

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: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

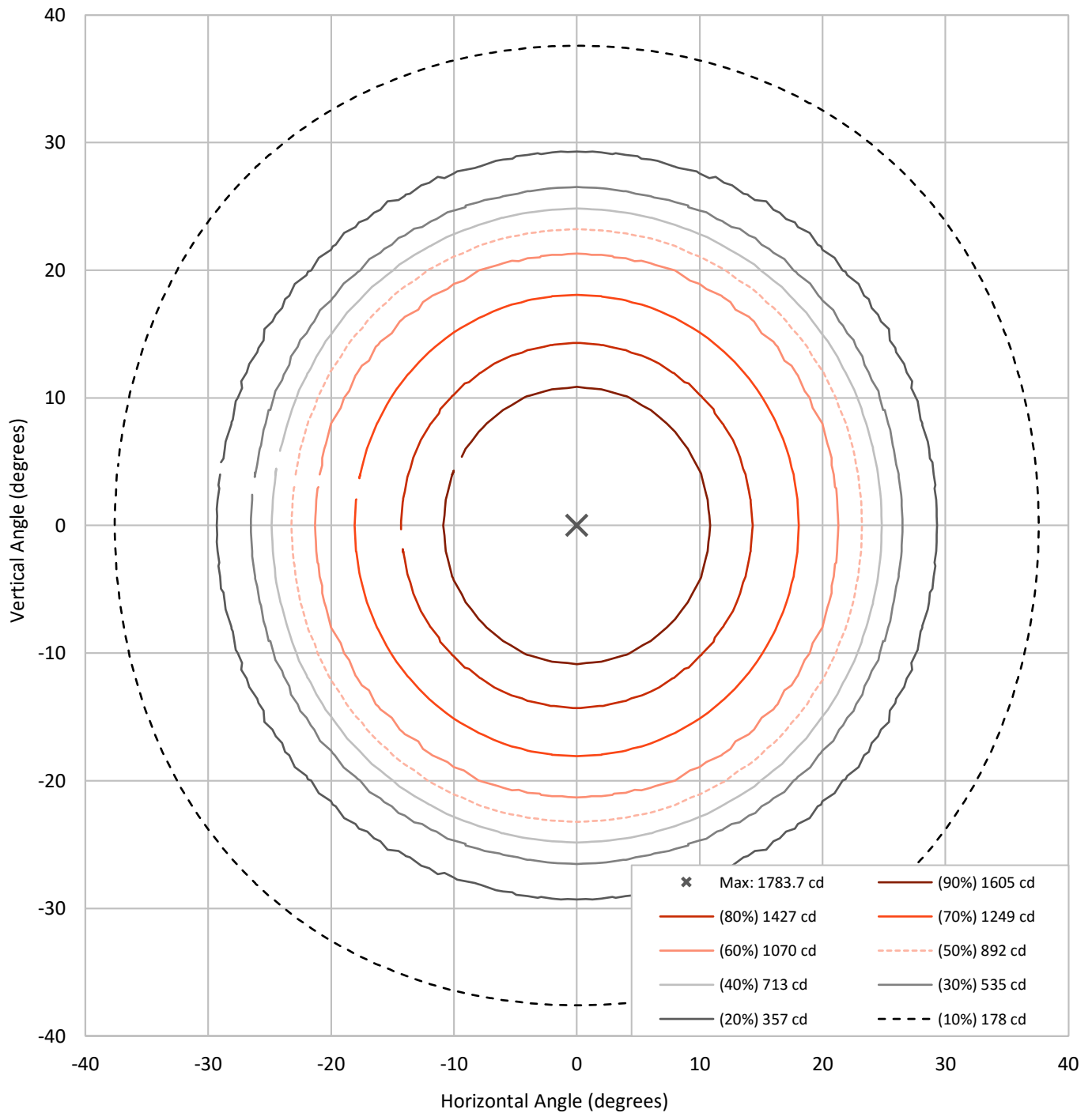
Test Method: LM-79-08
Report Number: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1200.5 lumens	Max Intensity:	1783.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	59.7 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:	689.6 lumens	Field Lumens:	982.6 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





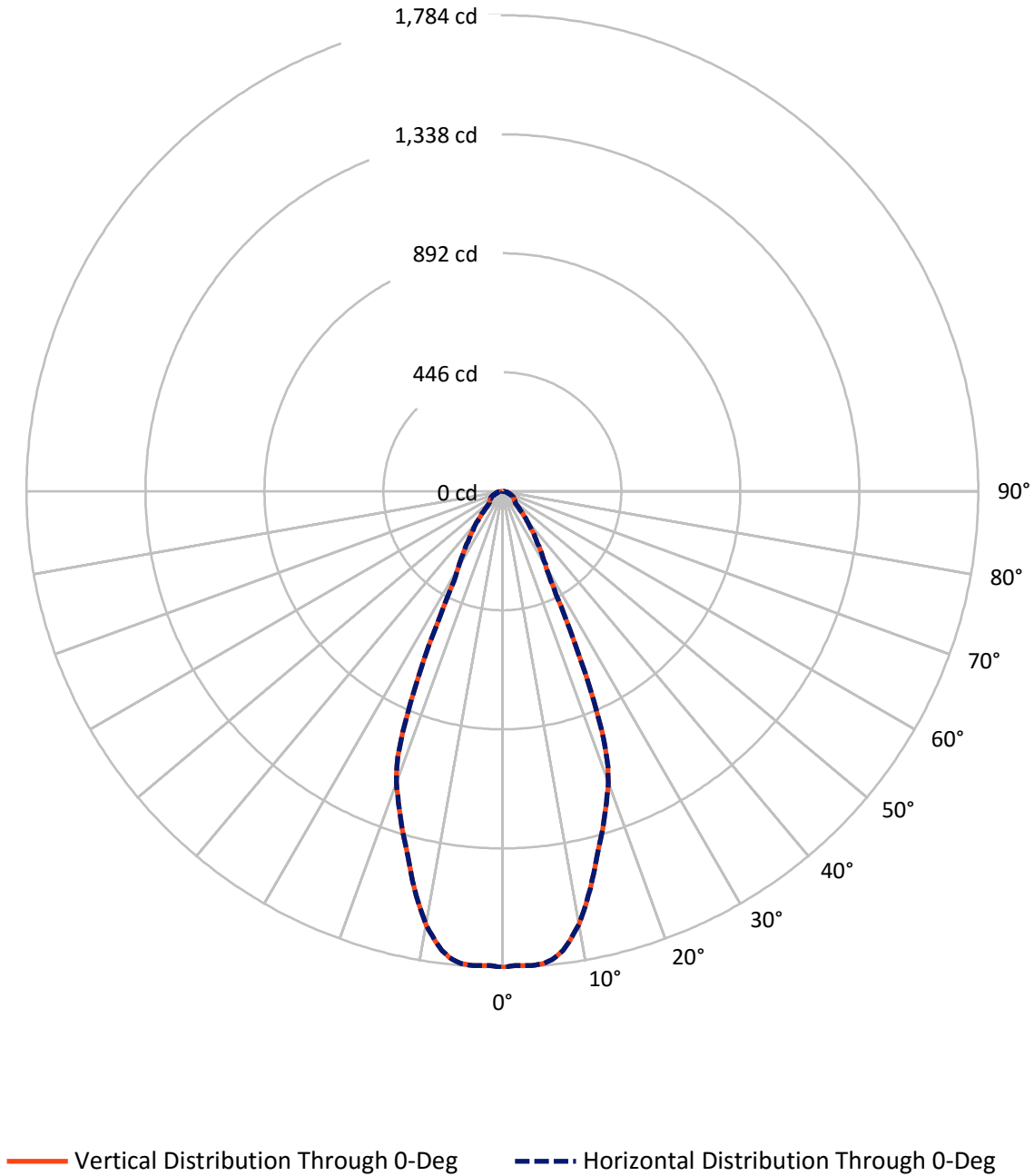
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Lumen Table

90	0.1	0.5		1.1		1.6		1.8		1.6		1.1		0.5		0.1
80	0.1	0.5		1.1		1.6		1.8		1.6		1.1		0.5		0.1
70	0.2	0.2	0.4	0.5	0.8	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.5	0.4	0.2	0.2
60		0.3	0.5	0.8	1.2	1.4	1.6	1.7	1.7	1.6	1.4	1.2	0.8	0.5	0.3	
50	0.3	0.3	0.7	1.1	1.4	1.8	2.3	2.7	2.7	2.3	1.8	1.4	1.1	0.7	0.3	0.3
40		0.4	0.8	1.2	1.8	3.3	5.2	6.6	6.6	5.2	3.3	1.8	1.2	0.8	0.4	
30	0.4	0.5	0.9	1.4	3.0	6.3	12.2	20.0	20.0	12.2	6.3	3.0	1.4	0.9	0.5	0.4
20		0.5	1.0	1.7	4.5	11.5	30.2	40.8	40.8	30.2	11.5	4.5	1.7	1.0	0.5	
10	0.4	0.5	1.0	1.9	5.5	18.3	39.6	51.6	51.6	39.6	18.3	5.5	1.9	1.0	0.5	0.4
0		0.5	1.0	1.9	5.5	18.3	39.6	51.6	51.6	39.6	18.3	5.5	1.9	1.0	0.5	
-10	0.4	0.5	1.0	1.9	5.5	18.3	39.6	51.6	51.6	39.6	18.3	5.5	1.9	1.0	0.5	0.4
-20		0.5	1.0	1.7	4.5	11.5	30.2	40.8	40.8	30.2	11.5	4.5	1.7	1.0	0.5	
-30	0.4	0.5	0.9	1.4	3.0	6.3	12.2	20.0	20.0	12.2	6.3	3.0	1.4	0.9	0.5	0.4
-40		0.5	0.9	1.4	3.0	6.3	12.2	20.0	20.0	12.2	6.3	3.0	1.4	0.9	0.5	
-50	0.3	0.4	0.8	1.2	1.8	3.3	5.2	6.6	6.6	5.2	3.3	1.8	1.2	0.8	0.4	0.3
-60		0.3	0.7	1.1	1.4	1.8	2.3	2.7	2.7	2.3	1.8	1.4	1.1	0.7	0.3	
-70	0.2	0.3	0.5	0.8	1.2	1.4	1.6	1.7	1.7	1.6	1.4	1.2	0.8	0.5	0.3	0.2
-80		0.2	0.4	0.5	0.8	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.5	0.4	0.2	
-90	0.1	0.5		1.1		1.6		1.8		1.6		1.1		0.5		0.1

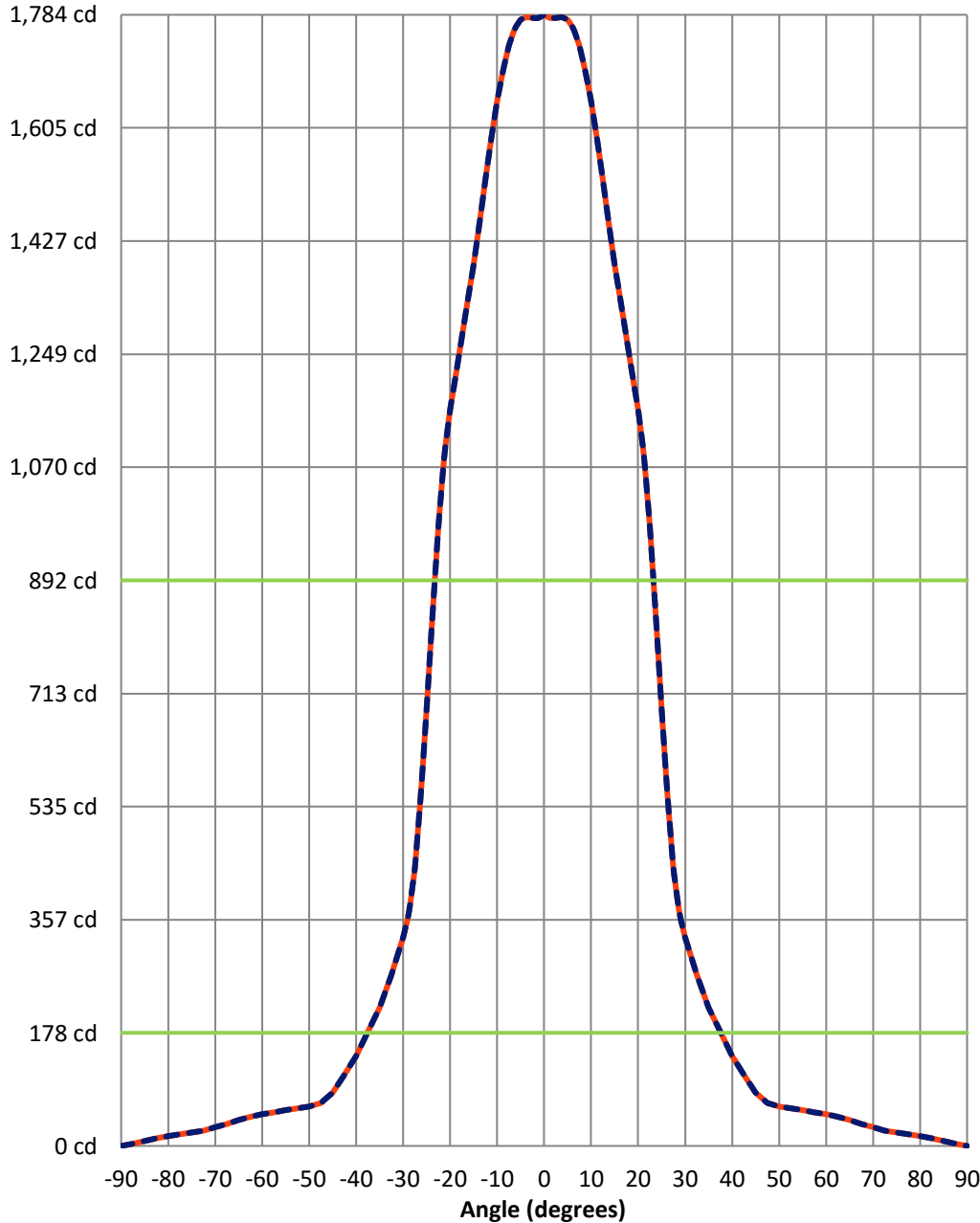
REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.5°
 V Angle: 46.5°
 Lumens: 689.6
 Efficiency: 57.4%

Field:
 H Angle: 75.2°
 V Angle: 75.2°
 Lumens: 982.6
 Efficiency: 81.8%

Spill:
 Lumens: 218
 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	0.2	0.3	0.3	0.3	0.4
87.5°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
86.25°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
85°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
83.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
82.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.3
81.25°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
80°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
78.75°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.1	3.4
77.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.8
76.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.8	4.3
75°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.2	4.7
73.75°	0.0	0.5	1.0	1.5	2.0	2.4	2.9	3.4	4.0	4.6	5.2
72.5°	0.0	0.5	1.1	1.6	2.1	2.6	3.1	3.7	4.3	5.0	5.6
71.25°	0.0	0.6	1.1	1.7	2.2	2.8	3.4	4.0	4.7	5.4	6.1
70°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.3	5.1	5.8	6.5
68.75°	0.0	0.6	1.3	1.9	2.5	3.2	3.9	4.6	5.4	6.2	6.9
67.5°	0.0	0.7	1.3	2.0	2.7	3.3	4.1	4.9	5.8	6.6	7.4
66.25°	0.0	0.7	1.4	2.1	2.8	3.5	4.4	5.2	6.1	7.0	7.8
65°	0.0	0.7	1.5	2.2	3.0	3.7	4.6	5.5	6.4	7.3	8.2
63.75°	0.0	0.8	1.5	2.3	3.1	3.9	4.9	5.8	6.8	7.7	8.6
62.5°	0.0	0.8	1.6	2.4	3.2	4.2	5.1	6.1	7.1	8.1	9.0
61.25°	0.0	0.8	1.7	2.5	3.4	4.4	5.4	6.4	7.4	8.4	9.4
60°	0.0	0.9	1.7	2.6	3.5	4.6	5.6	6.7	7.8	8.8	9.8
58.75°	0.0	0.9	1.8	2.7	3.7	4.8	5.9	7.0	8.1	9.2	10.2
57.5°	0.0	0.9	1.9	2.8	3.8	5.0	6.1	7.3	8.4	9.5	10.6
56.25°	0.0	1.0	1.9	2.9	4.0	5.2	6.4	7.5	8.7	9.9	11.0
55°	0.0	1.0	2.0	3.0	4.1	5.4	6.6	7.8	9.0	10.2	11.4
53.75°	0.0	1.0	2.1	3.1	4.3	5.5	6.8	8.1	9.3	10.5	11.8
52.5°	0.0	1.1	2.1	3.2	4.4	5.7	7.0	8.3	9.6	10.9	12.1
51.25°	0.0	1.1	2.2	3.3	4.6	5.9	7.3	8.6	9.9	11.2	12.4
50°	0.0	1.1	2.2	3.4	4.7	6.1	7.5	8.8	10.2	11.5	12.7
48.75°	0.0	1.2	2.3	3.5	4.9	6.3	7.7	9.1	10.4	11.8	13.0
47.5°	0.0	1.2	2.4	3.6	5.0	6.5	7.9	9.3	10.7	12.1	13.3
46.25°	0.0	1.2	2.4	3.7	5.1	6.6	8.1	9.5	11.0	12.4	13.6
45°	0.0	1.2	2.5	3.8	5.3	6.8	8.3	9.8	11.2	12.6	13.8
43.75°	0.0	1.3	2.5	3.9	5.4	7.0	8.5	10.0	11.5	12.8	14.1
42.5°	0.0	1.3	2.6	4.0	5.5	7.1	8.7	10.2	11.8	13.1	14.4
41.25°	0.0	1.3	2.6	4.0	5.7	7.3	8.9	10.4	12.0	13.3	14.6
40°	0.0	1.3	2.7	4.1	5.8	7.4	9.0	10.6	12.2	13.5	14.9
38.75°	0.0	1.4	2.7	4.2	5.9	7.6	9.2	10.8	12.4	13.8	15.1
37.5°	0.0	1.4	2.8	4.3	6.0	7.7	9.4	11.0	12.6	14.0	15.3
36.25°	0.0	1.4	2.8	4.4	6.1	7.9	9.6	11.2	12.8	14.2	15.6
35°	0.0	1.4	2.9	4.5	6.2	8.0	9.7	11.4	12.9	14.4	15.7

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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	1.5	2.9	4.6	6.3	8.1	9.9	11.6	13.1	14.6	15.9
32.5°	0.0	1.5	3.0	4.6	6.5	8.3	10.0	11.8	13.3	14.8	16.1
31.25°	0.0	1.5	3.0	4.7	6.5	8.4	10.2	12.0	13.5	14.9	16.3
30°	0.0	1.5	3.0	4.8	6.6	8.5	10.3	12.1	13.6	15.1	16.4
28.75°	0.0	1.5	3.1	4.9	6.7	8.6	10.4	12.2	13.8	15.3	16.6
27.5°	0.0	1.6	3.1	4.9	6.8	8.7	10.6	12.4	13.9	15.5	16.7
26.25°	0.0	1.6	3.1	5.0	6.9	8.8	10.7	12.5	14.0	15.6	16.9
25°	0.0	1.6	3.2	5.0	7.0	8.9	10.8	12.6	14.2	15.7	17.0
23.75°	0.0	1.6	3.2	5.1	7.1	9.0	10.9	12.7	14.3	15.8	17.2
22.5°	0.0	1.6	3.2	5.2	7.1	9.1	11.0	12.8	14.4	15.9	17.3
21.25°	0.0	1.6	3.3	5.2	7.2	9.2	11.1	12.9	14.5	16.1	17.4
20°	0.0	1.6	3.3	5.3	7.3	9.3	11.2	13.0	14.6	16.2	17.5
18.75°	0.0	1.7	3.3	5.3	7.3	9.3	11.3	13.1	14.7	16.2	17.6
17.5°	0.0	1.7	3.3	5.4	7.4	9.4	11.4	13.2	14.8	16.3	17.7
16.25°	0.0	1.7	3.4	5.4	7.5	9.5	11.5	13.3	14.9	16.4	17.8
15°	0.0	1.7	3.4	5.4	7.5	9.5	11.6	13.3	15.0	16.5	17.9
13.75°	0.0	1.7	3.4	5.5	7.6	9.6	11.6	13.4	15.1	16.6	18.0
12.5°	0.0	1.7	3.4	5.5	7.6	9.7	11.7	13.5	15.2	16.6	18.1
11.25°	0.0	1.7	3.4	5.5	7.6	9.7	11.8	13.5	15.2	16.7	18.1
10°	0.0	1.7	3.4	5.6	7.7	9.7	11.8	13.6	15.3	16.7	18.2
8.75°	0.0	1.7	3.5	5.6	7.7	9.8	11.9	13.6	15.3	16.8	18.2
7.5°	0.0	1.7	3.5	5.6	7.7	9.8	11.9	13.6	15.4	16.8	18.3
6.25°	0.0	1.7	3.5	5.6	7.7	9.8	11.9	13.7	15.4	16.9	18.3
5°	0.0	1.7	3.5	5.6	7.8	9.9	12.0	13.7	15.4	16.9	18.3
3.75°	0.0	1.7	3.5	5.6	7.8	9.9	12.0	13.7	15.5	16.9	18.4
2.5°	0.0	1.7	3.5	5.6	7.8	9.9	12.0	13.7	15.5	16.9	18.4
1.25°	0.0	1.7	3.5	5.6	7.8	9.9	12.0	13.7	15.5	16.9	18.4
0°	0.0	1.7	3.5	5.7	7.8	9.9	12.0	13.8	15.5	17.0	18.4
-1.25°	0.0	1.7	3.5	5.6	7.8	9.9	12.0	13.7	15.5	16.9	18.4
-2.5°	0.0	1.7	3.5	5.6	7.8	9.9	12.0	13.7	15.5	16.9	18.4
-3.75°	0.0	1.7	3.5	5.6	7.8	9.9	12.0	13.7	15.5	16.9	18.4
-5°	0.0	1.7	3.5	5.6	7.8	9.9	12.0	13.7	15.4	16.9	18.3
-6.25°	0.0	1.7	3.5	5.6	7.7	9.8	11.9	13.7	15.4	16.9	18.3
-7.5°	0.0	1.7	3.5	5.6	7.7	9.8	11.9	13.6	15.4	16.8	18.3
-8.75°	0.0	1.7	3.5	5.6	7.7	9.8	11.9	13.6	15.3	16.8	18.2
-10°	0.0	1.7	3.4	5.6	7.7	9.7	11.8	13.6	15.3	16.7	18.2
-11.25°	0.0	1.7	3.4	5.5	7.6	9.7	11.8	13.5	15.2	16.7	18.1
-12.5°	0.0	1.7	3.4	5.5	7.6	9.7	11.7	13.5	15.2	16.6	18.1
-13.75°	0.0	1.7	3.4	5.5	7.6	9.6	11.6	13.4	15.1	16.6	18.0
-15°	0.0	1.7	3.4	5.4	7.5	9.5	11.6	13.3	15.0	16.5	17.9
-16.25°	0.0	1.7	3.4	5.4	7.5	9.5	11.5	13.3	14.9	16.4	17.8
-17.5°	0.0	1.7	3.3	5.4	7.4	9.4	11.4	13.2	14.8	16.3	17.7
-18.75°	0.0	1.7	3.3	5.3	7.3	9.3	11.3	13.1	14.7	16.2	17.6
-20°	0.0	1.6	3.3	5.3	7.3	9.3	11.2	13.0	14.6	16.2	17.5
-21.25°	0.0	1.6	3.3	5.2	7.2	9.2	11.1	12.9	14.5	16.1	17.4



