.0	19.5



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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	1.8	3.7	5.8	8.0	10.2	12.4	14.4	16.2	17.9	19.4
-23.75°	0.0	1.8	3.7	5.8	7.9	10.1	12.3	14.3	16.1	17.8	19.2
-25°	0.0	1.8	3.6	5.7	7.8	10.0	12.1	14.2	15.9	17.6	19.1
-26.25°	0.0	1.8	3.6	5.6	7.7	9.9	12.0	14.0	15.8	17.5	18.9
-27.5°	0.0	1.8	3.5	5.6	7.6	9.7	11.9	13.9	15.6	17.3	18.8
-28.75°	0.0	1.8	3.5	5.5	7.5	9.6	11.7	13.8	15.5	17.2	18.6
-30°	0.0	1.7	3.5	5.4	7.4	9.5	11.6	13.6	15.3	17.0	18.4
-31.25°	0.0	1.7	3.4	5.3	7.3	9.4	11.4	13.4	15.1	16.8	18.2
-32.5°	0.0	1.7	3.4	5.2	7.2	9.2	11.2	13.3	14.9	16.6	18.1
-33.75°	0.0	1.7	3.3	5.2	7.1	9.1	11.1	13.1	14.8	16.4	17.9
-35°	0.0	1.6	3.3	5.1	7.0	8.9	10.9	12.8	14.6	16.1	17.7
-36.25°	0.0	1.6	3.2	5.0	6.9	8.8	10.7	12.6	14.4	15.9	17.5
-37.5°	0.0	1.6	3.2	4.9	6.8	8.6	10.5	12.4	14.2	15.7	17.2
-38.75°	0.0	1.6	3.1	4.8	6.6	8.5	10.3	12.2	13.9	15.5	17.0
-40°	0.0	1.5	3.1	4.7	6.5	8.3	10.1	11.9	13.7	15.2	16.7
-41.25°	0.0	1.5	3.0	4.6	6.4	8.1	9.9	11.7	13.5	15.0	16.4
-42.5°	0.0	1.5	2.9	4.5	6.2	8.0	9.7	11.5	13.2	14.7	16.1
-43.75°	0.0	1.4	2.9	4.4	6.1	7.8	9.5	11.2	12.9	14.4	15.8
-45°	0.0	1.4	2.8	4.3	5.9	7.6	9.3	11.0	12.6	14.2	15.5
-46.25°	0.0	1.4	2.8	4.2	5.8	7.4	9.0	10.7	12.3	13.9	15.2
-47.5°	0.0	1.4	2.7	4.1	5.6	7.2	8.8	10.4	12.0	13.6	14.9
-48.75°	0.0	1.3	2.6	4.0	5.5	7.0	8.6	10.2	11.7	13.3	14.6
-50°	0.0	1.3	2.6	3.9	5.3	6.8	8.3	9.9	11.4	12.9	14.3
-51.25°	0.0	1.3	2.5	3.8	5.2	6.6	8.1	9.6	11.1	12.6	13.9
-52.5°	0.0	1.2	2.4	3.7	5.0	6.4	7.9	9.3	10.8	12.2	13.6
-53.75°	0.0	1.2	2.4	3.5	4.9	6.2	7.6	9.0	10.4	11.8	13.2
-55°	0.0	1.1	2.3	3.4	4.7	6.0	7.4	8.7	10.1	11.4	12.8
-56.25°	0.0	1.1	2.2	3.3	4.5	5.8	7.1	8.4	9.7	11.0	12.4
-57.5°	0.0	1.1	2.1	3.2	4.3	5.6	6.9	8.1	9.4	10.7	11.9
-58.75°	0.0	1.0	2.1	3.1	4.2	5.4	6.6	7.8	9.0	10.3	11.5
-60°	0.0	1.0	2.0	3.0	4.0	5.2	6.3	7.5	8.7	9.8	11.0
-61.25°	0.0	1.0	1.9	2.9	3.8	4.9	6.1	7.2	8.3	9.4	10.6
-62.5°	0.0	0.9	1.8	2.8	3.7	4.7	5.8	6.9	7.9	9.0	10.1
-63.75°	0.0	0.9	1.8	2.7	3.5	4.5	5.5	6.6	7.6	8.6	9.6
-65°	0.0	0.8	1.7	2.5	3.4	4.3	5.2	6.2	7.2	8.2	9.2
-66.25°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	5.9	6.8	7.8	8.7
-67.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.7	5.6	6.5	7.3	8.2
-68.75°	0.0	0.7	1.4	2.2	2.9	3.6	4.4	5.2	6.1	6.9	7.8
-70°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.9	5.7	6.5	7.3
-71.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.6	5.3	6.1	6.8
-72.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.9	5.6	6.3
-73.75°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5	5.2	5.8
-75°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.7	5.3
-76.25°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.3	4.8
-77.5°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.9	4.3



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
-80°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
-81.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
-83.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2
-85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
-86.25°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
-87.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-88.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
87.5°	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
86.25°	1.4	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.7
85°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
83.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.5
82.5°	2.8	3.1	3.3	3.6	3.8	4.1	4.4	4.7	5.0	5.2	5.5
81.25°	3.3	3.6	3.9	4.2	4.6	4.9	5.2	5.6	5.9	6.2	6.6
80°	3.8	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.8	7.2	7.6
78.75°	4.3	4.7	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.6
77.5°	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.2	8.7	9.2	9.6
76.25°	5.4	5.9	6.5	7.0	7.5	8.1	8.6	9.1	9.6	10.2	10.7
75°	5.9	6.5	7.1	7.7	8.3	8.9	9.4	10.0	10.6	11.2	11.7
73.75°	6.5	7.1	7.7	8.4	9.0	9.6	10.3	10.9	11.5	12.1	12.8
72.5°	7.0	7.7	8.4	9.1	9.7	10.4	11.1	11.8	12.5	13.1	13.7
71.25°	7.5	8.3	9.0	9.7	10.5	11.2	11.9	12.7	13.4	14.0	14.6
70°	8.1	8.9	9.6	10.4	11.2	12.0	12.8	13.5	14.2	14.8	15.4
68.75°	8.6	9.4	10.3	11.1	11.9	12.8	13.6	14.2	14.9	15.5	16.2
67.5°	9.1	10.0	10.9	11.8	12.7	13.5	14.2	14.9	15.6	16.3	17.0
66.25°	9.6	10.6	11.5	12.5	13.4	14.2	14.9	15.6	16.4	17.1	17.7
65°	10.2	11.2	12.1	13.1	14.0	14.8	15.5	16.3	17.1	17.8	18.4
63.75°	10.7	11.7	12.8	13.7	14.6	15.4	16.2	17.0	17.7	18.4	19.0
62.5°	11.2	12.3	13.4	14.3	15.1	16.0	16.8	17.6	18.3	19.0	19.7
61.25°	11.7	12.8	13.9	14.8	15.7	16.6	17.5	18.2	18.9	19.6	20.3
60°	12.2	13.4	14.3	15.3	16.2	17.2	18.0	18.7	19.5	20.2	21.0
58.75°	12.7	13.8	14.8	15.8	16.8	17.7	18.5	19.3	20.0	20.8	21.6
57.5°	13.2	14.3	15.3	16.3	17.3	18.2	19.0	19.8	20.6	21.4	22.2
56.25°	13.6	14.7	15.8	16.8	17.8	18.6	19.5	20.3	21.1	22.0	22.8
55°	14.0	15.1	16.2	17.3	18.2	19.1	20.0	20.8	21.7	22.6	23.4
53.75°	14.4	15.5	16.7	17.7	18.6	19.5	20.4	21.3	22.2	23.1	24.0
52.5°	14.8	15.9	17.1	18.1	19.0	20.0	20.9	21.8	22.8	23.7	24.6
51.25°	15.1	16.3	17.5	18.5	19.5	20.4	21.4	22.3	23.3	24.2	25.2
50°	15.5	16.7	17.9	18.9	19.9	20.9	21.8	22.8	23.8	24.8	25.7
48.75°	15.9	17.1	18.2	19.2	20.3	21.3	22.3	23.3	24.3	25.3	26.3
47.5°	16.2	17.5	18.5	19.6	20.7	21.7	22.7	23.8	24.8	25.8	26.9
46.25°	16.6	17.8	18.9	20.0	21.0	22.1	23.2	24.2	25.3	26.4	27.8
45°	16.9	18.1	19.2	20.3	21.4	22.5	23.6	24.7	25.8	26.9	28.8
43.75°	17.2	18.4	19.5	20.7	21.8	22.9	24.0	25.1	26.2	27.7	29.9
42.5°	17.5	18.7	19.8	21.0	22.1	23.3	24.4	25.6	26.7	28.7	30.9
41.25°	17.8	19.0	20.1	21.3	22.5	23.7	24.8	26.0	27.3	29.6	31.8
40°	18.0	19.2	20.4	21.6	22.8	24.0	25.2	26.4	28.2	30.5	32.8
38.75°	18.3	19.5	20.7	22.0	23.2	24.4	25.6	26.8	29.0	31.4	33.7
37.5°	18.5	19.8	21.0	22.3	23.5	24.8	26.0	27.4	29.9	32.3	34.5
36.25°	18.7	20.0	21.3	22.6	23.8	25.1	26.4	28.2	30.7	33.1	35.3
35°	19.0	20.3	21.6	22.9	24.1	25.4	26.7	28.9	31.4	33.9	36.1



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	19.2	20.5	21.8	23.1	24.4	25.7	27.1	29.7	32.2	34.6	36.8
32.5°	19.4	20.7	22.1	23.4	24.7	26.1	27.8	30.4	32.9	35.3	37.6
31.25°	19.6	21.0	22.3	23.7	25.0	26.4	28.4	31.0	33.6	35.9	38.3
30°	19.8	21.2	22.6	23.9	25.3	26.7	29.0	31.7	34.2	36.6	39.0
28.75°	20.0	21.4	22.8	24.2	25.6	26.9	29.6	32.3	34.8	37.2	39.8
27.5°	20.2	21.6	23.0	24.4	25.8	27.4	30.2	32.9	35.4	37.8	40.6
26.25°	20.4	21.8	23.2	24.6	26.0	27.9	30.7	33.5	35.9	38.4	41.4
25°	20.5	22.0	23.4	24.8	26.3	28.4	31.2	34.0	36.5	39.0	42.1
23.75°	20.7	22.1	23.6	25.0	26.5	28.9	31.7	34.4	37.0	39.6	42.8
22.5°	20.8	22.3	23.8	25.2	26.7	29.3	32.2	34.9	37.4	40.3	43.5
21.25°	21.0	22.5	24.0	25.4	26.9	29.7	32.7	35.3	37.9	40.9	44.1
20°	21.1	22.6	24.1	25.6	27.2	30.1	33.1	35.7	38.3	41.5	44.7
18.75°	21.2	22.8	24.3	25.8	27.6	30.5	33.5	36.1	38.7	42.0	45.3
17.5°	21.4	22.9	24.4	25.9	27.9	30.9	33.8	36.4	39.2	42.5	45.9
16.25°	21.5	23.0	24.5	26.1	28.2	31.2	34.1	36.8	39.6	43.0	46.3
15°	21.6	23.1	24.7	26.2	28.5	31.5	34.4	37.1	40.0	43.4	46.6
13.75°	21.7	23.2	24.8	26.3	28.7	31.8	34.7	37.4	40.4	43.8	47.0
12.5°	21.8	23.3	24.9	26.5	29.0	32.1	34.9	37.6	40.8	44.2	47.3
11.25°	21.9	23.4	25.0	26.6	29.2	32.3	35.1	37.9	41.1	44.5	47.6
10°	21.9	23.5	25.1	26.6	29.4	32.5	35.3	38.1	41.4	44.8	47.8
8.75°	22.0	23.6	25.2	26.7	29.6	32.7	35.5	38.3	41.6	45.1	48.0
7.5°	22.0	23.6	25.2	26.8	29.7	32.9	35.7	38.4	41.8	45.4	48.2
6.25°	22.1	23.7	25.3	26.9	29.9	33.0	35.8	38.6	42.0	45.5	48.4
5°	22.1	23.7	25.3	26.9	30.0	33.1	35.9	38.7	42.2	45.7	48.5
3.75°	22.2	23.8	25.4	27.0	30.0	33.2	36.0	38.8	42.3	45.8	48.6
2.5°	22.2	23.8	25.4	27.0	30.1	33.2	36.1	38.8	42.4	45.9	48.7
1.25°	22.2	23.8	25.4	27.0	30.1	33.3	36.1	38.9	42.4	46.0	48.7
0°	22.2	23.8	25.4	27.0	30.2	33.3	36.1	38.9	42.5	46.0	48.8
-1.25°	22.2	23.8	25.4	27.0	30.1	33.3	36.1	38.9	42.4	46.0	48.7
-2.5°	22.2	23.8	25.4	27.0	30.1	33.2	36.1	38.8	42.4	45.9	48.7
-3.75°	22.2	23.8	25.4	27.0	30.0	33.2	36.0	38.8	42.3	45.8	48.6
-5°	22.1	23.7	25.3	26.9	30.0	33.1	35.9	38.7	42.2	45.7	48.5
-6.25°	22.1	23.7	25.3	26.9	29.9	33.0	35.8	38.6	42.0	45.5	48.4
-7.5°	22.0	23.6	25.2	26.8	29.7	32.9	35.7	38.4	41.8	45.4	48.2
-8.75°	22.0	23.6	25.2	26.7	29.6	32.7	35.5	38.3	41.6	45.1	48.0
-10°	21.9	23.5	25.1	26.6	29.4	32.5	35.3	38.1	41.4	44.8	47.8
-11.25°	21.9	23.4	25.0	26.6	29.2	32.3	35.1	37.9	41.1	44.5	47.6
-12.5°	21.8	23.3	24.9	26.5	29.0	32.1	34.9	37.6	40.8	44.2	47.3
-13.75°	21.7	23.2	24.8	26.3	28.7	31.8	34.7	37.4	40.4	43.8	47.0
-15°	21.6	23.1	24.7	26.2	28.5	31.5	34.4	37.1	40.0	43.4	46.6
-16.25°	21.5	23.0	24.5	26.1	28.2	31.2	34.1	36.8	39.6	43.0	46.3
-17.5°	21.4	22.9	24.4	25.9	27.9	30.9	33.8	36.4	39.2	42.5	45.9
-18.75°	21.2	22.8	24.3	25.8	27.6	30.5	33.5	36.1	38.7	42.0	45.3
-20°	21.1	22.6	24.1	25.6	27.2	30.1	33.1	35.7	38.3	41.5	44.7
-21.25°	21.0	22.5	24.0	25.4	26.9	29.7	32.7	35.3	37.9	40.9	44.1



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	20.8	22.3	23.8	25.2	26.7	29.3	32.2	34.9	37.4	40.3	43.5
-23.75°	20.7	22.1	23.6	25.0	26.5	28.9	31.7	34.4	37.0	39.6	42.8
-25°	20.5	22.0	23.4	24.8	26.3	28.4	31.2	34.0	36.5	39.0	42.1
-26.25°	20.4	21.8	23.2	24.6	26.0	27.9	30.7	33.5	35.9	38.4	41.4
-27.5°	20.2	21.6	23.0	24.4	25.8	27.4	30.2	32.9	35.4	37.8	40.6
-28.75°	20.0	21.4	22.8	24.2	25.6	26.9	29.6	32.3	34.8	37.2	39.8
-30°	19.8	21.2	22.6	23.9	25.3	26.7	29.0	31.7	34.2	36.6	39.0
-31.25°	19.6	21.0	22.3	23.7	25.0	26.4	28.4	31.0	33.6	35.9	38.3
-32.5°	19.4	20.7	22.1	23.4	24.7	26.1	27.8	30.4	32.9	35.3	37.6
-33.75°	19.2	20.5	21.8	23.1	24.4	25.7	27.1	29.7	32.2	34.6	36.8
-35°	19.0	20.3	21.6	22.9	24.1	25.4	26.7	28.9	31.4	33.9	36.1
-36.25°	18.7	20.0	21.3	22.6	23.8	25.1	26.4	28.2	30.7	33.1	35.3
-37.5°	18.5	19.8	21.0	22.3	23.5	24.8	26.0	27.4	29.9	32.3	34.5
-38.75°	18.3	19.5	20.7	22.0	23.2	24.4	25.6	26.8	29.0	31.4	33.7
-40°	18.0	19.2	20.4	21.6	22.8	24.0	25.2	26.4	28.2	30.5	32.8
-41.25°	17.8	19.0	20.1	21.3	22.5	23.7	24.8	26.0	27.3	29.6	31.8
-42.5°	17.5	18.7	19.8	21.0	22.1	23.3	24.4	25.6	26.7	28.7	30.9
-43.75°	17.2	18.4	19.5	20.7	21.8	22.9	24.0	25.1	26.2	27.7	29.9
-45°	16.9	18.1	19.2	20.3	21.4	22.5	23.6	24.7	25.8	26.9	28.8
-46.25°	16.6	17.8	18.9	20.0	21.0	22.1	23.2	24.2	25.3	26.4	27.8
-47.5°	16.2	17.5	18.5	19.6	20.7	21.7	22.7	23.8	24.8	25.8	26.9
-48.75°	15.9	17.1	18.2	19.2	20.3	21.3	22.3	23.3	24.3	25.3	26.3
-50°	15.5	16.7	17.9	18.9	19.9	20.9	21.8	22.8	23.8	24.8	25.7
-51.25°	15.1	16.3	17.5	18.5	19.5	20.4	21.4	22.3	23.3	24.2	25.2
-52.5°	14.8	15.9	17.1	18.1	19.0	20.0	20.9	21.8	22.8	23.7	24.6
-53.75°	14.4	15.5	16.7	17.7	18.6	19.5	20.4	21.3	22.2	23.1	24.0
-55°	14.0	15.1	16.2	17.3	18.2	19.1	20.0	20.8	21.7	22.6	23.4
-56.25°	13.6	14.7	15.8	16.8	17.8	18.6	19.5	20.3	21.1	22.0	22.8
-57.5°	13.2	14.3	15.3	16.3	17.3	18.2	19.0	19.8	20.6	21.4	22.2
-58.75°	12.7	13.8	14.8	15.8	16.8	17.7	18.5	19.3	20.0	20.8	21.6
-60°	12.2	13.4	14.3	15.3	16.2	17.2	18.0	18.7	19.5	20.2	21.0
-61.25°	11.7	12.8	13.9	14.8	15.7	16.6	17.5	18.2	18.9	19.6	20.3
-62.5°	11.2	12.3	13.4	14.3	15.1	16.0	16.8	17.6	18.3	19.0	19.7
-63.75°	10.7	11.7	12.8	13.7	14.6	15.4	16.2	17.0	17.7	18.4	19.0
-65°	10.2	11.2	12.1	13.1	14.0	14.8	15.5	16.3	17.1	17.8	18.4
-66.25°	9.6	10.6	11.5	12.5	13.4	14.2	14.9	15.6	16.4	17.1	17.7
-67.5°	9.1	10.0	10.9	11.8	12.7	13.5	14.2	14.9	15.6	16.3	17.0
-68.75°	8.6	9.4	10.3	11.1	11.9	12.8	13.6	14.2	14.9	15.5	16.2
-70°	8.1	8.9	9.6	10.4	11.2	12.0	12.8	13.5	14.2	14.8	15.4
-71.25°	7.5	8.3	9.0	9.7	10.5	11.2	11.9	12.7	13.4	14.0	14.6
-72.5°	7.0	7.7	8.4	9.1	9.7	10.4	11.1	11.8	12.5	13.1	13.7
-73.75°	6.5	7.1	7.7	8.4	9.0	9.6	10.3	10.9	11.5	12.1	12.8
-75°	5.9	6.5	7.1	7.7	8.3	8.9	9.4	10.0	10.6	11.2	11.7
-76.25°	5.4	5.9	6.5	7.0	7.5	8.1	8.6	9.1	9.6	10.2	10.7
-77.5°	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.2	8.7	9.2	9.6



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	4.3	4.7	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.6
-80°	3.8	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.8	7.2	7.6
-81.25°	3.3	3.6	3.9	4.2	4.6	4.9	5.2	5.6	5.9	6.2	6.6
-82.5°	2.8	3.1	3.3	3.6	3.8	4.1	4.4	4.7	5.0	5.2	5.5
-83.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.5
-85°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
-86.25°	1.4	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.7
-87.5°	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
-88.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
87.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
86.25°	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9
85°	3.7	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.0	5.2	5.3
83.75°	4.7	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8
82.5°	5.8	6.1	6.3	6.6	6.9	7.1	7.4	7.6	7.9	8.1	8.3
81.25°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
80°	7.9	8.3	8.7	9.0	9.4	9.7	10.1	10.4	10.8	11.1	11.4
78.75°	9.0	9.4	9.8	10.3	10.7	11.0	11.4	11.8	12.2	12.6	12.9
77.5°	10.1	10.6	11.0	11.5	11.9	12.4	12.8	13.2	13.6	13.9	14.3
76.25°	11.2	11.7	12.2	12.7	13.2	13.6	14.0	14.4	14.8	15.1	15.5
75°	12.3	12.8	13.4	13.8	14.3	14.7	15.1	15.5	15.9	16.3	16.7
73.75°	13.4	13.9	14.3	14.8	15.3	15.8	16.2	16.7	17.1	17.5	17.9
72.5°	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.7	18.1	18.5	18.9
71.25°	15.1	15.7	16.2	16.8	17.3	17.8	18.2	18.6	19.0	19.5	19.9
70°	16.0	16.6	17.2	17.7	18.2	18.6	19.1	19.5	20.0	20.4	20.9
68.75°	16.8	17.5	18.0	18.5	19.0	19.5	20.0	20.4	20.9	21.4	21.8
67.5°	17.6	18.2	18.7	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8
66.25°	18.3	18.9	19.5	20.0	20.6	21.1	21.7	22.2	22.8	23.3	23.8
65°	19.0	19.6	20.2	20.8	21.4	22.0	22.6	23.1	23.7	24.2	24.8
63.75°	19.7	20.3	21.0	21.6	22.2	22.8	23.4	24.0	24.6	25.2	25.7
62.5°	20.4	21.0	21.7	22.3	23.0	23.6	24.3	24.9	25.5	26.1	26.7
61.25°	21.0	21.7	22.4	23.1	23.8	24.4	25.1	25.8	26.4	27.1	28.3
60°	21.7	22.4	23.1	23.8	24.5	25.2	25.9	26.6	27.6	28.9	30.1
58.75°	22.3	23.1	23.8	24.6	25.3	26.0	26.8	27.9	29.3	30.6	32.0
57.5°	23.0	23.8	24.5	25.3	26.1	26.8	28.1	29.6	31.0	32.4	33.8
56.25°	23.6	24.4	25.2	26.0	26.8	28.2	29.7	31.2	32.7	34.1	35.4
55°	24.3	25.1	25.9	26.8	28.1	29.7	31.3	32.9	34.3	35.6	37.0
53.75°	24.9	25.8	26.6	27.9	29.6	31.2	32.9	34.3	35.8	37.2	38.5
52.5°	25.5	26.4	27.6	29.3	31.0	32.7	34.3	35.8	37.2	38.7	40.4
51.25°	26.1	27.1	28.9	30.6	32.4	34.1	35.6	37.2	38.7	40.5	42.4
50°	26.7	28.3	30.1	32.0	33.8	35.4	37.0	38.5	40.4	42.4	44.3
48.75°	27.6	29.5	31.4	33.3	35.0	36.6	38.3	40.2	42.2	44.2	46.2
47.5°	28.7	30.7	32.7	34.5	36.2	37.9	39.7	41.9	44.0	46.0	47.6
46.25°	29.8	31.9	33.8	35.6	37.4	39.2	41.4	43.5	45.7	47.4	49.1
45°	30.9	33.0	34.9	36.7	38.5	40.7	43.0	45.2	47.1	48.8	50.5
43.75°	32.0	34.0	35.9	37.8	39.9	42.2	44.5	46.6	48.4	50.1	51.8
42.5°	33.1	35.0	37.0	38.9	41.3	43.7	46.0	47.9	49.7	51.5	53.0
41.25°	34.0	36.0	38.0	40.2	42.7	45.1	47.2	49.1	50.9	52.6	54.2
40°	34.9	36.9	39.0	41.5	44.0	46.4	48.3	50.3	52.1	53.7	55.3
38.75°	35.8	37.9	40.2	42.8	45.4	47.5	49.5	51.4	53.1	54.8	56.4
37.5°	36.6	38.7	41.4	44.0	46.5	48.5	50.5	52.4	54.1	55.9	57.1
36.25°	37.5	39.8	42.5	45.2	47.5	49.6	51.6	53.4	55.2	56.7	57.9
35°	38.3	40.9	43.7	46.3	48.4	50.6	52.5	54.3	56.1	57.4	58.6