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.6	3.2	5.2	7.1	9.1	11.0	12.8	14.4	15.9	17.3
-23.75°	0.0	1.6	3.2	5.1	7.1	9.0	10.9	12.7	14.3	15.8	17.2
-25°	0.0	1.6	3.2	5.0	7.0	8.9	10.8	12.6	14.2	15.7	17.0
-26.25°	0.0	1.6	3.1	5.0	6.9	8.8	10.7	12.5	14.0	15.6	16.9
-27.5°	0.0	1.6	3.1	4.9	6.8	8.7	10.6	12.4	13.9	15.5	16.7
-28.75°	0.0	1.5	3.1	4.9	6.7	8.6	10.4	12.2	13.8	15.3	16.6
-30°	0.0	1.5	3.0	4.8	6.6	8.5	10.3	12.1	13.6	15.1	16.4
-31.25°	0.0	1.5	3.0	4.7	6.5	8.4	10.2	12.0	13.5	14.9	16.3
-32.5°	0.0	1.5	3.0	4.6	6.5	8.3	10.0	11.8	13.3	14.8	16.1
-33.75°	0.0	1.5	2.9	4.6	6.3	8.1	9.9	11.6	13.1	14.6	15.9
-35°	0.0	1.4	2.9	4.5	6.2	8.0	9.7	11.4	12.9	14.4	15.7
-36.25°	0.0	1.4	2.8	4.4	6.1	7.9	9.6	11.2	12.8	14.2	15.6
-37.5°	0.0	1.4	2.8	4.3	6.0	7.7	9.4	11.0	12.6	14.0	15.3
-38.75°	0.0	1.4	2.7	4.2	5.9	7.6	9.2	10.8	12.4	13.8	15.1
-40°	0.0	1.3	2.7	4.1	5.8	7.4	9.0	10.6	12.2	13.5	14.9
-41.25°	0.0	1.3	2.6	4.0	5.7	7.3	8.9	10.4	12.0	13.3	14.6
-42.5°	0.0	1.3	2.6	4.0	5.5	7.1	8.7	10.2	11.8	13.1	14.4
-43.75°	0.0	1.3	2.5	3.9	5.4	7.0	8.5	10.0	11.5	12.8	14.1
-45°	0.0	1.2	2.5	3.8	5.3	6.8	8.3	9.8	11.2	12.6	13.8
-46.25°	0.0	1.2	2.4	3.7	5.1	6.6	8.1	9.5	11.0	12.4	13.6
-47.5°	0.0	1.2	2.4	3.6	5.0	6.5	7.9	9.3	10.7	12.1	13.3
-48.75°	0.0	1.2	2.3	3.5	4.9	6.3	7.7	9.1	10.4	11.8	13.0
-50°	0.0	1.1	2.2	3.4	4.7	6.1	7.5	8.8	10.2	11.5	12.7
-51.25°	0.0	1.1	2.2	3.3	4.6	5.9	7.3	8.6	9.9	11.2	12.4
-52.5°	0.0	1.1	2.1	3.2	4.4	5.7	7.0	8.3	9.6	10.9	12.1
-53.75°	0.0	1.0	2.1	3.1	4.3	5.5	6.8	8.1	9.3	10.5	11.8
-55°	0.0	1.0	2.0	3.0	4.1	5.4	6.6	7.8	9.0	10.2	11.4
-56.25°	0.0	1.0	1.9	2.9	4.0	5.2	6.4	7.5	8.7	9.9	11.0
-57.5°	0.0	0.9	1.9	2.8	3.8	5.0	6.1	7.3	8.4	9.5	10.6
-58.75°	0.0	0.9	1.8	2.7	3.7	4.8	5.9	7.0	8.1	9.2	10.2
-60°	0.0	0.9	1.7	2.6	3.5	4.6	5.6	6.7	7.8	8.8	9.8
-61.25°	0.0	0.8	1.7	2.5	3.4	4.4	5.4	6.4	7.4	8.4	9.4
-62.5°	0.0	0.8	1.6	2.4	3.2	4.2	5.1	6.1	7.1	8.1	9.0
-63.75°	0.0	0.8	1.5	2.3	3.1	3.9	4.9	5.8	6.8	7.7	8.6
-65°	0.0	0.7	1.5	2.2	3.0	3.7	4.6	5.5	6.4	7.3	8.2
-66.25°	0.0	0.7	1.4	2.1	2.8	3.5	4.4	5.2	6.1	7.0	7.8
-67.5°	0.0	0.7	1.3	2.0	2.7	3.3	4.1	4.9	5.8	6.6	7.4
-68.75°	0.0	0.6	1.3	1.9	2.5	3.2	3.9	4.6	5.4	6.2	6.9
-70°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.3	5.1	5.8	6.5
-71.25°	0.0	0.6	1.1	1.7	2.2	2.8	3.4	4.0	4.7	5.4	6.1
-72.5°	0.0	0.5	1.1	1.6	2.1	2.6	3.1	3.7	4.3	5.0	5.6
-73.75°	0.0	0.5	1.0	1.5	2.0	2.4	2.9	3.4	4.0	4.6	5.2
-75°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.2	4.7
-76.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.8	4.3
-77.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.8



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.1	3.4
-80°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-81.25°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-82.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.3
-83.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
-85°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
-86.25°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-87.5°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-88.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	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: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8
87.5°	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.5
86.25°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
85°	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1
83.75°	2.1	2.3	2.4	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.9
82.5°	2.5	2.7	2.9	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.9
81.25°	2.9	3.2	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8
80°	3.3	3.6	4.0	4.3	4.7	5.1	5.4	5.8	6.1	6.4	6.8
78.75°	3.8	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7
77.5°	4.3	4.7	5.2	5.6	6.1	6.5	6.9	7.4	7.8	8.2	8.6
76.25°	4.8	5.3	5.8	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.5
75°	5.3	5.8	6.3	6.9	7.4	7.9	8.4	8.9	9.5	9.9	10.4
73.75°	5.8	6.3	6.9	7.5	8.1	8.6	9.2	9.7	10.3	10.8	11.3
72.5°	6.2	6.9	7.5	8.1	8.7	9.3	9.9	10.5	11.1	11.7	12.2
71.25°	6.7	7.4	8.1	8.7	9.4	10.0	10.6	11.3	11.9	12.4	12.9
70°	7.2	7.9	8.6	9.3	10.0	10.7	11.4	12.0	12.6	13.1	13.7
68.75°	7.7	8.4	9.2	9.9	10.6	11.4	12.1	12.7	13.3	13.8	14.4
67.5°	8.2	8.9	9.7	10.5	11.3	12.0	12.7	13.3	13.9	14.5	15.1
66.25°	8.6	9.5	10.3	11.1	11.9	12.6	13.3	13.9	14.6	15.2	15.8
65°	9.1	9.9	10.8	11.7	12.4	13.1	13.8	14.5	15.2	15.8	16.4
63.75°	9.5	10.4	11.3	12.2	12.9	13.7	14.4	15.1	15.8	16.4	17.0
62.5°	10.0	10.9	11.9	12.7	13.4	14.2	15.0	15.7	16.3	17.0	17.6
61.25°	10.4	11.4	12.3	13.1	14.0	14.8	15.5	16.2	16.9	17.5	18.1
60°	10.9	11.9	12.8	13.6	14.4	15.3	16.0	16.7	17.4	18.1	18.7
58.75°	11.3	12.3	13.2	14.1	14.9	15.8	16.5	17.2	17.9	18.6	19.3
57.5°	11.7	12.7	13.6	14.5	15.4	16.2	16.9	17.7	18.4	19.1	19.8
56.25°	12.1	13.1	14.0	15.0	15.8	16.6	17.4	18.1	18.9	19.6	20.3
55°	12.5	13.5	14.4	15.4	16.2	17.0	17.8	18.6	19.4	20.1	20.9
53.75°	12.8	13.8	14.8	15.8	16.6	17.4	18.3	19.0	19.8	20.6	21.4
52.5°	13.1	14.2	15.2	16.1	17.0	17.8	18.7	19.5	20.3	21.1	21.9
51.25°	13.5	14.6	15.6	16.5	17.4	18.2	19.1	19.9	20.8	21.6	22.4
50°	13.8	14.9	15.9	16.8	17.7	18.6	19.5	20.3	21.2	22.1	22.9
48.75°	14.1	15.3	16.2	17.2	18.1	19.0	19.9	20.8	21.6	22.5	23.4
47.5°	14.4	15.6	16.5	17.5	18.4	19.4	20.3	21.2	22.1	23.0	23.9
46.25°	14.7	15.9	16.8	17.8	18.8	19.7	20.7	21.6	22.5	23.4	24.7
45°	15.0	16.1	17.1	18.1	19.1	20.1	21.0	22.0	22.9	23.9	25.6
43.75°	15.3	16.4	17.4	18.5	19.4	20.4	21.4	22.4	23.3	24.6	26.5
42.5°	15.6	16.7	17.7	18.7	19.8	20.8	21.8	22.8	23.7	25.5	27.4
41.25°	15.8	16.9	18.0	19.0	20.1	21.1	22.1	23.1	24.3	26.3	28.3
40°	16.1	17.2	18.3	19.3	20.4	21.4	22.5	23.5	25.1	27.1	29.2
38.75°	16.3	17.4	18.5	19.6	20.7	21.7	22.8	23.8	25.8	27.9	30.0
37.5°	16.5	17.6	18.8	19.9	20.9	22.0	23.1	24.4	26.5	28.7	30.7
36.25°	16.7	17.9	19.0	20.1	21.2	22.3	23.4	25.1	27.3	29.4	31.4
35°	16.9	18.1	19.2	20.4	21.5	22.6	23.7	25.7	27.9	30.1	32.1



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	17.1	18.3	19.5	20.6	21.8	22.9	24.1	26.4	28.6	30.7	32.8
32.5°	17.3	18.5	19.7	20.9	22.0	23.2	24.7	27.0	29.3	31.4	33.4
31.25°	17.5	18.7	19.9	21.1	22.3	23.4	25.2	27.6	29.9	32.0	34.0
30°	17.7	18.9	20.1	21.3	22.5	23.7	25.8	28.2	30.4	32.5	34.7
28.75°	17.9	19.1	20.3	21.5	22.7	23.9	26.3	28.7	31.0	33.1	35.4
27.5°	18.0	19.3	20.5	21.7	23.0	24.4	26.8	29.2	31.5	33.6	36.1
26.25°	18.2	19.4	20.7	21.9	23.2	24.8	27.3	29.7	31.9	34.1	36.8
25°	18.3	19.6	20.9	22.1	23.4	25.2	27.8	30.2	32.4	34.7	37.5
23.75°	18.5	19.7	21.0	22.3	23.6	25.7	28.2	30.6	32.9	35.2	38.1
22.5°	18.6	19.9	21.2	22.5	23.7	26.1	28.6	31.0	33.3	35.8	38.7
21.25°	18.7	20.0	21.3	22.6	23.9	26.4	29.0	31.4	33.7	36.4	39.2
20°	18.9	20.2	21.5	22.8	24.2	26.8	29.4	31.8	34.1	36.9	39.8
18.75°	19.0	20.3	21.6	22.9	24.5	27.1	29.7	32.1	34.4	37.3	40.3
17.5°	19.1	20.4	21.7	23.1	24.8	27.4	30.0	32.4	34.8	37.8	40.8
16.25°	19.2	20.5	21.9	23.2	25.1	27.7	30.3	32.7	35.2	38.2	41.2
15°	19.3	20.6	22.0	23.3	25.3	28.0	30.6	33.0	35.6	38.6	41.5
13.75°	19.4	20.7	22.1	23.4	25.6	28.3	30.8	33.2	35.9	39.0	41.8
12.5°	19.4	20.8	22.2	23.5	25.8	28.5	31.0	33.5	36.2	39.3	42.1
11.25°	19.5	20.9	22.2	23.6	26.0	28.7	31.2	33.7	36.5	39.6	42.3
10°	19.6	20.9	22.3	23.7	26.1	28.9	31.4	33.9	36.8	39.9	42.5
8.75°	19.6	21.0	22.4	23.8	26.3	29.1	31.6	34.0	37.0	40.1	42.7
7.5°	19.7	21.1	22.4	23.8	26.4	29.2	31.7	34.2	37.2	40.3	42.9
6.25°	19.7	21.1	22.5	23.9	26.5	29.3	31.8	34.3	37.4	40.5	43.1
5°	19.7	21.1	22.5	23.9	26.6	29.4	31.9	34.4	37.5	40.6	43.2
3.75°	19.8	21.2	22.6	24.0	26.7	29.5	32.0	34.5	37.6	40.8	43.3
2.5°	19.8	21.2	22.6	24.0	26.8	29.6	32.1	34.6	37.7	40.8	43.3
1.25°	19.8	21.2	22.6	24.0	26.8	29.6	32.1	34.6	37.7	40.9	43.4
0°	19.8	21.2	22.6	24.0	26.8	29.6	32.1	34.6	37.8	40.9	43.4
-1.25°	19.8	21.2	22.6	24.0	26.8	29.6	32.1	34.6	37.7	40.9	43.4
-2.5°	19.8	21.2	22.6	24.0	26.8	29.6	32.1	34.6	37.7	40.8	43.3
-3.75°	19.8	21.2	22.6	24.0	26.7	29.5	32.0	34.5	37.6	40.8	43.3
-5°	19.7	21.1	22.5	23.9	26.6	29.4	31.9	34.4	37.5	40.6	43.2
-6.25°	19.7	21.1	22.5	23.9	26.5	29.3	31.8	34.3	37.4	40.5	43.1
-7.5°	19.7	21.1	22.4	23.8	26.4	29.2	31.7	34.2	37.2	40.3	42.9
-8.75°	19.6	21.0	22.4	23.8	26.3	29.1	31.6	34.0	37.0	40.1	42.7
-10°	19.6	20.9	22.3	23.7	26.1	28.9	31.4	33.9	36.8	39.9	42.5
-11.25°	19.5	20.9	22.2	23.6	26.0	28.7	31.2	33.7	36.5	39.6	42.3
-12.5°	19.4	20.8	22.2	23.5	25.8	28.5	31.0	33.5	36.2	39.3	42.1
-13.75°	19.4	20.7	22.1	23.4	25.6	28.3	30.8	33.2	35.9	39.0	41.8
-15°	19.3	20.6	22.0	23.3	25.3	28.0	30.6	33.0	35.6	38.6	41.5
-16.25°	19.2	20.5	21.9	23.2	25.1	27.7	30.3	32.7	35.2	38.2	41.2
-17.5°	19.1	20.4	21.7	23.1	24.8	27.4	30.0	32.4	34.8	37.8	40.8
-18.75°	19.0	20.3	21.6	22.9	24.5	27.1	29.7	32.1	34.4	37.3	40.3
-20°	18.9	20.2	21.5	22.8	24.2	26.8	29.4	31.8	34.1	36.9	39.8
-21.25°	18.7	20.0	21.3	22.6	23.9	26.4	29.0	31.4	33.7	36.4	39.2



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	18.6	19.9	21.2	22.5	23.7	26.1	28.6	31.0	33.3	35.8	38.7
-23.75°	18.5	19.7	21.0	22.3	23.6	25.7	28.2	30.6	32.9	35.2	38.1
-25°	18.3	19.6	20.9	22.1	23.4	25.2	27.8	30.2	32.4	34.7	37.5
-26.25°	18.2	19.4	20.7	21.9	23.2	24.8	27.3	29.7	31.9	34.1	36.8
-27.5°	18.0	19.3	20.5	21.7	23.0	24.4	26.8	29.2	31.5	33.6	36.1
-28.75°	17.9	19.1	20.3	21.5	22.7	23.9	26.3	28.7	31.0	33.1	35.4
-30°	17.7	18.9	20.1	21.3	22.5	23.7	25.8	28.2	30.4	32.5	34.7
-31.25°	17.5	18.7	19.9	21.1	22.3	23.4	25.2	27.6	29.9	32.0	34.0
-32.5°	17.3	18.5	19.7	20.9	22.0	23.2	24.7	27.0	29.3	31.4	33.4
-33.75°	17.1	18.3	19.5	20.6	21.8	22.9	24.1	26.4	28.6	30.7	32.8
-35°	16.9	18.1	19.2	20.4	21.5	22.6	23.7	25.7	27.9	30.1	32.1
-36.25°	16.7	17.9	19.0	20.1	21.2	22.3	23.4	25.1	27.3	29.4	31.4
-37.5°	16.5	17.6	18.8	19.9	20.9	22.0	23.1	24.4	26.5	28.7	30.7
-38.75°	16.3	17.4	18.5	19.6	20.7	21.7	22.8	23.8	25.8	27.9	30.0
-40°	16.1	17.2	18.3	19.3	20.4	21.4	22.5	23.5	25.1	27.1	29.2
-41.25°	15.8	16.9	18.0	19.0	20.1	21.1	22.1	23.1	24.3	26.3	28.3
-42.5°	15.6	16.7	17.7	18.7	19.8	20.8	21.8	22.8	23.7	25.5	27.4
-43.75°	15.3	16.4	17.4	18.5	19.4	20.4	21.4	22.4	23.3	24.6	26.5
-45°	15.0	16.1	17.1	18.1	19.1	20.1	21.0	22.0	22.9	23.9	25.6
-46.25°	14.7	15.9	16.8	17.8	18.8	19.7	20.7	21.6	22.5	23.4	24.7
-47.5°	14.4	15.6	16.5	17.5	18.4	19.4	20.3	21.2	22.1	23.0	23.9
-48.75°	14.1	15.3	16.2	17.2	18.1	19.0	19.9	20.8	21.6	22.5	23.4
-50°	13.8	14.9	15.9	16.8	17.7	18.6	19.5	20.3	21.2	22.1	22.9
-51.25°	13.5	14.6	15.6	16.5	17.4	18.2	19.1	19.9	20.8	21.6	22.4
-52.5°	13.1	14.2	15.2	16.1	17.0	17.8	18.7	19.5	20.3	21.1	21.9
-53.75°	12.8	13.8	14.8	15.8	16.6	17.4	18.3	19.0	19.8	20.6	21.4
-55°	12.5	13.5	14.4	15.4	16.2	17.0	17.8	18.6	19.4	20.1	20.9
-56.25°	12.1	13.1	14.0	15.0	15.8	16.6	17.4	18.1	18.9	19.6	20.3
-57.5°	11.7	12.7	13.6	14.5	15.4	16.2	16.9	17.7	18.4	19.1	19.8
-58.75°	11.3	12.3	13.2	14.1	14.9	15.8	16.5	17.2	17.9	18.6	19.3
-60°	10.9	11.9	12.8	13.6	14.4	15.3	16.0	16.7	17.4	18.1	18.7
-61.25°	10.4	11.4	12.3	13.1	14.0	14.8	15.5	16.2	16.9	17.5	18.1
-62.5°	10.0	10.9	11.9	12.7	13.4	14.2	15.0	15.7	16.3	17.0	17.6
-63.75°	9.5	10.4	11.3	12.2	12.9	13.7	14.4	15.1	15.8	16.4	17.0
-65°	9.1	9.9	10.8	11.7	12.4	13.1	13.8	14.5	15.2	15.8	16.4
-66.25°	8.6	9.5	10.3	11.1	11.9	12.6	13.3	13.9	14.6	15.2	15.8
-67.5°	8.2	8.9	9.7	10.5	11.3	12.0	12.7	13.3	13.9	14.5	15.1
-68.75°	7.7	8.4	9.2	9.9	10.6	11.4	12.1	12.7	13.3	13.8	14.4
-70°	7.2	7.9	8.6	9.3	10.0	10.7	11.4	12.0	12.6	13.1	13.7
-71.25°	6.7	7.4	8.1	8.7	9.4	10.0	10.6	11.3	11.9	12.4	12.9
-72.5°	6.2	6.9	7.5	8.1	8.7	9.3	9.9	10.5	11.1	11.7	12.2
-73.75°	5.8	6.3	6.9	7.5	8.1	8.6	9.2	9.7	10.3	10.8	11.3
-75°	5.3	5.8	6.3	6.9	7.4	7.9	8.4	8.9	9.5	9.9	10.4
-76.25°	4.8	5.3	5.8	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.5
-77.5°	4.3	4.7	5.2	5.6	6.1	6.5	6.9	7.4	7.8	8.2	8.6



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	3.8	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7
-80°	3.3	3.6	4.0	4.3	4.7	5.1	5.4	5.8	6.1	6.4	6.8
-81.25°	2.9	3.2	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8
-82.5°	2.5	2.7	2.9	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.9
-83.75°	2.1	2.3	2.4	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.9
-85°	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1
-86.25°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
-87.5°	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.5
-88.75°	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1
87.5°	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2
86.25°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
85°	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7
83.75°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1
82.5°	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.3	7.5
81.25°	6.1	6.4	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.8
80°	7.1	7.4	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2
78.75°	8.1	8.4	8.8	9.2	9.5	9.9	10.2	10.5	10.9	11.2	11.5
77.5°	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.1	12.4	12.7
76.25°	10.0	10.4	10.9	11.3	11.7	12.1	12.5	12.8	13.1	13.5	13.8
75°	10.9	11.4	11.9	12.3	12.7	13.1	13.5	13.8	14.2	14.6	14.9
73.75°	11.9	12.3	12.8	13.2	13.6	14.0	14.4	14.8	15.2	15.6	15.9
72.5°	12.7	13.1	13.6	14.1	14.5	15.0	15.4	15.8	16.1	16.5	16.8
71.25°	13.4	14.0	14.4	14.9	15.4	15.8	16.2	16.6	17.0	17.4	17.7
70°	14.2	14.8	15.3	15.8	16.2	16.6	17.0	17.4	17.8	18.2	18.6
68.75°	15.0	15.5	16.0	16.5	16.9	17.4	17.8	18.3	18.7	19.1	19.5
67.5°	15.7	16.2	16.7	17.2	17.7	18.1	18.6	19.0	19.5	19.9	20.3
66.25°	16.3	16.9	17.4	17.9	18.4	18.9	19.4	19.8	20.3	20.8	21.2
65°	17.0	17.5	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1
63.75°	17.6	18.1	18.7	19.3	19.8	20.3	20.9	21.4	21.9	22.4	22.9
62.5°	18.2	18.8	19.4	19.9	20.5	21.0	21.6	22.1	22.7	23.2	23.7
61.25°	18.8	19.4	20.0	20.6	21.2	21.8	22.3	22.9	23.5	24.0	25.1
60°	19.4	20.0	20.6	21.2	21.9	22.5	23.1	23.7	24.5	25.7	26.8
58.75°	19.9	20.6	21.2	21.9	22.5	23.2	23.8	24.8	26.0	27.2	28.4
57.5°	20.5	21.2	21.9	22.5	23.2	23.9	25.0	26.3	27.6	28.8	30.0
56.25°	21.0	21.8	22.5	23.2	23.9	25.1	26.4	27.8	29.1	30.3	31.4
55°	21.6	22.3	23.1	23.8	25.0	26.4	27.8	29.2	30.5	31.7	32.9
53.75°	22.1	22.9	23.7	24.8	26.3	27.8	29.2	30.5	31.8	33.0	34.3
52.5°	22.7	23.5	24.5	26.0	27.6	29.1	30.5	31.8	33.1	34.4	35.9
51.25°	23.2	24.0	25.7	27.2	28.8	30.3	31.7	33.0	34.4	36.0	37.7
50°	23.7	25.1	26.8	28.4	30.0	31.4	32.9	34.3	35.9	37.7	39.4
48.75°	24.5	26.2	27.9	29.6	31.1	32.6	34.0	35.7	37.5	39.3	41.1
47.5°	25.5	27.3	29.0	30.6	32.2	33.7	35.4	37.2	39.1	40.9	42.4
46.25°	26.5	28.3	30.1	31.6	33.2	34.8	36.8	38.7	40.6	42.2	43.7
45°	27.5	29.3	31.0	32.6	34.3	36.2	38.2	40.2	41.9	43.4	45.0
43.75°	28.4	30.3	31.9	33.6	35.5	37.5	39.6	41.5	43.1	44.7	46.2
42.5°	29.4	31.1	32.9	34.6	36.7	38.8	40.9	42.6	44.2	45.9	47.2
41.25°	30.2	32.0	33.8	35.8	37.9	40.1	42.0	43.7	45.4	46.9	48.3
40°	31.0	32.8	34.7	36.9	39.1	41.3	43.0	44.8	46.4	47.8	49.3
38.75°	31.8	33.7	35.7	38.0	40.3	42.3	44.0	45.8	47.3	48.8	50.2
37.5°	32.6	34.5	36.8	39.1	41.4	43.2	45.0	46.7	48.2	49.7	50.8
36.25°	33.3	35.4	37.8	40.2	42.3	44.1	46.0	47.5	49.1	50.5	51.5
35°	34.0	36.4	38.8	41.2	43.1	45.0	46.8	48.4	50.0	51.0	52.1



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	34.8	37.3	39.8	42.0	44.0	45.9	47.6	49.2	50.6	51.6	52.7
32.5°	35.7	38.2	40.8	42.8	44.8	46.6	48.3	50.0	51.1	52.2	53.4
31.25°	36.5	39.1	41.5	43.6	45.6	47.3	49.0	50.5	51.6	52.7	54.1
30°	37.3	39.9	42.2	44.3	46.3	48.0	49.7	51.0	52.1	53.4	54.8
28.75°	38.1	40.8	42.9	45.0	46.9	48.7	50.3	51.5	52.6	54.0	55.5
27.5°	38.8	41.4	43.6	45.7	47.5	49.3	50.8	51.9	53.2	54.7	56.2
26.25°	39.6	42.0	44.2	46.3	48.1	49.9	51.2	52.4	53.8	55.3	56.7
25°	40.2	42.6	44.8	46.8	48.7	50.4	51.6	52.8	54.3	55.9	57.2
23.75°	40.9	43.1	45.4	47.3	49.2	50.7	52.0	53.3	54.9	56.4	57.7
22.5°	41.4	43.7	45.9	47.8	49.7	51.1	52.3	53.8	55.4	56.9	58.1
21.25°	41.9	44.2	46.4	48.3	50.2	51.4	52.7	54.3	55.9	57.3	58.5
20°	42.3	44.6	46.8	48.7	50.5	51.7	53.1	54.7	56.3	57.7	58.9
18.75°	42.8	45.1	47.2	49.1	50.8	52.1	53.5	55.1	56.7	58.0	59.3
17.5°	43.2	45.5	47.5	49.5	51.0	52.3	53.9	55.5	57.1	58.4	59.6
16.25°	43.5	45.9	47.9	49.9	51.3	52.6	54.2	55.9	57.4	58.7	60.0
15°	43.9	46.2	48.2	50.2	51.5	52.8	54.5	56.3	57.6	59.0	60.3
13.75°	44.2	46.5	48.5	50.4	51.7	53.1	54.9	56.6	57.9	59.2	60.6
12.5°	44.5	46.8	48.8	50.6	51.9	53.4	55.1	56.8	58.1	59.5	60.8
11.25°	44.8	47.0	49.0	50.8	52.1	53.6	55.4	57.0	58.4	59.7	61.1
10°	45.0	47.2	49.3	50.9	52.3	53.9	55.6	57.2	58.6	59.9	61.3
8.75°	45.2	47.4	49.5	51.0	52.4	54.1	55.8	57.4	58.7	60.1	61.5
7.5°	45.4	47.5	49.6	51.2	52.6	54.2	56.0	57.5	58.9	60.3	61.6
6.25°	45.5	47.7	49.8	51.3	52.7	54.4	56.2	57.6	59.0	60.4	61.8
5°	45.7	47.8	49.9	51.4	52.7	54.5	56.3	57.7	59.1	60.5	61.9
3.75°	45.8	47.9	50.0	51.4	52.8	54.6	56.4	57.8	59.2	60.6	62.0
2.5°	45.8	47.9	50.0	51.5	52.9	54.6	56.4	57.9	59.3	60.7	62.0
1.25°	45.9	48.0	50.1	51.5	52.9	54.7	56.5	57.9	59.3	60.7	62.1
0°	45.9	48.0	50.1	51.5	52.9	54.7	56.5	57.9	59.3	60.7	62.1
-1.25°	45.9	48.0	50.1	51.5	52.9	54.7	56.5	57.9	59.3	60.7	62.1
-2.5°	45.8	47.9	50.0	51.5	52.9	54.6	56.4	57.9	59.3	60.7	62.0
-3.75°	45.8	47.9	50.0	51.4	52.8	54.6	56.4	57.8	59.2	60.6	62.0
-5°	45.7	47.8	49.9	51.4	52.7	54.5	56.3	57.7	59.1	60.5	61.9
-6.25°	45.5	47.7	49.8	51.3	52.7	54.4	56.2	57.6	59.0	60.4	61.8
-7.5°	45.4	47.5	49.6	51.2	52.6	54.2	56.0	57.5	58.9	60.3	61.6
-8.75°	45.2	47.4	49.5	51.0	52.4	54.1	55.8	57.4	58.7	60.1	61.5
-10°	45.0	47.2	49.3	50.9	52.3	53.9	55.6	57.2	58.6	59.9	61.3
-11.25°	44.8	47.0	49.0	50.8	52.1	53.6	55.4	57.0	58.4	59.7	61.1
-12.5°	44.5	46.8	48.8	50.6	51.9	53.4	55.1	56.8	58.1	59.5	60.8
-13.75°	44.2	46.5	48.5	50.4	51.7	53.1	54.9	56.6	57.9	59.2	60.6
-15°	43.9	46.2	48.2	50.2	51.5	52.8	54.5	56.3	57.6	59.0	60.3
-16.25°	43.5	45.9	47.9	49.9	51.3	52.6	54.2	55.9	57.4	58.7	60.0
-17.5°	43.2	45.5	47.5	49.5	51.0	52.3	53.9	55.5	57.1	58.4	59.6
-18.75°	42.8	45.1	47.2	49.1	50.8	52.1	53.5	55.1	56.7	58.0	59.3
-20°	42.3	44.6	46.8	48.7	50.5	51.7	53.1	54.7	56.3	57.7	58.9
-21.25°	41.9	44.2	46.4	48.3	50.2	51.4	52.7	54.3	55.9	57.3	58.5



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	41.4	43.7	45.9	47.8	49.7	51.1	52.3	53.8	55.4	56.9	58.1
-23.75°	40.9	43.1	45.4	47.3	49.2	50.7	52.0	53.3	54.9	56.4	57.7
-25°	40.2	42.6	44.8	46.8	48.7	50.4	51.6	52.8	54.3	55.9	57.2
-26.25°	39.6	42.0	44.2	46.3	48.1	49.9	51.2	52.4	53.8	55.3	56.7
-27.5°	38.8	41.4	43.6	45.7	47.5	49.3	50.8	51.9	53.2	54.7	56.2
-28.75°	38.1	40.8	42.9	45.0	46.9	48.7	50.3	51.5	52.6	54.0	55.5
-30°	37.3	39.9	42.2	44.3	46.3	48.0	49.7	51.0	52.1	53.4	54.8
-31.25°	36.5	39.1	41.5	43.6	45.6	47.3	49.0	50.5	51.6	52.7	54.1
-32.5°	35.7	38.2	40.8	42.8	44.8	46.6	48.3	50.0	51.1	52.2	53.4
-33.75°	34.8	37.3	39.8	42.0	44.0	45.9	47.6	49.2	50.6	51.6	52.7
-35°	34.0	36.4	38.8	41.2	43.1	45.0	46.8	48.4	50.0	51.0	52.1
-36.25°	33.3	35.4	37.8	40.2	42.3	44.1	46.0	47.5	49.1	50.5	51.5
-37.5°	32.6	34.5	36.8	39.1	41.4	43.2	45.0	46.7	48.2	49.7	50.8
-38.75°	31.8	33.7	35.7	38.0	40.3	42.3	44.0	45.8	47.3	48.8	50.2
-40°	31.0	32.8	34.7	36.9	39.1	41.3	43.0	44.8	46.4	47.8	49.3
-41.25°	30.2	32.0	33.8	35.8	37.9	40.1	42.0	43.7	45.4	46.9	48.3
-42.5°	29.4	31.1	32.9	34.6	36.7	38.8	40.9	42.6	44.2	45.9	47.2
-43.75°	28.4	30.3	31.9	33.6	35.5	37.5	39.6	41.5	43.1	44.7	46.2
-45°	27.5	29.3	31.0	32.6	34.3	36.2	38.2	40.2	41.9	43.4	45.0
-46.25°	26.5	28.3	30.1	31.6	33.2	34.8	36.8	38.7	40.6	42.2	43.7
-47.5°	25.5	27.3	29.0	30.6	32.2	33.7	35.4	37.2	39.1	40.9	42.4
-48.75°	24.5	26.2	27.9	29.6	31.1	32.6	34.0	35.7	37.5	39.3	41.1
-50°	23.7	25.1	26.8	28.4	30.0	31.4	32.9	34.3	35.9	37.7	39.4
-51.25°	23.2	24.0	25.7	27.2	28.8	30.3	31.7	33.0	34.4	36.0	37.7
-52.5°	22.7	23.5	24.5	26.0	27.6	29.1	30.5	31.8	33.1	34.4	35.9
-53.75°	22.1	22.9	23.7	24.8	26.3	27.8	29.2	30.5	31.8	33.0	34.3
-55°	21.6	22.3	23.1	23.8	25.0	26.4	27.8	29.2	30.5	31.7	32.9
-56.25°	21.0	21.8	22.5	23.2	23.9	25.1	26.4	27.8	29.1	30.3	31.4
-57.5°	20.5	21.2	21.9	22.5	23.2	23.9	25.0	26.3	27.6	28.8	30.0
-58.75°	19.9	20.6	21.2	21.9	22.5	23.2	23.8	24.8	26.0	27.2	28.4
-60°	19.4	20.0	20.6	21.2	21.9	22.5	23.1	23.7	24.5	25.7	26.8
-61.25°	18.8	19.4	20.0	20.6	21.2	21.8	22.3	22.9	23.5	24.0	25.1
-62.5°	18.2	18.8	19.4	19.9	20.5	21.0	21.6	22.1	22.7	23.2	23.7
-63.75°	17.6	18.1	18.7	19.3	19.8	20.3	20.9	21.4	21.9	22.4	22.9
-65°	17.0	17.5	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1
-66.25°	16.3	16.9	17.4	17.9	18.4	18.9	19.4	19.8	20.3	20.8	21.2
-67.5°	15.7	16.2	16.7	17.2	17.7	18.1	18.6	19.0	19.5	19.9	20.3
-68.75°	15.0	15.5	16.0	16.5	16.9	17.4	17.8	18.3	18.7	19.1	19.5
-70°	14.2	14.8	15.3	15.8	16.2	16.6	17.0	17.4	17.8	18.2	18.6
-71.25°	13.4	14.0	14.4	14.9	15.4	15.8	16.2	16.6	17.0	17.4	17.7
-72.5°	12.7	13.1	13.6	14.1	14.5	15.0	15.4	15.8	16.1	16.5	16.8
-73.75°	11.9	12.3	12.8	13.2	13.6	14.0	14.4	14.8	15.2	15.6	15.9
-75°	10.9	11.4	11.9	12.3	12.7	13.1	13.5	13.8	14.2	14.6	14.9
-76.25°	10.0	10.4	10.9	11.3	11.7	12.1	12.5	12.8	13.1	13.5	13.8
-77.5°	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.1	12.4	12.7



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	8.1	8.4	8.8	9.2	9.5	9.9	10.2	10.5	10.9	11.2	11.5
-80°	7.1	7.4	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2
-81.25°	6.1	6.4	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.8
-82.5°	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.3	7.5
-83.75°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1
-85°	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7
-86.25°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
-87.5°	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2
-88.75°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4
87.5°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8
86.25°	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.4
85°	4.9	5.0	5.1	5.3	5.4	5.5	5.7	5.8	5.9	6.0	6.1
83.75°	6.3	6.5	6.6	6.8	7.0	7.1	7.3	7.4	7.6	7.7	7.9
82.5°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.4	9.6
81.25°	9.1	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2
80°	10.4	10.7	11.0	11.2	11.5	11.8	12.0	12.2	12.4	12.6	12.8
78.75°	11.8	12.1	12.4	12.6	12.8	13.1	13.3	13.5	13.8	14.0	14.2
77.5°	13.0	13.3	13.6	13.8	14.1	14.4	14.6	14.9	15.1	15.3	15.6
76.25°	14.1	14.4	14.7	15.0	15.3	15.6	15.8	16.1	16.3	16.5	16.7
75°	15.3	15.6	15.9	16.1	16.4	16.7	16.9	17.2	17.4	17.6	17.9
73.75°	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.5	18.8	19.0
72.5°	17.2	17.5	17.8	18.1	18.5	18.7	19.0	19.3	19.6	19.9	20.1
71.25°	18.1	18.4	18.8	19.1	19.4	19.8	20.1	20.4	20.7	20.9	21.2
70°	19.0	19.4	19.7	20.1	20.4	20.8	21.1	21.4	21.7	22.0	22.3
68.75°	19.9	20.3	20.7	21.0	21.4	21.8	22.1	22.5	22.8	23.1	23.4
67.5°	20.8	21.2	21.6	22.0	22.4	22.8	23.1	23.5	23.8	24.4	25.1
66.25°	21.6	22.1	22.5	22.9	23.3	23.7	24.3	25.1	25.8	26.5	27.3
65°	22.5	23.0	23.4	23.9	24.6	25.5	26.3	27.1	27.9	28.7	29.4
63.75°	23.4	23.9	24.7	25.6	26.5	27.4	28.3	29.2	30.0	30.7	31.4
62.5°	24.5	25.5	26.5	27.5	28.4	29.4	30.2	31.0	31.8	32.6	33.3
61.25°	26.2	27.3	28.3	29.3	30.3	31.1	32.0	32.8	33.7	34.5	35.4
60°	27.9	29.0	30.1	31.0	31.9	32.9	33.8	34.7	35.7	36.8	37.8
58.75°	29.6	30.6	31.6	32.6	33.6	34.6	35.8	36.9	38.0	39.1	40.2
57.5°	31.1	32.2	33.2	34.3	35.5	36.7	37.9	39.1	40.3	41.4	42.3
56.25°	32.6	33.7	34.8	36.2	37.5	38.8	40.1	41.3	42.3	43.2	44.1
55°	34.0	35.4	36.8	38.2	39.6	40.9	42.0	43.0	44.0	45.0	46.0
53.75°	35.7	37.2	38.7	40.2	41.5	42.6	43.7	44.8	45.8	46.7	47.5
52.5°	37.5	39.1	40.6	41.9	43.1	44.2	45.4	46.4	47.3	48.2	49.1
51.25°	39.3	40.9	42.2	43.4	44.7	45.9	46.9	47.8	48.8	49.7	50.5
50°	41.1	42.4	43.7	45.0	46.2	47.2	48.3	49.3	50.2	50.8	51.5
48.75°	42.4	43.8	45.2	46.4	47.5	48.6	49.6	50.5	51.2	51.8	52.5
47.5°	43.8	45.2	46.5	47.6	48.8	49.9	50.7	51.4	52.1	52.8	53.6
46.25°	45.2	46.5	47.7	48.9	50.0	50.8	51.6	52.3	53.1	54.0	54.9
45°	46.4	47.6	48.9	50.1	50.9	51.7	52.5	53.3	54.3	55.2	56.2
43.75°	47.5	48.8	50.0	50.9	51.7	52.5	53.5	54.5	55.5	56.5	57.2
42.5°	48.6	49.9	50.8	51.7	52.5	53.5	54.6	55.6	56.6	57.4	58.2
41.25°	49.6	50.7	51.6	52.5	53.5	54.6	55.7	56.7	57.5	58.3	59.1
40°	50.5	51.4	52.3	53.3	54.5	55.6	56.7	57.5	58.4	59.2	60.0
38.75°	51.2	52.1	53.1	54.3	55.5	56.6	57.5	58.4	59.3	60.1	60.9
37.5°	51.8	52.8	54.0	55.2	56.5	57.4	58.3	59.2	60.1	61.0	61.8
36.25°	52.5	53.6	54.9	56.2	57.2	58.2	59.1	60.0	60.9	61.8	63.4
35°	53.2	54.5	55.8	56.9	57.9	58.9	59.9	60.8	61.8	63.3	65.2