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	39.1	41.9	44.8	47.2	49.4	51.5	53.4	55.2	56.8	58.0	59.3
32.5°	40.1	43.0	45.8	48.1	50.3	52.3	54.2	56.1	57.4	58.7	60.0
31.25°	41.0	44.0	46.7	48.9	51.2	53.1	55.1	56.8	58.0	59.3	60.8
30°	41.9	44.9	47.4	49.7	51.9	53.9	55.9	57.3	58.6	60.0	61.6
28.75°	42.8	45.8	48.2	50.5	52.7	54.7	56.5	57.9	59.2	60.7	62.3
27.5°	43.7	46.6	48.9	51.3	53.3	55.4	57.0	58.4	59.8	61.4	63.0
26.25°	44.5	47.2	49.6	51.9	54.0	56.1	57.5	58.9	60.4	62.1	63.7
25°	45.3	47.9	50.3	52.5	54.7	56.6	58.0	59.4	61.0	62.7	64.2
23.75°	46.0	48.5	50.9	53.1	55.3	57.0	58.4	59.9	61.6	63.3	64.7
22.5°	46.6	49.0	51.5	53.7	55.8	57.4	58.9	60.5	62.2	63.8	65.2
21.25°	47.1	49.6	52.0	54.2	56.4	57.8	59.3	61.0	62.7	64.3	65.7
20°	47.6	50.1	52.5	54.7	56.7	58.2	59.7	61.5	63.2	64.7	66.2
18.75°	48.0	50.6	53.0	55.2	57.0	58.5	60.1	61.9	63.7	65.1	66.6
17.5°	48.5	51.1	53.4	55.6	57.4	58.9	60.5	62.4	64.0	65.5	67.0
16.25°	48.9	51.5	53.8	56.1	57.6	59.2	60.9	62.8	64.4	65.9	67.4
15°	49.3	51.9	54.1	56.4	57.9	59.4	61.3	63.1	64.7	66.2	67.7
13.75°	49.6	52.2	54.5	56.6	58.2	59.7	61.6	63.5	65.0	66.5	68.1
12.5°	49.9	52.5	54.8	56.8	58.4	60.0	61.9	63.7	65.3	66.8	68.4
11.25°	50.2	52.7	55.1	57.0	58.6	60.3	62.2	64.0	65.5	67.1	68.6
10°	50.5	53.0	55.3	57.2	58.8	60.5	62.5	64.2	65.7	67.3	68.9
8.75°	50.7	53.2	55.6	57.4	59.0	60.8	62.7	64.4	65.9	67.5	69.1
7.5°	50.9	53.4	55.8	57.5	59.1	60.9	62.9	64.5	66.1	67.7	69.3
6.25°	51.1	53.5	55.9	57.6	59.2	61.1	63.0	64.7	66.3	67.9	69.4
5°	51.3	53.7	56.1	57.7	59.3	61.2	63.2	64.8	66.4	68.0	69.6
3.75°	51.4	53.8	56.2	57.8	59.4	61.3	63.3	64.9	66.5	68.1	69.7
2.5°	51.4	53.8	56.2	57.9	59.5	61.4	63.3	64.9	66.5	68.1	69.7
1.25°	51.5	53.9	56.3	57.9	59.5	61.4	63.4	65.0	66.6	68.2	69.8
0°	51.5	53.9	56.3	57.9	59.5	61.5	63.4	65.0	66.6	68.2	69.8
-1.25°	51.5	53.9	56.3	57.9	59.5	61.4	63.4	65.0	66.6	68.2	69.8
-2.5°	51.4	53.8	56.2	57.9	59.5	61.4	63.3	64.9	66.5	68.1	69.7
-3.75°	51.4	53.8	56.2	57.8	59.4	61.3	63.3	64.9	66.5	68.1	69.7
-5°	51.3	53.7	56.1	57.7	59.3	61.2	63.2	64.8	66.4	68.0	69.6
-6.25°	51.1	53.5	55.9	57.6	59.2	61.1	63.0	64.7	66.3	67.9	69.4
-7.5°	50.9	53.4	55.8	57.5	59.1	60.9	62.9	64.5	66.1	67.7	69.3
-8.75°	50.7	53.2	55.6	57.4	59.0	60.8	62.7	64.4	65.9	67.5	69.1
-10°	50.5	53.0	55.3	57.2	58.8	60.5	62.5	64.2	65.7	67.3	68.9
-11.25°	50.2	52.7	55.1	57.0	58.6	60.3	62.2	64.0	65.5	67.1	68.6
-12.5°	49.9	52.5	54.8	56.8	58.4	60.0	61.9	63.7	65.3	66.8	68.4
-13.75°	49.6	52.2	54.5	56.6	58.2	59.7	61.6	63.5	65.0	66.5	68.1
-15°	49.3	51.9	54.1	56.4	57.9	59.4	61.3	63.1	64.7	66.2	67.7
-16.25°	48.9	51.5	53.8	56.1	57.6	59.2	60.9	62.8	64.4	65.9	67.4
-17.5°	48.5	51.1	53.4	55.6	57.4	58.9	60.5	62.4	64.0	65.5	67.0
-18.75°	48.0	50.6	53.0	55.2	57.0	58.5	60.1	61.9	63.7	65.1	66.6
-20°	47.6	50.1	52.5	54.7	56.7	58.2	59.7	61.5	63.2	64.7	66.2
-21.25°	47.1	49.6	52.0	54.2	56.4	57.8	59.3	61.0	62.7	64.3	65.7



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	46.6	49.0	51.5	53.7	55.8	57.4	58.9	60.5	62.2	63.8	65.2
-23.75°	46.0	48.5	50.9	53.1	55.3	57.0	58.4	59.9	61.6	63.3	64.7
-25°	45.3	47.9	50.3	52.5	54.7	56.6	58.0	59.4	61.0	62.7	64.2
-26.25°	44.5	47.2	49.6	51.9	54.0	56.1	57.5	58.9	60.4	62.1	63.7
-27.5°	43.7	46.6	48.9	51.3	53.3	55.4	57.0	58.4	59.8	61.4	63.0
-28.75°	42.8	45.8	48.2	50.5	52.7	54.7	56.5	57.9	59.2	60.7	62.3
-30°	41.9	44.9	47.4	49.7	51.9	53.9	55.9	57.3	58.6	60.0	61.6
-31.25°	41.0	44.0	46.7	48.9	51.2	53.1	55.1	56.8	58.0	59.3	60.8
-32.5°	40.1	43.0	45.8	48.1	50.3	52.3	54.2	56.1	57.4	58.7	60.0
-33.75°	39.1	41.9	44.8	47.2	49.4	51.5	53.4	55.2	56.8	58.0	59.3
-35°	38.3	40.9	43.7	46.3	48.4	50.6	52.5	54.3	56.1	57.4	58.6
-36.25°	37.5	39.8	42.5	45.2	47.5	49.6	51.6	53.4	55.2	56.7	57.9
-37.5°	36.6	38.7	41.4	44.0	46.5	48.5	50.5	52.4	54.1	55.9	57.1
-38.75°	35.8	37.9	40.2	42.8	45.4	47.5	49.5	51.4	53.1	54.8	56.4
-40°	34.9	36.9	39.0	41.5	44.0	46.4	48.3	50.3	52.1	53.7	55.3
-41.25°	34.0	36.0	38.0	40.2	42.7	45.1	47.2	49.1	50.9	52.6	54.2
-42.5°	33.1	35.0	37.0	38.9	41.3	43.7	46.0	47.9	49.7	51.5	53.0
-43.75°	32.0	34.0	35.9	37.8	39.9	42.2	44.5	46.6	48.4	50.1	51.8
-45°	30.9	33.0	34.9	36.7	38.5	40.7	43.0	45.2	47.1	48.8	50.5
-46.25°	29.8	31.9	33.8	35.6	37.4	39.2	41.4	43.5	45.7	47.4	49.1
-47.5°	28.7	30.7	32.7	34.5	36.2	37.9	39.7	41.9	44.0	46.0	47.6
-48.75°	27.6	29.5	31.4	33.3	35.0	36.6	38.3	40.2	42.2	44.2	46.2
-50°	26.7	28.3	30.1	32.0	33.8	35.4	37.0	38.5	40.4	42.4	44.3
-51.25°	26.1	27.1	28.9	30.6	32.4	34.1	35.6	37.2	38.7	40.5	42.4
-52.5°	25.5	26.4	27.6	29.3	31.0	32.7	34.3	35.8	37.2	38.7	40.4
-53.75°	24.9	25.8	26.6	27.9	29.6	31.2	32.9	34.3	35.8	37.2	38.5
-55°	24.3	25.1	25.9	26.8	28.1	29.7	31.3	32.9	34.3	35.6	37.0
-56.25°	23.6	24.4	25.2	26.0	26.8	28.2	29.7	31.2	32.7	34.1	35.4
-57.5°	23.0	23.8	24.5	25.3	26.1	26.8	28.1	29.6	31.0	32.4	33.8
-58.75°	22.3	23.1	23.8	24.6	25.3	26.0	26.8	27.9	29.3	30.6	32.0
-60°	21.7	22.4	23.1	23.8	24.5	25.2	25.9	26.6	27.6	28.9	30.1
-61.25°	21.0	21.7	22.4	23.1	23.8	24.4	25.1	25.8	26.4	27.1	28.3
-62.5°	20.4	21.0	21.7	22.3	23.0	23.6	24.3	24.9	25.5	26.1	26.7
-63.75°	19.7	20.3	21.0	21.6	22.2	22.8	23.4	24.0	24.6	25.2	25.7
-65°	19.0	19.6	20.2	20.8	21.4	22.0	22.6	23.1	23.7	24.2	24.8
-66.25°	18.3	18.9	19.5	20.0	20.6	21.1	21.7	22.2	22.8	23.3	23.8
-67.5°	17.6	18.2	18.7	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8
-68.75°	16.8	17.5	18.0	18.5	19.0	19.5	20.0	20.4	20.9	21.4	21.8
-70°	16.0	16.6	17.2	17.7	18.2	18.6	19.1	19.5	20.0	20.4	20.9
-71.25°	15.1	15.7	16.2	16.8	17.3	17.8	18.2	18.6	19.0	19.5	19.9
-72.5°	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.7	18.1	18.5	18.9
-73.75°	13.4	13.9	14.3	14.8	15.3	15.8	16.2	16.7	17.1	17.5	17.9
-75°	12.3	12.8	13.4	13.8	14.3	14.7	15.1	15.5	15.9	16.3	16.7
-76.25°	11.2	11.7	12.2	12.7	13.2	13.6	14.0	14.4	14.8	15.1	15.5
-77.5°	10.1	10.6	11.0	11.5	11.9	12.4	12.8	13.2	13.6	13.9	14.3



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	9.0	9.4	9.8	10.3	10.7	11.0	11.4	11.8	12.2	12.6	12.9
-80°	7.9	8.3	8.7	9.0	9.4	9.7	10.1	10.4	10.8	11.1	11.4
-81.25°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
-82.5°	5.8	6.1	6.3	6.6	6.9	7.1	7.4	7.6	7.9	8.1	8.3
-83.75°	4.7	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8
-85°	3.7	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.0	5.2	5.3
-86.25°	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9
-87.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
-88.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	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: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
87.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
86.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
85°	5.5	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9
83.75°	7.0	7.2	7.4	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.8
82.5°	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7
81.25°	10.2	10.4	10.7	11.0	11.2	11.5	11.7	11.9	12.2	12.4	12.6
80°	11.7	12.0	12.3	12.6	12.9	13.2	13.5	13.7	13.9	14.2	14.4
78.75°	13.3	13.6	13.9	14.2	14.4	14.7	15.0	15.2	15.5	15.7	15.9
77.5°	14.6	14.9	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.2	17.5
76.25°	15.9	16.2	16.6	16.9	17.2	17.5	17.8	18.0	18.3	18.5	18.7
75°	17.1	17.5	17.8	18.1	18.4	18.7	19.0	19.2	19.5	19.8	20.0
73.75°	18.2	18.5	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.3
72.5°	19.2	19.6	20.0	20.3	20.7	21.0	21.3	21.6	22.0	22.3	22.6
71.25°	20.3	20.7	21.0	21.4	21.8	22.1	22.5	22.8	23.2	23.5	23.8
70°	21.3	21.7	22.1	22.5	22.9	23.3	23.7	24.0	24.4	24.8	25.1
68.75°	22.3	22.7	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.0	26.4
67.5°	23.3	23.8	24.2	24.7	25.1	25.6	26.0	26.4	26.8	27.4	28.2
66.25°	24.3	24.8	25.3	25.8	26.2	26.7	27.3	28.2	29.0	29.9	30.7
65°	25.3	25.8	26.4	26.9	27.7	28.7	29.6	30.5	31.4	32.3	33.1
63.75°	26.3	26.9	27.8	28.8	29.9	30.9	31.8	32.8	33.7	34.5	35.3
62.5°	27.6	28.7	29.8	30.9	32.0	33.1	34.0	34.9	35.8	36.6	37.5
61.25°	29.5	30.7	31.9	33.0	34.0	35.0	36.0	36.9	37.9	38.7	39.8
60°	31.4	32.7	33.8	34.9	35.9	37.0	38.0	39.0	40.2	41.4	42.5
58.75°	33.3	34.5	35.6	36.7	37.8	38.9	40.2	41.5	42.8	44.0	45.2
57.5°	35.0	36.2	37.4	38.5	39.9	41.3	42.7	44.0	45.4	46.5	47.5
56.25°	36.6	37.9	39.2	40.7	42.2	43.7	45.1	46.4	47.5	48.5	49.6
55°	38.3	39.7	41.4	43.0	44.5	46.0	47.2	48.3	49.5	50.5	51.6
53.75°	40.2	41.9	43.5	45.2	46.6	47.9	49.1	50.3	51.4	52.4	53.4
52.5°	42.2	44.0	45.7	47.1	48.4	49.7	50.9	52.1	53.1	54.1	55.2
51.25°	44.2	46.0	47.4	48.8	50.1	51.5	52.6	53.7	54.8	55.9	56.7
50°	46.2	47.6	49.1	50.5	51.8	53.0	54.2	55.3	56.4	57.1	57.9
48.75°	47.7	49.2	50.7	52.1	53.3	54.5	55.8	56.7	57.5	58.3	59.0
47.5°	49.2	50.7	52.2	53.5	54.8	56.1	57.0	57.8	58.6	59.4	60.3
46.25°	50.7	52.2	53.5	54.9	56.2	57.1	58.0	58.8	59.7	60.7	61.7
45°	52.1	53.5	54.9	56.3	57.2	58.1	59.0	60.0	61.0	62.0	63.0
43.75°	53.3	54.8	56.2	57.2	58.2	59.1	60.1	61.2	62.3	63.3	64.2
42.5°	54.5	56.1	57.1	58.1	59.1	60.2	61.3	62.4	63.5	64.4	65.3
41.25°	55.8	57.0	58.0	59.0	60.1	61.3	62.5	63.6	64.5	65.5	66.4
40°	56.7	57.8	58.8	60.0	61.2	62.4	63.6	64.6	65.6	66.5	67.4
38.75°	57.5	58.6	59.7	61.0	62.3	63.5	64.5	65.6	66.5	67.5	68.5
37.5°	58.3	59.4	60.7	62.0	63.3	64.4	65.5	66.5	67.5	68.5	69.5
36.25°	59.0	60.3	61.7	63.0	64.2	65.3	66.4	67.4	68.5	69.5	71.2
35°	59.8	61.2	62.6	63.9	65.0	66.2	67.3	68.3	69.4	71.1	73.2



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	60.7	62.1	63.5	64.7	65.9	67.0	68.1	69.2	70.9	73.0	75.1
32.5°	61.5	63.0	64.3	65.5	66.6	67.8	69.0	70.4	72.6	74.8	78.7
31.25°	62.3	63.8	65.0	66.2	67.4	68.6	69.8	72.1	74.4	77.6	84.0
30°	63.1	64.4	65.7	66.9	68.2	69.4	71.4	73.7	76.1	82.7	89.3
28.75°	63.8	65.1	66.4	67.6	68.9	70.5	72.9	75.3	80.8	87.6	94.4
27.5°	64.4	65.7	67.0	68.3	69.6	71.9	74.4	78.3	85.4	92.4	102.9
26.25°	65.0	66.3	67.7	69.0	70.8	73.3	75.8	82.7	89.9	99.0	111.2
25°	65.6	66.9	68.3	69.6	72.1	74.7	79.4	86.9	94.2	106.7	119.3
23.75°	66.1	67.5	68.9	70.6	73.3	76.0	83.3	90.9	101.3	114.3	127.1
22.5°	66.6	68.0	69.4	71.8	74.5	79.3	87.1	95.0	108.3	121.5	134.9
21.25°	67.1	68.6	70.1	72.9	75.6	82.7	90.6	101.5	115.0	128.5	142.5
20°	67.6	69.0	71.1	73.9	77.9	86.0	94.0	107.6	121.4	135.5	149.7
18.75°	68.1	69.5	72.1	74.9	80.9	89.1	99.4	113.4	127.5	142.1	156.6
17.5°	68.5	70.1	73.0	75.9	83.8	92.1	104.7	118.9	133.5	148.3	164.1
16.25°	68.9	70.9	73.8	78.0	86.4	95.1	109.7	124.1	139.2	154.2	172.0
15°	69.2	71.7	74.6	80.3	88.9	99.6	114.3	129.1	144.5	159.8	179.4
13.75°	69.6	72.4	75.3	82.5	91.2	103.8	118.6	133.8	149.4	166.4	186.2
12.5°	70.0	73.0	76.0	84.6	93.3	107.6	122.6	138.2	153.9	172.5	192.6
11.25°	70.5	73.6	77.6	86.4	95.8	111.0	126.2	142.2	158.0	178.0	198.3
10°	71.0	74.1	79.2	88.1	98.8	114.2	129.7	145.7	162.4	183.0	203.6
8.75°	71.5	74.6	80.6	89.5	101.5	116.9	132.7	148.9	166.7	187.5	208.2
7.5°	71.9	75.0	81.8	90.8	103.8	119.4	135.3	151.7	170.4	191.3	212.2
6.25°	72.2	75.3	82.9	91.9	105.8	121.4	137.6	154.0	173.6	194.6	215.7
5°	72.5	75.6	83.7	92.8	107.4	123.1	139.4	155.9	176.2	197.4	218.5
3.75°	72.7	75.8	84.4	93.5	108.6	124.4	140.9	157.5	178.2	199.5	220.7
2.5°	72.8	76.0	84.9	94.0	109.5	125.3	141.9	158.5	179.6	201.0	222.3
1.25°	72.9	76.1	85.2	94.3	110.1	125.9	142.5	159.2	180.5	201.9	223.3
0°	73.0	76.1	85.2	94.4	110.3	126.1	142.8	159.4	180.8	202.2	223.6
-1.25°	72.9	76.1	85.2	94.3	110.1	125.9	142.5	159.2	180.5	201.9	223.3
-2.5°	72.8	76.0	84.9	94.0	109.5	125.3	141.9	158.5	179.6	201.0	222.3
-3.75°	72.7	75.8	84.4	93.5	108.6	124.4	140.9	157.5	178.2	199.5	220.7
-5°	72.5	75.6	83.7	92.8	107.4	123.1	139.4	155.9	176.2	197.4	218.5
-6.25°	72.2	75.3	82.9	91.9	105.8	121.4	137.6	154.0	173.6	194.6	215.7
-7.5°	71.9	75.0	81.8	90.8	103.8	119.4	135.3	151.7	170.4	191.3	212.2
-8.75°	71.5	74.6	80.6	89.5	101.5	116.9	132.7	148.9	166.7	187.5	208.2
-10°	71.0	74.1	79.2	88.1	98.8	114.2	129.7	145.7	162.4	183.0	203.6
-11.25°	70.5	73.6	77.6	86.4	95.8	111.0	126.2	142.2	158.0	178.0	198.3
-12.5°	70.0	73.0	76.0	84.6	93.3	107.6	122.6	138.2	153.9	172.5	192.6
-13.75°	69.6	72.4	75.3	82.5	91.2	103.8	118.6	133.8	149.4	166.4	186.2
-15°	69.2	71.7	74.6	80.3	88.9	99.6	114.3	129.1	144.5	159.8	179.4
-16.25°	68.9	70.9	73.8	78.0	86.4	95.1	109.7	124.1	139.2	154.2	172.0
-17.5°	68.5	70.1	73.0	75.9	83.8	92.1	104.7	118.9	133.5	148.3	164.1
-18.75°	68.1	69.5	72.1	74.9	80.9	89.1	99.4	113.4	127.5	142.1	156.6
-20°	67.6	69.0	71.1	73.9	77.9	86.0	94.0	107.6	121.4	135.5	149.7
-21.25°	67.1	68.6	70.1	72.9	75.6	82.7	90.6	101.5	115.0	128.5	142.5



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	66.6	68.0	69.4	71.8	74.5	79.3	87.1	95.0	108.3	121.5	134.9
-23.75°	66.1	67.5	68.9	70.6	73.3	76.0	83.3	90.9	101.3	114.3	127.1
-25°	65.6	66.9	68.3	69.6	72.1	74.7	79.4	86.9	94.2	106.7	119.3
-26.25°	65.0	66.3	67.7	69.0	70.8	73.3	75.8	82.7	89.9	99.0	111.2
-27.5°	64.4	65.7	67.0	68.3	69.6	71.9	74.4	78.3	85.4	92.4	102.9
-28.75°	63.8	65.1	66.4	67.6	68.9	70.5	72.9	75.3	80.8	87.6	94.4
-30°	63.1	64.4	65.7	66.9	68.2	69.4	71.4	73.7	76.1	82.7	89.3
-31.25°	62.3	63.8	65.0	66.2	67.4	68.6	69.8	72.1	74.4	77.6	84.0
-32.5°	61.5	63.0	64.3	65.5	66.6	67.8	69.0	70.4	72.6	74.8	78.7
-33.75°	60.7	62.1	63.5	64.7	65.9	67.0	68.1	69.2	70.9	73.0	75.1
-35°	59.8	61.2	62.6	63.9	65.0	66.2	67.3	68.3	69.4	71.1	73.2
-36.25°	59.0	60.3	61.7	63.0	64.2	65.3	66.4	67.4	68.5	69.5	71.2
-37.5°	58.3	59.4	60.7	62.0	63.3	64.4	65.5	66.5	67.5	68.5	69.5
-38.75°	57.5	58.6	59.7	61.0	62.3	63.5	64.5	65.6	66.5	67.5	68.5
-40°	56.7	57.8	58.8	60.0	61.2	62.4	63.6	64.6	65.6	66.5	67.4
-41.25°	55.8	57.0	58.0	59.0	60.1	61.3	62.5	63.6	64.5	65.5	66.4
-42.5°	54.5	56.1	57.1	58.1	59.1	60.2	61.3	62.4	63.5	64.4	65.3
-43.75°	53.3	54.8	56.2	57.2	58.2	59.1	60.1	61.2	62.3	63.3	64.2
-45°	52.1	53.5	54.9	56.3	57.2	58.1	59.0	60.0	61.0	62.0	63.0
-46.25°	50.7	52.2	53.5	54.9	56.2	57.1	58.0	58.8	59.7	60.7	61.7
-47.5°	49.2	50.7	52.2	53.5	54.8	56.1	57.0	57.8	58.6	59.4	60.3
-48.75°	47.7	49.2	50.7	52.1	53.3	54.5	55.8	56.7	57.5	58.3	59.0
-50°	46.2	47.6	49.1	50.5	51.8	53.0	54.2	55.3	56.4	57.1	57.9
-51.25°	44.2	46.0	47.4	48.8	50.1	51.5	52.6	53.7	54.8	55.9	56.7
-52.5°	42.2	44.0	45.7	47.1	48.4	49.7	50.9	52.1	53.1	54.1	55.2
-53.75°	40.2	41.9	43.5	45.2	46.6	47.9	49.1	50.3	51.4	52.4	53.4
-55°	38.3	39.7	41.4	43.0	44.5	46.0	47.2	48.3	49.5	50.5	51.6
-56.25°	36.6	37.9	39.2	40.7	42.2	43.7	45.1	46.4	47.5	48.5	49.6
-57.5°	35.0	36.2	37.4	38.5	39.9	41.3	42.7	44.0	45.4	46.5	47.5
-58.75°	33.3	34.5	35.6	36.7	37.8	38.9	40.2	41.5	42.8	44.0	45.2
-60°	31.4	32.7	33.8	34.9	35.9	37.0	38.0	39.0	40.2	41.4	42.5
-61.25°	29.5	30.7	31.9	33.0	34.0	35.0	36.0	36.9	37.9	38.7	39.8
-62.5°	27.6	28.7	29.8	30.9	32.0	33.1	34.0	34.9	35.8	36.6	37.5
-63.75°	26.3	26.9	27.8	28.8	29.9	30.9	31.8	32.8	33.7	34.5	35.3
-65°	25.3	25.8	26.4	26.9	27.7	28.7	29.6	30.5	31.4	32.3	33.1
-66.25°	24.3	24.8	25.3	25.8	26.2	26.7	27.3	28.2	29.0	29.9	30.7
-67.5°	23.3	23.8	24.2	24.7	25.1	25.6	26.0	26.4	26.8	27.4	28.2
-68.75°	22.3	22.7	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.0	26.4
-70°	21.3	21.7	22.1	22.5	22.9	23.3	23.7	24.0	24.4	24.8	25.1
-71.25°	20.3	20.7	21.0	21.4	21.8	22.1	22.5	22.8	23.2	23.5	23.8
-72.5°	19.2	19.6	20.0	20.3	20.7	21.0	21.3	21.6	22.0	22.3	22.6
-73.75°	18.2	18.5	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.3
-75°	17.1	17.5	17.8	18.1	18.4	18.7	19.0	19.2	19.5	19.8	20.0
-76.25°	15.9	16.2	16.6	16.9	17.2	17.5	17.8	18.0	18.3	18.5	18.7
-77.5°	14.6	14.9	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.2	17.5



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	13.3	13.6	13.9	14.2	14.4	14.7	15.0	15.2	15.5	15.7	15.9
-80°	11.7	12.0	12.3	12.6	12.9	13.2	13.5	13.7	13.9	14.2	14.4
-81.25°	10.2	10.4	10.7	11.0	11.2	11.5	11.7	11.9	12.2	12.4	12.6
-82.5°	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7
-83.75°	7.0	7.2	7.4	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.8
-85°	5.5	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9
-86.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
-87.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
-88.75°	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	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: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
86.25°	5.1	5.2	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.8
85°	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
83.75°	8.9	9.1	9.2	9.4	9.5	9.6	9.7	9.9	10.0	10.1	10.2
82.5°	10.9	11.1	11.2	11.4	11.6	11.7	11.9	12.0	12.1	12.3	12.4
81.25°	12.8	13.1	13.3	13.4	13.6	13.8	13.9	14.0	14.2	14.3	14.4
80°	14.6	14.8	14.9	15.1	15.3	15.5	15.6	15.8	15.9	16.1	16.2
78.75°	16.1	16.4	16.6	16.8	17.0	17.2	17.3	17.5	17.6	17.8	17.9
77.5°	17.7	17.9	18.1	18.2	18.4	18.6	18.8	18.9	19.1	19.2	19.4
76.25°	19.0	19.2	19.4	19.6	19.8	20.0	20.2	20.4	20.5	20.7	20.8
75°	20.3	20.5	20.7	21.0	21.2	21.4	21.6	21.8	22.0	22.1	22.3
73.75°	21.6	21.8	22.1	22.3	22.6	22.8	23.0	23.2	23.4	23.6	23.8
72.5°	22.9	23.1	23.4	23.7	23.9	24.2	24.4	24.6	24.8	25.0	25.2
71.25°	24.1	24.4	24.7	25.0	25.3	25.6	25.8	26.0	26.3	26.5	26.7
70°	25.4	25.7	26.1	26.4	26.7	26.9	27.4	27.9	28.4	28.9	29.3
68.75°	26.7	27.1	27.8	28.4	29.0	29.6	30.2	30.7	31.2	31.7	32.2
67.5°	28.9	29.7	30.4	31.0	31.7	32.3	32.9	33.5	34.0	34.4	34.9
66.25°	31.4	32.2	32.9	33.6	34.2	34.8	35.4	35.9	36.5	37.0	37.4
65°	33.9	34.6	35.3	35.9	36.6	37.2	37.8	38.4	39.0	39.6	40.3
63.75°	36.1	36.8	37.6	38.3	39.0	39.8	40.6	41.4	42.1	42.8	43.5
62.5°	38.3	39.1	40.1	41.0	41.9	42.8	43.7	44.5	45.3	46.0	46.6
61.25°	40.9	41.9	43.0	44.0	44.9	45.8	46.6	47.2	47.9	48.5	49.0
60°	43.7	44.8	45.8	46.7	47.4	48.2	48.9	49.6	50.3	50.9	51.5
58.75°	46.3	47.2	48.1	48.9	49.7	50.5	51.3	51.9	52.5	53.1	53.7
57.5°	48.4	49.4	50.3	51.2	51.9	52.7	53.3	54.0	54.7	55.3	55.8
56.25°	50.6	51.5	52.3	53.1	53.9	54.7	55.4	56.1	56.6	57.0	57.4
55°	52.5	53.4	54.2	55.1	55.9	56.5	57.0	57.5	58.0	58.4	58.9
53.75°	54.3	55.2	56.1	56.8	57.3	57.9	58.4	58.9	59.4	59.9	60.5
52.5°	56.1	56.8	57.4	58.0	58.6	59.2	59.8	60.4	61.0	61.6	62.2
51.25°	57.4	58.0	58.7	59.3	60.0	60.7	61.4	62.1	62.7	63.3	63.8
50°	58.6	59.3	60.0	60.8	61.6	62.3	63.0	63.7	64.2	64.7	65.2
48.75°	59.8	60.7	61.5	62.3	63.1	63.8	64.4	65.0	65.6	66.1	66.6
47.5°	61.2	62.1	63.0	63.8	64.4	65.1	65.7	66.3	66.9	67.5	68.0
46.25°	62.6	63.5	64.3	65.0	65.7	66.4	67.0	67.7	68.3	68.9	69.4
45°	63.9	64.7	65.5	66.2	66.9	67.6	68.3	69.0	69.6	70.6	71.8
43.75°	65.0	65.9	66.6	67.4	68.2	68.9	69.6	70.8	72.1	73.3	74.5
42.5°	66.2	67.0	67.8	68.6	69.4	70.5	71.9	73.3	74.7	76.0	79.3
41.25°	67.3	68.1	69.0	69.8	71.4	72.9	74.4	75.8	79.4	83.3	87.1
40°	68.3	69.2	70.4	72.1	73.7	75.3	78.3	82.7	86.9	90.9	95.0
38.75°	69.4	70.9	72.6	74.4	76.1	80.8	85.4	89.9	94.2	101.3	108.3
37.5°	71.1	73.0	74.8	77.6	82.7	87.6	92.4	99.0	106.7	114.3	121.5
36.25°	73.2	75.1	78.7	84.0	89.3	94.4	102.9	111.2	119.3	127.1	134.9
35°	75.2	79.2	84.9	90.4	96.8	105.9	114.7	123.3	131.9	140.4	148.5



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	79.2	85.2	90.9	98.2	107.8	117.2	126.4	135.7	144.8	153.5	162.7
32.5°	84.9	90.9	98.7	108.8	118.7	128.5	138.4	148.1	157.4	168.5	179.7
31.25°	90.4	98.2	108.8	119.2	129.6	140.1	150.3	160.5	172.9	184.9	196.6
30°	96.8	107.8	118.7	129.6	140.6	151.4	162.7	175.8	188.7	201.1	213.2
28.75°	105.9	117.2	128.5	140.1	151.4	163.4	177.3	190.9	204.2	217.0	229.5
27.5°	114.7	126.4	138.4	150.3	162.7	177.3	191.7	205.7	219.4	232.7	245.8
26.25°	123.3	135.7	148.1	160.5	175.8	190.9	205.7	220.2	234.3	249.1	267.1
25°	131.9	144.8	157.4	172.9	188.7	204.2	219.4	234.3	250.2	269.4	288.0
23.75°	140.4	153.5	168.5	184.9	201.1	217.0	232.7	249.1	269.4	289.2	309.3
22.5°	148.5	162.7	179.7	196.6	213.2	229.5	245.8	267.1	288.0	309.3	332.2
21.25°	156.3	173.1	190.5	207.7	224.8	241.5	262.6	284.6	306.6	330.8	354.5
20°	165.1	183.1	200.9	218.5	235.9	255.9	278.9	301.4	326.7	351.6	377.1
18.75°	174.2	192.6	210.8	228.8	247.1	270.9	294.4	319.8	346.0	372.0	401.7
17.5°	182.9	201.6	220.1	238.5	260.8	285.2	310.2	337.5	364.4	394.3	438.7
16.25°	191.1	210.1	229.0	248.7	273.8	298.7	326.4	354.4	384.0	424.6	492.0
15°	198.8	218.1	237.3	260.5	286.1	312.8	341.7	370.5	405.1	461.9	555.0
13.75°	206.0	225.6	245.2	271.4	297.5	326.5	356.1	387.9	434.0	514.5	627.4
12.5°	212.6	232.5	254.9	281.6	308.9	339.2	369.4	406.2	469.3	572.5	701.0
11.25°	218.6	238.8	263.8	290.9	320.1	350.9	383.6	429.9	512.5	632.1	771.6
10°	224.0	244.5	271.8	299.3	330.2	361.5	396.4	452.7	557.0	691.4	839.9
8.75°	228.9	251.1	279.0	307.4	339.2	371.3	412.5	486.3	603.5	746.4	901.6
7.5°	233.1	257.1	285.3	314.9	347.2	380.9	428.6	515.8	644.3	796.2	953.8
6.25°	236.7	262.2	290.6	321.4	353.9	389.1	442.4	542.8	683.3	840.4	998.3
5°	239.7	266.4	295.0	326.7	359.5	395.9	456.8	570.3	715.9	877.0	1035.2
3.75°	242.0	269.7	298.5	330.8	363.9	401.7	472.3	591.8	741.5	905.8	1062.0
2.5°	243.7	272.1	300.9	333.8	367.0	407.8	483.4	607.2	759.9	925.7	1081.2
1.25°	244.7	273.5	302.4	335.6	368.9	411.5	490.2	616.5	771.0	937.6	1092.7
0°	245.0	274.0	302.9	336.2	369.5	412.7	492.4	619.7	774.7	941.6	1096.6
-1.25°	244.7	273.5	302.4	335.6	368.9	411.5	490.2	616.5	771.0	937.6	1092.7
-2.5°	243.7	272.1	300.9	333.8	367.0	407.8	483.4	607.2	759.9	925.7	1081.2
-3.75°	242.0	269.7	298.5	330.8	363.9	401.7	472.3	591.8	741.5	905.8	1062.0
-5°	239.7	266.4	295.0	326.7	359.5	395.9	456.8	570.3	715.9	877.0	1035.2
-6.25°	236.7	262.2	290.6	321.4	353.9	389.1	442.4	542.8	683.3	840.4	998.3
-7.5°	233.1	257.1	285.3	314.9	347.2	380.9	428.6	515.8	644.3	796.2	953.8
-8.75°	228.9	251.1	279.0	307.4	339.2	371.3	412.5	486.3	603.5	746.4	901.6
-10°	224.0	244.5	271.8	299.3	330.2	361.5	396.4	452.7	557.0	691.4	839.9
-11.25°	218.6	238.8	263.8	290.9	320.1	350.9	383.6	429.9	512.5	632.1	771.6
-12.5°	212.6	232.5	254.9	281.6	308.9	339.2	369.4	406.2	469.3	572.5	701.0
-13.75°	206.0	225.6	245.2	271.4	297.5	326.5	356.1	387.9	434.0	514.5	627.4
-15°	198.8	218.1	237.3	260.5	286.1	312.8	341.7	370.5	405.1	461.9	555.0
-16.25°	191.1	210.1	229.0	248.7	273.8	298.7	326.4	354.4	384.0	424.6	492.0
-17.5°	182.9	201.6	220.1	238.5	260.8	285.2	310.2	337.5	364.4	394.3	438.7
-18.75°	174.2	192.6	210.8	228.8	247.1	270.9	294.4	319.8	346.0	372.0	401.7
-20°	165.1	183.1	200.9	218.5	235.9	255.9	278.9	301.4	326.7	351.6	377.1
-21.25°	156.3	173.1	190.5	207.7	224.8	241.5	262.6	284.6	306.6	330.8	354.5



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	148.5	162.7	179.7	196.6	213.2	229.5	245.8	267.1	288.0	309.3	332.2
-23.75°	140.4	153.5	168.5	184.9	201.1	217.0	232.7	249.1	269.4	289.2	309.3
-25°	131.9	144.8	157.4	172.9	188.7	204.2	219.4	234.3	250.2	269.4	288.0
-26.25°	123.3	135.7	148.1	160.5	175.8	190.9	205.7	220.2	234.3	249.1	267.1
-27.5°	114.7	126.4	138.4	150.3	162.7	177.3	191.7	205.7	219.4	232.7	245.8
-28.75°	105.9	117.2	128.5	140.1	151.4	163.4	177.3	190.9	204.2	217.0	229.5
-30°	96.8	107.8	118.7	129.6	140.6	151.4	162.7	175.8	188.7	201.1	213.2
-31.25°	90.4	98.2	108.8	119.2	129.6	140.1	150.3	160.5	172.9	184.9	196.6
-32.5°	84.9	90.9	98.7	108.8	118.7	128.5	138.4	148.1	157.4	168.5	179.7
-33.75°	79.2	85.2	90.9	98.2	107.8	117.2	126.4	135.7	144.8	153.5	162.7
-35°	75.2	79.2	84.9	90.4	96.8	105.9	114.7	123.3	131.9	140.4	148.5
-36.25°	73.2	75.1	78.7	84.0	89.3	94.4	102.9	111.2	119.3	127.1	134.9
-37.5°	71.1	73.0	74.8	77.6	82.7	87.6	92.4	99.0	106.7	114.3	121.5
-38.75°	69.4	70.9	72.6	74.4	76.1	80.8	85.4	89.9	94.2	101.3	108.3
-40°	68.3	69.2	70.4	72.1	73.7	75.3	78.3	82.7	86.9	90.9	95.0
-41.25°	67.3	68.1	69.0	69.8	71.4	72.9	74.4	75.8	79.4	83.3	87.1
-42.5°	66.2	67.0	67.8	68.6	69.4	70.5	71.9	73.3	74.7	76.0	79.3
-43.75°	65.0	65.9	66.6	67.4	68.2	68.9	69.6	70.8	72.1	73.3	74.5
-45°	63.9	64.7	65.5	66.2	66.9	67.6	68.3	69.0	69.6	70.6	71.8
-46.25°	62.6	63.5	64.3	65.0	65.7	66.4	67.0	67.7	68.3	68.9	69.4
-47.5°	61.2	62.1	63.0	63.8	64.4	65.1	65.7	66.3	66.9	67.5	68.0
-48.75°	59.8	60.7	61.5	62.3	63.1	63.8	64.4	65.0	65.6	66.1	66.6
-50°	58.6	59.3	60.0	60.8	61.6	62.3	63.0	63.7	64.2	64.7	65.2
-51.25°	57.4	58.0	58.7	59.3	60.0	60.7	61.4	62.1	62.7	63.3	63.8
-52.5°	56.1	56.8	57.4	58.0	58.6	59.2	59.8	60.4	61.0	61.6	62.2
-53.75°	54.3	55.2	56.1	56.8	57.3	57.9	58.4	58.9	59.4	59.9	60.5
-55°	52.5	53.4	54.2	55.1	55.9	56.5	57.0	57.5	58.0	58.4	58.9
-56.25°	50.6	51.5	52.3	53.1	53.9	54.7	55.4	56.1	56.6	57.0	57.4
-57.5°	48.4	49.4	50.3	51.2	51.9	52.7	53.3	54.0	54.7	55.3	55.8
-58.75°	46.3	47.2	48.1	48.9	49.7	50.5	51.3	51.9	52.5	53.1	53.7
-60°	43.7	44.8	45.8	46.7	47.4	48.2	48.9	49.6	50.3	50.9	51.5
-61.25°	40.9	41.9	43.0	44.0	44.9	45.8	46.6	47.2	47.9	48.5	49.0
-62.5°	38.3	39.1	40.1	41.0	41.9	42.8	43.7	44.5	45.3	46.0	46.6
-63.75°	36.1	36.8	37.6	38.3	39.0	39.8	40.6	41.4	42.1	42.8	43.5
-65°	33.9	34.6	35.3	35.9	36.6	37.2	37.8	38.4	39.0	39.6	40.3
-66.25°	31.4	32.2	32.9	33.6	34.2	34.8	35.4	35.9	36.5	37.0	37.4
-67.5°	28.9	29.7	30.4	31.0	31.7	32.3	32.9	33.5	34.0	34.4	34.9
-68.75°	26.7	27.1	27.8	28.4	29.0	29.6	30.2	30.7	31.2	31.7	32.2
-70°	25.4	25.7	26.1	26.4	26.7	26.9	27.4	27.9	28.4	28.9	29.3
-71.25°	24.1	24.4	24.7	25.0	25.3	25.6	25.8	26.0	26.3	26.5	26.7
-72.5°	22.9	23.1	23.4	23.7	23.9	24.2	24.4	24.6	24.8	25.0	25.2
-73.75°	21.6	21.8	22.1	22.3	22.6	22.8	23.0	23.2	23.4	23.6	23.8
-75°	20.3	20.5	20.7	21.0	21.2	21.4	21.6	21.8	22.0	22.1	22.3
-76.25°	19.0	19.2	19.4	19.6	19.8	20.0	20.2	20.4	20.5	20.7	20.8
-77.5°	17.7	17.9	18.1	18.2	18.4	18.6	18.8	18.9	19.1	19.2	19.4



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	16.1	16.4	16.6	16.8	17.0	17.2	17.3	17.5	17.6	17.8	17.9
-80°	14.6	14.8	14.9	15.1	15.3	15.5	15.6	15.8	15.9	16.1	16.2
-81.25°	12.8	13.1	13.3	13.4	13.6	13.8	13.9	14.0	14.2	14.3	14.4
-82.5°	10.9	11.1	11.2	11.4	11.6	11.7	11.9	12.0	12.1	12.3	12.4
-83.75°	8.9	9.1	9.2	9.4	9.5	9.6	9.7	9.9	10.0	10.1	10.2
-85°	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
-86.25°	5.1	5.2	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.8
-87.5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
-88.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
-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: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
87.5°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
86.25°	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3
85°	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6
83.75°	10.3	10.4	10.5	10.5	10.6	10.7	10.8	10.8	10.9	10.9	11.0
82.5°	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.2	13.3	13.3
81.25°	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.1	15.2	15.2	15.3
80°	16.3	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.1	17.2	17.2
78.75°	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.7	18.8	18.8
77.5°	19.5	19.6	19.7	19.8	20.0	20.0	20.1	20.2	20.3	20.4	20.4
76.25°	21.0	21.1	21.2	21.4	21.5	21.6	21.7	21.8	21.9	21.9	22.0
75°	22.5	22.6	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6
73.75°	24.0	24.1	24.3	24.4	24.5	24.7	24.8	24.9	25.0	25.1	25.2
72.5°	25.4	25.6	25.8	25.9	26.1	26.2	26.3	26.5	26.6	26.6	26.7
71.25°	26.9	27.2	27.6	27.9	28.2	28.5	28.7	29.0	29.2	29.4	29.6
70°	29.7	30.1	30.5	30.9	31.2	31.5	31.8	32.1	32.3	32.5	32.7
68.75°	32.7	33.1	33.5	33.8	34.1	34.4	34.7	34.9	35.1	35.3	35.5
67.5°	35.3	35.7	36.1	36.4	36.8	37.1	37.4	37.6	37.9	38.1	38.3
66.25°	37.9	38.3	38.7	39.2	39.6	40.0	40.4	40.8	41.1	41.4	41.6
65°	40.9	41.5	42.0	42.5	43.0	43.4	43.8	44.2	44.5	44.8	45.1
63.75°	44.1	44.7	45.3	45.9	46.3	46.6	47.0	47.3	47.6	47.8	48.0
62.5°	47.1	47.6	48.0	48.5	48.9	49.3	49.6	49.9	50.2	50.5	50.7
61.25°	49.6	50.1	50.6	51.1	51.5	51.9	52.2	52.5	52.7	53.0	53.2
60°	52.0	52.5	53.0	53.4	53.8	54.1	54.5	54.8	55.1	55.3	55.6
58.75°	54.2	54.7	55.2	55.6	56.1	56.4	56.6	56.8	57.0	57.2	57.4
57.5°	56.4	56.7	57.0	57.4	57.6	57.9	58.2	58.4	58.6	58.8	59.0
56.25°	57.8	58.2	58.5	58.9	59.2	59.4	59.7	60.0	60.3	60.5	60.8
55°	59.3	59.7	60.1	60.5	60.9	61.3	61.6	61.9	62.2	62.5	62.7
53.75°	61.0	61.5	61.9	62.4	62.8	63.1	63.5	63.7	64.0	64.2	64.4
52.5°	62.7	63.2	63.7	64.0	64.4	64.7	65.0	65.3	65.5	65.7	65.9
51.25°	64.3	64.7	65.1	65.5	65.9	66.2	66.5	66.8	67.1	67.3	67.5
50°	65.7	66.2	66.6	67.0	67.4	67.7	68.1	68.4	68.6	68.9	69.1
48.75°	67.1	67.6	68.1	68.5	68.9	69.2	69.6	70.0	70.5	71.0	71.5
47.5°	68.6	69.0	69.5	70.1	70.9	71.7	72.4	73.0	73.6	74.1	74.6
46.25°	70.1	71.1	72.1	73.0	73.8	74.6	75.3	76.0	77.6	79.2	80.6
45°	72.9	73.9	74.9	75.9	78.0	80.3	82.5	84.6	86.4	88.1	89.5
43.75°	75.6	77.9	80.9	83.8	86.4	88.9	91.2	93.3	95.8	98.8	101.5
42.5°	82.7	86.0	89.1	92.1	95.1	99.6	103.8	107.6	111.0	114.2	116.9
41.25°	90.6	94.0	99.4	104.7	109.7	114.3	118.6	122.6	126.2	129.7	132.7
40°	101.5	107.6	113.4	118.9	124.1	129.1	133.8	138.2	142.2	145.7	148.9
38.75°	115.0	121.4	127.5	133.5	139.2	144.5	149.4	153.9	158.0	162.4	166.7
37.5°	128.5	135.5	142.1	148.3	154.2	159.8	166.4	172.5	178.0	183.0	187.5
36.25°	142.5	149.7	156.6	164.1	172.0	179.4	186.2	192.6	198.3	203.6	208.2
35°	156.3	165.1	174.2	182.9	191.1	198.8	206.0	212.6	218.6	224.0	228.9