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	54.0	55.3	56.6	57.6	58.6	59.6	60.6	61.6	63.1	65.0	66.9
32.5°	54.8	56.1	57.3	58.3	59.3	60.4	61.4	62.7	64.7	66.7	70.1
31.25°	55.5	56.8	57.9	59.0	60.0	61.1	62.1	64.2	66.2	69.1	74.8
30°	56.2	57.4	58.5	59.6	60.7	61.7	63.5	65.7	67.8	73.6	79.5
28.75°	56.9	58.0	59.1	60.2	61.3	62.7	64.9	67.1	71.9	78.0	84.0
27.5°	57.4	58.5	59.7	60.8	61.9	64.0	66.3	69.8	76.0	82.2	91.6
26.25°	57.9	59.1	60.2	61.4	63.0	65.3	67.6	73.6	80.0	88.1	99.0
25°	58.4	59.6	60.8	61.9	64.1	66.5	70.7	77.3	83.8	95.0	106.1
23.75°	58.9	60.1	61.3	62.9	65.3	67.7	74.2	80.9	90.2	101.7	113.1
22.5°	59.3	60.6	61.8	63.9	66.4	70.6	77.5	84.6	96.4	108.1	120.1
21.25°	59.8	61.0	62.4	64.9	67.4	73.7	80.7	90.3	102.3	114.4	126.8
20°	60.2	61.4	63.3	65.8	69.4	76.6	83.7	95.8	108.0	120.5	133.2
18.75°	60.6	61.8	64.2	66.7	72.1	79.3	88.4	100.9	113.4	126.4	139.4
17.5°	60.9	62.4	65.0	67.6	74.6	81.9	93.1	105.8	118.8	132.0	146.1
16.25°	61.3	63.1	65.7	69.4	76.9	84.7	97.6	110.4	123.8	137.3	153.1
15°	61.6	63.8	66.5	71.6	79.1	88.6	101.7	114.9	128.6	142.3	159.7
13.75°	61.9	64.4	67.1	73.5	81.2	92.3	105.6	119.1	133.0	148.1	165.8
12.5°	62.3	65.0	67.7	75.3	83.0	95.7	109.1	123.0	137.0	153.5	171.4
11.25°	62.8	65.5	69.1	76.9	85.3	98.8	112.3	126.5	140.7	158.5	176.6
10°	63.2	66.0	70.5	78.4	87.9	101.6	115.4	129.7	144.6	162.9	181.2
8.75°	63.6	66.4	71.8	79.7	90.3	104.0	118.1	132.5	148.4	166.9	185.3
7.5°	64.0	66.8	72.9	80.8	92.4	106.2	120.4	135.0	151.7	170.3	188.9
6.25°	64.3	67.1	73.8	81.8	94.1	108.0	122.5	137.1	154.5	173.3	192.0
5°	64.5	67.3	74.5	82.6	95.5	109.5	124.1	138.8	156.8	175.7	194.5
3.75°	64.7	67.5	75.1	83.2	96.7	110.7	125.4	140.2	158.6	177.6	196.5
2.5°	64.8	67.7	75.6	83.6	97.5	111.5	126.3	141.1	159.9	178.9	197.9
1.25°	64.9	67.8	75.8	83.9	97.9	112.0	126.9	141.7	160.7	179.7	198.8
0°	65.0	67.8	75.9	84.0	98.1	112.2	127.1	141.9	161.0	180.0	199.1
-1.25°	64.9	67.8	75.8	83.9	97.9	112.0	126.9	141.7	160.7	179.7	198.8
-2.5°	64.8	67.7	75.6	83.6	97.5	111.5	126.3	141.1	159.9	178.9	197.9
-3.75°	64.7	67.5	75.1	83.2	96.7	110.7	125.4	140.2	158.6	177.6	196.5
-5°	64.5	67.3	74.5	82.6	95.5	109.5	124.1	138.8	156.8	175.7	194.5
-6.25°	64.3	67.1	73.8	81.8	94.1	108.0	122.5	137.1	154.5	173.3	192.0
-7.5°	64.0	66.8	72.9	80.8	92.4	106.2	120.4	135.0	151.7	170.3	188.9
-8.75°	63.6	66.4	71.8	79.7	90.3	104.0	118.1	132.5	148.4	166.9	185.3
-10°	63.2	66.0	70.5	78.4	87.9	101.6	115.4	129.7	144.6	162.9	181.2
-11.25°	62.8	65.5	69.1	76.9	85.3	98.8	112.3	126.5	140.7	158.5	176.6
-12.5°	62.3	65.0	67.7	75.3	83.0	95.7	109.1	123.0	137.0	153.5	171.4
-13.75°	61.9	64.4	67.1	73.5	81.2	92.3	105.6	119.1	133.0	148.1	165.8
-15°	61.6	63.8	66.5	71.6	79.1	88.6	101.7	114.9	128.6	142.3	159.7
-16.25°	61.3	63.1	65.7	69.4	76.9	84.7	97.6	110.4	123.8	137.3	153.1
-17.5°	60.9	62.4	65.0	67.6	74.6	81.9	93.1	105.8	118.8	132.0	146.1
-18.75°	60.6	61.8	64.2	66.7	72.1	79.3	88.4	100.9	113.4	126.4	139.4
-20°	60.2	61.4	63.3	65.8	69.4	76.6	83.7	95.8	108.0	120.5	133.2
-21.25°	59.8	61.0	62.4	64.9	67.4	73.7	80.7	90.3	102.3	114.4	126.8



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	59.3	60.6	61.8	63.9	66.4	70.6	77.5	84.6	96.4	108.1	120.1
-23.75°	58.9	60.1	61.3	62.9	65.3	67.7	74.2	80.9	90.2	101.7	113.1
-25°	58.4	59.6	60.8	61.9	64.1	66.5	70.7	77.3	83.8	95.0	106.1
-26.25°	57.9	59.1	60.2	61.4	63.0	65.3	67.6	73.6	80.0	88.1	99.0
-27.5°	57.4	58.5	59.7	60.8	61.9	64.0	66.3	69.8	76.0	82.2	91.6
-28.75°	56.9	58.0	59.1	60.2	61.3	62.7	64.9	67.1	71.9	78.0	84.0
-30°	56.2	57.4	58.5	59.6	60.7	61.7	63.5	65.7	67.8	73.6	79.5
-31.25°	55.5	56.8	57.9	59.0	60.0	61.1	62.1	64.2	66.2	69.1	74.8
-32.5°	54.8	56.1	57.3	58.3	59.3	60.4	61.4	62.7	64.7	66.7	70.1
-33.75°	54.0	55.3	56.6	57.6	58.6	59.6	60.6	61.6	63.1	65.0	66.9
-35°	53.2	54.5	55.8	56.9	57.9	58.9	59.9	60.8	61.8	63.3	65.2
-36.25°	52.5	53.6	54.9	56.2	57.2	58.2	59.1	60.0	60.9	61.8	63.4
-37.5°	51.8	52.8	54.0	55.2	56.5	57.4	58.3	59.2	60.1	61.0	61.8
-38.75°	51.2	52.1	53.1	54.3	55.5	56.6	57.5	58.4	59.3	60.1	60.9
-40°	50.5	51.4	52.3	53.3	54.5	55.6	56.7	57.5	58.4	59.2	60.0
-41.25°	49.6	50.7	51.6	52.5	53.5	54.6	55.7	56.7	57.5	58.3	59.1
-42.5°	48.6	49.9	50.8	51.7	52.5	53.5	54.6	55.6	56.6	57.4	58.2
-43.75°	47.5	48.8	50.0	50.9	51.7	52.5	53.5	54.5	55.5	56.5	57.2
-45°	46.4	47.6	48.9	50.1	50.9	51.7	52.5	53.3	54.3	55.2	56.2
-46.25°	45.2	46.5	47.7	48.9	50.0	50.8	51.6	52.3	53.1	54.0	54.9
-47.5°	43.8	45.2	46.5	47.6	48.8	49.9	50.7	51.4	52.1	52.8	53.6
-48.75°	42.4	43.8	45.2	46.4	47.5	48.6	49.6	50.5	51.2	51.8	52.5
-50°	41.1	42.4	43.7	45.0	46.2	47.2	48.3	49.3	50.2	50.8	51.5
-51.25°	39.3	40.9	42.2	43.4	44.7	45.9	46.9	47.8	48.8	49.7	50.5
-52.5°	37.5	39.1	40.6	41.9	43.1	44.2	45.4	46.4	47.3	48.2	49.1
-53.75°	35.7	37.2	38.7	40.2	41.5	42.6	43.7	44.8	45.8	46.7	47.5
-55°	34.0	35.4	36.8	38.2	39.6	40.9	42.0	43.0	44.0	45.0	46.0
-56.25°	32.6	33.7	34.8	36.2	37.5	38.8	40.1	41.3	42.3	43.2	44.1
-57.5°	31.1	32.2	33.2	34.3	35.5	36.7	37.9	39.1	40.3	41.4	42.3
-58.75°	29.6	30.6	31.6	32.6	33.6	34.6	35.8	36.9	38.0	39.1	40.2
-60°	27.9	29.0	30.1	31.0	31.9	32.9	33.8	34.7	35.7	36.8	37.8
-61.25°	26.2	27.3	28.3	29.3	30.3	31.1	32.0	32.8	33.7	34.5	35.4
-62.5°	24.5	25.5	26.5	27.5	28.4	29.4	30.2	31.0	31.8	32.6	33.3
-63.75°	23.4	23.9	24.7	25.6	26.5	27.4	28.3	29.2	30.0	30.7	31.4
-65°	22.5	23.0	23.4	23.9	24.6	25.5	26.3	27.1	27.9	28.7	29.4
-66.25°	21.6	22.1	22.5	22.9	23.3	23.7	24.3	25.1	25.8	26.5	27.3
-67.5°	20.8	21.2	21.6	22.0	22.4	22.8	23.1	23.5	23.8	24.4	25.1
-68.75°	19.9	20.3	20.7	21.0	21.4	21.8	22.1	22.5	22.8	23.1	23.4
-70°	19.0	19.4	19.7	20.1	20.4	20.8	21.1	21.4	21.7	22.0	22.3
-71.25°	18.1	18.4	18.8	19.1	19.4	19.8	20.1	20.4	20.7	20.9	21.2
-72.5°	17.2	17.5	17.8	18.1	18.5	18.7	19.0	19.3	19.6	19.9	20.1
-73.75°	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.5	18.8	19.0
-75°	15.3	15.6	15.9	16.1	16.4	16.7	16.9	17.2	17.4	17.6	17.9
-76.25°	14.1	14.4	14.7	15.0	15.3	15.6	15.8	16.1	16.3	16.5	16.7
-77.5°	13.0	13.3	13.6	13.8	14.1	14.4	14.6	14.9	15.1	15.3	15.6



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	11.8	12.1	12.4	12.6	12.8	13.1	13.3	13.5	13.8	14.0	14.2
-80°	10.4	10.7	11.0	11.2	11.5	11.8	12.0	12.2	12.4	12.6	12.8
-81.25°	9.1	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2
-82.5°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.4	9.6
-83.75°	6.3	6.5	6.6	6.8	7.0	7.1	7.3	7.4	7.6	7.7	7.9
-85°	4.9	5.0	5.1	5.3	5.4	5.5	5.7	5.8	5.9	6.0	6.1
-86.25°	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.4
-87.5°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8
-88.75°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	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: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
87.5°	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
86.25°	4.5	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.2
85°	6.2	6.3	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1
83.75°	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1
82.5°	9.7	9.9	10.0	10.2	10.3	10.4	10.6	10.7	10.8	10.9	11.0
81.25°	11.4	11.6	11.8	12.0	12.1	12.2	12.4	12.5	12.6	12.7	12.8
80°	12.9	13.1	13.3	13.5	13.6	13.8	13.9	14.0	14.2	14.3	14.4
78.75°	14.4	14.6	14.8	14.9	15.1	15.3	15.5	15.6	15.7	15.8	15.9
77.5°	15.7	15.9	16.1	16.3	16.4	16.6	16.7	16.9	17.0	17.2	17.3
76.25°	16.9	17.1	17.3	17.5	17.7	17.9	18.0	18.2	18.3	18.5	18.6
75°	18.1	18.3	18.5	18.7	18.9	19.1	19.3	19.4	19.6	19.7	19.9
73.75°	19.2	19.5	19.7	19.9	20.1	20.3	20.5	20.7	20.9	21.0	21.2
72.5°	20.4	20.6	20.9	21.1	21.3	21.5	21.7	21.9	22.1	22.3	22.5
71.25°	21.5	21.8	22.0	22.3	22.5	22.7	23.0	23.2	23.4	23.6	23.7
70°	22.6	22.9	23.2	23.4	23.7	23.9	24.4	24.8	25.2	25.7	26.1
68.75°	23.7	24.1	24.7	25.2	25.8	26.3	26.8	27.3	27.8	28.2	28.6
67.5°	25.7	26.4	27.0	27.6	28.2	28.7	29.2	29.7	30.2	30.6	31.0
66.25°	27.9	28.6	29.3	29.9	30.4	31.0	31.5	31.9	32.4	32.9	33.3
65°	30.1	30.7	31.4	32.0	32.5	33.1	33.6	34.1	34.7	35.2	35.8
63.75°	32.1	32.8	33.4	34.0	34.7	35.4	36.1	36.8	37.5	38.1	38.7
62.5°	34.0	34.8	35.7	36.5	37.3	38.1	38.8	39.6	40.2	40.9	41.4
61.25°	36.4	37.3	38.2	39.1	39.9	40.8	41.4	42.0	42.6	43.1	43.7
60°	38.8	39.8	40.8	41.5	42.2	42.9	43.6	44.2	44.8	45.4	45.9
58.75°	41.2	42.0	42.8	43.6	44.3	45.0	45.7	46.3	46.8	47.3	47.8
57.5°	43.1	44.0	44.8	45.6	46.3	46.9	47.5	48.1	48.7	49.2	49.7
56.25°	45.0	45.9	46.6	47.3	48.0	48.7	49.3	49.9	50.4	50.7	51.1
55°	46.8	47.6	48.3	49.0	49.7	50.3	50.8	51.2	51.6	52.0	52.3
53.75°	48.4	49.2	50.0	50.5	51.0	51.5	51.9	52.4	52.8	53.3	53.8
52.5°	50.0	50.6	51.1	51.6	52.1	52.6	53.2	53.8	54.3	54.9	55.4
51.25°	51.0	51.6	52.2	52.7	53.4	54.0	54.7	55.3	55.9	56.4	56.9
50°	52.1	52.7	53.4	54.1	54.8	55.5	56.2	56.7	57.2	57.7	58.1
48.75°	53.2	54.0	54.8	55.5	56.2	56.9	57.4	57.9	58.4	58.9	59.3
47.5°	54.5	55.3	56.1	56.8	57.4	58.0	58.5	59.1	59.6	60.1	60.6
46.25°	55.8	56.6	57.3	57.9	58.5	59.1	59.7	60.2	60.8	61.3	61.8
45°	56.9	57.6	58.3	59.0	59.6	60.2	60.8	61.4	61.9	62.9	63.9
43.75°	57.9	58.6	59.3	60.0	60.7	61.3	61.9	63.0	64.1	65.3	66.4
42.5°	58.9	59.6	60.4	61.1	61.7	62.7	64.0	65.3	66.5	67.7	70.6
41.25°	59.9	60.6	61.4	62.1	63.5	64.9	66.3	67.6	70.7	74.2	77.5
40°	60.8	61.6	62.7	64.2	65.7	67.1	69.8	73.6	77.3	80.9	84.6
38.75°	61.8	63.1	64.7	66.2	67.8	71.9	76.0	80.0	83.8	90.2	96.4
37.5°	63.3	65.0	66.7	69.1	73.6	78.0	82.2	88.1	95.0	101.7	108.1
36.25°	65.2	66.9	70.1	74.8	79.5	84.0	91.6	99.0	106.1	113.1	120.1
35°	67.0	70.6	75.6	80.4	86.1	94.2	102.1	109.7	117.4	124.9	132.2



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	70.6	75.8	80.9	87.4	96.0	104.3	112.4	120.8	128.8	136.6	144.8
32.5°	75.6	80.9	87.9	96.9	105.7	114.4	123.2	131.8	140.1	150.0	160.0
31.25°	80.4	87.4	96.9	106.1	115.3	124.7	133.8	142.9	153.9	164.6	175.0
30°	86.1	96.0	105.7	115.3	125.2	134.8	144.8	156.5	168.0	179.0	189.8
28.75°	94.2	104.3	114.4	124.7	134.8	145.4	157.9	170.0	181.8	193.2	204.3
27.5°	102.1	112.4	123.2	133.8	144.8	157.9	170.6	183.1	195.3	207.1	218.8
26.25°	109.7	120.8	131.8	142.9	156.5	170.0	183.1	196.0	208.6	221.7	237.8
25°	117.4	128.8	140.1	153.9	168.0	181.8	195.3	208.6	222.7	239.8	256.4
23.75°	124.9	136.6	150.0	164.6	179.0	193.2	207.1	221.7	239.8	257.4	275.3
22.5°	132.2	144.8	160.0	175.0	189.8	204.3	218.8	237.8	256.4	275.3	295.7
21.25°	139.2	154.1	169.6	184.9	200.1	215.0	233.8	253.3	272.9	294.5	315.5
20°	147.0	163.0	178.8	194.5	210.0	227.8	248.2	268.3	290.8	313.0	335.7
18.75°	155.1	171.4	187.6	203.6	220.0	241.2	262.1	284.6	307.9	331.1	357.6
17.5°	162.8	179.5	196.0	212.3	232.2	253.9	276.1	300.4	324.4	351.0	390.5
16.25°	170.1	187.1	203.9	221.4	243.8	265.9	290.6	315.5	341.8	377.9	437.9
15°	177.0	194.2	211.3	231.9	254.6	278.4	304.2	329.8	360.6	411.2	494.1
13.75°	183.3	200.8	218.2	241.6	264.8	290.6	316.9	345.3	386.3	458.0	558.5
12.5°	189.2	206.9	226.9	250.6	274.9	302.0	328.8	361.6	417.7	509.6	624.1
11.25°	194.6	212.6	234.8	258.9	284.9	312.4	341.4	382.6	456.2	562.7	686.8
10°	199.4	217.6	242.0	266.4	293.9	321.8	352.9	403.0	495.9	615.5	747.7
8.75°	203.8	223.6	248.3	273.6	302.0	330.5	367.1	432.9	537.2	664.5	802.5
7.5°	207.5	228.9	253.9	280.3	309.0	339.0	381.5	459.1	573.6	708.7	849.0
6.25°	210.7	233.4	258.7	286.0	315.0	346.4	393.8	483.2	608.2	748.1	888.6
5°	213.4	237.2	262.6	290.8	320.0	352.4	406.6	507.6	637.3	780.7	921.5
3.75°	215.4	240.1	265.6	294.5	323.9	357.6	420.4	526.8	660.0	806.3	945.4
2.5°	216.9	242.2	267.8	297.1	326.7	363.0	430.3	540.6	676.4	824.0	962.4
1.25°	217.8	243.4	269.2	298.7	328.3	366.3	436.3	548.9	686.3	834.6	972.7
0°	218.1	243.9	269.6	299.3	328.9	367.4	438.3	551.6	689.6	838.2	976.2
-1.25°	217.8	243.4	269.2	298.7	328.3	366.3	436.3	548.9	686.3	834.6	972.7
-2.5°	216.9	242.2	267.8	297.1	326.7	363.0	430.3	540.6	676.4	824.0	962.4
-3.75°	215.4	240.1	265.6	294.5	323.9	357.6	420.4	526.8	660.0	806.3	945.4
-5°	213.4	237.2	262.6	290.8	320.0	352.4	406.6	507.6	637.3	780.7	921.5
-6.25°	210.7	233.4	258.7	286.0	315.0	346.4	393.8	483.2	608.2	748.1	888.6
-7.5°	207.5	228.9	253.9	280.3	309.0	339.0	381.5	459.1	573.6	708.7	849.0
-8.75°	203.8	223.6	248.3	273.6	302.0	330.5	367.1	432.9	537.2	664.5	802.5
-10°	199.4	217.6	242.0	266.4	293.9	321.8	352.9	403.0	495.9	615.5	747.7
-11.25°	194.6	212.6	234.8	258.9	284.9	312.4	341.4	382.6	456.2	562.7	686.8
-12.5°	189.2	206.9	226.9	250.6	274.9	302.0	328.8	361.6	417.7	509.6	624.1
-13.75°	183.3	200.8	218.2	241.6	264.8	290.6	316.9	345.3	386.3	458.0	558.5
-15°	177.0	194.2	211.3	231.9	254.6	278.4	304.2	329.8	360.6	411.2	494.1
-16.25°	170.1	187.1	203.9	221.4	243.8	265.9	290.6	315.5	341.8	377.9	437.9
-17.5°	162.8	179.5	196.0	212.3	232.2	253.9	276.1	300.4	324.4	351.0	390.5
-18.75°	155.1	171.4	187.6	203.6	220.0	241.2	262.1	284.6	307.9	331.1	357.6
-20°	147.0	163.0	178.8	194.5	210.0	227.8	248.2	268.3	290.8	313.0	335.7
-21.25°	139.2	154.1	169.6	184.9	200.1	215.0	233.8	253.3	272.9	294.5	315.5



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	132.2	144.8	160.0	175.0	189.8	204.3	218.8	237.8	256.4	275.3	295.7
-23.75°	124.9	136.6	150.0	164.6	179.0	193.2	207.1	221.7	239.8	257.4	275.3
-25°	117.4	128.8	140.1	153.9	168.0	181.8	195.3	208.6	222.7	239.8	256.4
-26.25°	109.7	120.8	131.8	142.9	156.5	170.0	183.1	196.0	208.6	221.7	237.8
-27.5°	102.1	112.4	123.2	133.8	144.8	157.9	170.6	183.1	195.3	207.1	218.8
-28.75°	94.2	104.3	114.4	124.7	134.8	145.4	157.9	170.0	181.8	193.2	204.3
-30°	86.1	96.0	105.7	115.3	125.2	134.8	144.8	156.5	168.0	179.0	189.8
-31.25°	80.4	87.4	96.9	106.1	115.3	124.7	133.8	142.9	153.9	164.6	175.0
-32.5°	75.6	80.9	87.9	96.9	105.7	114.4	123.2	131.8	140.1	150.0	160.0
-33.75°	70.6	75.8	80.9	87.4	96.0	104.3	112.4	120.8	128.8	136.6	144.8
-35°	67.0	70.6	75.6	80.4	86.1	94.2	102.1	109.7	117.4	124.9	132.2
-36.25°	65.2	66.9	70.1	74.8	79.5	84.0	91.6	99.0	106.1	113.1	120.1
-37.5°	63.3	65.0	66.7	69.1	73.6	78.0	82.2	88.1	95.0	101.7	108.1
-38.75°	61.8	63.1	64.7	66.2	67.8	71.9	76.0	80.0	83.8	90.2	96.4
-40°	60.8	61.6	62.7	64.2	65.7	67.1	69.8	73.6	77.3	80.9	84.6
-41.25°	59.9	60.6	61.4	62.1	63.5	64.9	66.3	67.6	70.7	74.2	77.5
-42.5°	58.9	59.6	60.4	61.1	61.7	62.7	64.0	65.3	66.5	67.7	70.6
-43.75°	57.9	58.6	59.3	60.0	60.7	61.3	61.9	63.0	64.1	65.3	66.4
-45°	56.9	57.6	58.3	59.0	59.6	60.2	60.8	61.4	61.9	62.9	63.9
-46.25°	55.8	56.6	57.3	57.9	58.5	59.1	59.7	60.2	60.8	61.3	61.8
-47.5°	54.5	55.3	56.1	56.8	57.4	58.0	58.5	59.1	59.6	60.1	60.6
-48.75°	53.2	54.0	54.8	55.5	56.2	56.9	57.4	57.9	58.4	58.9	59.3
-50°	52.1	52.7	53.4	54.1	54.8	55.5	56.2	56.7	57.2	57.7	58.1
-51.25°	51.0	51.6	52.2	52.7	53.4	54.0	54.7	55.3	55.9	56.4	56.9
-52.5°	50.0	50.6	51.1	51.6	52.1	52.6	53.2	53.8	54.3	54.9	55.4
-53.75°	48.4	49.2	50.0	50.5	51.0	51.5	51.9	52.4	52.8	53.3	53.8
-55°	46.8	47.6	48.3	49.0	49.7	50.3	50.8	51.2	51.6	52.0	52.3
-56.25°	45.0	45.9	46.6	47.3	48.0	48.7	49.3	49.9	50.4	50.7	51.1
-57.5°	43.1	44.0	44.8	45.6	46.3	46.9	47.5	48.1	48.7	49.2	49.7
-58.75°	41.2	42.0	42.8	43.6	44.3	45.0	45.7	46.3	46.8	47.3	47.8
-60°	38.8	39.8	40.8	41.5	42.2	42.9	43.6	44.2	44.8	45.4	45.9
-61.25°	36.4	37.3	38.2	39.1	39.9	40.8	41.4	42.0	42.6	43.1	43.7
-62.5°	34.0	34.8	35.7	36.5	37.3	38.1	38.8	39.6	40.2	40.9	41.4
-63.75°	32.1	32.8	33.4	34.0	34.7	35.4	36.1	36.8	37.5	38.1	38.7
-65°	30.1	30.7	31.4	32.0	32.5	33.1	33.6	34.1	34.7	35.2	35.8
-66.25°	27.9	28.6	29.3	29.9	30.4	31.0	31.5	31.9	32.4	32.9	33.3
-67.5°	25.7	26.4	27.0	27.6	28.2	28.7	29.2	29.7	30.2	30.6	31.0
-68.75°	23.7	24.1	24.7	25.2	25.8	26.3	26.8	27.3	27.8	28.2	28.6
-70°	22.6	22.9	23.2	23.4	23.7	23.9	24.4	24.8	25.2	25.7	26.1
-71.25°	21.5	21.8	22.0	22.3	22.5	22.7	23.0	23.2	23.4	23.6	23.7
-72.5°	20.4	20.6	20.9	21.1	21.3	21.5	21.7	21.9	22.1	22.3	22.5
-73.75°	19.2	19.5	19.7	19.9	20.1	20.3	20.5	20.7	20.9	21.0	21.2
-75°	18.1	18.3	18.5	18.7	18.9	19.1	19.3	19.4	19.6	19.7	19.9
-76.25°	16.9	17.1	17.3	17.5	17.7	17.9	18.0	18.2	18.3	18.5	18.6
-77.5°	15.7	15.9	16.1	16.3	16.4	16.6	16.7	16.9	17.0	17.2	17.3



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	14.4	14.6	14.8	14.9	15.1	15.3	15.5	15.6	15.7	15.8	15.9
-80°	12.9	13.1	13.3	13.5	13.6	13.8	13.9	14.0	14.2	14.3	14.4
-81.25°	11.4	11.6	11.8	12.0	12.1	12.2	12.4	12.5	12.6	12.7	12.8
-82.5°	9.7	9.9	10.0	10.2	10.3	10.4	10.6	10.7	10.8	10.9	11.0
-83.75°	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1
-85°	6.2	6.3	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1
-86.25°	4.5	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.2
-87.5°	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
-88.75°	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
86.25°	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6
85°	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7
83.75°	9.2	9.3	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.7	9.8
82.5°	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.9
81.25°	12.9	13.0	13.1	13.2	13.3	13.3	13.4	13.5	13.5	13.6	13.6
80°	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.2	15.3	15.3
78.75°	16.1	16.2	16.2	16.3	16.4	16.5	16.6	16.6	16.7	16.7	16.8
77.5°	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.1	18.2	18.2
76.25°	18.7	18.9	19.0	19.1	19.2	19.3	19.4	19.4	19.5	19.6	19.6
75°	20.0	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	20.9	21.0
73.75°	21.3	21.5	21.6	21.7	21.9	22.0	22.1	22.2	22.2	22.3	22.4
72.5°	22.6	22.8	22.9	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8
71.25°	23.9	24.2	24.5	24.8	25.1	25.3	25.6	25.8	26.0	26.1	26.3
70°	26.4	26.8	27.1	27.4	27.7	28.0	28.3	28.5	28.7	28.9	29.1
68.75°	29.0	29.4	29.7	30.0	30.3	30.6	30.8	31.0	31.2	31.4	31.6
67.5°	31.4	31.8	32.1	32.4	32.7	33.0	33.2	33.5	33.7	33.9	34.0
66.25°	33.7	34.1	34.4	34.8	35.2	35.6	35.9	36.2	36.5	36.8	37.0
65°	36.4	36.9	37.3	37.8	38.2	38.6	39.0	39.3	39.6	39.9	40.1
63.75°	39.2	39.8	40.3	40.8	41.2	41.5	41.8	42.1	42.3	42.5	42.7
62.5°	41.9	42.3	42.8	43.2	43.5	43.9	44.2	44.5	44.8	45.0	45.2
61.25°	44.2	44.6	45.1	45.5	45.9	46.2	46.5	46.8	47.0	47.2	47.4
60°	46.4	46.8	47.2	47.5	47.9	48.2	48.5	48.8	49.0	49.3	49.5
58.75°	48.3	48.7	49.1	49.5	49.9	50.2	50.4	50.6	50.8	50.9	51.0
57.5°	50.2	50.5	50.8	51.0	51.3	51.5	51.7	51.9	52.1	52.3	52.4
56.25°	51.4	51.7	52.1	52.3	52.6	52.8	53.1	53.4	53.6	53.9	54.1
55°	52.7	53.1	53.5	53.9	54.2	54.5	54.9	55.1	55.4	55.6	55.8
53.75°	54.3	54.7	55.1	55.5	55.9	56.3	56.6	56.8	57.0	57.2	57.4
52.5°	55.9	56.3	56.7	57.1	57.4	57.6	57.9	58.1	58.4	58.6	58.7
51.25°	57.3	57.7	58.0	58.4	58.7	59.0	59.2	59.5	59.7	59.9	60.1
50°	58.5	58.9	59.3	59.6	60.0	60.3	60.6	60.8	61.1	61.3	61.5
48.75°	59.8	60.2	60.6	60.9	61.3	61.6	61.9	62.3	62.8	63.2	63.6
47.5°	61.0	61.4	61.8	62.4	63.1	63.8	64.4	65.0	65.5	66.0	66.4
46.25°	62.4	63.3	64.2	65.0	65.7	66.5	67.1	67.7	69.1	70.5	71.8
45°	64.9	65.8	66.7	67.6	69.4	71.6	73.5	75.3	76.9	78.4	79.7
43.75°	67.4	69.4	72.1	74.6	76.9	79.1	81.2	83.0	85.3	87.9	90.3
42.5°	73.7	76.6	79.3	81.9	84.7	88.6	92.3	95.7	98.8	101.6	104.0
41.25°	80.7	83.7	88.4	93.1	97.6	101.7	105.6	109.1	112.3	115.4	118.1
40°	90.3	95.8	100.9	105.8	110.4	114.9	119.1	123.0	126.5	129.7	132.5
38.75°	102.3	108.0	113.4	118.8	123.8	128.6	133.0	137.0	140.7	144.6	148.4
37.5°	114.4	120.5	126.4	132.0	137.3	142.3	148.1	153.5	158.5	162.9	166.9
36.25°	126.8	133.2	139.4	146.1	153.1	159.7	165.8	171.4	176.6	181.2	185.3
35°	139.2	147.0	155.1	162.8	170.1	177.0	183.3	189.2	194.6	199.4	203.8



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	154.1	163.0	171.4	179.5	187.1	194.2	200.8	206.9	212.6	217.6	223.6
32.5°	169.6	178.8	187.6	196.0	203.9	211.3	218.2	226.9	234.8	242.0	248.3
31.25°	184.9	194.5	203.6	212.3	221.4	231.9	241.6	250.6	258.9	266.4	273.6
30°	200.1	210.0	220.0	232.2	243.8	254.6	264.8	274.9	284.9	293.9	302.0
28.75°	215.0	227.8	241.2	253.9	265.9	278.4	290.6	302.0	312.4	321.8	330.5
27.5°	233.8	248.2	262.1	276.1	290.6	304.2	316.9	328.8	341.4	352.9	367.1
26.25°	253.3	268.3	284.6	300.4	315.5	329.8	345.3	361.6	382.6	403.0	432.9
25°	272.9	290.8	307.9	324.4	341.8	360.6	386.3	417.7	456.2	495.9	537.2
23.75°	294.5	313.0	331.1	351.0	377.9	411.2	458.0	509.6	562.7	615.5	664.5
22.5°	315.5	335.7	357.6	390.5	437.9	494.1	558.5	624.1	686.8	747.7	802.5
21.25°	337.2	362.5	398.1	456.0	524.5	598.3	674.2	748.8	818.5	879.7	934.0
20°	362.5	400.9	465.0	542.9	626.6	711.9	796.4	872.6	941.3	1000.3	1048.0
18.75°	398.1	465.0	549.1	640.9	735.4	827.7	912.0	985.6	1047.8	1096.2	1128.9
17.5°	456.0	542.9	640.9	743.2	843.1	934.9	1015.7	1077.8	1124.6	1157.1	1183.2
16.25°	524.5	626.6	735.4	843.1	942.2	1030.3	1096.1	1140.6	1175.5	1205.2	1233.6
15°	598.3	711.9	827.7	934.9	1030.3	1102.2	1148.7	1186.3	1220.9	1253.9	1284.1
13.75°	674.2	796.4	912.0	1015.7	1096.1	1148.7	1190.0	1228.8	1266.3	1301.3	1333.5
12.5°	748.8	872.6	985.6	1077.8	1140.6	1186.3	1228.8	1270.5	1310.0	1347.2	1380.1
11.25°	818.5	941.3	1047.8	1124.6	1175.5	1220.9	1266.3	1310.0	1351.6	1389.4	1430.1
10°	879.7	1000.3	1096.2	1157.1	1205.2	1253.9	1301.3	1347.2	1389.4	1435.8	1481.6
8.75°	934.0	1048.0	1128.9	1183.2	1233.6	1284.1	1333.5	1380.1	1430.1	1481.6	1531.4
7.5°	978.6	1084.8	1153.7	1205.9	1259.0	1311.2	1361.9	1413.1	1468.8	1524.5	1575.9
6.25°	1017.0	1113.9	1173.2	1226.6	1281.0	1334.9	1386.3	1443.8	1504.0	1562.1	1613.6
5°	1044.3	1130.7	1188.6	1243.9	1299.5	1354.5	1409.7	1471.3	1534.3	1593.0	1644.3
3.75°	1063.9	1143.9	1200.8	1257.5	1314.3	1369.7	1428.8	1493.4	1558.3	1616.6	1666.6
2.5°	1077.9	1153.4	1209.8	1267.4	1325.0	1380.8	1442.9	1509.8	1575.1	1633.4	1683.1
1.25°	1086.5	1159.2	1215.4	1273.4	1331.5	1387.5	1451.9	1519.8	1585.4	1643.9	1692.6
0°	1089.3	1161.1	1217.3	1275.5	1333.7	1389.8	1454.9	1523.2	1588.9	1647.4	1695.6
-1.25°	1086.5	1159.2	1215.4	1273.4	1331.5	1387.5	1451.9	1519.8	1585.4	1643.9	1692.6
-2.5°	1077.9	1153.4	1209.8	1267.4	1325.0	1380.8	1442.9	1509.8	1575.1	1633.4	1683.1
-3.75°	1063.9	1143.9	1200.8	1257.5	1314.3	1369.7	1428.8	1493.4	1558.3	1616.6	1666.6
-5°	1044.3	1130.7	1188.6	1243.9	1299.5	1354.5	1409.7	1471.3	1534.3	1593.0	1644.3
-6.25°	1017.0	1113.9	1173.2	1226.6	1281.0	1334.9	1386.3	1443.8	1504.0	1562.1	1613.6
-7.5°	978.6	1084.8	1153.7	1205.9	1259.0	1311.2	1361.9	1413.1	1468.8	1524.5	1575.9
-8.75°	934.0	1048.0	1128.9	1183.2	1233.6	1284.1	1333.5	1380.1	1430.1	1481.6	1531.4
-10°	879.7	1000.3	1096.2	1157.1	1205.2	1253.9	1301.3	1347.2	1389.4	1435.8	1481.6
-11.25°	818.5	941.3	1047.8	1124.6	1175.5	1220.9	1266.3	1310.0	1351.6	1389.4	1430.1
-12.5°	748.8	872.6	985.6	1077.8	1140.6	1186.3	1228.8	1270.5	1310.0	1347.2	1380.1
-13.75°	674.2	796.4	912.0	1015.7	1096.1	1148.7	1190.0	1228.8	1266.3	1301.3	1333.5
-15°	598.3	711.9	827.7	934.9	1030.3	1102.2	1148.7	1186.3	1220.9	1253.9	1284.1
-16.25°	524.5	626.6	735.4	843.1	942.2	1030.3	1096.1	1140.6	1175.5	1205.2	1233.6
-17.5°	456.0	542.9	640.9	743.2	843.1	934.9	1015.7	1077.8	1124.6	1157.1	1183.2
-18.75°	398.1	465.0	549.1	640.9	735.4	827.7	912.0	985.6	1047.8	1096.2	1128.9
-20°	362.5	400.9	465.0	542.9	626.6	711.9	796.4	872.6	941.3	1000.3	1048.0
-21.25°	337.2	362.5	398.1	456.0	524.5	598.3	674.2	748.8	818.5	879.7	934.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	315.5	335.7	357.6	390.5	437.9	494.1	558.5	624.1	686.8	747.7	802.5
-23.75°	294.5	313.0	331.1	351.0	377.9	411.2	458.0	509.6	562.7	615.5	664.5
-25°	272.9	290.8	307.9	324.4	341.8	360.6	386.3	417.7	456.2	495.9	537.2
-26.25°	253.3	268.3	284.6	300.4	315.5	329.8	345.3	361.6	382.6	403.0	432.9
-27.5°	233.8	248.2	262.1	276.1	290.6	304.2	316.9	328.8	341.4	352.9	367.1
-28.75°	215.0	227.8	241.2	253.9	265.9	278.4	290.6	302.0	312.4	321.8	330.5
-30°	200.1	210.0	220.0	232.2	243.8	254.6	264.8	274.9	284.9	293.9	302.0
-31.25°	184.9	194.5	203.6	212.3	221.4	231.9	241.6	250.6	258.9	266.4	273.6
-32.5°	169.6	178.8	187.6	196.0	203.9	211.3	218.2	226.9	234.8	242.0	248.3
-33.75°	154.1	163.0	171.4	179.5	187.1	194.2	200.8	206.9	212.6	217.6	223.6
-35°	139.2	147.0	155.1	162.8	170.1	177.0	183.3	189.2	194.6	199.4	203.8
-36.25°	126.8	133.2	139.4	146.1	153.1	159.7	165.8	171.4	176.6	181.2	185.3
-37.5°	114.4	120.5	126.4	132.0	137.3	142.3	148.1	153.5	158.5	162.9	166.9
-38.75°	102.3	108.0	113.4	118.8	123.8	128.6	133.0	137.0	140.7	144.6	148.4
-40°	90.3	95.8	100.9	105.8	110.4	114.9	119.1	123.0	126.5	129.7	132.5
-41.25°	80.7	83.7	88.4	93.1	97.6	101.7	105.6	109.1	112.3	115.4	118.1
-42.5°	73.7	76.6	79.3	81.9	84.7	88.6	92.3	95.7	98.8	101.6	104.0
-43.75°	67.4	69.4	72.1	74.6	76.9	79.1	81.2	83.0	85.3	87.9	90.3
-45°	64.9	65.8	66.7	67.6	69.4	71.6	73.5	75.3	76.9	78.4	79.7
-46.25°	62.4	63.3	64.2	65.0	65.7	66.5	67.1	67.7	69.1	70.5	71.8
-47.5°	61.0	61.4	61.8	62.4	63.1	63.8	64.4	65.0	65.5	66.0	66.4
-48.75°	59.8	60.2	60.6	60.9	61.3	61.6	61.9	62.3	62.8	63.2	63.6
-50°	58.5	58.9	59.3	59.6	60.0	60.3	60.6	60.8	61.1	61.3	61.5
-51.25°	57.3	57.7	58.0	58.4	58.7	59.0	59.2	59.5	59.7	59.9	60.1
-52.5°	55.9	56.3	56.7	57.1	57.4	57.6	57.9	58.1	58.4	58.6	58.7
-53.75°	54.3	54.7	55.1	55.5	55.9	56.3	56.6	56.8	57.0	57.2	57.4
-55°	52.7	53.1	53.5	53.9	54.2	54.5	54.9	55.1	55.4	55.6	55.8
-56.25°	51.4	51.7	52.1	52.3	52.6	52.8	53.1	53.4	53.6	53.9	54.1
-57.5°	50.2	50.5	50.8	51.0	51.3	51.5	51.7	51.9	52.1	52.3	52.4
-58.75°	48.3	48.7	49.1	49.5	49.9	50.2	50.4	50.6	50.8	50.9	51.0
-60°	46.4	46.8	47.2	47.5	47.9	48.2	48.5	48.8	49.0	49.3	49.5
-61.25°	44.2	44.6	45.1	45.5	45.9	46.2	46.5	46.8	47.0	47.2	47.4
-62.5°	41.9	42.3	42.8	43.2	43.5	43.9	44.2	44.5	44.8	45.0	45.2
-63.75°	39.2	39.8	40.3	40.8	41.2	41.5	41.8	42.1	42.3	42.5	42.7
-65°	36.4	36.9	37.3	37.8	38.2	38.6	39.0	39.3	39.6	39.9	40.1
-66.25°	33.7	34.1	34.4	34.8	35.2	35.6	35.9	36.2	36.5	36.8	37.0
-67.5°	31.4	31.8	32.1	32.4	32.7	33.0	33.2	33.5	33.7	33.9	34.0
-68.75°	29.0	29.4	29.7	30.0	30.3	30.6	30.8	31.0	31.2	31.4	31.6
-70°	26.4	26.8	27.1	27.4	27.7	28.0	28.3	28.5	28.7	28.9	29.1
-71.25°	23.9	24.2	24.5	24.8	25.1	25.3	25.6	25.8	26.0	26.1	26.3
-72.5°	22.6	22.8	22.9	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8
-73.75°	21.3	21.5	21.6	21.7	21.9	22.0	22.1	22.2	22.2	22.3	22.4
-75°	20.0	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	20.9	21.0
-76.25°	18.7	18.9	19.0	19.1	19.2	19.3	19.4	19.4	19.5	19.6	19.6
-77.5°	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.1	18.2	18.2