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	173.1	183.1	192.6	201.6	210.1	218.1	225.6	232.5	238.8	244.5	251.1
32.5°	190.5	200.9	210.8	220.1	229.0	237.3	245.2	254.9	263.8	271.8	279.0
31.25°	207.7	218.5	228.8	238.5	248.7	260.5	271.4	281.6	290.9	299.3	307.4
30°	224.8	235.9	247.1	260.8	273.8	286.1	297.5	308.9	320.1	330.2	339.2
28.75°	241.5	255.9	270.9	285.2	298.7	312.8	326.5	339.2	350.9	361.5	371.3
27.5°	262.6	278.9	294.4	310.2	326.4	341.7	356.1	369.4	383.6	396.4	412.5
26.25°	284.6	301.4	319.8	337.5	354.4	370.5	387.9	406.2	429.9	452.7	486.3
25°	306.6	326.7	346.0	364.4	384.0	405.1	434.0	469.3	512.5	557.0	603.5
23.75°	330.8	351.6	372.0	394.3	424.6	461.9	514.5	572.5	632.1	691.4	746.4
22.5°	354.5	377.1	401.7	438.7	492.0	555.0	627.4	701.0	771.6	839.9	901.6
21.25°	378.8	407.3	447.2	512.2	589.2	672.0	757.4	841.2	919.5	988.3	1049.2
20°	407.3	450.4	522.4	609.9	703.9	799.7	894.7	980.3	1057.5	1123.7	1177.3
18.75°	447.2	522.4	616.8	720.0	826.1	929.8	1024.5	1107.2	1177.0	1231.4	1268.1
17.5°	512.2	609.9	720.0	834.9	947.2	1050.2	1141.0	1210.7	1263.3	1299.8	1329.1
16.25°	589.2	703.9	826.1	947.2	1058.5	1157.4	1231.3	1281.2	1320.4	1353.8	1385.7
15°	672.0	799.7	929.8	1050.2	1157.4	1238.1	1290.3	1332.6	1371.4	1408.5	1442.4
13.75°	757.4	894.7	1024.5	1141.0	1231.3	1290.3	1336.7	1380.4	1422.5	1461.8	1498.1
12.5°	841.2	980.3	1107.2	1210.7	1281.2	1332.6	1380.4	1427.2	1471.6	1513.4	1550.3
11.25°	919.5	1057.5	1177.0	1263.3	1320.4	1371.4	1422.5	1471.6	1518.4	1560.7	1606.5
10°	988.3	1123.7	1231.4	1299.8	1353.8	1408.5	1461.8	1513.4	1560.7	1613.0	1664.4
8.75°	1049.2	1177.3	1268.1	1329.1	1385.7	1442.4	1498.1	1550.3	1606.5	1664.4	1720.4
7.5°	1099.3	1218.5	1296.0	1354.7	1414.2	1472.9	1529.9	1587.5	1650.0	1712.5	1770.2
6.25°	1142.5	1251.3	1317.9	1377.9	1439.0	1499.6	1557.3	1622.0	1689.5	1754.8	1812.6
5°	1173.2	1270.1	1335.2	1397.3	1459.8	1521.6	1583.5	1652.8	1723.6	1789.5	1847.1
3.75°	1195.1	1284.9	1348.9	1412.6	1476.4	1538.7	1605.0	1677.6	1750.5	1815.9	1872.2
2.5°	1210.9	1295.7	1359.0	1423.7	1488.5	1551.1	1620.9	1696.0	1769.4	1834.9	1890.7
1.25°	1220.4	1302.1	1365.3	1430.5	1495.8	1558.7	1631.0	1707.3	1780.9	1846.6	1901.3
0°	1223.6	1304.3	1367.4	1432.8	1498.2	1561.2	1634.4	1711.1	1784.8	1850.6	1904.7
-1.25°	1220.4	1302.1	1365.3	1430.5	1495.8	1558.7	1631.0	1707.3	1780.9	1846.6	1901.3
-2.5°	1210.9	1295.7	1359.0	1423.7	1488.5	1551.1	1620.9	1696.0	1769.4	1834.9	1890.7
-3.75°	1195.1	1284.9	1348.9	1412.6	1476.4	1538.7	1605.0	1677.6	1750.5	1815.9	1872.2
-5°	1173.2	1270.1	1335.2	1397.3	1459.8	1521.6	1583.5	1652.8	1723.6	1789.5	1847.1
-6.25°	1142.5	1251.3	1317.9	1377.9	1439.0	1499.6	1557.3	1622.0	1689.5	1754.8	1812.6
-7.5°	1099.3	1218.5	1296.0	1354.7	1414.2	1472.9	1529.9	1587.5	1650.0	1712.5	1770.2
-8.75°	1049.2	1177.3	1268.1	1329.1	1385.7	1442.4	1498.1	1550.3	1606.5	1664.4	1720.4
-10°	988.3	1123.7	1231.4	1299.8	1353.8	1408.5	1461.8	1513.4	1560.7	1613.0	1664.4
-11.25°	919.5	1057.5	1177.0	1263.3	1320.4	1371.4	1422.5	1471.6	1518.4	1560.7	1606.5
-12.5°	841.2	980.3	1107.2	1210.7	1281.2	1332.6	1380.4	1427.2	1471.6	1513.4	1550.3
-13.75°	757.4	894.7	1024.5	1141.0	1231.3	1290.3	1336.7	1380.4	1422.5	1461.8	1498.1
-15°	672.0	799.7	929.8	1050.2	1157.4	1238.1	1290.3	1332.6	1371.4	1408.5	1442.4
-16.25°	589.2	703.9	826.1	947.2	1058.5	1157.4	1231.3	1281.2	1320.4	1353.8	1385.7
-17.5°	512.2	609.9	720.0	834.9	947.2	1050.2	1141.0	1210.7	1263.3	1299.8	1329.1
-18.75°	447.2	522.4	616.8	720.0	826.1	929.8	1024.5	1107.2	1177.0	1231.4	1268.1
-20°	407.3	450.4	522.4	609.9	703.9	799.7	894.7	980.3	1057.5	1123.7	1177.3
-21.25°	378.8	407.3	447.2	512.2	589.2	672.0	757.4	841.2	919.5	988.3	1049.2



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	354.5	377.1	401.7	438.7	492.0	555.0	627.4	701.0	771.6	839.9	901.6
-23.75°	330.8	351.6	372.0	394.3	424.6	461.9	514.5	572.5	632.1	691.4	746.4
-25°	306.6	326.7	346.0	364.4	384.0	405.1	434.0	469.3	512.5	557.0	603.5
-26.25°	284.6	301.4	319.8	337.5	354.4	370.5	387.9	406.2	429.9	452.7	486.3
-27.5°	262.6	278.9	294.4	310.2	326.4	341.7	356.1	369.4	383.6	396.4	412.5
-28.75°	241.5	255.9	270.9	285.2	298.7	312.8	326.5	339.2	350.9	361.5	371.3
-30°	224.8	235.9	247.1	260.8	273.8	286.1	297.5	308.9	320.1	330.2	339.2
-31.25°	207.7	218.5	228.8	238.5	248.7	260.5	271.4	281.6	290.9	299.3	307.4
-32.5°	190.5	200.9	210.8	220.1	229.0	237.3	245.2	254.9	263.8	271.8	279.0
-33.75°	173.1	183.1	192.6	201.6	210.1	218.1	225.6	232.5	238.8	244.5	251.1
-35°	156.3	165.1	174.2	182.9	191.1	198.8	206.0	212.6	218.6	224.0	228.9
-36.25°	142.5	149.7	156.6	164.1	172.0	179.4	186.2	192.6	198.3	203.6	208.2
-37.5°	128.5	135.5	142.1	148.3	154.2	159.8	166.4	172.5	178.0	183.0	187.5
-38.75°	115.0	121.4	127.5	133.5	139.2	144.5	149.4	153.9	158.0	162.4	166.7
-40°	101.5	107.6	113.4	118.9	124.1	129.1	133.8	138.2	142.2	145.7	148.9
-41.25°	90.6	94.0	99.4	104.7	109.7	114.3	118.6	122.6	126.2	129.7	132.7
-42.5°	82.7	86.0	89.1	92.1	95.1	99.6	103.8	107.6	111.0	114.2	116.9
-43.75°	75.6	77.9	80.9	83.8	86.4	88.9	91.2	93.3	95.8	98.8	101.5
-45°	72.9	73.9	74.9	75.9	78.0	80.3	82.5	84.6	86.4	88.1	89.5
-46.25°	70.1	71.1	72.1	73.0	73.8	74.6	75.3	76.0	77.6	79.2	80.6
-47.5°	68.6	69.0	69.5	70.1	70.9	71.7	72.4	73.0	73.6	74.1	74.6
-48.75°	67.1	67.6	68.1	68.5	68.9	69.2	69.6	70.0	70.5	71.0	71.5
-50°	65.7	66.2	66.6	67.0	67.4	67.7	68.1	68.4	68.6	68.9	69.1
-51.25°	64.3	64.7	65.1	65.5	65.9	66.2	66.5	66.8	67.1	67.3	67.5
-52.5°	62.7	63.2	63.7	64.0	64.4	64.7	65.0	65.3	65.5	65.7	65.9
-53.75°	61.0	61.5	61.9	62.4	62.8	63.1	63.5	63.7	64.0	64.2	64.4
-55°	59.3	59.7	60.1	60.5	60.9	61.3	61.6	61.9	62.2	62.5	62.7
-56.25°	57.8	58.2	58.5	58.9	59.2	59.4	59.7	60.0	60.3	60.5	60.8
-57.5°	56.4	56.7	57.0	57.4	57.6	57.9	58.2	58.4	58.6	58.8	59.0
-58.75°	54.2	54.7	55.2	55.6	56.1	56.4	56.6	56.8	57.0	57.2	57.4
-60°	52.0	52.5	53.0	53.4	53.8	54.1	54.5	54.8	55.1	55.3	55.6
-61.25°	49.6	50.1	50.6	51.1	51.5	51.9	52.2	52.5	52.7	53.0	53.2
-62.5°	47.1	47.6	48.0	48.5	48.9	49.3	49.6	49.9	50.2	50.5	50.7
-63.75°	44.1	44.7	45.3	45.9	46.3	46.6	47.0	47.3	47.6	47.8	48.0
-65°	40.9	41.5	42.0	42.5	43.0	43.4	43.8	44.2	44.5	44.8	45.1
-66.25°	37.9	38.3	38.7	39.2	39.6	40.0	40.4	40.8	41.1	41.4	41.6
-67.5°	35.3	35.7	36.1	36.4	36.8	37.1	37.4	37.6	37.9	38.1	38.3
-68.75°	32.7	33.1	33.5	33.8	34.1	34.4	34.7	34.9	35.1	35.3	35.5
-70°	29.7	30.1	30.5	30.9	31.2	31.5	31.8	32.1	32.3	32.5	32.7
-71.25°	26.9	27.2	27.6	27.9	28.2	28.5	28.7	29.0	29.2	29.4	29.6
-72.5°	25.4	25.6	25.8	25.9	26.1	26.2	26.3	26.5	26.6	26.6	26.7
-73.75°	24.0	24.1	24.3	24.4	24.5	24.7	24.8	24.9	25.0	25.1	25.2
-75°	22.5	22.6	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6
-76.25°	21.0	21.1	21.2	21.4	21.5	21.6	21.7	21.8	21.9	21.9	22.0
-77.5°	19.5	19.6	19.7	19.8	20.0	20.0	20.1	20.2	20.3	20.4	20.4



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.7	18.8	18.8
-80°	16.3	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.1	17.2	17.2
-81.25°	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.1	15.2	15.2	15.3
-82.5°	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.2	13.3	13.3
-83.75°	10.3	10.4	10.5	10.5	10.6	10.7	10.8	10.8	10.9	10.9	11.0
-85°	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6
-86.25°	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3
-87.5°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
-88.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
-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: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
86.25°	6.3	6.3	6.3	6.3	6.3	6.3	6.4	6.3	6.3	6.3	6.3
85°	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
83.75°	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
82.5°	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4
81.25°	15.3	15.4	15.4	15.4	15.4	15.4	15.5	15.4	15.4	15.4	15.4
80°	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.3
78.75°	18.9	18.9	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.9
77.5°	20.5	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.5
76.25°	22.0	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.1
75°	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.7
73.75°	25.2	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.3
72.5°	26.8	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.9
71.25°	29.7	29.9	30.0	30.0	30.1	30.1	30.2	30.1	30.1	30.0	30.0
70°	32.9	33.0	33.1	33.2	33.2	33.3	33.3	33.3	33.2	33.2	33.1
68.75°	35.7	35.8	35.9	36.0	36.1	36.1	36.1	36.1	36.1	36.0	35.9
67.5°	38.4	38.6	38.7	38.8	38.8	38.9	38.9	38.9	38.8	38.8	38.7
66.25°	41.8	42.0	42.2	42.3	42.4	42.4	42.5	42.4	42.4	42.3	42.2
65°	45.4	45.5	45.7	45.8	45.9	46.0	46.0	46.0	45.9	45.8	45.7
63.75°	48.2	48.4	48.5	48.6	48.7	48.7	48.8	48.7	48.7	48.6	48.5
62.5°	50.9	51.1	51.3	51.4	51.4	51.5	51.5	51.5	51.4	51.4	51.3
61.25°	53.4	53.5	53.7	53.8	53.8	53.9	53.9	53.9	53.8	53.8	53.7
60°	55.8	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.2	56.2	56.1
58.75°	57.5	57.6	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.8	57.7
57.5°	59.1	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.4	59.3
56.25°	60.9	61.1	61.2	61.3	61.4	61.4	61.5	61.4	61.4	61.3	61.2
55°	62.9	63.0	63.2	63.3	63.3	63.4	63.4	63.4	63.3	63.3	63.2
53.75°	64.5	64.7	64.8	64.9	64.9	65.0	65.0	65.0	64.9	64.9	64.8
52.5°	66.1	66.3	66.4	66.5	66.5	66.6	66.6	66.6	66.5	66.5	66.4
51.25°	67.7	67.9	68.0	68.1	68.1	68.2	68.2	68.2	68.1	68.1	68.0
50°	69.3	69.4	69.6	69.7	69.7	69.8	69.8	69.8	69.7	69.7	69.6
48.75°	71.9	72.2	72.5	72.7	72.8	72.9	73.0	72.9	72.8	72.7	72.5
47.5°	75.0	75.3	75.6	75.8	76.0	76.1	76.1	76.1	76.0	75.8	75.6
46.25°	81.8	82.9	83.7	84.4	84.9	85.2	85.2	85.2	84.9	84.4	83.7
45°	90.8	91.9	92.8	93.5	94.0	94.3	94.4	94.3	94.0	93.5	92.8
43.75°	103.8	105.8	107.4	108.6	109.5	110.1	110.3	110.1	109.5	108.6	107.4
42.5°	119.4	121.4	123.1	124.4	125.3	125.9	126.1	125.9	125.3	124.4	123.1
41.25°	135.3	137.6	139.4	140.9	141.9	142.5	142.8	142.5	141.9	140.9	139.4
40°	151.7	154.0	155.9	157.5	158.5	159.2	159.4	159.2	158.5	157.5	155.9
38.75°	170.4	173.6	176.2	178.2	179.6	180.5	180.8	180.5	179.6	178.2	176.2
37.5°	191.3	194.6	197.4	199.5	201.0	201.9	202.2	201.9	201.0	199.5	197.4
36.25°	212.2	215.7	218.5	220.7	222.3	223.3	223.6	223.3	222.3	220.7	218.5
35°	233.1	236.7	239.7	242.0	243.7	244.7	245.0	244.7	243.7	242.0	239.7



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	257.1	262.2	266.4	269.7	272.1	273.5	274.0	273.5	272.1	269.7	266.4
32.5°	285.3	290.6	295.0	298.5	300.9	302.4	302.9	302.4	300.9	298.5	295.0
31.25°	314.9	321.4	326.7	330.8	333.8	335.6	336.2	335.6	333.8	330.8	326.7
30°	347.2	353.9	359.5	363.9	367.0	368.9	369.5	368.9	367.0	363.9	359.5
28.75°	380.9	389.1	395.9	401.7	407.8	411.5	412.7	411.5	407.8	401.7	395.9
27.5°	428.6	442.4	456.8	472.3	483.4	490.2	492.4	490.2	483.4	472.3	456.8
26.25°	515.8	542.8	570.3	591.8	607.2	616.5	619.7	616.5	607.2	591.8	570.3
25°	644.3	683.3	715.9	741.5	759.9	771.0	774.7	771.0	759.9	741.5	715.9
23.75°	796.2	840.4	877.0	905.8	925.7	937.6	941.6	937.6	925.7	905.8	877.0
22.5°	953.8	998.3	1035.2	1062.0	1081.2	1092.7	1096.6	1092.7	1081.2	1062.0	1035.2
21.25°	1099.3	1142.5	1173.2	1195.1	1210.9	1220.4	1223.6	1220.4	1210.9	1195.1	1173.2
20°	1218.5	1251.3	1270.1	1284.9	1295.7	1302.1	1304.3	1302.1	1295.7	1284.9	1270.1
18.75°	1296.0	1317.9	1335.2	1348.9	1359.0	1365.3	1367.4	1365.3	1359.0	1348.9	1335.2
17.5°	1354.7	1377.9	1397.3	1412.6	1423.7	1430.5	1432.8	1430.5	1423.7	1412.6	1397.3
16.25°	1414.2	1439.0	1459.8	1476.4	1488.5	1495.8	1498.2	1495.8	1488.5	1476.4	1459.8
15°	1472.9	1499.6	1521.6	1538.7	1551.1	1558.7	1561.2	1558.7	1551.1	1538.7	1521.6
13.75°	1529.9	1557.3	1583.5	1605.0	1620.9	1631.0	1634.4	1631.0	1620.9	1605.0	1583.5
12.5°	1587.5	1622.0	1652.8	1677.6	1696.0	1707.3	1711.1	1707.3	1696.0	1677.6	1652.8
11.25°	1650.0	1689.5	1723.6	1750.5	1769.4	1780.9	1784.8	1780.9	1769.4	1750.5	1723.6
10°	1712.5	1754.8	1789.5	1815.9	1834.9	1846.6	1850.6	1846.6	1834.9	1815.9	1789.5
8.75°	1770.2	1812.6	1847.1	1872.2	1890.7	1901.3	1904.7	1901.3	1890.7	1872.2	1847.1
7.5°	1820.1	1861.6	1894.7	1919.1	1936.8	1945.9	1949.0	1945.9	1936.8	1919.1	1894.7
6.25°	1861.6	1901.6	1934.0	1955.4	1969.6	1976.9	1979.5	1976.9	1969.6	1955.4	1934.0
5°	1894.7	1934.0	1962.0	1979.5	1988.9	1993.4	1995.0	1993.4	1988.9	1979.5	1962.0
3.75°	1919.1	1955.4	1979.5	1991.9	1997.3	1999.7	1999.7	1999.7	1997.3	1991.9	1979.5
2.5°	1936.8	1969.6	1988.9	1997.3	1999.7	1999.0	1998.1	1999.0	1999.7	1997.3	1988.9
1.25°	1945.9	1976.9	1993.4	1999.7	1999.0	1996.9	1997.7	1996.9	1999.0	1999.7	1993.4
0°	1949.0	1979.5	1995.0	1999.7	1998.1	1997.7	2003.7	1997.7	1998.1	1999.7	1995.0
-1.25°	1945.9	1976.9	1993.4	1999.7	1999.0	1996.9	1997.7	1996.9	1999.0	1999.7	1993.4
-2.5°	1936.8	1969.6	1988.9	1997.3	1999.7	1999.0	1998.1	1999.0	1999.7	1997.3	1988.9
-3.75°	1919.1	1955.4	1979.5	1991.9	1997.3	1999.7	1999.7	1999.7	1997.3	1991.9	1979.5
-5°	1894.7	1934.0	1962.0	1979.5	1988.9	1993.4	1995.0	1993.4	1988.9	1979.5	1962.0
-6.25°	1861.6	1901.6	1934.0	1955.4	1969.6	1976.9	1979.5	1976.9	1969.6	1955.4	1934.0
-7.5°	1820.1	1861.6	1894.7	1919.1	1936.8	1945.9	1949.0	1945.9	1936.8	1919.1	1894.7
-8.75°	1770.2	1812.6	1847.1	1872.2	1890.7	1901.3	1904.7	1901.3	1890.7	1872.2	1847.1
-10°	1712.5	1754.8	1789.5	1815.9	1834.9	1846.6	1850.6	1846.6	1834.9	1815.9	1789.5
-11.25°	1650.0	1689.5	1723.6	1750.5	1769.4	1780.9	1784.8	1780.9	1769.4	1750.5	1723.6
-12.5°	1587.5	1622.0	1652.8	1677.6	1696.0	1707.3	1711.1	1707.3	1696.0	1677.6	1652.8
-13.75°	1529.9	1557.3	1583.5	1605.0	1620.9	1631.0	1634.4	1631.0	1620.9	1605.0	1583.5
-15°	1472.9	1499.6	1521.6	1538.7	1551.1	1558.7	1561.2	1558.7	1551.1	1538.7	1521.6
-16.25°	1414.2	1439.0	1459.8	1476.4	1488.5	1495.8	1498.2	1495.8	1488.5	1476.4	1459.8
-17.5°	1354.7	1377.9	1397.3	1412.6	1423.7	1430.5	1432.8	1430.5	1423.7	1412.6	1397.3
-18.75°	1296.0	1317.9	1335.2	1348.9	1359.0	1365.3	1367.4	1365.3	1359.0	1348.9	1335.2
-20°	1218.5	1251.3	1270.1	1284.9	1295.7	1302.1	1304.3	1302.1	1295.7	1284.9	1270.1
-21.25°	1099.3	1142.5	1173.2	1195.1	1210.9	1220.4	1223.6	1220.4	1210.9	1195.1	1173.2



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	953.8	998.3	1035.2	1062.0	1081.2	1092.7	1096.6	1092.7	1081.2	1062.0	1035.2
-23.75°	796.2	840.4	877.0	905.8	925.7	937.6	941.6	937.6	925.7	905.8	877.0
-25°	644.3	683.3	715.9	741.5	759.9	771.0	774.7	771.0	759.9	741.5	715.9
-26.25°	515.8	542.8	570.3	591.8	607.2	616.5	619.7	616.5	607.2	591.8	570.3
-27.5°	428.6	442.4	456.8	472.3	483.4	490.2	492.4	490.2	483.4	472.3	456.8
-28.75°	380.9	389.1	395.9	401.7	407.8	411.5	412.7	411.5	407.8	401.7	395.9
-30°	347.2	353.9	359.5	363.9	367.0	368.9	369.5	368.9	367.0	363.9	359.5
-31.25°	314.9	321.4	326.7	330.8	333.8	335.6	336.2	335.6	333.8	330.8	326.7
-32.5°	285.3	290.6	295.0	298.5	300.9	302.4	302.9	302.4	300.9	298.5	295.0
-33.75°	257.1	262.2	266.4	269.7	272.1	273.5	274.0	273.5	272.1	269.7	266.4
-35°	233.1	236.7	239.7	242.0	243.7	244.7	245.0	244.7	243.7	242.0	239.7
-36.25°	212.2	215.7	218.5	220.7	222.3	223.3	223.6	223.3	222.3	220.7	218.5
-37.5°	191.3	194.6	197.4	199.5	201.0	201.9	202.2	201.9	201.0	199.5	197.4
-38.75°	170.4	173.6	176.2	178.2	179.6	180.5	180.8	180.5	179.6	178.2	176.2
-40°	151.7	154.0	155.9	157.5	158.5	159.2	159.4	159.2	158.5	157.5	155.9
-41.25°	135.3	137.6	139.4	140.9	141.9	142.5	142.8	142.5	141.9	140.9	139.4
-42.5°	119.4	121.4	123.1	124.4	125.3	125.9	126.1	125.9	125.3	124.4	123.1
-43.75°	103.8	105.8	107.4	108.6	109.5	110.1	110.3	110.1	109.5	108.6	107.4
-45°	90.8	91.9	92.8	93.5	94.0	94.3	94.4	94.3	94.0	93.5	92.8
-46.25°	81.8	82.9	83.7	84.4	84.9	85.2	85.2	85.2	84.9	84.4	83.7
-47.5°	75.0	75.3	75.6	75.8	76.0	76.1	76.1	76.1	76.0	75.8	75.6
-48.75°	71.9	72.2	72.5	72.7	72.8	72.9	73.0	72.9	72.8	72.7	72.5
-50°	69.3	69.4	69.6	69.7	69.7	69.8	69.8	69.8	69.7	69.7	69.6
-51.25°	67.7	67.9	68.0	68.1	68.1	68.2	68.2	68.2	68.1	68.1	68.0
-52.5°	66.1	66.3	66.4	66.5	66.5	66.6	66.6	66.6	66.5	66.5	66.4
-53.75°	64.5	64.7	64.8	64.9	64.9	65.0	65.0	65.0	64.9	64.9	64.8
-55°	62.9	63.0	63.2	63.3	63.3	63.4	63.4	63.4	63.3	63.3	63.2
-56.25°	60.9	61.1	61.2	61.3	61.4	61.4	61.5	61.4	61.4	61.3	61.2
-57.5°	59.1	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.4	59.3
-58.75°	57.5	57.6	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.8	57.7
-60°	55.8	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.2	56.2	56.1
-61.25°	53.4	53.5	53.7	53.8	53.8	53.9	53.9	53.9	53.8	53.8	53.7
-62.5°	50.9	51.1	51.3	51.4	51.4	51.5	51.5	51.5	51.4	51.4	51.3
-63.75°	48.2	48.4	48.5	48.6	48.7	48.7	48.8	48.7	48.7	48.6	48.5
-65°	45.4	45.5	45.7	45.8	45.9	46.0	46.0	46.0	45.9	45.8	45.7
-66.25°	41.8	42.0	42.2	42.3	42.4	42.4	42.5	42.4	42.4	42.3	42.2
-67.5°	38.4	38.6	38.7	38.8	38.8	38.9	38.9	38.9	38.8	38.8	38.7
-68.75°	35.7	35.8	35.9	36.0	36.1	36.1	36.1	36.1	36.1	36.0	35.9
-70°	32.9	33.0	33.1	33.2	33.2	33.3	33.3	33.3	33.2	33.2	33.1
-71.25°	29.7	29.9	30.0	30.0	30.1	30.1	30.2	30.1	30.1	30.0	30.0
-72.5°	26.8	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.9
-73.75°	25.2	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.3
-75°	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.7
-76.25°	22.0	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.1
-77.5°	20.5	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.5