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	16.1	16.2	16.2	16.3	16.4	16.5	16.6	16.6	16.7	16.7	16.8
-80°	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.2	15.3	15.3
-81.25°	12.9	13.0	13.1	13.2	13.3	13.3	13.4	13.5	13.5	13.6	13.6
-82.5°	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.9
-83.75°	9.2	9.3	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.7	9.8
-85°	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7
-86.25°	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6
-87.5°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
-88.75°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	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: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
86.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
85°	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
83.75°	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
82.5°	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
81.25°	13.6	13.7	13.7	13.7	13.7	13.7	13.8	13.7	13.7	13.7	13.7
80°	15.4	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.4
78.75°	16.8	16.9	16.9	16.9	16.9	16.9	17.0	16.9	16.9	16.9	16.9
77.5°	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3
76.25°	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.7
75°	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.1
73.75°	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.5
72.5°	23.8	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.9
71.25°	26.4	26.5	26.6	26.7	26.8	26.8	26.8	26.8	26.8	26.7	26.6
70°	29.2	29.3	29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.5	29.4
68.75°	31.7	31.8	31.9	32.0	32.1	32.1	32.1	32.1	32.1	32.0	31.9
67.5°	34.2	34.3	34.4	34.5	34.6	34.6	34.6	34.6	34.6	34.5	34.4
66.25°	37.2	37.4	37.5	37.6	37.7	37.7	37.8	37.7	37.7	37.6	37.5
65°	40.3	40.5	40.6	40.8	40.8	40.9	40.9	40.9	40.8	40.8	40.6
63.75°	42.9	43.1	43.2	43.3	43.3	43.4	43.4	43.4	43.3	43.3	43.2
62.5°	45.4	45.5	45.7	45.8	45.8	45.9	45.9	45.9	45.8	45.8	45.7
61.25°	47.5	47.7	47.8	47.9	47.9	48.0	48.0	48.0	47.9	47.9	47.8
60°	49.6	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.0	50.0	49.9
58.75°	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.4	51.4
57.5°	52.6	52.7	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.8	52.7
56.25°	54.2	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.6	54.6	54.5
55°	56.0	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.4	56.4	56.3
53.75°	57.5	57.6	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.8	57.7
52.5°	58.9	59.0	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.2	59.1
51.25°	60.3	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.6	60.5
50°	61.6	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.0	62.0	61.9
48.75°	64.0	64.3	64.5	64.7	64.8	64.9	65.0	64.9	64.8	64.7	64.5
47.5°	66.8	67.1	67.3	67.5	67.7	67.8	67.8	67.8	67.7	67.5	67.3
46.25°	72.9	73.8	74.5	75.1	75.6	75.8	75.9	75.8	75.6	75.1	74.5
45°	80.8	81.8	82.6	83.2	83.6	83.9	84.0	83.9	83.6	83.2	82.6
43.75°	92.4	94.1	95.5	96.7	97.5	97.9	98.1	97.9	97.5	96.7	95.5
42.5°	106.2	108.0	109.5	110.7	111.5	112.0	112.2	112.0	111.5	110.7	109.5
41.25°	120.4	122.5	124.1	125.4	126.3	126.9	127.1	126.9	126.3	125.4	124.1
40°	135.0	137.1	138.8	140.2	141.1	141.7	141.9	141.7	141.1	140.2	138.8
38.75°	151.7	154.5	156.8	158.6	159.9	160.7	161.0	160.7	159.9	158.6	156.8
37.5°	170.3	173.3	175.7	177.6	178.9	179.7	180.0	179.7	178.9	177.6	175.7
36.25°	188.9	192.0	194.5	196.5	197.9	198.8	199.1	198.8	197.9	196.5	194.5
35°	207.5	210.7	213.4	215.4	216.9	217.8	218.1	217.8	216.9	215.4	213.4



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	228.9	233.4	237.2	240.1	242.2	243.4	243.9	243.4	242.2	240.1	237.2
32.5°	253.9	258.7	262.6	265.6	267.8	269.2	269.6	269.2	267.8	265.6	262.6
31.25°	280.3	286.0	290.8	294.5	297.1	298.7	299.3	298.7	297.1	294.5	290.8
30°	309.0	315.0	320.0	323.9	326.7	328.3	328.9	328.3	326.7	323.9	320.0
28.75°	339.0	346.4	352.4	357.6	363.0	366.3	367.4	366.3	363.0	357.6	352.4
27.5°	381.5	393.8	406.6	420.4	430.3	436.3	438.3	436.3	430.3	420.4	406.6
26.25°	459.1	483.2	507.6	526.8	540.6	548.9	551.6	548.9	540.6	526.8	507.6
25°	573.6	608.2	637.3	660.0	676.4	686.3	689.6	686.3	676.4	660.0	637.3
23.75°	708.7	748.1	780.7	806.3	824.0	834.6	838.2	834.6	824.0	806.3	780.7
22.5°	849.0	888.6	921.5	945.4	962.4	972.7	976.2	972.7	962.4	945.4	921.5
21.25°	978.6	1017.0	1044.3	1063.9	1077.9	1086.5	1089.3	1086.5	1077.9	1063.9	1044.3
20°	1084.8	1113.9	1130.7	1143.9	1153.4	1159.2	1161.1	1159.2	1153.4	1143.9	1130.7
18.75°	1153.7	1173.2	1188.6	1200.8	1209.8	1215.4	1217.3	1215.4	1209.8	1200.8	1188.6
17.5°	1205.9	1226.6	1243.9	1257.5	1267.4	1273.4	1275.5	1273.4	1267.4	1257.5	1243.9
16.25°	1259.0	1281.0	1299.5	1314.3	1325.0	1331.5	1333.7	1331.5	1325.0	1314.3	1299.5
15°	1311.2	1334.9	1354.5	1369.7	1380.8	1387.5	1389.8	1387.5	1380.8	1369.7	1354.5
13.75°	1361.9	1386.3	1409.7	1428.8	1442.9	1451.9	1454.9	1451.9	1442.9	1428.8	1409.7
12.5°	1413.1	1443.8	1471.3	1493.4	1509.8	1519.8	1523.2	1519.8	1509.8	1493.4	1471.3
11.25°	1468.8	1504.0	1534.3	1558.3	1575.1	1585.4	1588.9	1585.4	1575.1	1558.3	1534.3
10°	1524.5	1562.1	1593.0	1616.6	1633.4	1643.9	1647.4	1643.9	1633.4	1616.6	1593.0
8.75°	1575.9	1613.6	1644.3	1666.6	1683.1	1692.6	1695.6	1692.6	1683.1	1666.6	1644.3
7.5°	1620.3	1657.2	1686.8	1708.4	1724.1	1732.2	1735.0	1732.2	1724.1	1708.4	1686.8
6.25°	1657.2	1692.9	1721.6	1740.7	1753.3	1759.9	1762.1	1759.9	1753.3	1740.7	1721.6
5°	1686.8	1721.6	1746.6	1762.2	1770.5	1774.5	1775.9	1774.5	1770.5	1762.2	1746.6
3.75°	1708.4	1740.7	1762.2	1773.1	1778.0	1780.1	1780.1	1780.1	1778.0	1773.1	1762.2
2.5°	1724.1	1753.3	1770.5	1778.0	1780.1	1779.5	1778.7	1779.5	1780.1	1778.0	1770.5
1.25°	1732.2	1759.9	1774.5	1780.1	1779.5	1777.6	1778.4	1777.6	1779.5	1780.1	1774.5
0°	1735.0	1762.1	1775.9	1780.1	1778.7	1778.4	1783.7	1778.4	1778.7	1780.1	1775.9
-1.25°	1732.2	1759.9	1774.5	1780.1	1779.5	1777.6	1778.4	1777.6	1779.5	1780.1	1774.5
-2.5°	1724.1	1753.3	1770.5	1778.0	1780.1	1779.5	1778.7	1779.5	1780.1	1778.0	1770.5
-3.75°	1708.4	1740.7	1762.2	1773.1	1778.0	1780.1	1780.1	1780.1	1778.0	1773.1	1762.2
-5°	1686.8	1721.6	1746.6	1762.2	1770.5	1774.5	1775.9	1774.5	1770.5	1762.2	1746.6
-6.25°	1657.2	1692.9	1721.6	1740.7	1753.3	1759.9	1762.1	1759.9	1753.3	1740.7	1721.6
-7.5°	1620.3	1657.2	1686.8	1708.4	1724.1	1732.2	1735.0	1732.2	1724.1	1708.4	1686.8
-8.75°	1575.9	1613.6	1644.3	1666.6	1683.1	1692.6	1695.6	1692.6	1683.1	1666.6	1644.3
-10°	1524.5	1562.1	1593.0	1616.6	1633.4	1643.9	1647.4	1643.9	1633.4	1616.6	1593.0
-11.25°	1468.8	1504.0	1534.3	1558.3	1575.1	1585.4	1588.9	1585.4	1575.1	1558.3	1534.3
-12.5°	1413.1	1443.8	1471.3	1493.4	1509.8	1519.8	1523.2	1519.8	1509.8	1493.4	1471.3
-13.75°	1361.9	1386.3	1409.7	1428.8	1442.9	1451.9	1454.9	1451.9	1442.9	1428.8	1409.7
-15°	1311.2	1334.9	1354.5	1369.7	1380.8	1387.5	1389.8	1387.5	1380.8	1369.7	1354.5
-16.25°	1259.0	1281.0	1299.5	1314.3	1325.0	1331.5	1333.7	1331.5	1325.0	1314.3	1299.5
-17.5°	1205.9	1226.6	1243.9	1257.5	1267.4	1273.4	1275.5	1273.4	1267.4	1257.5	1243.9
-18.75°	1153.7	1173.2	1188.6	1200.8	1209.8	1215.4	1217.3	1215.4	1209.8	1200.8	1188.6
-20°	1084.8	1113.9	1130.7	1143.9	1153.4	1159.2	1161.1	1159.2	1153.4	1143.9	1130.7
-21.25°	978.6	1017.0	1044.3	1063.9	1077.9	1086.5	1089.3	1086.5	1077.9	1063.9	1044.3



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	849.0	888.6	921.5	945.4	962.4	972.7	976.2	972.7	962.4	945.4	921.5
-23.75°	708.7	748.1	780.7	806.3	824.0	834.6	838.2	834.6	824.0	806.3	780.7
-25°	573.6	608.2	637.3	660.0	676.4	686.3	689.6	686.3	676.4	660.0	637.3
-26.25°	459.1	483.2	507.6	526.8	540.6	548.9	551.6	548.9	540.6	526.8	507.6
-27.5°	381.5	393.8	406.6	420.4	430.3	436.3	438.3	436.3	430.3	420.4	406.6
-28.75°	339.0	346.4	352.4	357.6	363.0	366.3	367.4	366.3	363.0	357.6	352.4
-30°	309.0	315.0	320.0	323.9	326.7	328.3	328.9	328.3	326.7	323.9	320.0
-31.25°	280.3	286.0	290.8	294.5	297.1	298.7	299.3	298.7	297.1	294.5	290.8
-32.5°	253.9	258.7	262.6	265.6	267.8	269.2	269.6	269.2	267.8	265.6	262.6
-33.75°	228.9	233.4	237.2	240.1	242.2	243.4	243.9	243.4	242.2	240.1	237.2
-35°	207.5	210.7	213.4	215.4	216.9	217.8	218.1	217.8	216.9	215.4	213.4
-36.25°	188.9	192.0	194.5	196.5	197.9	198.8	199.1	198.8	197.9	196.5	194.5
-37.5°	170.3	173.3	175.7	177.6	178.9	179.7	180.0	179.7	178.9	177.6	175.7
-38.75°	151.7	154.5	156.8	158.6	159.9	160.7	161.0	160.7	159.9	158.6	156.8
-40°	135.0	137.1	138.8	140.2	141.1	141.7	141.9	141.7	141.1	140.2	138.8
-41.25°	120.4	122.5	124.1	125.4	126.3	126.9	127.1	126.9	126.3	125.4	124.1
-42.5°	106.2	108.0	109.5	110.7	111.5	112.0	112.2	112.0	111.5	110.7	109.5
-43.75°	92.4	94.1	95.5	96.7	97.5	97.9	98.1	97.9	97.5	96.7	95.5
-45°	80.8	81.8	82.6	83.2	83.6	83.9	84.0	83.9	83.6	83.2	82.6
-46.25°	72.9	73.8	74.5	75.1	75.6	75.8	75.9	75.8	75.6	75.1	74.5
-47.5°	66.8	67.1	67.3	67.5	67.7	67.8	67.8	67.8	67.7	67.5	67.3
-48.75°	64.0	64.3	64.5	64.7	64.8	64.9	65.0	64.9	64.8	64.7	64.5
-50°	61.6	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.0	62.0	61.9
-51.25°	60.3	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.6	60.5
-52.5°	58.9	59.0	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.2	59.1
-53.75°	57.5	57.6	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.8	57.7
-55°	56.0	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.4	56.4	56.3
-56.25°	54.2	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.6	54.6	54.5
-57.5°	52.6	52.7	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.8	52.7
-58.75°	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.4	51.4
-60°	49.6	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.0	50.0	49.9
-61.25°	47.5	47.7	47.8	47.9	47.9	48.0	48.0	48.0	47.9	47.9	47.8
-62.5°	45.4	45.5	45.7	45.8	45.8	45.9	45.9	45.9	45.8	45.8	45.7
-63.75°	42.9	43.1	43.2	43.3	43.3	43.4	43.4	43.4	43.3	43.3	43.2
-65°	40.3	40.5	40.6	40.8	40.8	40.9	40.9	40.9	40.8	40.8	40.6
-66.25°	37.2	37.4	37.5	37.6	37.7	37.7	37.8	37.7	37.7	37.6	37.5
-67.5°	34.2	34.3	34.4	34.5	34.6	34.6	34.6	34.6	34.6	34.5	34.4
-68.75°	31.7	31.8	31.9	32.0	32.1	32.1	32.1	32.1	32.1	32.0	31.9
-70°	29.2	29.3	29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.5	29.4
-71.25°	26.4	26.5	26.6	26.7	26.8	26.8	26.8	26.8	26.8	26.7	26.6
-72.5°	23.8	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.9
-73.75°	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.5
-75°	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.1
-76.25°	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.7
-77.5°	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	16.8	16.9	16.9	16.9	16.9	16.9	17.0	16.9	16.9	16.9	16.9
-80°	15.4	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.4
-81.25°	13.6	13.7	13.7	13.7	13.7	13.7	13.8	13.7	13.7	13.7	13.7
-82.5°	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
-83.75°	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
-85°	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
-86.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
-87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-88.75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
86.25°	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3
85°	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.3
83.75°	9.8	9.8	9.8	9.7	9.7	9.7	9.6	9.5	9.5	9.4	9.3
82.5°	11.9	11.9	11.9	11.8	11.8	11.7	11.6	11.6	11.5	11.4	11.3
81.25°	13.7	13.6	13.6	13.6	13.5	13.5	13.4	13.3	13.3	13.2	13.1
80°	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.0	14.9	14.8	14.7
78.75°	16.9	16.8	16.8	16.7	16.7	16.6	16.6	16.5	16.4	16.3	16.2
77.5°	18.3	18.3	18.2	18.2	18.1	18.1	18.0	17.9	17.8	17.7	17.6
76.25°	19.7	19.7	19.6	19.6	19.5	19.4	19.4	19.3	19.2	19.1	19.0
75°	21.1	21.1	21.0	20.9	20.9	20.8	20.7	20.6	20.5	20.4	20.3
73.75°	22.5	22.4	22.4	22.3	22.2	22.2	22.1	22.0	21.9	21.7	21.6
72.5°	23.9	23.8	23.8	23.7	23.6	23.5	23.4	23.3	23.2	23.1	22.9
71.25°	26.5	26.4	26.3	26.1	26.0	25.8	25.6	25.3	25.1	24.8	24.5
70°	29.3	29.2	29.1	28.9	28.7	28.5	28.3	28.0	27.7	27.4	27.1
68.75°	31.8	31.7	31.6	31.4	31.2	31.0	30.8	30.6	30.3	30.0	29.7
67.5°	34.3	34.2	34.0	33.9	33.7	33.5	33.2	33.0	32.7	32.4	32.1
66.25°	37.4	37.2	37.0	36.8	36.5	36.2	35.9	35.6	35.2	34.8	34.4
65°	40.5	40.3	40.1	39.9	39.6	39.3	39.0	38.6	38.2	37.8	37.3
63.75°	43.1	42.9	42.7	42.5	42.3	42.1	41.8	41.5	41.2	40.8	40.3
62.5°	45.5	45.4	45.2	45.0	44.8	44.5	44.2	43.9	43.5	43.2	42.8
61.25°	47.7	47.5	47.4	47.2	47.0	46.8	46.5	46.2	45.9	45.5	45.1
60°	49.8	49.6	49.5	49.3	49.0	48.8	48.5	48.2	47.9	47.5	47.2
58.75°	51.3	51.2	51.0	50.9	50.8	50.6	50.4	50.2	49.9	49.5	49.1
57.5°	52.7	52.6	52.4	52.3	52.1	51.9	51.7	51.5	51.3	51.0	50.8
56.25°	54.4	54.2	54.1	53.9	53.6	53.4	53.1	52.8	52.6	52.3	52.1
55°	56.2	56.0	55.8	55.6	55.4	55.1	54.9	54.5	54.2	53.9	53.5
53.75°	57.6	57.5	57.4	57.2	57.0	56.8	56.6	56.3	55.9	55.5	55.1
52.5°	59.0	58.9	58.7	58.6	58.4	58.1	57.9	57.6	57.4	57.1	56.7
51.25°	60.4	60.3	60.1	59.9	59.7	59.5	59.2	59.0	58.7	58.4	58.0
50°	61.8	61.6	61.5	61.3	61.1	60.8	60.6	60.3	60.0	59.6	59.3
48.75°	64.3	64.0	63.6	63.2	62.8	62.3	61.9	61.6	61.3	60.9	60.6
47.5°	67.1	66.8	66.4	66.0	65.5	65.0	64.4	63.8	63.1	62.4	61.8
46.25°	73.8	72.9	71.8	70.5	69.1	67.7	67.1	66.5	65.7	65.0	64.2
45°	81.8	80.8	79.7	78.4	76.9	75.3	73.5	71.6	69.4	67.6	66.7
43.75°	94.1	92.4	90.3	87.9	85.3	83.0	81.2	79.1	76.9	74.6	72.1
42.5°	108.0	106.2	104.0	101.6	98.8	95.7	92.3	88.6	84.7	81.9	79.3
41.25°	122.5	120.4	118.1	115.4	112.3	109.1	105.6	101.7	97.6	93.1	88.4
40°	137.1	135.0	132.5	129.7	126.5	123.0	119.1	114.9	110.4	105.8	100.9
38.75°	154.5	151.7	148.4	144.6	140.7	137.0	133.0	128.6	123.8	118.8	113.4
37.5°	173.3	170.3	166.9	162.9	158.5	153.5	148.1	142.3	137.3	132.0	126.4
36.25°	192.0	188.9	185.3	181.2	176.6	171.4	165.8	159.7	153.1	146.1	139.4
35°	210.7	207.5	203.8	199.4	194.6	189.2	183.3	177.0	170.1	162.8	155.1

REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	233.4	228.9	223.6	217.6	212.6	206.9	200.8	194.2	187.1	179.5	171.4
32.5°	258.7	253.9	248.3	242.0	234.8	226.9	218.2	211.3	203.9	196.0	187.6
31.25°	286.0	280.3	273.6	266.4	258.9	250.6	241.6	231.9	221.4	212.3	203.6
30°	315.0	309.0	302.0	293.9	284.9	274.9	264.8	254.6	243.8	232.2	220.0
28.75°	346.4	339.0	330.5	321.8	312.4	302.0	290.6	278.4	265.9	253.9	241.2
27.5°	393.8	381.5	367.1	352.9	341.4	328.8	316.9	304.2	290.6	276.1	262.1
26.25°	483.2	459.1	432.9	403.0	382.6	361.6	345.3	329.8	315.5	300.4	284.6
25°	608.2	573.6	537.2	495.9	456.2	417.7	386.3	360.6	341.8	324.4	307.9
23.75°	748.1	708.7	664.5	615.5	562.7	509.6	458.0	411.2	377.9	351.0	331.1
22.5°	888.6	849.0	802.5	747.7	686.8	624.1	558.5	494.1	437.9	390.5	357.6
21.25°	1017.0	978.6	934.0	879.7	818.5	748.8	674.2	598.3	524.5	456.0	398.1
20°	1113.9	1084.8	1048.0	1000.3	941.3	872.6	796.4	711.9	626.6	542.9	465.0
18.75°	1173.2	1153.7	1128.9	1096.2	1047.8	985.6	912.0	827.7	735.4	640.9	549.1
17.5°	1226.6	1205.9	1183.2	1157.1	1124.6	1077.8	1015.7	934.9	843.1	743.2	640.9
16.25°	1281.0	1259.0	1233.6	1205.2	1175.5	1140.6	1096.1	1030.3	942.2	843.1	735.4
15°	1334.9	1311.2	1284.1	1253.9	1220.9	1186.3	1148.7	1102.2	1030.3	934.9	827.7
13.75°	1386.3	1361.9	1333.5	1301.3	1266.3	1228.8	1190.0	1148.7	1096.1	1015.7	912.0
12.5°	1443.8	1413.1	1380.1	1347.2	1310.0	1270.5	1228.8	1186.3	1140.6	1077.8	985.6
11.25°	1504.0	1468.8	1430.1	1389.4	1351.6	1310.0	1266.3	1220.9	1175.5	1124.6	1047.8
10°	1562.1	1524.5	1481.6	1435.8	1389.4	1347.2	1301.3	1253.9	1205.2	1157.1	1096.2
8.75°	1613.6	1575.9	1531.4	1481.6	1430.1	1380.1	1333.5	1284.1	1233.6	1183.2	1128.9
7.5°	1657.2	1620.3	1575.9	1524.5	1468.8	1413.1	1361.9	1311.2	1259.0	1205.9	1153.7
6.25°	1692.9	1657.2	1613.6	1562.1	1504.0	1443.8	1386.3	1334.9	1281.0	1226.6	1173.2
5°	1721.6	1686.8	1644.3	1593.0	1534.3	1471.3	1409.7	1354.5	1299.5	1243.9	1188.6
3.75°	1740.7	1708.4	1666.6	1616.6	1558.3	1493.4	1428.8	1369.7	1314.3	1257.5	1200.8
2.5°	1753.3	1724.1	1683.1	1633.4	1575.1	1509.8	1442.9	1380.8	1325.0	1267.4	1209.8
1.25°	1759.9	1732.2	1692.6	1643.9	1585.4	1519.8	1451.9	1387.5	1331.5	1273.4	1215.4
0°	1762.1	1735.0	1695.6	1647.4	1588.9	1523.2	1454.9	1389.8	1333.7	1275.5	1217.3
-1.25°	1759.9	1732.2	1692.6	1643.9	1585.4	1519.8	1451.9	1387.5	1331.5	1273.4	1215.4
-2.5°	1753.3	1724.1	1683.1	1633.4	1575.1	1509.8	1442.9	1380.8	1325.0	1267.4	1209.8
-3.75°	1740.7	1708.4	1666.6	1616.6	1558.3	1493.4	1428.8	1369.7	1314.3	1257.5	1200.8
-5°	1721.6	1686.8	1644.3	1593.0	1534.3	1471.3	1409.7	1354.5	1299.5	1243.9	1188.6
-6.25°	1692.9	1657.2	1613.6	1562.1	1504.0	1443.8	1386.3	1334.9	1281.0	1226.6	1173.2
-7.5°	1657.2	1620.3	1575.9	1524.5	1468.8	1413.1	1361.9	1311.2	1259.0	1205.9	1153.7
-8.75°	1613.6	1575.9	1531.4	1481.6	1430.1	1380.1	1333.5	1284.1	1233.6	1183.2	1128.9
-10°	1562.1	1524.5	1481.6	1435.8	1389.4	1347.2	1301.3	1253.9	1205.2	1157.1	1096.2
-11.25°	1504.0	1468.8	1430.1	1389.4	1351.6	1310.0	1266.3	1220.9	1175.5	1124.6	1047.8
-12.5°	1443.8	1413.1	1380.1	1347.2	1310.0	1270.5	1228.8	1186.3	1140.6	1077.8	985.6
-13.75°	1386.3	1361.9	1333.5	1301.3	1266.3	1228.8	1190.0	1148.7	1096.1	1015.7	912.0
-15°	1334.9	1311.2	1284.1	1253.9	1220.9	1186.3	1148.7	1102.2	1030.3	934.9	827.7
-16.25°	1281.0	1259.0	1233.6	1205.2	1175.5	1140.6	1096.1	1030.3	942.2	843.1	735.4
-17.5°	1226.6	1205.9	1183.2	1157.1	1124.6	1077.8	1015.7	934.9	843.1	743.2	640.9
-18.75°	1173.2	1153.7	1128.9	1096.2	1047.8	985.6	912.0	827.7	735.4	640.9	549.1
-20°	1113.9	1084.8	1048.0	1000.3	941.3	872.6	796.4	711.9	626.6	542.9	465.0
-21.25°	1017.0	978.6	934.0	879.7	818.5	748.8	674.2	598.3	524.5	456.0	398.1

REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	888.6	849.0	802.5	747.7	686.8	624.1	558.5	494.1	437.9	390.5	357.6
-23.75°	748.1	708.7	664.5	615.5	562.7	509.6	458.0	411.2	377.9	351.0	331.1
-25°	608.2	573.6	537.2	495.9	456.2	417.7	386.3	360.6	341.8	324.4	307.9
-26.25°	483.2	459.1	432.9	403.0	382.6	361.6	345.3	329.8	315.5	300.4	284.6
-27.5°	393.8	381.5	367.1	352.9	341.4	328.8	316.9	304.2	290.6	276.1	262.1
-28.75°	346.4	339.0	330.5	321.8	312.4	302.0	290.6	278.4	265.9	253.9	241.2
-30°	315.0	309.0	302.0	293.9	284.9	274.9	264.8	254.6	243.8	232.2	220.0
-31.25°	286.0	280.3	273.6	266.4	258.9	250.6	241.6	231.9	221.4	212.3	203.6
-32.5°	258.7	253.9	248.3	242.0	234.8	226.9	218.2	211.3	203.9	196.0	187.6
-33.75°	233.4	228.9	223.6	217.6	212.6	206.9	200.8	194.2	187.1	179.5	171.4
-35°	210.7	207.5	203.8	199.4	194.6	189.2	183.3	177.0	170.1	162.8	155.1
-36.25°	192.0	188.9	185.3	181.2	176.6	171.4	165.8	159.7	153.1	146.1	139.4
-37.5°	173.3	170.3	166.9	162.9	158.5	153.5	148.1	142.3	137.3	132.0	126.4
-38.75°	154.5	151.7	148.4	144.6	140.7	137.0	133.0	128.6	123.8	118.8	113.4
-40°	137.1	135.0	132.5	129.7	126.5	123.0	119.1	114.9	110.4	105.8	100.9
-41.25°	122.5	120.4	118.1	115.4	112.3	109.1	105.6	101.7	97.6	93.1	88.4
-42.5°	108.0	106.2	104.0	101.6	98.8	95.7	92.3	88.6	84.7	81.9	79.3
-43.75°	94.1	92.4	90.3	87.9	85.3	83.0	81.2	79.1	76.9	74.6	72.1
-45°	81.8	80.8	79.7	78.4	76.9	75.3	73.5	71.6	69.4	67.6	66.7
-46.25°	73.8	72.9	71.8	70.5	69.1	67.7	67.1	66.5	65.7	65.0	64.2
-47.5°	67.1	66.8	66.4	66.0	65.5	65.0	64.4	63.8	63.1	62.4	61.8
-48.75°	64.3	64.0	63.6	63.2	62.8	62.3	61.9	61.6	61.3	60.9	60.6
-50°	61.8	61.6	61.5	61.3	61.1	60.8	60.6	60.3	60.0	59.6	59.3
-51.25°	60.4	60.3	60.1	59.9	59.7	59.5	59.2	59.0	58.7	58.4	58.0
-52.5°	59.0	58.9	58.7	58.6	58.4	58.1	57.9	57.6	57.4	57.1	56.7
-53.75°	57.6	57.5	57.4	57.2	57.0	56.8	56.6	56.3	55.9	55.5	55.1
-55°	56.2	56.0	55.8	55.6	55.4	55.1	54.9	54.5	54.2	53.9	53.5
-56.25°	54.4	54.2	54.1	53.9	53.6	53.4	53.1	52.8	52.6	52.3	52.1
-57.5°	52.7	52.6	52.4	52.3	52.1	51.9	51.7	51.5	51.3	51.0	50.8
-58.75°	51.3	51.2	51.0	50.9	50.8	50.6	50.4	50.2	49.9	49.5	49.1
-60°	49.8	49.6	49.5	49.3	49.0	48.8	48.5	48.2	47.9	47.5	47.2
-61.25°	47.7	47.5	47.4	47.2	47.0	46.8	46.5	46.2	45.9	45.5	45.1
-62.5°	45.5	45.4	45.2	45.0	44.8	44.5	44.2	43.9	43.5	43.2	42.8
-63.75°	43.1	42.9	42.7	42.5	42.3	42.1	41.8	41.5	41.2	40.8	40.3
-65°	40.5	40.3	40.1	39.9	39.6	39.3	39.0	38.6	38.2	37.8	37.3
-66.25°	37.4	37.2	37.0	36.8	36.5	36.2	35.9	35.6	35.2	34.8	34.4
-67.5°	34.3	34.2	34.0	33.9	33.7	33.5	33.2	33.0	32.7	32.4	32.1
-68.75°	31.8	31.7	31.6	31.4	31.2	31.0	30.8	30.6	30.3	30.0	29.7
-70°	29.3	29.2	29.1	28.9	28.7	28.5	28.3	28.0	27.7	27.4	27.1
-71.25°	26.5	26.4	26.3	26.1	26.0	25.8	25.6	25.3	25.1	24.8	24.5
-72.5°	23.9	23.8	23.8	23.7	23.6	23.5	23.4	23.3	23.2	23.1	22.9
-73.75°	22.5	22.4	22.4	22.3	22.2	22.2	22.1	22.0	21.9	21.7	21.6
-75°	21.1	21.1	21.0	20.9	20.9	20.8	20.7	20.6	20.5	20.4	20.3
-76.25°	19.7	19.7	19.6	19.6	19.5	19.4	19.4	19.3	19.2	19.1	19.0
-77.5°	18.3	18.3	18.2	18.2	18.1	18.1	18.0	17.9	17.8	17.7	17.6



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	16.9	16.8	16.8	16.7	16.7	16.6	16.6	16.5	16.4	16.3	16.2
-80°	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.0	14.9	14.8	14.7
-81.25°	13.7	13.6	13.6	13.6	13.5	13.5	13.4	13.3	13.3	13.2	13.1
-82.5°	11.9	11.9	11.9	11.8	11.8	11.7	11.6	11.6	11.5	11.4	11.3
-83.75°	9.8	9.8	9.8	9.7	9.7	9.7	9.6	9.5	9.5	9.4	9.3
-85°	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.3
-86.25°	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3
-87.5°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
-88.75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
87.5°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0
86.25°	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.9	4.8	4.7	4.6
85°	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.5
83.75°	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3
82.5°	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2	10.0
81.25°	13.0	12.9	12.8	12.7	12.6	12.5	12.4	12.2	12.1	12.0	11.8
80°	14.6	14.5	14.4	14.3	14.2	14.0	13.9	13.8	13.6	13.5	13.3
78.75°	16.2	16.1	15.9	15.8	15.7	15.6	15.5	15.3	15.1	14.9	14.8
77.5°	17.5	17.4	17.3	17.2	17.0	16.9	16.7	16.6	16.4	16.3	16.1
76.25°	18.9	18.7	18.6	18.5	18.3	18.2	18.0	17.9	17.7	17.5	17.3
75°	20.2	20.0	19.9	19.7	19.6	19.4	19.3	19.1	18.9	18.7	18.5
73.75°	21.5	21.3	21.2	21.0	20.9	20.7	20.5	20.3	20.1	19.9	19.7
72.5°	22.8	22.6	22.5	22.3	22.1	21.9	21.7	21.5	21.3	21.1	20.9
71.25°	24.2	23.9	23.7	23.6	23.4	23.2	23.0	22.7	22.5	22.3	22.0
70°	26.8	26.4	26.1	25.7	25.2	24.8	24.4	23.9	23.7	23.4	23.2
68.75°	29.4	29.0	28.6	28.2	27.8	27.3	26.8	26.3	25.8	25.2	24.7
67.5°	31.8	31.4	31.0	30.6	30.2	29.7	29.2	28.7	28.2	27.6	27.0
66.25°	34.1	33.7	33.3	32.9	32.4	31.9	31.5	31.0	30.4	29.9	29.3
65°	36.9	36.4	35.8	35.2	34.7	34.1	33.6	33.1	32.5	32.0	31.4
63.75°	39.8	39.2	38.7	38.1	37.5	36.8	36.1	35.4	34.7	34.0	33.4
62.5°	42.3	41.9	41.4	40.9	40.2	39.6	38.8	38.1	37.3	36.5	35.7
61.25°	44.6	44.2	43.7	43.1	42.6	42.0	41.4	40.8	39.9	39.1	38.2
60°	46.8	46.4	45.9	45.4	44.8	44.2	43.6	42.9	42.2	41.5	40.8
58.75°	48.7	48.3	47.8	47.3	46.8	46.3	45.7	45.0	44.3	43.6	42.8
57.5°	50.5	50.2	49.7	49.2	48.7	48.1	47.5	46.9	46.3	45.6	44.8
56.25°	51.7	51.4	51.1	50.7	50.4	49.9	49.3	48.7	48.0	47.3	46.6
55°	53.1	52.7	52.3	52.0	51.6	51.2	50.8	50.3	49.7	49.0	48.3
53.75°	54.7	54.3	53.8	53.3	52.8	52.4	51.9	51.5	51.0	50.5	50.0
52.5°	56.3	55.9	55.4	54.9	54.3	53.8	53.2	52.6	52.1	51.6	51.1
51.25°	57.7	57.3	56.9	56.4	55.9	55.3	54.7	54.0	53.4	52.7	52.2
50°	58.9	58.5	58.1	57.7	57.2	56.7	56.2	55.5	54.8	54.1	53.4
48.75°	60.2	59.8	59.3	58.9	58.4	57.9	57.4	56.9	56.2	55.5	54.8
47.5°	61.4	61.0	60.6	60.1	59.6	59.1	58.5	58.0	57.4	56.8	56.1
46.25°	63.3	62.4	61.8	61.3	60.8	60.2	59.7	59.1	58.5	57.9	57.3
45°	65.8	64.9	63.9	62.9	61.9	61.4	60.8	60.2	59.6	59.0	58.3
43.75°	69.4	67.4	66.4	65.3	64.1	63.0	61.9	61.3	60.7	60.0	59.3
42.5°	76.6	73.7	70.6	67.7	66.5	65.3	64.0	62.7	61.7	61.1	60.4
41.25°	83.7	80.7	77.5	74.2	70.7	67.6	66.3	64.9	63.5	62.1	61.4
40°	95.8	90.3	84.6	80.9	77.3	73.6	69.8	67.1	65.7	64.2	62.7
38.75°	108.0	102.3	96.4	90.2	83.8	80.0	76.0	71.9	67.8	66.2	64.7
37.5°	120.5	114.4	108.1	101.7	95.0	88.1	82.2	78.0	73.6	69.1	66.7
36.25°	133.2	126.8	120.1	113.1	106.1	99.0	91.6	84.0	79.5	74.8	70.1
35°	147.0	139.2	132.2	124.9	117.4	109.7	102.1	94.2	86.1	80.4	75.6



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	163.0	154.1	144.8	136.6	128.8	120.8	112.4	104.3	96.0	87.4	80.9
32.5°	178.8	169.6	160.0	150.0	140.1	131.8	123.2	114.4	105.7	96.9	87.9
31.25°	194.5	184.9	175.0	164.6	153.9	142.9	133.8	124.7	115.3	106.1	96.9
30°	210.0	200.1	189.8	179.0	168.0	156.5	144.8	134.8	125.2	115.3	105.7
28.75°	227.8	215.0	204.3	193.2	181.8	170.0	157.9	145.4	134.8	124.7	114.4
27.5°	248.2	233.8	218.8	207.1	195.3	183.1	170.6	157.9	144.8	133.8	123.2
26.25°	268.3	253.3	237.8	221.7	208.6	196.0	183.1	170.0	156.5	142.9	131.8
25°	290.8	272.9	256.4	239.8	222.7	208.6	195.3	181.8	168.0	153.9	140.1
23.75°	313.0	294.5	275.3	257.4	239.8	221.7	207.1	193.2	179.0	164.6	150.0
22.5°	335.7	315.5	295.7	275.3	256.4	237.8	218.8	204.3	189.8	175.0	160.0
21.25°	362.5	337.2	315.5	294.5	272.9	253.3	233.8	215.0	200.1	184.9	169.6
20°	400.9	362.5	335.7	313.0	290.8	268.3	248.2	227.8	210.0	194.5	178.8
18.75°	465.0	398.1	357.6	331.1	307.9	284.6	262.1	241.2	220.0	203.6	187.6
17.5°	542.9	456.0	390.5	351.0	324.4	300.4	276.1	253.9	232.2	212.3	196.0
16.25°	626.6	524.5	437.9	377.9	341.8	315.5	290.6	265.9	243.8	221.4	203.9
15°	711.9	598.3	494.1	411.2	360.6	329.8	304.2	278.4	254.6	231.9	211.3
13.75°	796.4	674.2	558.5	458.0	386.3	345.3	316.9	290.6	264.8	241.6	218.2
12.5°	872.6	748.8	624.1	509.6	417.7	361.6	328.8	302.0	274.9	250.6	226.9
11.25°	941.3	818.5	686.8	562.7	456.2	382.6	341.4	312.4	284.9	258.9	234.8
10°	1000.3	879.7	747.7	615.5	495.9	403.0	352.9	321.8	293.9	266.4	242.0
8.75°	1048.0	934.0	802.5	664.5	537.2	432.9	367.1	330.5	302.0	273.6	248.3
7.5°	1084.8	978.6	849.0	708.7	573.6	459.1	381.5	339.0	309.0	280.3	253.9
6.25°	1113.9	1017.0	888.6	748.1	608.2	483.2	393.8	346.4	315.0	286.0	258.7
5°	1130.7	1044.3	921.5	780.7	637.3	507.6	406.6	352.4	320.0	290.8	262.6
3.75°	1143.9	1063.9	945.4	806.3	660.0	526.8	420.4	357.6	323.9	294.5	265.6
2.5°	1153.4	1077.9	962.4	824.0	676.4	540.6	430.3	363.0	326.7	297.1	267.8
1.25°	1159.2	1086.5	972.7	834.6	686.3	548.9	436.3	366.3	328.3	298.7	269.2
0°	1161.1	1089.3	976.2	838.2	689.6	551.6	438.3	367.4	328.9	299.3	269.6
-1.25°	1159.2	1086.5	972.7	834.6	686.3	548.9	436.3	366.3	328.3	298.7	269.2
-2.5°	1153.4	1077.9	962.4	824.0	676.4	540.6	430.3	363.0	326.7	297.1	267.8
-3.75°	1143.9	1063.9	945.4	806.3	660.0	526.8	420.4	357.6	323.9	294.5	265.6
-5°	1130.7	1044.3	921.5	780.7	637.3	507.6	406.6	352.4	320.0	290.8	262.6
-6.25°	1113.9	1017.0	888.6	748.1	608.2	483.2	393.8	346.4	315.0	286.0	258.7
-7.5°	1084.8	978.6	849.0	708.7	573.6	459.1	381.5	339.0	309.0	280.3	253.9
-8.75°	1048.0	934.0	802.5	664.5	537.2	432.9	367.1	330.5	302.0	273.6	248.3
-10°	1000.3	879.7	747.7	615.5	495.9	403.0	352.9	321.8	293.9	266.4	242.0
-11.25°	941.3	818.5	686.8	562.7	456.2	382.6	341.4	312.4	284.9	258.9	234.8
-12.5°	872.6	748.8	624.1	509.6	417.7	361.6	328.8	302.0	274.9	250.6	226.9
-13.75°	796.4	674.2	558.5	458.0	386.3	345.3	316.9	290.6	264.8	241.6	218.2
-15°	711.9	598.3	494.1	411.2	360.6	329.8	304.2	278.4	254.6	231.9	211.3
-16.25°	626.6	524.5	437.9	377.9	341.8	315.5	290.6	265.9	243.8	221.4	203.9
-17.5°	542.9	456.0	390.5	351.0	324.4	300.4	276.1	253.9	232.2	212.3	196.0
-18.75°	465.0	398.1	357.6	331.1	307.9	284.6	262.1	241.2	220.0	203.6	187.6
-20°	400.9	362.5	335.7	313.0	290.8	268.3	248.2	227.8	210.0	194.5	178.8
-21.25°	362.5	337.2	315.5	294.5	272.9	253.3	233.8	215.0	200.1	184.9	169.6