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	18.9	18.9	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.9
-80°	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.3
-81.25°	15.3	15.4	15.4	15.4	15.4	15.4	15.5	15.4	15.4	15.4	15.4
-82.5°	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4
-83.75°	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
-85°	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-86.25°	6.3	6.3	6.3	6.3	6.3	6.3	6.4	6.3	6.3	6.3	6.3
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-88.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-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: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
87.5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
86.25°	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0
85°	8.6	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3	8.2
83.75°	11.0	11.0	11.0	10.9	10.9	10.8	10.8	10.7	10.6	10.5	10.5
82.5°	13.4	13.4	13.3	13.3	13.2	13.2	13.1	13.0	12.9	12.8	12.7
81.25°	15.4	15.3	15.3	15.2	15.2	15.1	15.1	15.0	14.9	14.8	14.7
80°	17.3	17.3	17.2	17.2	17.1	17.0	16.9	16.9	16.8	16.7	16.6
78.75°	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.5	18.4	18.3	18.2
77.5°	20.5	20.5	20.4	20.4	20.3	20.2	20.1	20.0	20.0	19.8	19.7
76.25°	22.1	22.0	22.0	21.9	21.9	21.8	21.7	21.6	21.5	21.4	21.2
75°	23.7	23.6	23.6	23.5	23.4	23.3	23.2	23.1	23.0	22.9	22.8
73.75°	25.3	25.2	25.2	25.1	25.0	24.9	24.8	24.7	24.5	24.4	24.3
72.5°	26.9	26.8	26.7	26.6	26.6	26.5	26.3	26.2	26.1	25.9	25.8
71.25°	29.9	29.7	29.6	29.4	29.2	29.0	28.7	28.5	28.2	27.9	27.6
70°	33.0	32.9	32.7	32.5	32.3	32.1	31.8	31.5	31.2	30.9	30.5
68.75°	35.8	35.7	35.5	35.3	35.1	34.9	34.7	34.4	34.1	33.8	33.5
67.5°	38.6	38.4	38.3	38.1	37.9	37.6	37.4	37.1	36.8	36.4	36.1
66.25°	42.0	41.8	41.6	41.4	41.1	40.8	40.4	40.0	39.6	39.2	38.7
65°	45.5	45.4	45.1	44.8	44.5	44.2	43.8	43.4	43.0	42.5	42.0
63.75°	48.4	48.2	48.0	47.8	47.6	47.3	47.0	46.6	46.3	45.9	45.3
62.5°	51.1	50.9	50.7	50.5	50.2	49.9	49.6	49.3	48.9	48.5	48.0
61.25°	53.5	53.4	53.2	53.0	52.7	52.5	52.2	51.9	51.5	51.1	50.6
60°	55.9	55.8	55.6	55.3	55.1	54.8	54.5	54.1	53.8	53.4	53.0
58.75°	57.6	57.5	57.4	57.2	57.0	56.8	56.6	56.4	56.1	55.6	55.2
57.5°	59.2	59.1	59.0	58.8	58.6	58.4	58.2	57.9	57.6	57.4	57.0
56.25°	61.1	60.9	60.8	60.5	60.3	60.0	59.7	59.4	59.2	58.9	58.5
55°	63.0	62.9	62.7	62.5	62.2	61.9	61.6	61.3	60.9	60.5	60.1
53.75°	64.7	64.5	64.4	64.2	64.0	63.7	63.5	63.1	62.8	62.4	61.9
52.5°	66.3	66.1	65.9	65.7	65.5	65.3	65.0	64.7	64.4	64.0	63.7
51.25°	67.9	67.7	67.5	67.3	67.1	66.8	66.5	66.2	65.9	65.5	65.1
50°	69.4	69.3	69.1	68.9	68.6	68.4	68.1	67.7	67.4	67.0	66.6
48.75°	72.2	71.9	71.5	71.0	70.5	70.0	69.6	69.2	68.9	68.5	68.1
47.5°	75.3	75.0	74.6	74.1	73.6	73.0	72.4	71.7	70.9	70.1	69.5
46.25°	82.9	81.8	80.6	79.2	77.6	76.0	75.3	74.6	73.8	73.0	72.1
45°	91.9	90.8	89.5	88.1	86.4	84.6	82.5	80.3	78.0	75.9	74.9
43.75°	105.8	103.8	101.5	98.8	95.8	93.3	91.2	88.9	86.4	83.8	80.9
42.5°	121.4	119.4	116.9	114.2	111.0	107.6	103.8	99.6	95.1	92.1	89.1
41.25°	137.6	135.3	132.7	129.7	126.2	122.6	118.6	114.3	109.7	104.7	99.4
40°	154.0	151.7	148.9	145.7	142.2	138.2	133.8	129.1	124.1	118.9	113.4
38.75°	173.6	170.4	166.7	162.4	158.0	153.9	149.4	144.5	139.2	133.5	127.5
37.5°	194.6	191.3	187.5	183.0	178.0	172.5	166.4	159.8	154.2	148.3	142.1
36.25°	215.7	212.2	208.2	203.6	198.3	192.6	186.2	179.4	172.0	164.1	156.6
35°	236.7	233.1	228.9	224.0	218.6	212.6	206.0	198.8	191.1	182.9	174.2



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°
33.75°	262.2	257.1	251.1	244.5	238.8	232.5	225.6	218.1	210.1	201.6	192.6
32.5°	290.6	285.3	279.0	271.8	263.8	254.9	245.2	237.3	229.0	220.1	210.8
31.25°	321.4	314.9	307.4	299.3	290.9	281.6	271.4	260.5	248.7	238.5	228.8
30°	353.9	347.2	339.2	330.2	320.1	308.9	297.5	286.1	273.8	260.8	247.1
28.75°	389.1	380.9	371.3	361.5	350.9	339.2	326.5	312.8	298.7	285.2	270.9
27.5°	442.4	428.6	412.5	396.4	383.6	369.4	356.1	341.7	326.4	310.2	294.4
26.25°	542.8	515.8	486.3	452.7	429.9	406.2	387.9	370.5	354.4	337.5	319.8
25°	683.3	644.3	603.5	557.0	512.5	469.3	434.0	405.1	384.0	364.4	346.0
23.75°	840.4	796.2	746.4	691.4	632.1	572.5	514.5	461.9	424.6	394.3	372.0
22.5°	998.3	953.8	901.6	839.9	771.6	701.0	627.4	555.0	492.0	438.7	401.7
21.25°	1142.5	1099.3	1049.2	988.3	919.5	841.2	757.4	672.0	589.2	512.2	447.2
20°	1251.3	1218.5	1177.3	1123.7	1057.5	980.3	894.7	799.7	703.9	609.9	522.4
18.75°	1317.9	1296.0	1268.1	1231.4	1177.0	1107.2	1024.5	929.8	826.1	720.0	616.8
17.5°	1377.9	1354.7	1329.1	1299.8	1263.3	1210.7	1141.0	1050.2	947.2	834.9	720.0
16.25°	1439.0	1414.2	1385.7	1353.8	1320.4	1281.2	1231.3	1157.4	1058.5	947.2	826.1
15°	1499.6	1472.9	1442.4	1408.5	1371.4	1332.6	1290.3	1238.1	1157.4	1050.2	929.8
13.75°	1557.3	1529.9	1498.1	1461.8	1422.5	1380.4	1336.7	1290.3	1231.3	1141.0	1024.5
12.5°	1622.0	1587.5	1550.3	1513.4	1471.6	1427.2	1380.4	1332.6	1281.2	1210.7	1107.2
11.25°	1689.5	1650.0	1606.5	1560.7	1518.4	1471.6	1422.5	1371.4	1320.4	1263.3	1177.0
10°	1754.8	1712.5	1664.4	1613.0	1560.7	1513.4	1461.8	1408.5	1353.8	1299.8	1231.4
8.75°	1812.6	1770.2	1720.4	1664.4	1606.5	1550.3	1498.1	1442.4	1385.7	1329.1	1268.1
7.5°	1861.6	1820.1	1770.2	1712.5	1650.0	1587.5	1529.9	1472.9	1414.2	1354.7	1296.0
6.25°	1901.6	1861.6	1812.6	1754.8	1689.5	1622.0	1557.3	1499.6	1439.0	1377.9	1317.9
5°	1934.0	1894.7	1847.1	1789.5	1723.6	1652.8	1583.5	1521.6	1459.8	1397.3	1335.2
3.75°	1955.4	1919.1	1872.2	1815.9	1750.5	1677.6	1605.0	1538.7	1476.4	1412.6	1348.9
2.5°	1969.6	1936.8	1890.7	1834.9	1769.4	1696.0	1620.9	1551.1	1488.5	1423.7	1359.0
1.25°	1976.9	1945.9	1901.3	1846.6	1780.9	1707.3	1631.0	1558.7	1495.8	1430.5	1365.3
0°	1979.5	1949.0	1904.7	1850.6	1784.8	1711.1	1634.4	1561.2	1498.2	1432.8	1367.4
-1.25°	1976.9	1945.9	1901.3	1846.6	1780.9	1707.3	1631.0	1558.7	1495.8	1430.5	1365.3
-2.5°	1969.6	1936.8	1890.7	1834.9	1769.4	1696.0	1620.9	1551.1	1488.5	1423.7	1359.0
-3.75°	1955.4	1919.1	1872.2	1815.9	1750.5	1677.6	1605.0	1538.7	1476.4	1412.6	1348.9
-5°	1934.0	1894.7	1847.1	1789.5	1723.6	1652.8	1583.5	1521.6	1459.8	1397.3	1335.2
-6.25°	1901.6	1861.6	1812.6	1754.8	1689.5	1622.0	1557.3	1499.6	1439.0	1377.9	1317.9
-7.5°	1861.6	1820.1	1770.2	1712.5	1650.0	1587.5	1529.9	1472.9	1414.2	1354.7	1296.0
-8.75°	1812.6	1770.2	1720.4	1664.4	1606.5	1550.3	1498.1	1442.4	1385.7	1329.1	1268.1
-10°	1754.8	1712.5	1664.4	1613.0	1560.7	1513.4	1461.8	1408.5	1353.8	1299.8	1231.4
-11.25°	1689.5	1650.0	1606.5	1560.7	1518.4	1471.6	1422.5	1371.4	1320.4	1263.3	1177.0
-12.5°	1622.0	1587.5	1550.3	1513.4	1471.6	1427.2	1380.4	1332.6	1281.2	1210.7	1107.2
-13.75°	1557.3	1529.9	1498.1	1461.8	1422.5	1380.4	1336.7	1290.3	1231.3	1141.0	1024.5
-15°	1499.6	1472.9	1442.4	1408.5	1371.4	1332.6	1290.3	1238.1	1157.4	1050.2	929.8
-16.25°	1439.0	1414.2	1385.7	1353.8	1320.4	1281.2	1231.3	1157.4	1058.5	947.2	826.1
-17.5°	1377.9	1354.7	1329.1	1299.8	1263.3	1210.7	1141.0	1050.2	947.2	834.9	720.0
-18.75°	1317.9	1296.0	1268.1	1231.4	1177.0	1107.2	1024.5	929.8	826.1	720.0	616.8
-20°	1251.3	1218.5	1177.3	1123.7	1057.5	980.3	894.7	799.7	703.9	609.9	522.4
-21.25°	1142.5	1099.3	1049.2	988.3	919.5	841.2	757.4	672.0	589.2	512.2	447.2



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	998.3	953.8	901.6	839.9	771.6	701.0	627.4	555.0	492.0	438.7	401.7
-23.75°	840.4	796.2	746.4	691.4	632.1	572.5	514.5	461.9	424.6	394.3	372.0
-25°	683.3	644.3	603.5	557.0	512.5	469.3	434.0	405.1	384.0	364.4	346.0
-26.25°	542.8	515.8	486.3	452.7	429.9	406.2	387.9	370.5	354.4	337.5	319.8
-27.5°	442.4	428.6	412.5	396.4	383.6	369.4	356.1	341.7	326.4	310.2	294.4
-28.75°	389.1	380.9	371.3	361.5	350.9	339.2	326.5	312.8	298.7	285.2	270.9
-30°	353.9	347.2	339.2	330.2	320.1	308.9	297.5	286.1	273.8	260.8	247.1
-31.25°	321.4	314.9	307.4	299.3	290.9	281.6	271.4	260.5	248.7	238.5	228.8
-32.5°	290.6	285.3	279.0	271.8	263.8	254.9	245.2	237.3	229.0	220.1	210.8
-33.75°	262.2	257.1	251.1	244.5	238.8	232.5	225.6	218.1	210.1	201.6	192.6
-35°	236.7	233.1	228.9	224.0	218.6	212.6	206.0	198.8	191.1	182.9	174.2
-36.25°	215.7	212.2	208.2	203.6	198.3	192.6	186.2	179.4	172.0	164.1	156.6
-37.5°	194.6	191.3	187.5	183.0	178.0	172.5	166.4	159.8	154.2	148.3	142.1
-38.75°	173.6	170.4	166.7	162.4	158.0	153.9	149.4	144.5	139.2	133.5	127.5
-40°	154.0	151.7	148.9	145.7	142.2	138.2	133.8	129.1	124.1	118.9	113.4
-41.25°	137.6	135.3	132.7	129.7	126.2	122.6	118.6	114.3	109.7	104.7	99.4
-42.5°	121.4	119.4	116.9	114.2	111.0	107.6	103.8	99.6	95.1	92.1	89.1
-43.75°	105.8	103.8	101.5	98.8	95.8	93.3	91.2	88.9	86.4	83.8	80.9
-45°	91.9	90.8	89.5	88.1	86.4	84.6	82.5	80.3	78.0	75.9	74.9
-46.25°	82.9	81.8	80.6	79.2	77.6	76.0	75.3	74.6	73.8	73.0	72.1
-47.5°	75.3	75.0	74.6	74.1	73.6	73.0	72.4	71.7	70.9	70.1	69.5
-48.75°	72.2	71.9	71.5	71.0	70.5	70.0	69.6	69.2	68.9	68.5	68.1
-50°	69.4	69.3	69.1	68.9	68.6	68.4	68.1	67.7	67.4	67.0	66.6
-51.25°	67.9	67.7	67.5	67.3	67.1	66.8	66.5	66.2	65.9	65.5	65.1
-52.5°	66.3	66.1	65.9	65.7	65.5	65.3	65.0	64.7	64.4	64.0	63.7
-53.75°	64.7	64.5	64.4	64.2	64.0	63.7	63.5	63.1	62.8	62.4	61.9
-55°	63.0	62.9	62.7	62.5	62.2	61.9	61.6	61.3	60.9	60.5	60.1
-56.25°	61.1	60.9	60.8	60.5	60.3	60.0	59.7	59.4	59.2	58.9	58.5
-57.5°	59.2	59.1	59.0	58.8	58.6	58.4	58.2	57.9	57.6	57.4	57.0
-58.75°	57.6	57.5	57.4	57.2	57.0	56.8	56.6	56.4	56.1	55.6	55.2
-60°	55.9	55.8	55.6	55.3	55.1	54.8	54.5	54.1	53.8	53.4	53.0
-61.25°	53.5	53.4	53.2	53.0	52.7	52.5	52.2	51.9	51.5	51.1	50.6
-62.5°	51.1	50.9	50.7	50.5	50.2	49.9	49.6	49.3	48.9	48.5	48.0
-63.75°	48.4	48.2	48.0	47.8	47.6	47.3	47.0	46.6	46.3	45.9	45.3
-65°	45.5	45.4	45.1	44.8	44.5	44.2	43.8	43.4	43.0	42.5	42.0
-66.25°	42.0	41.8	41.6	41.4	41.1	40.8	40.4	40.0	39.6	39.2	38.7
-67.5°	38.6	38.4	38.3	38.1	37.9	37.6	37.4	37.1	36.8	36.4	36.1
-68.75°	35.8	35.7	35.5	35.3	35.1	34.9	34.7	34.4	34.1	33.8	33.5
-70°	33.0	32.9	32.7	32.5	32.3	32.1	31.8	31.5	31.2	30.9	30.5
-71.25°	29.9	29.7	29.6	29.4	29.2	29.0	28.7	28.5	28.2	27.9	27.6
-72.5°	26.9	26.8	26.7	26.6	26.6	26.5	26.3	26.2	26.1	25.9	25.8
-73.75°	25.3	25.2	25.2	25.1	25.0	24.9	24.8	24.7	24.5	24.4	24.3
-75°	23.7	23.6	23.6	23.5	23.4	23.3	23.2	23.1	23.0	22.9	22.8
-76.25°	22.1	22.0	22.0	21.9	21.9	21.8	21.7	21.6	21.5	21.4	21.2
-77.5°	20.5	20.5	20.4	20.4	20.3	20.2	20.1	20.0	20.0	19.8	19.7



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.5	18.4	18.3	18.2
-80°	17.3	17.3	17.2	17.2	17.1	17.0	16.9	16.9	16.8	16.7	16.6
-81.25°	15.4	15.3	15.3	15.2	15.2	15.1	15.1	15.0	14.9	14.8	14.7
-82.5°	13.4	13.4	13.3	13.3	13.2	13.2	13.1	13.0	12.9	12.8	12.7
-83.75°	11.0	11.0	11.0	10.9	10.9	10.8	10.8	10.7	10.6	10.5	10.5
-85°	8.6	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3	8.2
-86.25°	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0
-87.5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
-88.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
87.5°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
86.25°	5.9	5.9	5.8	5.8	5.7	5.6	5.6	5.5	5.4	5.3	5.2
85°	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2
83.75°	10.4	10.3	10.2	10.1	10.0	9.9	9.7	9.6	9.5	9.4	9.2
82.5°	12.6	12.5	12.4	12.3	12.1	12.0	11.9	11.7	11.6	11.4	11.2
81.25°	14.6	14.5	14.4	14.3	14.2	14.0	13.9	13.8	13.6	13.4	13.3
80°	16.5	16.3	16.2	16.1	15.9	15.8	15.6	15.5	15.3	15.1	14.9
78.75°	18.1	18.0	17.9	17.8	17.6	17.5	17.3	17.2	17.0	16.8	16.6
77.5°	19.6	19.5	19.4	19.2	19.1	18.9	18.8	18.6	18.4	18.2	18.1
76.25°	21.1	21.0	20.8	20.7	20.5	20.4	20.2	20.0	19.8	19.6	19.4
75°	22.6	22.5	22.3	22.1	22.0	21.8	21.6	21.4	21.2	21.0	20.7
73.75°	24.1	24.0	23.8	23.6	23.4	23.2	23.0	22.8	22.6	22.3	22.1
72.5°	25.6	25.4	25.2	25.0	24.8	24.6	24.4	24.2	23.9	23.7	23.4
71.25°	27.2	26.9	26.7	26.5	26.3	26.0	25.8	25.6	25.3	25.0	24.7
70°	30.1	29.7	29.3	28.9	28.4	27.9	27.4	26.9	26.7	26.4	26.1
68.75°	33.1	32.7	32.2	31.7	31.2	30.7	30.2	29.6	29.0	28.4	27.8
67.5°	35.7	35.3	34.9	34.4	34.0	33.5	32.9	32.3	31.7	31.0	30.4
66.25°	38.3	37.9	37.4	37.0	36.5	35.9	35.4	34.8	34.2	33.6	32.9
65°	41.5	40.9	40.3	39.6	39.0	38.4	37.8	37.2	36.6	35.9	35.3
63.75°	44.7	44.1	43.5	42.8	42.1	41.4	40.6	39.8	39.0	38.3	37.6
62.5°	47.6	47.1	46.6	46.0	45.3	44.5	43.7	42.8	41.9	41.0	40.1
61.25°	50.1	49.6	49.0	48.5	47.9	47.2	46.6	45.8	44.9	44.0	43.0
60°	52.5	52.0	51.5	50.9	50.3	49.6	48.9	48.2	47.4	46.7	45.8
58.75°	54.7	54.2	53.7	53.1	52.5	51.9	51.3	50.5	49.7	48.9	48.1
57.5°	56.7	56.4	55.8	55.3	54.7	54.0	53.3	52.7	51.9	51.2	50.3
56.25°	58.2	57.8	57.4	57.0	56.6	56.1	55.4	54.7	53.9	53.1	52.3
55°	59.7	59.3	58.9	58.4	58.0	57.5	57.0	56.5	55.9	55.1	54.2
53.75°	61.5	61.0	60.5	59.9	59.4	58.9	58.4	57.9	57.3	56.8	56.1
52.5°	63.2	62.7	62.2	61.6	61.0	60.4	59.8	59.2	58.6	58.0	57.4
51.25°	64.7	64.3	63.8	63.3	62.7	62.1	61.4	60.7	60.0	59.3	58.7
50°	66.2	65.7	65.2	64.7	64.2	63.7	63.0	62.3	61.6	60.8	60.0
48.75°	67.6	67.1	66.6	66.1	65.6	65.0	64.4	63.8	63.1	62.3	61.5
47.5°	69.0	68.6	68.0	67.5	66.9	66.3	65.7	65.1	64.4	63.8	63.0
46.25°	71.1	70.1	69.4	68.9	68.3	67.7	67.0	66.4	65.7	65.0	64.3
45°	73.9	72.9	71.8	70.6	69.6	69.0	68.3	67.6	66.9	66.2	65.5
43.75°	77.9	75.6	74.5	73.3	72.1	70.8	69.6	68.9	68.2	67.4	66.6
42.5°	86.0	82.7	79.3	76.0	74.7	73.3	71.9	70.5	69.4	68.6	67.8
41.25°	94.0	90.6	87.1	83.3	79.4	75.8	74.4	72.9	71.4	69.8	69.0
40°	107.6	101.5	95.0	90.9	86.9	82.7	78.3	75.3	73.7	72.1	70.4
38.75°	121.4	115.0	108.3	101.3	94.2	89.9	85.4	80.8	76.1	74.4	72.6
37.5°	135.5	128.5	121.5	114.3	106.7	99.0	92.4	87.6	82.7	77.6	74.8
36.25°	149.7	142.5	134.9	127.1	119.3	111.2	102.9	94.4	89.3	84.0	78.7
35°	165.1	156.3	148.5	140.4	131.9	123.3	114.7	105.9	96.8	90.4	84.9



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°
33.75°	183.1	173.1	162.7	153.5	144.8	135.7	126.4	117.2	107.8	98.2	90.9
32.5°	200.9	190.5	179.7	168.5	157.4	148.1	138.4	128.5	118.7	108.8	98.7
31.25°	218.5	207.7	196.6	184.9	172.9	160.5	150.3	140.1	129.6	119.2	108.8
30°	235.9	224.8	213.2	201.1	188.7	175.8	162.7	151.4	140.6	129.6	118.7
28.75°	255.9	241.5	229.5	217.0	204.2	190.9	177.3	163.4	151.4	140.1	128.5
27.5°	278.9	262.6	245.8	232.7	219.4	205.7	191.7	177.3	162.7	150.3	138.4
26.25°	301.4	284.6	267.1	249.1	234.3	220.2	205.7	190.9	175.8	160.5	148.1
25°	326.7	306.6	288.0	269.4	250.2	234.3	219.4	204.2	188.7	172.9	157.4
23.75°	351.6	330.8	309.3	289.2	269.4	249.1	232.7	217.0	201.1	184.9	168.5
22.5°	377.1	354.5	332.2	309.3	288.0	267.1	245.8	229.5	213.2	196.6	179.7
21.25°	407.3	378.8	354.5	330.8	306.6	284.6	262.6	241.5	224.8	207.7	190.5
20°	450.4	407.3	377.1	351.6	326.7	301.4	278.9	255.9	235.9	218.5	200.9
18.75°	522.4	447.2	401.7	372.0	346.0	319.8	294.4	270.9	247.1	228.8	210.8
17.5°	609.9	512.2	438.7	394.3	364.4	337.5	310.2	285.2	260.8	238.5	220.1
16.25°	703.9	589.2	492.0	424.6	384.0	354.4	326.4	298.7	273.8	248.7	229.0
15°	799.7	672.0	555.0	461.9	405.1	370.5	341.7	312.8	286.1	260.5	237.3
13.75°	894.7	757.4	627.4	514.5	434.0	387.9	356.1	326.5	297.5	271.4	245.2
12.5°	980.3	841.2	701.0	572.5	469.3	406.2	369.4	339.2	308.9	281.6	254.9
11.25°	1057.5	919.5	771.6	632.1	512.5	429.9	383.6	350.9	320.1	290.9	263.8
10°	1123.7	988.3	839.9	691.4	557.0	452.7	396.4	361.5	330.2	299.3	271.8
8.75°	1177.3	1049.2	901.6	746.4	603.5	486.3	412.5	371.3	339.2	307.4	279.0
7.5°	1218.5	1099.3	953.8	796.2	644.3	515.8	428.6	380.9	347.2	314.9	285.3
6.25°	1251.3	1142.5	998.3	840.4	683.3	542.8	442.4	389.1	353.9	321.4	290.6
5°	1270.1	1173.2	1035.2	877.0	715.9	570.3	456.8	395.9	359.5	326.7	295.0
3.75°	1284.9	1195.1	1062.0	905.8	741.5	591.8	472.3	401.7	363.9	330.8	298.5
2.5°	1295.7	1210.9	1081.2	925.7	759.9	607.2	483.4	407.8	367.0	333.8	300.9
1.25°	1302.1	1220.4	1092.7	937.6	771.0	616.5	490.2	411.5	368.9	335.6	302.4
0°	1304.3	1223.6	1096.6	941.6	774.7	619.7	492.4	412.7	369.5	336.2	302.9
-1.25°	1302.1	1220.4	1092.7	937.6	771.0	616.5	490.2	411.5	368.9	335.6	302.4
-2.5°	1295.7	1210.9	1081.2	925.7	759.9	607.2	483.4	407.8	367.0	333.8	300.9
-3.75°	1284.9	1195.1	1062.0	905.8	741.5	591.8	472.3	401.7	363.9	330.8	298.5
-5°	1270.1	1173.2	1035.2	877.0	715.9	570.3	456.8	395.9	359.5	326.7	295.0
-6.25°	1251.3	1142.5	998.3	840.4	683.3	542.8	442.4	389.1	353.9	321.4	290.6
-7.5°	1218.5	1099.3	953.8	796.2	644.3	515.8	428.6	380.9	347.2	314.9	285.3
-8.75°	1177.3	1049.2	901.6	746.4	603.5	486.3	412.5	371.3	339.2	307.4	279.0
-10°	1123.7	988.3	839.9	691.4	557.0	452.7	396.4	361.5	330.2	299.3	271.8
-11.25°	1057.5	919.5	771.6	632.1	512.5	429.9	383.6	350.9	320.1	290.9	263.8
-12.5°	980.3	841.2	701.0	572.5	469.3	406.2	369.4	339.2	308.9	281.6	254.9
-13.75°	894.7	757.4	627.4	514.5	434.0	387.9	356.1	326.5	297.5	271.4	245.2
-15°	799.7	672.0	555.0	461.9	405.1	370.5	341.7	312.8	286.1	260.5	237.3
-16.25°	703.9	589.2	492.0	424.6	384.0	354.4	326.4	298.7	273.8	248.7	229.0
-17.5°	609.9	512.2	438.7	394.3	364.4	337.5	310.2	285.2	260.8	238.5	220.1
-18.75°	522.4	447.2	401.7	372.0	346.0	319.8	294.4	270.9	247.1	228.8	210.8
-20°	450.4	407.3	377.1	351.6	326.7	301.4	278.9	255.9	235.9	218.5	200.9
-21.25°	407.3	378.8	354.5	330.8	306.6	284.6	262.6	241.5	224.8	207.7	190.5



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°
-22.5°	377.1	354.5	332.2	309.3	288.0	267.1	245.8	229.5	213.2	196.6	179.7
-23.75°	351.6	330.8	309.3	289.2	269.4	249.1	232.7	217.0	201.1	184.9	168.5
-25°	326.7	306.6	288.0	269.4	250.2	234.3	219.4	204.2	188.7	172.9	157.4
-26.25°	301.4	284.6	267.1	249.1	234.3	220.2	205.7	190.9	175.8	160.5	148.1
-27.5°	278.9	262.6	245.8	232.7	219.4	205.7	191.7	177.3	162.7	150.3	138.4
-28.75°	255.9	241.5	229.5	217.0	204.2	190.9	177.3	163.4	151.4	140.1	128.5
-30°	235.9	224.8	213.2	201.1	188.7	175.8	162.7	151.4	140.6	129.6	118.7
-31.25°	218.5	207.7	196.6	184.9	172.9	160.5	150.3	140.1	129.6	119.2	108.8
-32.5°	200.9	190.5	179.7	168.5	157.4	148.1	138.4	128.5	118.7	108.8	98.7
-33.75°	183.1	173.1	162.7	153.5	144.8	135.7	126.4	117.2	107.8	98.2	90.9
-35°	165.1	156.3	148.5	140.4	131.9	123.3	114.7	105.9	96.8	90.4	84.9
-36.25°	149.7	142.5	134.9	127.1	119.3	111.2	102.9	94.4	89.3	84.0	78.7
-37.5°	135.5	128.5	121.5	114.3	106.7	99.0	92.4	87.6	82.7	77.6	74.8
-38.75°	121.4	115.0	108.3	101.3	94.2	89.9	85.4	80.8	76.1	74.4	72.6
-40°	107.6	101.5	95.0	90.9	86.9	82.7	78.3	75.3	73.7	72.1	70.4
-41.25°	94.0	90.6	87.1	83.3	79.4	75.8	74.4	72.9	71.4	69.8	69.0
-42.5°	86.0	82.7	79.3	76.0	74.7	73.3	71.9	70.5	69.4	68.6	67.8
-43.75°	77.9	75.6	74.5	73.3	72.1	70.8	69.6	68.9	68.2	67.4	66.6
-45°	73.9	72.9	71.8	70.6	69.6	69.0	68.3	67.6	66.9	66.2	65.5
-46.25°	71.1	70.1	69.4	68.9	68.3	67.7	67.0	66.4	65.7	65.0	64.3
-47.5°	69.0	68.6	68.0	67.5	66.9	66.3	65.7	65.1	64.4	63.8	63.0
-48.75°	67.6	67.1	66.6	66.1	65.6	65.0	64.4	63.8	63.1	62.3	61.5
-50°	66.2	65.7	65.2	64.7	64.2	63.7	63.0	62.3	61.6	60.8	60.0
-51.25°	64.7	64.3	63.8	63.3	62.7	62.1	61.4	60.7	60.0	59.3	58.7
-52.5°	63.2	62.7	62.2	61.6	61.0	60.4	59.8	59.2	58.6	58.0	57.4
-53.75°	61.5	61.0	60.5	59.9	59.4	58.9	58.4	57.9	57.3	56.8	56.1
-55°	59.7	59.3	58.9	58.4	58.0	57.5	57.0	56.5	55.9	55.1	54.2
-56.25°	58.2	57.8	57.4	57.0	56.6	56.1	55.4	54.7	53.9	53.1	52.3
-57.5°	56.7	56.4	55.8	55.3	54.7	54.0	53.3	52.7	51.9	51.2	50.3
-58.75°	54.7	54.2	53.7	53.1	52.5	51.9	51.3	50.5	49.7	48.9	48.1
-60°	52.5	52.0	51.5	50.9	50.3	49.6	48.9	48.2	47.4	46.7	45.8
-61.25°	50.1	49.6	49.0	48.5	47.9	47.2	46.6	45.8	44.9	44.0	43.0
-62.5°	47.6	47.1	46.6	46.0	45.3	44.5	43.7	42.8	41.9	41.0	40.1
-63.75°	44.7	44.1	43.5	42.8	42.1	41.4	40.6	39.8	39.0	38.3	37.6
-65°	41.5	40.9	40.3	39.6	39.0	38.4	37.8	37.2	36.6	35.9	35.3
-66.25°	38.3	37.9	37.4	37.0	36.5	35.9	35.4	34.8	34.2	33.6	32.9
-67.5°	35.7	35.3	34.9	34.4	34.0	33.5	32.9	32.3	31.7	31.0	30.4
-68.75°	33.1	32.7	32.2	31.7	31.2	30.7	30.2	29.6	29.0	28.4	27.8
-70°	30.1	29.7	29.3	28.9	28.4	27.9	27.4	26.9	26.7	26.4	26.1
-71.25°	27.2	26.9	26.7	26.5	26.3	26.0	25.8	25.6	25.3	25.0	24.7
-72.5°	25.6	25.4	25.2	25.0	24.8	24.6	24.4	24.2	23.9	23.7	23.4
-73.75°	24.1	24.0	23.8	23.6	23.4	23.2	23.0	22.8	22.6	22.3	22.1
-75°	22.6	22.5	22.3	22.1	22.0	21.8	21.6	21.4	21.2	21.0	20.7
-76.25°	21.1	21.0	20.8	20.7	20.5	20.4	20.2	20.0	19.8	19.6	19.4
-77.5°	19.6	19.5	19.4	19.2	19.1	18.9	18.8	18.6	18.4	18.2	18.1



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	18.1	18.0	17.9	17.8	17.6	17.5	17.3	17.2	17.0	16.8	16.6
-80°	16.5	16.3	16.2	16.1	15.9	15.8	15.6	15.5	15.3	15.1	14.9
-81.25°	14.6	14.5	14.4	14.3	14.2	14.0	13.9	13.8	13.6	13.4	13.3
-82.5°	12.6	12.5	12.4	12.3	12.1	12.0	11.9	11.7	11.6	11.4	11.2
-83.75°	10.4	10.3	10.2	10.1	10.0	9.9	9.7	9.6	9.5	9.4	9.2
-85°	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2
-86.25°	5.9	5.9	5.8	5.8	5.7	5.6	5.6	5.5	5.4	5.3	5.2
-87.5°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
-88.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
-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: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
87.5°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
86.25°	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
85°	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9	5.8
83.75°	9.1	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.8	7.6	7.4
82.5°	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.0
81.25°	13.1	12.8	12.6	12.4	12.2	11.9	11.7	11.5	11.2	11.0	10.7
80°	14.8	14.6	14.4	14.2	13.9	13.7	13.5	13.2	12.9	12.6	12.3
78.75°	16.4	16.1	15.9	15.7	15.5	15.2	15.0	14.7	14.4	14.2	13.9
77.5°	17.9	17.7	17.5	17.2	17.0	16.7	16.4	16.1	15.8	15.5	15.2
76.25°	19.2	19.0	18.7	18.5	18.3	18.0	17.8	17.5	17.2	16.9	16.6
75°	20.5	20.3	20.0	19.8	19.5	19.2	19.0	18.7	18.4	18.1	17.8
73.75°	21.8	21.6	21.3	21.0	20.7	20.4	20.1	19.8	19.5	19.2	18.9
72.5°	23.1	22.9	22.6	22.3	22.0	21.6	21.3	21.0	20.7	20.3	20.0
71.25°	24.4	24.1	23.8	23.5	23.2	22.8	22.5	22.1	21.8	21.4	21.0
70°	25.7	25.4	25.1	24.8	24.4	24.0	23.7	23.3	22.9	22.5	22.1
68.75°	27.1	26.7	26.4	26.0	25.6	25.2	24.8	24.4	24.0	23.6	23.2
67.5°	29.7	28.9	28.2	27.4	26.8	26.4	26.0	25.6	25.1	24.7	24.2
66.25°	32.2	31.4	30.7	29.9	29.0	28.2	27.3	26.7	26.2	25.8	25.3
65°	34.6	33.9	33.1	32.3	31.4	30.5	29.6	28.7	27.7	26.9	26.4
63.75°	36.8	36.1	35.3	34.5	33.7	32.8	31.8	30.9	29.9	28.8	27.8
62.5°	39.1	38.3	37.5	36.6	35.8	34.9	34.0	33.1	32.0	30.9	29.8
61.25°	41.9	40.9	39.8	38.7	37.9	36.9	36.0	35.0	34.0	33.0	31.9
60°	44.8	43.7	42.5	41.4	40.2	39.0	38.0	37.0	35.9	34.9	33.8
58.75°	47.2	46.3	45.2	44.0	42.8	41.5	40.2	38.9	37.8	36.7	35.6
57.5°	49.4	48.4	47.5	46.5	45.4	44.0	42.7	41.3	39.9	38.5	37.4
56.25°	51.5	50.6	49.6	48.5	47.5	46.4	45.1	43.7	42.2	40.7	39.2
55°	53.4	52.5	51.6	50.5	49.5	48.3	47.2	46.0	44.5	43.0	41.4
53.75°	55.2	54.3	53.4	52.4	51.4	50.3	49.1	47.9	46.6	45.2	43.5
52.5°	56.8	56.1	55.2	54.1	53.1	52.1	50.9	49.7	48.4	47.1	45.7
51.25°	58.0	57.4	56.7	55.9	54.8	53.7	52.6	51.5	50.1	48.8	47.4
50°	59.3	58.6	57.9	57.1	56.4	55.3	54.2	53.0	51.8	50.5	49.1
48.75°	60.7	59.8	59.0	58.3	57.5	56.7	55.8	54.5	53.3	52.1	50.7
47.5°	62.1	61.2	60.3	59.4	58.6	57.8	57.0	56.1	54.8	53.5	52.2
46.25°	63.5	62.6	61.7	60.7	59.7	58.8	58.0	57.1	56.2	54.9	53.5
45°	64.7	63.9	63.0	62.0	61.0	60.0	59.0	58.1	57.2	56.3	54.9
43.75°	65.9	65.0	64.2	63.3	62.3	61.2	60.1	59.1	58.2	57.2	56.2
42.5°	67.0	66.2	65.3	64.4	63.5	62.4	61.3	60.2	59.1	58.1	57.1
41.25°	68.1	67.3	66.4	65.5	64.5	63.6	62.5	61.3	60.1	59.0	58.0
40°	69.2	68.3	67.4	66.5	65.6	64.6	63.6	62.4	61.2	60.0	58.8
38.75°	70.9	69.4	68.5	67.5	66.5	65.6	64.5	63.5	62.3	61.0	59.7
37.5°	73.0	71.1	69.5	68.5	67.5	66.5	65.5	64.4	63.3	62.0	60.7
36.25°	75.1	73.2	71.2	69.5	68.5	67.4	66.4	65.3	64.2	63.0	61.7
35°	79.2	75.2	73.2	71.1	69.4	68.3	67.3	66.2	65.0	63.9	62.6



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	85.2	79.2	75.1	73.0	70.9	69.2	68.1	67.0	65.9	64.7	63.5
32.5°	90.9	84.9	78.7	74.8	72.6	70.4	69.0	67.8	66.6	65.5	64.3
31.25°	98.2	90.4	84.0	77.6	74.4	72.1	69.8	68.6	67.4	66.2	65.0
30°	107.8	96.8	89.3	82.7	76.1	73.7	71.4	69.4	68.2	66.9	65.7
28.75°	117.2	105.9	94.4	87.6	80.8	75.3	72.9	70.5	68.9	67.6	66.4
27.5°	126.4	114.7	102.9	92.4	85.4	78.3	74.4	71.9	69.6	68.3	67.0
26.25°	135.7	123.3	111.2	99.0	89.9	82.7	75.8	73.3	70.8	69.0	67.7
25°	144.8	131.9	119.3	106.7	94.2	86.9	79.4	74.7	72.1	69.6	68.3
23.75°	153.5	140.4	127.1	114.3	101.3	90.9	83.3	76.0	73.3	70.6	68.9
22.5°	162.7	148.5	134.9	121.5	108.3	95.0	87.1	79.3	74.5	71.8	69.4
21.25°	173.1	156.3	142.5	128.5	115.0	101.5	90.6	82.7	75.6	72.9	70.1
20°	183.1	165.1	149.7	135.5	121.4	107.6	94.0	86.0	77.9	73.9	71.1
18.75°	192.6	174.2	156.6	142.1	127.5	113.4	99.4	89.1	80.9	74.9	72.1
17.5°	201.6	182.9	164.1	148.3	133.5	118.9	104.7	92.1	83.8	75.9	73.0
16.25°	210.1	191.1	172.0	154.2	139.2	124.1	109.7	95.1	86.4	78.0	73.8
15°	218.1	198.8	179.4	159.8	144.5	129.1	114.3	99.6	88.9	80.3	74.6
13.75°	225.6	206.0	186.2	166.4	149.4	133.8	118.6	103.8	91.2	82.5	75.3
12.5°	232.5	212.6	192.6	172.5	153.9	138.2	122.6	107.6	93.3	84.6	76.0
11.25°	238.8	218.6	198.3	178.0	158.0	142.2	126.2	111.0	95.8	86.4	77.6
10°	244.5	224.0	203.6	183.0	162.4	145.7	129.7	114.2	98.8	88.1	79.2
8.75°	251.1	228.9	208.2	187.5	166.7	148.9	132.7	116.9	101.5	89.5	80.6
7.5°	257.1	233.1	212.2	191.3	170.4	151.7	135.3	119.4	103.8	90.8	81.8
6.25°	262.2	236.7	215.7	194.6	173.6	154.0	137.6	121.4	105.8	91.9	82.9
5°	266.4	239.7	218.5	197.4	176.2	155.9	139.4	123.1	107.4	92.8	83.7
3.75°	269.7	242.0	220.7	199.5	178.2	157.5	140.9	124.4	108.6	93.5	84.4
2.5°	272.1	243.7	222.3	201.0	179.6	158.5	141.9	125.3	109.5	94.0	84.9
1.25°	273.5	244.7	223.3	201.9	180.5	159.2	142.5	125.9	110.1	94.3	85.2
0°	274.0	245.0	223.6	202.2	180.8	159.4	142.8	126.1	110.3	94.4	85.2
-1.25°	273.5	244.7	223.3	201.9	180.5	159.2	142.5	125.9	110.1	94.3	85.2
-2.5°	272.1	243.7	222.3	201.0	179.6	158.5	141.9	125.3	109.5	94.0	84.9
-3.75°	269.7	242.0	220.7	199.5	178.2	157.5	140.9	124.4	108.6	93.5	84.4
-5°	266.4	239.7	218.5	197.4	176.2	155.9	139.4	123.1	107.4	92.8	83.7
-6.25°	262.2	236.7	215.7	194.6	173.6	154.0	137.6	121.4	105.8	91.9	82.9
-7.5°	257.1	233.1	212.2	191.3	170.4	151.7	135.3	119.4	103.8	90.8	81.8
-8.75°	251.1	228.9	208.2	187.5	166.7	148.9	132.7	116.9	101.5	89.5	80.6
-10°	244.5	224.0	203.6	183.0	162.4	145.7	129.7	114.2	98.8	88.1	79.2
-11.25°	238.8	218.6	198.3	178.0	158.0	142.2	126.2	111.0	95.8	86.4	77.6
-12.5°	232.5	212.6	192.6	172.5	153.9	138.2	122.6	107.6	93.3	84.6	76.0
-13.75°	225.6	206.0	186.2	166.4	149.4	133.8	118.6	103.8	91.2	82.5	75.3
-15°	218.1	198.8	179.4	159.8	144.5	129.1	114.3	99.6	88.9	80.3	74.6
-16.25°	210.1	191.1	172.0	154.2	139.2	124.1	109.7	95.1	86.4	78.0	73.8
-17.5°	201.6	182.9	164.1	148.3	133.5	118.9	104.7	92.1	83.8	75.9	73.0
-18.75°	192.6	174.2	156.6	142.1	127.5	113.4	99.4	89.1	80.9	74.9	72.1
-20°	183.1	165.1	149.7	135.5	121.4	107.6	94.0	86.0	77.9	73.9	71.1
-21.25°	173.1	156.3	142.5	128.5	115.0	101.5	90.6	82.7	75.6	72.9	70.1



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	162.7	148.5	134.9	121.5	108.3	95.0	87.1	79.3	74.5	71.8	69.4
-23.75°	153.5	140.4	127.1	114.3	101.3	90.9	83.3	76.0	73.3	70.6	68.9
-25°	144.8	131.9	119.3	106.7	94.2	86.9	79.4	74.7	72.1	69.6	68.3
-26.25°	135.7	123.3	111.2	99.0	89.9	82.7	75.8	73.3	70.8	69.0	67.7
-27.5°	126.4	114.7	102.9	92.4	85.4	78.3	74.4	71.9	69.6	68.3	67.0
-28.75°	117.2	105.9	94.4	87.6	80.8	75.3	72.9	70.5	68.9	67.6	66.4
-30°	107.8	96.8	89.3	82.7	76.1	73.7	71.4	69.4	68.2	66.9	65.7
-31.25°	98.2	90.4	84.0	77.6	74.4	72.1	69.8	68.6	67.4	66.2	65.0
-32.5°	90.9	84.9	78.7	74.8	72.6	70.4	69.0	67.8	66.6	65.5	64.3
-33.75°	85.2	79.2	75.1	73.0	70.9	69.2	68.1	67.0	65.9	64.7	63.5
-35°	79.2	75.2	73.2	71.1	69.4	68.3	67.3	66.2	65.0	63.9	62.6
-36.25°	75.1	73.2	71.2	69.5	68.5	67.4	66.4	65.3	64.2	63.0	61.7
-37.5°	73.0	71.1	69.5	68.5	67.5	66.5	65.5	64.4	63.3	62.0	60.7
-38.75°	70.9	69.4	68.5	67.5	66.5	65.6	64.5	63.5	62.3	61.0	59.7
-40°	69.2	68.3	67.4	66.5	65.6	64.6	63.6	62.4	61.2	60.0	58.8
-41.25°	68.1	67.3	66.4	65.5	64.5	63.6	62.5	61.3	60.1	59.0	58.0
-42.5°	67.0	66.2	65.3	64.4	63.5	62.4	61.3	60.2	59.1	58.1	57.1
-43.75°	65.9	65.0	64.2	63.3	62.3	61.2	60.1	59.1	58.2	57.2	56.2
-45°	64.7	63.9	63.0	62.0	61.0	60.0	59.0	58.1	57.2	56.3	54.9
-46.25°	63.5	62.6	61.7	60.7	59.7	58.8	58.0	57.1	56.2	54.9	53.5
-47.5°	62.1	61.2	60.3	59.4	58.6	57.8	57.0	56.1	54.8	53.5	52.2
-48.75°	60.7	59.8	59.0	58.3	57.5	56.7	55.8	54.5	53.3	52.1	50.7
-50°	59.3	58.6	57.9	57.1	56.4	55.3	54.2	53.0	51.8	50.5	49.1
-51.25°	58.0	57.4	56.7	55.9	54.8	53.7	52.6	51.5	50.1	48.8	47.4
-52.5°	56.8	56.1	55.2	54.1	53.1	52.1	50.9	49.7	48.4	47.1	45.7
-53.75°	55.2	54.3	53.4	52.4	51.4	50.3	49.1	47.9	46.6	45.2	43.5
-55°	53.4	52.5	51.6	50.5	49.5	48.3	47.2	46.0	44.5	43.0	41.4
-56.25°	51.5	50.6	49.6	48.5	47.5	46.4	45.1	43.7	42.2	40.7	39.2
-57.5°	49.4	48.4	47.5	46.5	45.4	44.0	42.7	41.3	39.9	38.5	37.4
-58.75°	47.2	46.3	45.2	44.0	42.8	41.5	40.2	38.9	37.8	36.7	35.6
-60°	44.8	43.7	42.5	41.4	40.2	39.0	38.0	37.0	35.9	34.9	33.8
-61.25°	41.9	40.9	39.8	38.7	37.9	36.9	36.0	35.0	34.0	33.0	31.9
-62.5°	39.1	38.3	37.5	36.6	35.8	34.9	34.0	33.1	32.0	30.9	29.8
-63.75°	36.8	36.1	35.3	34.5	33.7	32.8	31.8	30.9	29.9	28.8	27.8
-65°	34.6	33.9	33.1	32.3	31.4	30.5	29.6	28.7	27.7	26.9	26.4
-66.25°	32.2	31.4	30.7	29.9	29.0	28.2	27.3	26.7	26.2	25.8	25.3
-67.5°	29.7	28.9	28.2	27.4	26.8	26.4	26.0	25.6	25.1	24.7	24.2
-68.75°	27.1	26.7	26.4	26.0	25.6	25.2	24.8	24.4	24.0	23.6	23.2
-70°	25.7	25.4	25.1	24.8	24.4	24.0	23.7	23.3	22.9	22.5	22.1
-71.25°	24.4	24.1	23.8	23.5	23.2	22.8	22.5	22.1	21.8	21.4	21.0
-72.5°	23.1	22.9	22.6	22.3	22.0	21.6	21.3	21.0	20.7	20.3	20.0
-73.75°	21.8	21.6	21.3	21.0	20.7	20.4	20.1	19.8	19.5	19.2	18.9
-75°	20.5	20.3	20.0	19.8	19.5	19.2	19.0	18.7	18.4	18.1	17.8
-76.25°	19.2	19.0	18.7	18.5	18.3	18.0	17.8	17.5	17.2	16.9	16.6
-77.5°	17.9	17.7	17.5	17.2	17.0	16.7	16.4	16.1	15.8	15.5	15.2



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	16.4	16.1	15.9	15.7	15.5	15.2	15.0	14.7	14.4	14.2	13.9
-80°	14.8	14.6	14.4	14.2	13.9	13.7	13.5	13.2	12.9	12.6	12.3
-81.25°	13.1	12.8	12.6	12.4	12.2	11.9	11.7	11.5	11.2	11.0	10.7
-82.5°	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.0
-83.75°	9.1	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.8	7.6	7.4
-85°	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9	5.8
-86.25°	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-87.5°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
-88.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
87.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
86.25°	4.1	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.1	3.0
85°	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.3	4.2	4.0
83.75°	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2
82.5°	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.1	6.9	6.6	6.3
81.25°	10.4	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.5
80°	12.0	11.7	11.4	11.1	10.8	10.4	10.1	9.7	9.4	9.0	8.7
78.75°	13.6	13.3	12.9	12.6	12.2	11.8	11.4	11.0	10.7	10.3	9.8
77.5°	14.9	14.6	14.3	13.9	13.6	13.2	12.8	12.4	11.9	11.5	11.0
76.25°	16.2	15.9	15.5	15.1	14.8	14.4	14.0	13.6	13.2	12.7	12.2
75°	17.5	17.1	16.7	16.3	15.9	15.5	15.1	14.7	14.3	13.8	13.4
73.75°	18.5	18.2	17.9	17.5	17.1	16.7	16.2	15.8	15.3	14.8	14.3
72.5°	19.6	19.2	18.9	18.5	18.1	17.7	17.3	16.8	16.3	15.8	15.3
71.25°	20.7	20.3	19.9	19.5	19.0	18.6	18.2	17.8	17.3	16.8	16.2
70°	21.7	21.3	20.9	20.4	20.0	19.5	19.1	18.6	18.2	17.7	17.2
68.75°	22.7	22.3	21.8	21.4	20.9	20.4	20.0	19.5	19.0	18.5	18.0
67.5°	23.8	23.3	22.8	22.3	21.8	21.3	20.8	20.3	19.8	19.3	18.7
66.25°	24.8	24.3	23.8	23.3	22.8	22.2	21.7	21.1	20.6	20.0	19.5
65°	25.8	25.3	24.8	24.2	23.7	23.1	22.6	22.0	21.4	20.8	20.2
63.75°	26.9	26.3	25.7	25.2	24.6	24.0	23.4	22.8	22.2	21.6	21.0
62.5°	28.7	27.6	26.7	26.1	25.5	24.9	24.3	23.6	23.0	22.3	21.7
61.25°	30.7	29.5	28.3	27.1	26.4	25.8	25.1	24.4	23.8	23.1	22.4
60°	32.7	31.4	30.1	28.9	27.6	26.6	25.9	25.2	24.5	23.8	23.1
58.75°	34.5	33.3	32.0	30.6	29.3	27.9	26.8	26.0	25.3	24.6	23.8
57.5°	36.2	35.0	33.8	32.4	31.0	29.6	28.1	26.8	26.1	25.3	24.5
56.25°	37.9	36.6	35.4	34.1	32.7	31.2	29.7	28.2	26.8	26.0	25.2
55°	39.7	38.3	37.0	35.6	34.3	32.9	31.3	29.7	28.1	26.8	25.9
53.75°	41.9	40.2	38.5	37.2	35.8	34.3	32.9	31.2	29.6	27.9	26.6
52.5°	44.0	42.2	40.4	38.7	37.2	35.8	34.3	32.7	31.0	29.3	27.6
51.25°	46.0	44.2	42.4	40.5	38.7	37.2	35.6	34.1	32.4	30.6	28.9
50°	47.6	46.2	44.3	42.4	40.4	38.5	37.0	35.4	33.8	32.0	30.1
48.75°	49.2	47.7	46.2	44.2	42.2	40.2	38.3	36.6	35.0	33.3	31.4
47.5°	50.7	49.2	47.6	46.0	44.0	41.9	39.7	37.9	36.2	34.5	32.7
46.25°	52.2	50.7	49.1	47.4	45.7	43.5	41.4	39.2	37.4	35.6	33.8
45°	53.5	52.1	50.5	48.8	47.1	45.2	43.0	40.7	38.5	36.7	34.9
43.75°	54.8	53.3	51.8	50.1	48.4	46.6	44.5	42.2	39.9	37.8	35.9
42.5°	56.1	54.5	53.0	51.5	49.7	47.9	46.0	43.7	41.3	38.9	37.0
41.25°	57.0	55.8	54.2	52.6	50.9	49.1	47.2	45.1	42.7	40.2	38.0
40°	57.8	56.7	55.3	53.7	52.1	50.3	48.3	46.4	44.0	41.5	39.0
38.75°	58.6	57.5	56.4	54.8	53.1	51.4	49.5	47.5	45.4	42.8	40.2
37.5°	59.4	58.3	57.1	55.9	54.1	52.4	50.5	48.5	46.5	44.0	41.4
36.25°	60.3	59.0	57.9	56.7	55.2	53.4	51.6	49.6	47.5	45.2	42.5
35°	61.2	59.8	58.6	57.4	56.1	54.3	52.5	50.6	48.4	46.3	43.7



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	62.1	60.7	59.3	58.0	56.8	55.2	53.4	51.5	49.4	47.2	44.8
32.5°	63.0	61.5	60.0	58.7	57.4	56.1	54.2	52.3	50.3	48.1	45.8
31.25°	63.8	62.3	60.8	59.3	58.0	56.8	55.1	53.1	51.2	48.9	46.7
30°	64.4	63.1	61.6	60.0	58.6	57.3	55.9	53.9	51.9	49.7	47.4
28.75°	65.1	63.8	62.3	60.7	59.2	57.9	56.5	54.7	52.7	50.5	48.2
27.5°	65.7	64.4	63.0	61.4	59.8	58.4	57.0	55.4	53.3	51.3	48.9
26.25°	66.3	65.0	63.7	62.1	60.4	58.9	57.5	56.1	54.0	51.9	49.6
25°	66.9	65.6	64.2	62.7	61.0	59.4	58.0	56.6	54.7	52.5	50.3
23.75°	67.5	66.1	64.7	63.3	61.6	59.9	58.4	57.0	55.3	53.1	50.9
22.5°	68.0	66.6	65.2	63.8	62.2	60.5	58.9	57.4	55.8	53.7	51.5
21.25°	68.6	67.1	65.7	64.3	62.7	61.0	59.3	57.8	56.4	54.2	52.0
20°	69.0	67.6	66.2	64.7	63.2	61.5	59.7	58.2	56.7	54.7	52.5
18.75°	69.5	68.1	66.6	65.1	63.7	61.9	60.1	58.5	57.0	55.2	53.0
17.5°	70.1	68.5	67.0	65.5	64.0	62.4	60.5	58.9	57.4	55.6	53.4
16.25°	70.9	68.9	67.4	65.9	64.4	62.8	60.9	59.2	57.6	56.1	53.8
15°	71.7	69.2	67.7	66.2	64.7	63.1	61.3	59.4	57.9	56.4	54.1
13.75°	72.4	69.6	68.1	66.5	65.0	63.5	61.6	59.7	58.2	56.6	54.5
12.5°	73.0	70.0	68.4	66.8	65.3	63.7	61.9	60.0	58.4	56.8	54.8
11.25°	73.6	70.5	68.6	67.1	65.5	64.0	62.2	60.3	58.6	57.0	55.1
10°	74.1	71.0	68.9	67.3	65.7	64.2	62.5	60.5	58.8	57.2	55.3
8.75°	74.6	71.5	69.1	67.5	65.9	64.4	62.7	60.8	59.0	57.4	55.6
7.5°	75.0	71.9	69.3	67.7	66.1	64.5	62.9	60.9	59.1	57.5	55.8
6.25°	75.3	72.2	69.4	67.9	66.3	64.7	63.0	61.1	59.2	57.6	55.9
5°	75.6	72.5	69.6	68.0	66.4	64.8	63.2	61.2	59.3	57.7	56.1
3.75°	75.8	72.7	69.7	68.1	66.5	64.9	63.3	61.3	59.4	57.8	56.2
2.5°	76.0	72.8	69.7	68.1	66.5	64.9	63.3	61.4	59.5	57.9	56.2
1.25°	76.1	72.9	69.8	68.2	66.6	65.0	63.4	61.4	59.5	57.9	56.3
0°	76.1	73.0	69.8	68.2	66.6	65.0	63.4	61.5	59.5	57.9	56.3
-1.25°	76.1	72.9	69.8	68.2	66.6	65.0	63.4	61.4	59.5	57.9	56.3
-2.5°	76.0	72.8	69.7	68.1	66.5	64.9	63.3	61.4	59.5	57.9	56.2
-3.75°	75.8	72.7	69.7	68.1	66.5	64.9	63.3	61.3	59.4	57.8	56.2
-5°	75.6	72.5	69.6	68.0	66.4	64.8	63.2	61.2	59.3	57.7	56.1
-6.25°	75.3	72.2	69.4	67.9	66.3	64.7	63.0	61.1	59.2	57.6	55.9
-7.5°	75.0	71.9	69.3	67.7	66.1	64.5	62.9	60.9	59.1	57.5	55.8
-8.75°	74.6	71.5	69.1	67.5	65.9	64.4	62.7	60.8	59.0	57.4	55.6
-10°	74.1	71.0	68.9	67.3	65.7	64.2	62.5	60.5	58.8	57.2	55.3
-11.25°	73.6	70.5	68.6	67.1	65.5	64.0	62.2	60.3	58.6	57.0	55.1
-12.5°	73.0	70.0	68.4	66.8	65.3	63.7	61.9	60.0	58.4	56.8	54.8
-13.75°	72.4	69.6	68.1	66.5	65.0	63.5	61.6	59.7	58.2	56.6	54.5
-15°	71.7	69.2	67.7	66.2	64.7	63.1	61.3	59.4	57.9	56.4	54.1
-16.25°	70.9	68.9	67.4	65.9	64.4	62.8	60.9	59.2	57.6	56.1	53.8
-17.5°	70.1	68.5	67.0	65.5	64.0	62.4	60.5	58.9	57.4	55.6	53.4
-18.75°	69.5	68.1	66.6	65.1	63.7	61.9	60.1	58.5	57.0	55.2	53.0
-20°	69.0	67.6	66.2	64.7	63.2	61.5	59.7	58.2	56.7	54.7	52.5
-21.25°	68.6	67.1	65.7	64.3	62.7	61.0	59.3	57.8	56.4	54.2	52.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	68.0	66.6	65.2	63.8	62.2	60.5	58.9	57.4	55.8	53.7	51.5
-23.75°	67.5	66.1	64.7	63.3	61.6	59.9	58.4	57.0	55.3	53.1	50.9
-25°	66.9	65.6	64.2	62.7	61.0	59.4	58.0	56.6	54.7	52.5	50.3
-26.25°	66.3	65.0	63.7	62.1	60.4	58.9	57.5	56.1	54.0	51.9	49.6
-27.5°	65.7	64.4	63.0	61.4	59.8	58.4	57.0	55.4	53.3	51.3	48.9
-28.75°	65.1	63.8	62.3	60.7	59.2	57.9	56.5	54.7	52.7	50.5	48.2
-30°	64.4	63.1	61.6	60.0	58.6	57.3	55.9	53.9	51.9	49.7	47.4
-31.25°	63.8	62.3	60.8	59.3	58.0	56.8	55.1	53.1	51.2	48.9	46.7
-32.5°	63.0	61.5	60.0	58.7	57.4	56.1	54.2	52.3	50.3	48.1	45.8
-33.75°	62.1	60.7	59.3	58.0	56.8	55.2	53.4	51.5	49.4	47.2	44.8
-35°	61.2	59.8	58.6	57.4	56.1	54.3	52.5	50.6	48.4	46.3	43.7
-36.25°	60.3	59.0	57.9	56.7	55.2	53.4	51.6	49.6	47.5	45.2	42.5
-37.5°	59.4	58.3	57.1	55.9	54.1	52.4	50.5	48.5	46.5	44.0	41.4
-38.75°	58.6	57.5	56.4	54.8	53.1	51.4	49.5	47.5	45.4	42.8	40.2
-40°	57.8	56.7	55.3	53.7	52.1	50.3	48.3	46.4	44.0	41.5	39.0
-41.25°	57.0	55.8	54.2	52.6	50.9	49.1	47.2	45.1	42.7	40.2	38.0
-42.5°	56.1	54.5	53.0	51.5	49.7	47.9	46.0	43.7	41.3	38.9	37.0
-43.75°	54.8	53.3	51.8	50.1	48.4	46.6	44.5	42.2	39.9	37.8	35.9
-45°	53.5	52.1	50.5	48.8	47.1	45.2	43.0	40.7	38.5	36.7	34.9
-46.25°	52.2	50.7	49.1	47.4	45.7	43.5	41.4	39.2	37.4	35.6	33.8
-47.5°	50.7	49.2	47.6	46.0	44.0	41.9	39.7	37.9	36.2	34.5	32.7
-48.75°	49.2	47.7	46.2	44.2	42.2	40.2	38.3	36.6	35.0	33.3	31.4
-50°	47.6	46.2	44.3	42.4	40.4	38.5	37.0	35.4	33.8	32.0	30.1
-51.25°	46.0	44.2	42.4	40.5	38.7	37.2	35.6	34.1	32.4	30.6	28.9
-52.5°	44.0	42.2	40.4	38.7	37.2	35.8	34.3	32.7	31.0	29.3	27.6
-53.75°	41.9	40.2	38.5	37.2	35.8	34.3	32.9	31.2	29.6	27.9	26.6
-55°	39.7	38.3	37.0	35.6	34.3	32.9	31.3	29.7	28.1	26.8	25.9
-56.25°	37.9	36.6	35.4	34.1	32.7	31.2	29.7	28.2	26.8	26.0	25.2
-57.5°	36.2	35.0	33.8	32.4	31.0	29.6	28.1	26.8	26.1	25.3	24.5
-58.75°	34.5	33.3	32.0	30.6	29.3	27.9	26.8	26.0	25.3	24.6	23.8
-60°	32.7	31.4	30.1	28.9	27.6	26.6	25.9	25.2	24.5	23.8	23.1
-61.25°	30.7	29.5	28.3	27.1	26.4	25.8	25.1	24.4	23.8	23.1	22.4
-62.5°	28.7	27.6	26.7	26.1	25.5	24.9	24.3	23.6	23.0	22.3	21.7
-63.75°	26.9	26.3	25.7	25.2	24.6	24.0	23.4	22.8	22.2	21.6	21.0
-65°	25.8	25.3	24.8	24.2	23.7	23.1	22.6	22.0	21.4	20.8	20.2
-66.25°	24.8	24.3	23.8	23.3	22.8	22.2	21.7	21.1	20.6	20.0	19.5
-67.5°	23.8	23.3	22.8	22.3	21.8	21.3	20.8	20.3	19.8	19.3	18.7
-68.75°	22.7	22.3	21.8	21.4	20.9	20.4	20.0	19.5	19.0	18.5	18.0
-70°	21.7	21.3	20.9	20.4	20.0	19.5	19.1	18.6	18.2	17.7	17.2
-71.25°	20.7	20.3	19.9	19.5	19.0	18.6	18.2	17.8	17.3	16.8	16.2
-72.5°	19.6	19.2	18.9	18.5	18.1	17.7	17.3	16.8	16.3	15.8	15.3
-73.75°	18.5	18.2	17.9	17.5	17.1	16.7	16.2	15.8	15.3	14.8	14.3
-75°	17.5	17.1	16.7	16.3	15.9	15.5	15.1	14.7	14.3	13.8	13.4
-76.25°	16.2	15.9	15.5	15.1	14.8	14.4	14.0	13.6	13.2	12.7	12.2
-77.5°	14.9	14.6	14.3	13.9	13.6	13.2	12.8	12.4	11.9	11.5	11.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	13.6	13.3	12.9	12.6	12.2	11.8	11.4	11.0	10.7	10.3	9.8
-80°	12.0	11.7	11.4	11.1	10.8	10.4	10.1	9.7	9.4	9.0	8.7
-81.25°	10.4	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.5
-82.5°	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.1	6.9	6.6	6.3
-83.75°	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2
-85°	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.3	4.2	4.0
-86.25°	4.1	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.1	3.0
-87.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
-88.75°	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	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: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
87.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
86.25°	2.9	2.8	2.7	2.5	2.4	2.3	2.2	2.1	1.9	1.8	1.7
85°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
83.75°	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8
82.5°	6.1	5.8	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.6	3.3
81.25°	7.2	6.9	6.6	6.2	5.9	5.6	5.2	4.9	4.6	4.2	3.9
80°	8.3	7.9	7.6	7.2	6.8	6.5	6.1	5.7	5.3	4.9	4.5
78.75°	9.4	9.0	8.6	8.2	7.8	7.3	6.9	6.5	6.1	5.6	5.2
77.5°	10.6	10.1	9.6	9.2	8.7	8.2	7.8	7.3	6.8	6.3	5.8
76.25°	11.7	11.2	10.7	10.2	9.6	9.1	8.6	8.1	7.5	7.0	6.5
75°	12.8	12.3	11.7	11.2	10.6	10.0	9.4	8.9	8.3	7.7	7.1
73.75°	13.9	13.4	12.8	12.1	11.5	10.9	10.3	9.6	9.0	8.4	7.7
72.5°	14.8	14.3	13.7	13.1	12.5	11.8	11.1	10.4	9.7	9.1	8.4
71.25°	15.7	15.1	14.6	14.0	13.4	12.7	11.9	11.2	10.5	9.7	9.0
70°	16.6	16.0	15.4	14.8	14.2	13.5	12.8	12.0	11.2	10.4	9.6
68.75°	17.5	16.8	16.2	15.5	14.9	14.2	13.6	12.8	11.9	11.1	10.3
67.5°	18.2	17.6	17.0	16.3	15.6	14.9	14.2	13.5	12.7	11.8	10.9
66.25°	18.9	18.3	17.7	17.1	16.4	15.6	14.9	14.2	13.4	12.5	11.5
65°	19.6	19.0	18.4	17.8	17.1	16.3	15.5	14.8	14.0	13.1	12.1
63.75°	20.3	19.7	19.0	18.4	17.7	17.0	16.2	15.4	14.6	13.7	12.8
62.5°	21.0	20.4	19.7	19.0	18.3	17.6	16.8	16.0	15.1	14.3	13.4
61.25°	21.7	21.0	20.3	19.6	18.9	18.2	17.5	16.6	15.7	14.8	13.9
60°	22.4	21.7	21.0	20.2	19.5	18.7	18.0	17.2	16.2	15.3	14.3
58.75°	23.1	22.3	21.6	20.8	20.0	19.3	18.5	17.7	16.8	15.8	14.8
57.5°	23.8	23.0	22.2	21.4	20.6	19.8	19.0	18.2	17.3	16.3	15.3
56.25°	24.4	23.6	22.8	22.0	21.1	20.3	19.5	18.6	17.8	16.8	15.8
55°	25.1	24.3	23.4	22.6	21.7	20.8	20.0	19.1	18.2	17.3	16.2
53.75°	25.8	24.9	24.0	23.1	22.2	21.3	20.4	19.5	18.6	17.7	16.7
52.5°	26.4	25.5	24.6	23.7	22.8	21.8	20.9	20.0	19.0	18.1	17.1
51.25°	27.1	26.1	25.2	24.2	23.3	22.3	21.4	20.4	19.5	18.5	17.5
50°	28.3	26.7	25.7	24.8	23.8	22.8	21.8	20.9	19.9	18.9	17.9
48.75°	29.5	27.6	26.3	25.3	24.3	23.3	22.3	21.3	20.3	19.2	18.2
47.5°	30.7	28.7	26.9	25.8	24.8	23.8	22.7	21.7	20.7	19.6	18.5
46.25°	31.9	29.8	27.8	26.4	25.3	24.2	23.2	22.1	21.0	20.0	18.9
45°	33.0	30.9	28.8	26.9	25.8	24.7	23.6	22.5	21.4	20.3	19.2
43.75°	34.0	32.0	29.9	27.7	26.2	25.1	24.0	22.9	21.8	20.7	19.5
42.5°	35.0	33.1	30.9	28.7	26.7	25.6	24.4	23.3	22.1	21.0	19.8
41.25°	36.0	34.0	31.8	29.6	27.3	26.0	24.8	23.7	22.5	21.3	20.1
40°	36.9	34.9	32.8	30.5	28.2	26.4	25.2	24.0	22.8	21.6	20.4
38.75°	37.9	35.8	33.7	31.4	29.0	26.8	25.6	24.4	23.2	22.0	20.7
37.5°	38.7	36.6	34.5	32.3	29.9	27.4	26.0	24.8	23.5	22.3	21.0
36.25°	39.8	37.5	35.3	33.1	30.7	28.2	26.4	25.1	23.8	22.6	21.3
35°	40.9	38.3	36.1	33.9	31.4	28.9	26.7	25.4	24.1	22.9	21.6



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	41.9	39.1	36.8	34.6	32.2	29.7	27.1	25.7	24.4	23.1	21.8
32.5°	43.0	40.1	37.6	35.3	32.9	30.4	27.8	26.1	24.7	23.4	22.1
31.25°	44.0	41.0	38.3	35.9	33.6	31.0	28.4	26.4	25.0	23.7	22.3
30°	44.9	41.9	39.0	36.6	34.2	31.7	29.0	26.7	25.3	23.9	22.6
28.75°	45.8	42.8	39.8	37.2	34.8	32.3	29.6	26.9	25.6	24.2	22.8
27.5°	46.6	43.7	40.6	37.8	35.4	32.9	30.2	27.4	25.8	24.4	23.0
26.25°	47.2	44.5	41.4	38.4	35.9	33.5	30.7	27.9	26.0	24.6	23.2
25°	47.9	45.3	42.1	39.0	36.5	34.0	31.2	28.4	26.3	24.8	23.4
23.75°	48.5	46.0	42.8	39.6	37.0	34.4	31.7	28.9	26.5	25.0	23.6
22.5°	49.0	46.6	43.5	40.3	37.4	34.9	32.2	29.3	26.7	25.2	23.8
21.25°	49.6	47.1	44.1	40.9	37.9	35.3	32.7	29.7	26.9	25.4	24.0
20°	50.1	47.6	44.7	41.5	38.3	35.7	33.1	30.1	27.2	25.6	24.1
18.75°	50.6	48.0	45.3	42.0	38.7	36.1	33.5	30.5	27.6	25.8	24.3
17.5°	51.1	48.5	45.9	42.5	39.2	36.4	33.8	30.9	27.9	25.9	24.4
16.25°	51.5	48.9	46.3	43.0	39.6	36.8	34.1	31.2	28.2	26.1	24.5
15°	51.9	49.3	46.6	43.4	40.0	37.1	34.4	31.5	28.5	26.2	24.7
13.75°	52.2	49.6	47.0	43.8	40.4	37.4	34.7	31.8	28.7	26.3	24.8
12.5°	52.5	49.9	47.3	44.2	40.8	37.6	34.9	32.1	29.0	26.5	24.9
11.25°	52.7	50.2	47.6	44.5	41.1	37.9	35.1	32.3	29.2	26.6	25.0
10°	53.0	50.5	47.8	44.8	41.4	38.1	35.3	32.5	29.4	26.6	25.1
8.75°	53.2	50.7	48.0	45.1	41.6	38.3	35.5	32.7	29.6	26.7	25.2
7.5°	53.4	50.9	48.2	45.4	41.8	38.4	35.7	32.9	29.7	26.8	25.2
6.25°	53.5	51.1	48.4	45.5	42.0	38.6	35.8	33.0	29.9	26.9	25.3
5°	53.7	51.3	48.5	45.7	42.2	38.7	35.9	33.1	30.0	26.9	25.3
3.75°	53.8	51.4	48.6	45.8	42.3	38.8	36.0	33.2	30.0	27.0	25.4
2.5°	53.8	51.4	48.7	45.9	42.4	38.8	36.1	33.2	30.1	27.0	25.4
1.25°	53.9	51.5	48.7	46.0	42.4	38.9	36.1	33.3	30.1	27.0	25.4
0°	53.9	51.5	48.8	46.0	42.5	38.9	36.1	33.3	30.2	27.0	25.4
-1.25°	53.9	51.5	48.7	46.0	42.4	38.9	36.1	33.3	30.1	27.0	25.4
-2.5°	53.8	51.4	48.7	45.9	42.4	38.8	36.1	33.2	30.1	27.0	25.4
-3.75°	53.8	51.4	48.6	45.8	42.3	38.8	36.0	33.2	30.0	27.0	25.4
-5°	53.7	51.3	48.5	45.7	42.2	38.7	35.9	33.1	30.0	26.9	25.3
-6.25°	53.5	51.1	48.4	45.5	42.0	38.6	35.8	33.0	29.9	26.9	25.3
-7.5°	53.4	50.9	48.2	45.4	41.8	38.4	35.7	32.9	29.7	26.8	25.2
-8.75°	53.2	50.7	48.0	45.1	41.6	38.3	35.5	32.7	29.6	26.7	25.2
-10°	53.0	50.5	47.8	44.8	41.4	38.1	35.3	32.5	29.4	26.6	25.1
-11.25°	52.7	50.2	47.6	44.5	41.1	37.9	35.1	32.3	29.2	26.6	25.0
-12.5°	52.5	49.9	47.3	44.2	40.8	37.6	34.9	32.1	29.0	26.5	24.9
-13.75°	52.2	49.6	47.0	43.8	40.4	37.4	34.7	31.8	28.7	26.3	24.8
-15°	51.9	49.3	46.6	43.4	40.0	37.1	34.4	31.5	28.5	26.2	24.7
-16.25°	51.5	48.9	46.3	43.0	39.6	36.8	34.1	31.2	28.2	26.1	24.5
-17.5°	51.1	48.5	45.9	42.5	39.2	36.4	33.8	30.9	27.9	25.9	24.4
-18.75°	50.6	48.0	45.3	42.0	38.7	36.1	33.5	30.5	27.6	25.8	24.3
-20°	50.1	47.6	44.7	41.5	38.3	35.7	33.1	30.1	27.2	25.6	24.1
-21.25°	49.6	47.1	44.1	40.9	37.9	35.3	32.7	29.7	26.9	25.4	24.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	49.0	46.6	43.5	40.3	37.4	34.9	32.2	29.3	26.7	25.2	23.8
-23.75°	48.5	46.0	42.8	39.6	37.0	34.4	31.7	28.9	26.5	25.0	23.6
-25°	47.9	45.3	42.1	39.0	36.5	34.0	31.2	28.4	26.3	24.8	23.4
-26.25°	47.2	44.5	41.4	38.4	35.9	33.5	30.7	27.9	26.0	24.6	23.2
-27.5°	46.6	43.7	40.6	37.8	35.4	32.9	30.2	27.4	25.8	24.4	23.0
-28.75°	45.8	42.8	39.8	37.2	34.8	32.3	29.6	26.9	25.6	24.2	22.8
-30°	44.9	41.9	39.0	36.6	34.2	31.7	29.0	26.7	25.3	23.9	22.6
-31.25°	44.0	41.0	38.3	35.9	33.6	31.0	28.4	26.4	25.0	23.7	22.3
-32.5°	43.0	40.1	37.6	35.3	32.9	30.4	27.8	26.1	24.7	23.4	22.1
-33.75°	41.9	39.1	36.8	34.6	32.2	29.7	27.1	25.7	24.4	23.1	21.8
-35°	40.9	38.3	36.1	33.9	31.4	28.9	26.7	25.4	24.1	22.9	21.6
-36.25°	39.8	37.5	35.3	33.1	30.7	28.2	26.4	25.1	23.8	22.6	21.3
-37.5°	38.7	36.6	34.5	32.3	29.9	27.4	26.0	24.8	23.5	22.3	21.0
-38.75°	37.9	35.8	33.7	31.4	29.0	26.8	25.6	24.4	23.2	22.0	20.7
-40°	36.9	34.9	32.8	30.5	28.2	26.4	25.2	24.0	22.8	21.6	20.4
-41.25°	36.0	34.0	31.8	29.6	27.3	26.0	24.8	23.7	22.5	21.3	20.1
-42.5°	35.0	33.1	30.9	28.7	26.7	25.6	24.4	23.3	22.1	21.0	19.8
-43.75°	34.0	32.0	29.9	27.7	26.2	25.1	24.0	22.9	21.8	20.7	19.5
-45°	33.0	30.9	28.8	26.9	25.8	24.7	23.6	22.5	21.4	20.3	19.2
-46.25°	31.9	29.8	27.8	26.4	25.3	24.2	23.2	22.1	21.0	20.0	18.9
-47.5°	30.7	28.7	26.9	25.8	24.8	23.8	22.7	21.7	20.7	19.6	18.5
-48.75°	29.5	27.6	26.3	25.3	24.3	23.3	22.3	21.3	20.3	19.2	18.2
-50°	28.3	26.7	25.7	24.8	23.8	22.8	21.8	20.9	19.9	18.9	17.9
-51.25°	27.1	26.1	25.2	24.2	23.3	22.3	21.4	20.4	19.5	18.5	17.5
-52.5°	26.4	25.5	24.6	23.7	22.8	21.8	20.9	20.0	19.0	18.1	17.1
-53.75°	25.8	24.9	24.0	23.1	22.2	21.3	20.4	19.5	18.6	17.7	16.7
-55°	25.1	24.3	23.4	22.6	21.7	20.8	20.0	19.1	18.2	17.3	16.2
-56.25°	24.4	23.6	22.8	22.0	21.1	20.3	19.5	18.6	17.8	16.8	15.8
-57.5°	23.8	23.0	22.2	21.4	20.6	19.8	19.0	18.2	17.3	16.3	15.3
-58.75°	23.1	22.3	21.6	20.8	20.0	19.3	18.5	17.7	16.8	15.8	14.8
-60°	22.4	21.7	21.0	20.2	19.5	18.7	18.0	17.2	16.2	15.3	14.3
-61.25°	21.7	21.0	20.3	19.6	18.9	18.2	17.5	16.6	15.7	14.8	13.9
-62.5°	21.0	20.4	19.7	19.0	18.3	17.6	16.8	16.0	15.1	14.3	13.4
-63.75°	20.3	19.7	19.0	18.4	17.7	17.0	16.2	15.4	14.6	13.7	12.8
-65°	19.6	19.0	18.4	17.8	17.1	16.3	15.5	14.8	14.0	13.1	12.1
-66.25°	18.9	18.3	17.7	17.1	16.4	15.6	14.9	14.2	13.4	12.5	11.5
-67.5°	18.2	17.6	17.0	16.3	15.6	14.9	14.2	13.5	12.7	11.8	10.9
-68.75°	17.5	16.8	16.2	15.5	14.9	14.2	13.6	12.8	11.9	11.1	10.3
-70°	16.6	16.0	15.4	14.8	14.2	13.5	12.8	12.0	11.2	10.4	9.6
-71.25°	15.7	15.1	14.6	14.0	13.4	12.7	11.9	11.2	10.5	9.7	9.0
-72.5°	14.8	14.3	13.7	13.1	12.5	11.8	11.1	10.4	9.7	9.1	8.4
-73.75°	13.9	13.4	12.8	12.1	11.5	10.9	10.3	9.6	9.0	8.4	7.7
-75°	12.8	12.3	11.7	11.2	10.6	10.0	9.4	8.9	8.3	7.7	7.1
-76.25°	11.7	11.2	10.7	10.2	9.6	9.1	8.6	8.1	7.5	7.0	6.5
-77.5°	10.6	10.1	9.6	9.2	8.7	8.2	7.8	7.3	6.8	6.3	5.8



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	9.4	9.0	8.6	8.2	7.8	7.3	6.9	6.5	6.1	5.6	5.2
-80°	8.3	7.9	7.6	7.2	6.8	6.5	6.1	5.7	5.3	4.9	4.5
-81.25°	7.2	6.9	6.6	6.2	5.9	5.6	5.2	4.9	4.6	4.2	3.9
-82.5°	6.1	5.8	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.6	3.3
-83.75°	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8
-85°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
-86.25°	2.9	2.8	2.7	2.5	2.4	2.3	2.2	2.1	1.9	1.8	1.7
-87.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
-88.75°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
87.5°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
86.25°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
85°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
83.75°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
82.5°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
81.25°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
80°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
78.75°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
77.5°	5.3	4.8	4.3	3.9	3.4	3.0	2.6	2.2	1.7	1.3	0.9
76.25°	5.9	5.4	4.8	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.0
75°	6.5	5.9	5.3	4.7	4.1	3.6	3.1	2.6	2.1	1.6	1.0
73.75°	7.1	6.5	5.8	5.2	4.5	3.9	3.3	2.8	2.2	1.7	1.1
72.5°	7.7	7.0	6.3	5.6	4.9	4.2	3.6	3.0	2.4	1.8	1.2
71.25°	8.3	7.5	6.8	6.1	5.3	4.6	3.8	3.2	2.6	1.9	1.3
70°	8.9	8.1	7.3	6.5	5.7	4.9	4.1	3.4	2.7	2.1	1.4
68.75°	9.4	8.6	7.8	6.9	6.1	5.2	4.4	3.6	2.9	2.2	1.4
67.5°	10.0	9.1	8.2	7.3	6.5	5.6	4.7	3.8	3.1	2.3	1.5
66.25°	10.6	9.6	8.7	7.8	6.8	5.9	5.0	4.0	3.2	2.4	1.6
65°	11.2	10.2	9.2	8.2	7.2	6.2	5.2	4.3	3.4	2.5	1.7
63.75°	11.7	10.7	9.6	8.6	7.6	6.6	5.5	4.5	3.5	2.7	1.8
62.5°	12.3	11.2	10.1	9.0	7.9	6.9	5.8	4.7	3.7	2.8	1.8
61.25°	12.8	11.7	10.6	9.4	8.3	7.2	6.1	4.9	3.8	2.9	1.9
60°	13.4	12.2	11.0	9.8	8.7	7.5	6.3	5.2	4.0	3.0	2.0
58.75°	13.8	12.7	11.5	10.3	9.0	7.8	6.6	5.4	4.2	3.1	2.1
57.5°	14.3	13.2	11.9	10.7	9.4	8.1	6.9	5.6	4.3	3.2	2.1
56.25°	14.7	13.6	12.4	11.0	9.7	8.4	7.1	5.8	4.5	3.3	2.2
55°	15.1	14.0	12.8	11.4	10.1	8.7	7.4	6.0	4.7	3.4	2.3
53.75°	15.5	14.4	13.2	11.8	10.4	9.0	7.6	6.2	4.9	3.5	2.4
52.5°	15.9	14.8	13.6	12.2	10.8	9.3	7.9	6.4	5.0	3.7	2.4
51.25°	16.3	15.1	13.9	12.6	11.1	9.6	8.1	6.6	5.2	3.8	2.5
50°	16.7	15.5	14.3	12.9	11.4	9.9	8.3	6.8	5.3	3.9	2.6
48.75°	17.1	15.9	14.6	13.3	11.7	10.2	8.6	7.0	5.5	4.0	2.6
47.5°	17.5	16.2	14.9	13.6	12.0	10.4	8.8	7.2	5.6	4.1	2.7
46.25°	17.8	16.6	15.2	13.9	12.3	10.7	9.0	7.4	5.8	4.2	2.8
45°	18.1	16.9	15.5	14.2	12.6	11.0	9.3	7.6	5.9	4.3	2.8
43.75°	18.4	17.2	15.8	14.4	12.9	11.2	9.5	7.8	6.1	4.4	2.9
42.5°	18.7	17.5	16.1	14.7	13.2	11.5	9.7	8.0	6.2	4.5	2.9
41.25°	19.0	17.8	16.4	15.0	13.5	11.7	9.9	8.1	6.4	4.6	3.0
40°	19.2	18.0	16.7	15.2	13.7	11.9	10.1	8.3	6.5	4.7	3.1
38.75°	19.5	18.3	17.0	15.5	13.9	12.2	10.3	8.5	6.6	4.8	3.1
37.5°	19.8	18.5	17.2	15.7	14.2	12.4	10.5	8.6	6.8	4.9	3.2
36.25°	20.0	18.7	17.5	15.9	14.4	12.6	10.7	8.8	6.9	5.0	3.2
35°	20.3	19.0	17.7	16.1	14.6	12.8	10.9	8.9	7.0	5.1	3.3



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°
33.75°	20.5	19.2	17.9	16.4	14.8	13.1	11.1	9.1	7.1	5.2	3.3
32.5°	20.7	19.4	18.1	16.6	14.9	13.3	11.2	9.2	7.2	5.2	3.4
31.25°	21.0	19.6	18.2	16.8	15.1	13.4	11.4	9.4	7.3	5.3	3.4
30°	21.2	19.8	18.4	17.0	15.3	13.6	11.6	9.5	7.4	5.4	3.5
28.75°	21.4	20.0	18.6	17.2	15.5	13.8	11.7	9.6	7.5	5.5	3.5
27.5°	21.6	20.2	18.8	17.3	15.6	13.9	11.9	9.7	7.6	5.6	3.5
26.25°	21.8	20.4	18.9	17.5	15.8	14.0	12.0	9.9	7.7	5.6	3.6
25°	22.0	20.5	19.1	17.6	15.9	14.2	12.1	10.0	7.8	5.7	3.6
23.75°	22.1	20.7	19.2	17.8	16.1	14.3	12.3	10.1	7.9	5.8	3.7
22.5°	22.3	20.8	19.4	17.9	16.2	14.4	12.4	10.2	8.0	5.8	3.7
21.25°	22.5	21.0	19.5	18.0	16.3	14.5	12.5	10.3	8.1	5.9	3.7
20°	22.6	21.1	19.6	18.1	16.5	14.6	12.6	10.4	8.1	5.9	3.8
18.75°	22.8	21.2	19.7	18.2	16.6	14.7	12.7	10.5	8.2	6.0	3.8
17.5°	22.9	21.4	19.8	18.3	16.7	14.8	12.8	10.5	8.3	6.0	3.8
16.25°	23.0	21.5	20.0	18.4	16.8	14.9	12.9	10.6	8.3	6.1	3.8
15°	23.1	21.6	20.0	18.5	16.9	15.0	13.0	10.7	8.4	6.1	3.9
13.75°	23.2	21.7	20.1	18.6	16.9	15.1	13.1	10.8	8.4	6.1	3.9
12.5°	23.3	21.8	20.2	18.7	17.0	15.1	13.2	10.8	8.5	6.2	3.9
11.25°	23.4	21.9	20.3	18.7	17.1	15.2	13.2	10.9	8.5	6.2	3.9
10°	23.5	21.9	20.4	18.8	17.2	15.2	13.3	10.9	8.6	6.2	3.9
8.75°	23.6	22.0	20.4	18.8	17.2	15.3	13.3	11.0	8.6	6.3	4.0
7.5°	23.6	22.0	20.5	18.9	17.3	15.3	13.4	11.0	8.6	6.3	4.0
6.25°	23.7	22.1	20.5	18.9	17.3	15.4	13.4	11.0	8.6	6.3	4.0
5°	23.7	22.1	20.5	18.9	17.3	15.4	13.4	11.1	8.7	6.3	4.0
3.75°	23.8	22.2	20.6	19.0	17.4	15.4	13.5	11.1	8.7	6.3	4.0
2.5°	23.8	22.2	20.6	19.0	17.4	15.4	13.5	11.1	8.7	6.3	4.0
1.25°	23.8	22.2	20.6	19.0	17.4	15.4	13.5	11.1	8.7	6.3	4.0
0°	23.8	22.2	20.6	19.0	17.4	15.5	13.5	11.1	8.7	6.4	4.0
-1.25°	23.8	22.2	20.6	19.0	17.4	15.4	13.5	11.1	8.7	6.3	4.0
-2.5°	23.8	22.2	20.6	19.0	17.4	15.4	13.5	11.1	8.7	6.3	4.0
-3.75°	23.8	22.2	20.6	19.0	17.4	15.4	13.5	11.1	8.7	6.3	4.0
-5°	23.7	22.1	20.5	18.9	17.3	15.4	13.4	11.1	8.7	6.3	4.0
-6.25°	23.7	22.1	20.5	18.9	17.3	15.4	13.4	11.0	8.6	6.3	4.0
-7.5°	23.6	22.0	20.5	18.9	17.3	15.3	13.4	11.0	8.6	6.3	4.0
-8.75°	23.6	22.0	20.4	18.8	17.2	15.3	13.3	11.0	8.6	6.3	4.0
-10°	23.5	21.9	20.4	18.8	17.2	15.2	13.3	10.9	8.6	6.2	3.9
-11.25°	23.4	21.9	20.3	18.7	17.1	15.2	13.2	10.9	8.5	6.2	3.9
-12.5°	23.3	21.8	20.2	18.7	17.0	15.1	13.2	10.8	8.5	6.2	3.9
-13.75°	23.2	21.7	20.1	18.6	16.9	15.1	13.1	10.8	8.4	6.1	3.9
-15°	23.1	21.6	20.0	18.5	16.9	15.0	13.0	10.7	8.4	6.1	3.9
-16.25°	23.0	21.5	20.0	18.4	16.8	14.9	12.9	10.6	8.3	6.1	3.8
-17.5°	22.9	21.4	19.8	18.3	16.7	14.8	12.8	10.5	8.3	6.0	3.8
-18.75°	22.8	21.2	19.7	18.2	16.6	14.7	12.7	10.5	8.2	6.0	3.8
-20°	22.6	21.1	19.6	18.1	16.5	14.6	12.6	10.4	8.1	5.9	3.8
-21.25°	22.5	21.0	19.5	18.0	16.3	14.5	12.5	10.3	8.1	5.9	3.7



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°
-22.5°	22.3	20.8	19.4	17.9	16.2	14.4	12.4	10.2	8.0	5.8	3.7
-23.75°	22.1	20.7	19.2	17.8	16.1	14.3	12.3	10.1	7.9	5.8	3.7
-25°	22.0	20.5	19.1	17.6	15.9	14.2	12.1	10.0	7.8	5.7	3.6
-26.25°	21.8	20.4	18.9	17.5	15.8	14.0	12.0	9.9	7.7	5.6	3.6
-27.5°	21.6	20.2	18.8	17.3	15.6	13.9	11.9	9.7	7.6	5.6	3.5
-28.75°	21.4	20.0	18.6	17.2	15.5	13.8	11.7	9.6	7.5	5.5	3.5
-30°	21.2	19.8	18.4	17.0	15.3	13.6	11.6	9.5	7.4	5.4	3.5
-31.25°	21.0	19.6	18.2	16.8	15.1	13.4	11.4	9.4	7.3	5.3	3.4
-32.5°	20.7	19.4	18.1	16.6	14.9	13.3	11.2	9.2	7.2	5.2	3.4
-33.75°	20.5	19.2	17.9	16.4	14.8	13.1	11.1	9.1	7.1	5.2	3.3
-35°	20.3	19.0	17.7	16.1	14.6	12.8	10.9	8.9	7.0	5.1	3.3
-36.25°	20.0	18.7	17.5	15.9	14.4	12.6	10.7	8.8	6.9	5.0	3.2
-37.5°	19.8	18.5	17.2	15.7	14.2	12.4	10.5	8.6	6.8	4.9	3.2
-38.75°	19.5	18.3	17.0	15.5	13.9	12.2	10.3	8.5	6.6	4.8	3.1
-40°	19.2	18.0	16.7	15.2	13.7	11.9	10.1	8.3	6.5	4.7	3.1
-41.25°	19.0	17.8	16.4	15.0	13.5	11.7	9.9	8.1	6.4	4.6	3.0
-42.5°	18.7	17.5	16.1	14.7	13.2	11.5	9.7	8.0	6.2	4.5	2.9
-43.75°	18.4	17.2	15.8	14.4	12.9	11.2	9.5	7.8	6.1	4.4	2.9
-45°	18.1	16.9	15.5	14.2	12.6	11.0	9.3	7.6	5.9	4.3	2.8
-46.25°	17.8	16.6	15.2	13.9	12.3	10.7	9.0	7.4	5.8	4.2	2.8
-47.5°	17.5	16.2	14.9	13.6	12.0	10.4	8.8	7.2	5.6	4.1	2.7
-48.75°	17.1	15.9	14.6	13.3	11.7	10.2	8.6	7.0	5.5	4.0	2.6
-50°	16.7	15.5	14.3	12.9	11.4	9.9	8.3	6.8	5.3	3.9	2.6
-51.25°	16.3	15.1	13.9	12.6	11.1	9.6	8.1	6.6	5.2	3.8	2.5
-52.5°	15.9	14.8	13.6	12.2	10.8	9.3	7.9	6.4	5.0	3.7	2.4
-53.75°	15.5	14.4	13.2	11.8	10.4	9.0	7.6	6.2	4.9	3.5	2.4
-55°	15.1	14.0	12.8	11.4	10.1	8.7	7.4	6.0	4.7	3.4	2.3
-56.25°	14.7	13.6	12.4	11.0	9.7	8.4	7.1	5.8	4.5	3.3	2.2
-57.5°	14.3	13.2	11.9	10.7	9.4	8.1	6.9	5.6	4.3	3.2	2.1
-58.75°	13.8	12.7	11.5	10.3	9.0	7.8	6.6	5.4	4.2	3.1	2.1
-60°	13.4	12.2	11.0	9.8	8.7	7.5	6.3	5.2	4.0	3.0	2.0
-61.25°	12.8	11.7	10.6	9.4	8.3	7.2	6.1	4.9	3.8	2.9	1.9
-62.5°	12.3	11.2	10.1	9.0	7.9	6.9	5.8	4.7	3.7	2.8	1.8
-63.75°	11.7	10.7	9.6	8.6	7.6	6.6	5.5	4.5	3.5	2.7	1.8
-65°	11.2	10.2	9.2	8.2	7.2	6.2	5.2	4.3	3.4	2.5	1.7
-66.25°	10.6	9.6	8.7	7.8	6.8	5.9	5.0	4.0	3.2	2.4	1.6
-67.5°	10.0	9.1	8.2	7.3	6.5	5.6	4.7	3.8	3.1	2.3	1.5
-68.75°	9.4	8.6	7.8	6.9	6.1	5.2	4.4	3.6	2.9	2.2	1.4
-70°	8.9	8.1	7.3	6.5	5.7	4.9	4.1	3.4	2.7	2.1	1.4
-71.25°	8.3	7.5	6.8	6.1	5.3	4.6	3.8	3.2	2.6	1.9	1.3
-72.5°	7.7	7.0	6.3	5.6	4.9	4.2	3.6	3.0	2.4	1.8	1.2
-73.75°	7.1	6.5	5.8	5.2	4.5	3.9	3.3	2.8	2.2	1.7	1.1
-75°	6.5	5.9	5.3	4.7	4.1	3.6	3.1	2.6	2.1	1.6	1.0
-76.25°	5.9	5.4	4.8	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.0
-77.5°	5.3	4.8	4.3	3.9	3.4	3.0	2.6	2.2	1.7	1.3	0.9



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°
-78.75°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
-80°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-81.25°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-82.5°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-83.75°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
-85°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
-86.25°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-87.5°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
-88.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-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°	0.2	0.0
83.75°	0.2	0.0
82.5°	0.3	0.0
81.25°	0.3	0.0
80°	0.3	0.0
78.75°	0.4	0.0
77.5°	0.4	0.0
76.25°	0.5	0.0
75°	0.5	0.0
73.75°	0.6	0.0
72.5°	0.6	0.0
71.25°	0.6	0.0
70°	0.7	0.0
68.75°	0.7	0.0
67.5°	0.8	0.0
66.25°	0.8	0.0
65°	0.8	0.0
63.75°	0.9	0.0
62.5°	0.9	0.0
61.25°	1.0	0.0
60°	1.0	0.0
58.75°	1.0	0.0
57.5°	1.1	0.0
56.25°	1.1	0.0
55°	1.1	0.0
53.75°	1.2	0.0
52.5°	1.2	0.0
51.25°	1.3	0.0
50°	1.3	0.0
48.75°	1.3	0.0
47.5°	1.4	0.0
46.25°	1.4	0.0
45°	1.4	0.0
43.75°	1.4	0.0
42.5°	1.5	0.0
41.25°	1.5	0.0
40°	1.5	0.0
38.75°	1.6	0.0
37.5°	1.6	0.0
36.25°	1.6	0.0
35°	1.6	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	1.7	0.0
32.5°	1.7	0.0
31.25°	1.7	0.0
30°	1.7	0.0
28.75°	1.8	0.0
27.5°	1.8	0.0
26.25°	1.8	0.0
25°	1.8	0.0
23.75°	1.8	0.0
22.5°	1.8	0.0
21.25°	1.9	0.0
20°	1.9	0.0
18.75°	1.9	0.0
17.5°	1.9	0.0
16.25°	1.9	0.0
15°	1.9	0.0
13.75°	1.9	0.0
12.5°	2.0	0.0
11.25°	2.0	0.0
10°	2.0	0.0
8.75°	2.0	0.0
7.5°	2.0	0.0
6.25°	2.0	0.0
5°	2.0	0.0
3.75°	2.0	0.0
2.5°	2.0	0.0
1.25°	2.0	0.0
0°	2.0	0.0
-1.25°	2.0	0.0
-2.5°	2.0	0.0
-3.75°	2.0	0.0
-5°	2.0	0.0
-6.25°	2.0	0.0
-7.5°	2.0	0.0
-8.75°	2.0	0.0
-10°	2.0	0.0
-11.25°	2.0	0.0
-12.5°	2.0	0.0
-13.75°	1.9	0.0
-15°	1.9	0.0
-16.25°	1.9	0.0
-17.5°	1.9	0.0
-18.75°	1.9	0.0
-20°	1.9	0.0
-21.25°	1.9	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.8	0.0
-23.75°	1.8	0.0
-25°	1.8	0.0
-26.25°	1.8	0.0
-27.5°	1.8	0.0
-28.75°	1.8	0.0
-30°	1.7	0.0
-31.25°	1.7	0.0
-32.5°	1.7	0.0
-33.75°	1.7	0.0
-35°	1.6	0.0
-36.25°	1.6	0.0
-37.5°	1.6	0.0
-38.75°	1.6	0.0
-40°	1.5	0.0
-41.25°	1.5	0.0
-42.5°	1.5	0.0
-43.75°	1.4	0.0
-45°	1.4	0.0
-46.25°	1.4	0.0
-47.5°	1.4	0.0
-48.75°	1.3	0.0
-50°	1.3	0.0
-51.25°	1.3	0.0
-52.5°	1.2	0.0
-53.75°	1.2	0.0
-55°	1.1	0.0
-56.25°	1.1	0.0
-57.5°	1.1	0.0
-58.75°	1.0	0.0
-60°	1.0	0.0
-61.25°	1.0	0.0
-62.5°	0.9	0.0
-63.75°	0.9	0.0
-65°	0.8	0.0
-66.25°	0.8	0.0
-67.5°	0.8	0.0
-68.75°	0.7	0.0
-70°	0.7	0.0
-71.25°	0.6	0.0
-72.5°	0.6	0.0
-73.75°	0.6	0.0
-75°	0.5	0.0
-76.25°	0.5	0.0
-77.5°	0.4	0.0



REPORT NUMBER: P220500 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-78.75°	0.4	0.0
-80°	0.3	0.0
-81.25°	0.3	0.0
-82.5°	0.3	0.0
-83.75°	0.2	0.0
-85°	0.2	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)