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	335.7	315.5	295.7	275.3	256.4	237.8	218.8	204.3	189.8	175.0	160.0
-23.75°	313.0	294.5	275.3	257.4	239.8	221.7	207.1	193.2	179.0	164.6	150.0
-25°	290.8	272.9	256.4	239.8	222.7	208.6	195.3	181.8	168.0	153.9	140.1
-26.25°	268.3	253.3	237.8	221.7	208.6	196.0	183.1	170.0	156.5	142.9	131.8
-27.5°	248.2	233.8	218.8	207.1	195.3	183.1	170.6	157.9	144.8	133.8	123.2
-28.75°	227.8	215.0	204.3	193.2	181.8	170.0	157.9	145.4	134.8	124.7	114.4
-30°	210.0	200.1	189.8	179.0	168.0	156.5	144.8	134.8	125.2	115.3	105.7
-31.25°	194.5	184.9	175.0	164.6	153.9	142.9	133.8	124.7	115.3	106.1	96.9
-32.5°	178.8	169.6	160.0	150.0	140.1	131.8	123.2	114.4	105.7	96.9	87.9
-33.75°	163.0	154.1	144.8	136.6	128.8	120.8	112.4	104.3	96.0	87.4	80.9
-35°	147.0	139.2	132.2	124.9	117.4	109.7	102.1	94.2	86.1	80.4	75.6
-36.25°	133.2	126.8	120.1	113.1	106.1	99.0	91.6	84.0	79.5	74.8	70.1
-37.5°	120.5	114.4	108.1	101.7	95.0	88.1	82.2	78.0	73.6	69.1	66.7
-38.75°	108.0	102.3	96.4	90.2	83.8	80.0	76.0	71.9	67.8	66.2	64.7
-40°	95.8	90.3	84.6	80.9	77.3	73.6	69.8	67.1	65.7	64.2	62.7
-41.25°	83.7	80.7	77.5	74.2	70.7	67.6	66.3	64.9	63.5	62.1	61.4
-42.5°	76.6	73.7	70.6	67.7	66.5	65.3	64.0	62.7	61.7	61.1	60.4
-43.75°	69.4	67.4	66.4	65.3	64.1	63.0	61.9	61.3	60.7	60.0	59.3
-45°	65.8	64.9	63.9	62.9	61.9	61.4	60.8	60.2	59.6	59.0	58.3
-46.25°	63.3	62.4	61.8	61.3	60.8	60.2	59.7	59.1	58.5	57.9	57.3
-47.5°	61.4	61.0	60.6	60.1	59.6	59.1	58.5	58.0	57.4	56.8	56.1
-48.75°	60.2	59.8	59.3	58.9	58.4	57.9	57.4	56.9	56.2	55.5	54.8
-50°	58.9	58.5	58.1	57.7	57.2	56.7	56.2	55.5	54.8	54.1	53.4
-51.25°	57.7	57.3	56.9	56.4	55.9	55.3	54.7	54.0	53.4	52.7	52.2
-52.5°	56.3	55.9	55.4	54.9	54.3	53.8	53.2	52.6	52.1	51.6	51.1
-53.75°	54.7	54.3	53.8	53.3	52.8	52.4	51.9	51.5	51.0	50.5	50.0
-55°	53.1	52.7	52.3	52.0	51.6	51.2	50.8	50.3	49.7	49.0	48.3
-56.25°	51.7	51.4	51.1	50.7	50.4	49.9	49.3	48.7	48.0	47.3	46.6
-57.5°	50.5	50.2	49.7	49.2	48.7	48.1	47.5	46.9	46.3	45.6	44.8
-58.75°	48.7	48.3	47.8	47.3	46.8	46.3	45.7	45.0	44.3	43.6	42.8
-60°	46.8	46.4	45.9	45.4	44.8	44.2	43.6	42.9	42.2	41.5	40.8
-61.25°	44.6	44.2	43.7	43.1	42.6	42.0	41.4	40.8	39.9	39.1	38.2
-62.5°	42.3	41.9	41.4	40.9	40.2	39.6	38.8	38.1	37.3	36.5	35.7
-63.75°	39.8	39.2	38.7	38.1	37.5	36.8	36.1	35.4	34.7	34.0	33.4
-65°	36.9	36.4	35.8	35.2	34.7	34.1	33.6	33.1	32.5	32.0	31.4
-66.25°	34.1	33.7	33.3	32.9	32.4	31.9	31.5	31.0	30.4	29.9	29.3
-67.5°	31.8	31.4	31.0	30.6	30.2	29.7	29.2	28.7	28.2	27.6	27.0
-68.75°	29.4	29.0	28.6	28.2	27.8	27.3	26.8	26.3	25.8	25.2	24.7
-70°	26.8	26.4	26.1	25.7	25.2	24.8	24.4	23.9	23.7	23.4	23.2
-71.25°	24.2	23.9	23.7	23.6	23.4	23.2	23.0	22.7	22.5	22.3	22.0
-72.5°	22.8	22.6	22.5	22.3	22.1	21.9	21.7	21.5	21.3	21.1	20.9
-73.75°	21.5	21.3	21.2	21.0	20.9	20.7	20.5	20.3	20.1	19.9	19.7
-75°	20.2	20.0	19.9	19.7	19.6	19.4	19.3	19.1	18.9	18.7	18.5
-76.25°	18.9	18.7	18.6	18.5	18.3	18.2	18.0	17.9	17.7	17.5	17.3
-77.5°	17.5	17.4	17.3	17.2	17.0	16.9	16.7	16.6	16.4	16.3	16.1



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	16.2	16.1	15.9	15.8	15.7	15.6	15.5	15.3	15.1	14.9	14.8
-80°	14.6	14.5	14.4	14.3	14.2	14.0	13.9	13.8	13.6	13.5	13.3
-81.25°	13.0	12.9	12.8	12.7	12.6	12.5	12.4	12.2	12.1	12.0	11.8
-82.5°	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2	10.0
-83.75°	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3
-85°	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.5
-86.25°	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.9	4.8	4.7	4.6
-87.5°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0
-88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2
87.5°	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4
86.25°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7
85°	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.1
83.75°	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1	7.0	6.8	6.6
82.5°	9.9	9.7	9.6	9.4	9.2	9.0	8.9	8.7	8.5	8.3	8.1
81.25°	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.5
80°	13.1	12.9	12.8	12.6	12.4	12.2	12.0	11.8	11.5	11.2	11.0
78.75°	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.1	12.8	12.6	12.4
77.5°	15.9	15.7	15.6	15.3	15.1	14.9	14.6	14.4	14.1	13.8	13.6
76.25°	17.1	16.9	16.7	16.5	16.3	16.1	15.8	15.6	15.3	15.0	14.7
75°	18.3	18.1	17.9	17.6	17.4	17.2	16.9	16.7	16.4	16.1	15.9
73.75°	19.5	19.2	19.0	18.8	18.5	18.3	18.0	17.7	17.4	17.1	16.8
72.5°	20.6	20.4	20.1	19.9	19.6	19.3	19.0	18.7	18.5	18.1	17.8
71.25°	21.8	21.5	21.2	20.9	20.7	20.4	20.1	19.8	19.4	19.1	18.8
70°	22.9	22.6	22.3	22.0	21.7	21.4	21.1	20.8	20.4	20.1	19.7
68.75°	24.1	23.7	23.4	23.1	22.8	22.5	22.1	21.8	21.4	21.0	20.7
67.5°	26.4	25.7	25.1	24.4	23.8	23.5	23.1	22.8	22.4	22.0	21.6
66.25°	28.6	27.9	27.3	26.5	25.8	25.1	24.3	23.7	23.3	22.9	22.5
65°	30.7	30.1	29.4	28.7	27.9	27.1	26.3	25.5	24.6	23.9	23.4
63.75°	32.8	32.1	31.4	30.7	30.0	29.2	28.3	27.4	26.5	25.6	24.7
62.5°	34.8	34.0	33.3	32.6	31.8	31.0	30.2	29.4	28.4	27.5	26.5
61.25°	37.3	36.4	35.4	34.5	33.7	32.8	32.0	31.1	30.3	29.3	28.3
60°	39.8	38.8	37.8	36.8	35.7	34.7	33.8	32.9	31.9	31.0	30.1
58.75°	42.0	41.2	40.2	39.1	38.0	36.9	35.8	34.6	33.6	32.6	31.6
57.5°	44.0	43.1	42.3	41.4	40.3	39.1	37.9	36.7	35.5	34.3	33.2
56.25°	45.9	45.0	44.1	43.2	42.3	41.3	40.1	38.8	37.5	36.2	34.8
55°	47.6	46.8	46.0	45.0	44.0	43.0	42.0	40.9	39.6	38.2	36.8
53.75°	49.2	48.4	47.5	46.7	45.8	44.8	43.7	42.6	41.5	40.2	38.7
52.5°	50.6	50.0	49.1	48.2	47.3	46.4	45.4	44.2	43.1	41.9	40.6
51.25°	51.6	51.0	50.5	49.7	48.8	47.8	46.9	45.9	44.7	43.4	42.2
50°	52.7	52.1	51.5	50.8	50.2	49.3	48.3	47.2	46.2	45.0	43.7
48.75°	54.0	53.2	52.5	51.8	51.2	50.5	49.6	48.6	47.5	46.4	45.2
47.5°	55.3	54.5	53.6	52.8	52.1	51.4	50.7	49.9	48.8	47.6	46.5
46.25°	56.6	55.8	54.9	54.0	53.1	52.3	51.6	50.8	50.0	48.9	47.7
45°	57.6	56.9	56.2	55.2	54.3	53.3	52.5	51.7	50.9	50.1	48.9
43.75°	58.6	57.9	57.2	56.5	55.5	54.5	53.5	52.5	51.7	50.9	50.0
42.5°	59.6	58.9	58.2	57.4	56.6	55.6	54.6	53.5	52.5	51.7	50.8
41.25°	60.6	59.9	59.1	58.3	57.5	56.7	55.7	54.6	53.5	52.5	51.6
40°	61.6	60.8	60.0	59.2	58.4	57.5	56.7	55.6	54.5	53.3	52.3
38.75°	63.1	61.8	60.9	60.1	59.3	58.4	57.5	56.6	55.5	54.3	53.1
37.5°	65.0	63.3	61.8	61.0	60.1	59.2	58.3	57.4	56.5	55.2	54.0
36.25°	66.9	65.2	63.4	61.8	60.9	60.0	59.1	58.2	57.2	56.2	54.9
35°	70.6	67.0	65.2	63.3	61.8	60.8	59.9	58.9	57.9	56.9	55.8



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	75.8	70.6	66.9	65.0	63.1	61.6	60.6	59.6	58.6	57.6	56.6
32.5°	80.9	75.6	70.1	66.7	64.7	62.7	61.4	60.4	59.3	58.3	57.3
31.25°	87.4	80.4	74.8	69.1	66.2	64.2	62.1	61.1	60.0	59.0	57.9
30°	96.0	86.1	79.5	73.6	67.8	65.7	63.5	61.7	60.7	59.6	58.5
28.75°	104.3	94.2	84.0	78.0	71.9	67.1	64.9	62.7	61.3	60.2	59.1
27.5°	112.4	102.1	91.6	82.2	76.0	69.8	66.3	64.0	61.9	60.8	59.7
26.25°	120.8	109.7	99.0	88.1	80.0	73.6	67.6	65.3	63.0	61.4	60.2
25°	128.8	117.4	106.1	95.0	83.8	77.3	70.7	66.5	64.1	61.9	60.8
23.75°	136.6	124.9	113.1	101.7	90.2	80.9	74.2	67.7	65.3	62.9	61.3
22.5°	144.8	132.2	120.1	108.1	96.4	84.6	77.5	70.6	66.4	63.9	61.8
21.25°	154.1	139.2	126.8	114.4	102.3	90.3	80.7	73.7	67.4	64.9	62.4
20°	163.0	147.0	133.2	120.5	108.0	95.8	83.7	76.6	69.4	65.8	63.3
18.75°	171.4	155.1	139.4	126.4	113.4	100.9	88.4	79.3	72.1	66.7	64.2
17.5°	179.5	162.8	146.1	132.0	118.8	105.8	93.1	81.9	74.6	67.6	65.0
16.25°	187.1	170.1	153.1	137.3	123.8	110.4	97.6	84.7	76.9	69.4	65.7
15°	194.2	177.0	159.7	142.3	128.6	114.9	101.7	88.6	79.1	71.6	66.5
13.75°	200.8	183.3	165.8	148.1	133.0	119.1	105.6	92.3	81.2	73.5	67.1
12.5°	206.9	189.2	171.4	153.5	137.0	123.0	109.1	95.7	83.0	75.3	67.7
11.25°	212.6	194.6	176.6	158.5	140.7	126.5	112.3	98.8	85.3	76.9	69.1
10°	217.6	199.4	181.2	162.9	144.6	129.7	115.4	101.6	87.9	78.4	70.5
8.75°	223.6	203.8	185.3	166.9	148.4	132.5	118.1	104.0	90.3	79.7	71.8
7.5°	228.9	207.5	188.9	170.3	151.7	135.0	120.4	106.2	92.4	80.8	72.9
6.25°	233.4	210.7	192.0	173.3	154.5	137.1	122.5	108.0	94.1	81.8	73.8
5°	237.2	213.4	194.5	175.7	156.8	138.8	124.1	109.5	95.5	82.6	74.5
3.75°	240.1	215.4	196.5	177.6	158.6	140.2	125.4	110.7	96.7	83.2	75.1
2.5°	242.2	216.9	197.9	178.9	159.9	141.1	126.3	111.5	97.5	83.6	75.6
1.25°	243.4	217.8	198.8	179.7	160.7	141.7	126.9	112.0	97.9	83.9	75.8
0°	243.9	218.1	199.1	180.0	161.0	141.9	127.1	112.2	98.1	84.0	75.9
-1.25°	243.4	217.8	198.8	179.7	160.7	141.7	126.9	112.0	97.9	83.9	75.8
-2.5°	242.2	216.9	197.9	178.9	159.9	141.1	126.3	111.5	97.5	83.6	75.6
-3.75°	240.1	215.4	196.5	177.6	158.6	140.2	125.4	110.7	96.7	83.2	75.1
-5°	237.2	213.4	194.5	175.7	156.8	138.8	124.1	109.5	95.5	82.6	74.5
-6.25°	233.4	210.7	192.0	173.3	154.5	137.1	122.5	108.0	94.1	81.8	73.8
-7.5°	228.9	207.5	188.9	170.3	151.7	135.0	120.4	106.2	92.4	80.8	72.9
-8.75°	223.6	203.8	185.3	166.9	148.4	132.5	118.1	104.0	90.3	79.7	71.8
-10°	217.6	199.4	181.2	162.9	144.6	129.7	115.4	101.6	87.9	78.4	70.5
-11.25°	212.6	194.6	176.6	158.5	140.7	126.5	112.3	98.8	85.3	76.9	69.1
-12.5°	206.9	189.2	171.4	153.5	137.0	123.0	109.1	95.7	83.0	75.3	67.7
-13.75°	200.8	183.3	165.8	148.1	133.0	119.1	105.6	92.3	81.2	73.5	67.1
-15°	194.2	177.0	159.7	142.3	128.6	114.9	101.7	88.6	79.1	71.6	66.5
-16.25°	187.1	170.1	153.1	137.3	123.8	110.4	97.6	84.7	76.9	69.4	65.7
-17.5°	179.5	162.8	146.1	132.0	118.8	105.8	93.1	81.9	74.6	67.6	65.0
-18.75°	171.4	155.1	139.4	126.4	113.4	100.9	88.4	79.3	72.1	66.7	64.2
-20°	163.0	147.0	133.2	120.5	108.0	95.8	83.7	76.6	69.4	65.8	63.3
-21.25°	154.1	139.2	126.8	114.4	102.3	90.3	80.7	73.7	67.4	64.9	62.4



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	144.8	132.2	120.1	108.1	96.4	84.6	77.5	70.6	66.4	63.9	61.8
-23.75°	136.6	124.9	113.1	101.7	90.2	80.9	74.2	67.7	65.3	62.9	61.3
-25°	128.8	117.4	106.1	95.0	83.8	77.3	70.7	66.5	64.1	61.9	60.8
-26.25°	120.8	109.7	99.0	88.1	80.0	73.6	67.6	65.3	63.0	61.4	60.2
-27.5°	112.4	102.1	91.6	82.2	76.0	69.8	66.3	64.0	61.9	60.8	59.7
-28.75°	104.3	94.2	84.0	78.0	71.9	67.1	64.9	62.7	61.3	60.2	59.1
-30°	96.0	86.1	79.5	73.6	67.8	65.7	63.5	61.7	60.7	59.6	58.5
-31.25°	87.4	80.4	74.8	69.1	66.2	64.2	62.1	61.1	60.0	59.0	57.9
-32.5°	80.9	75.6	70.1	66.7	64.7	62.7	61.4	60.4	59.3	58.3	57.3
-33.75°	75.8	70.6	66.9	65.0	63.1	61.6	60.6	59.6	58.6	57.6	56.6
-35°	70.6	67.0	65.2	63.3	61.8	60.8	59.9	58.9	57.9	56.9	55.8
-36.25°	66.9	65.2	63.4	61.8	60.9	60.0	59.1	58.2	57.2	56.2	54.9
-37.5°	65.0	63.3	61.8	61.0	60.1	59.2	58.3	57.4	56.5	55.2	54.0
-38.75°	63.1	61.8	60.9	60.1	59.3	58.4	57.5	56.6	55.5	54.3	53.1
-40°	61.6	60.8	60.0	59.2	58.4	57.5	56.7	55.6	54.5	53.3	52.3
-41.25°	60.6	59.9	59.1	58.3	57.5	56.7	55.7	54.6	53.5	52.5	51.6
-42.5°	59.6	58.9	58.2	57.4	56.6	55.6	54.6	53.5	52.5	51.7	50.8
-43.75°	58.6	57.9	57.2	56.5	55.5	54.5	53.5	52.5	51.7	50.9	50.0
-45°	57.6	56.9	56.2	55.2	54.3	53.3	52.5	51.7	50.9	50.1	48.9
-46.25°	56.6	55.8	54.9	54.0	53.1	52.3	51.6	50.8	50.0	48.9	47.7
-47.5°	55.3	54.5	53.6	52.8	52.1	51.4	50.7	49.9	48.8	47.6	46.5
-48.75°	54.0	53.2	52.5	51.8	51.2	50.5	49.6	48.6	47.5	46.4	45.2
-50°	52.7	52.1	51.5	50.8	50.2	49.3	48.3	47.2	46.2	45.0	43.7
-51.25°	51.6	51.0	50.5	49.7	48.8	47.8	46.9	45.9	44.7	43.4	42.2
-52.5°	50.6	50.0	49.1	48.2	47.3	46.4	45.4	44.2	43.1	41.9	40.6
-53.75°	49.2	48.4	47.5	46.7	45.8	44.8	43.7	42.6	41.5	40.2	38.7
-55°	47.6	46.8	46.0	45.0	44.0	43.0	42.0	40.9	39.6	38.2	36.8
-56.25°	45.9	45.0	44.1	43.2	42.3	41.3	40.1	38.8	37.5	36.2	34.8
-57.5°	44.0	43.1	42.3	41.4	40.3	39.1	37.9	36.7	35.5	34.3	33.2
-58.75°	42.0	41.2	40.2	39.1	38.0	36.9	35.8	34.6	33.6	32.6	31.6
-60°	39.8	38.8	37.8	36.8	35.7	34.7	33.8	32.9	31.9	31.0	30.1
-61.25°	37.3	36.4	35.4	34.5	33.7	32.8	32.0	31.1	30.3	29.3	28.3
-62.5°	34.8	34.0	33.3	32.6	31.8	31.0	30.2	29.4	28.4	27.5	26.5
-63.75°	32.8	32.1	31.4	30.7	30.0	29.2	28.3	27.4	26.5	25.6	24.7
-65°	30.7	30.1	29.4	28.7	27.9	27.1	26.3	25.5	24.6	23.9	23.4
-66.25°	28.6	27.9	27.3	26.5	25.8	25.1	24.3	23.7	23.3	22.9	22.5
-67.5°	26.4	25.7	25.1	24.4	23.8	23.5	23.1	22.8	22.4	22.0	21.6
-68.75°	24.1	23.7	23.4	23.1	22.8	22.5	22.1	21.8	21.4	21.0	20.7
-70°	22.9	22.6	22.3	22.0	21.7	21.4	21.1	20.8	20.4	20.1	19.7
-71.25°	21.8	21.5	21.2	20.9	20.7	20.4	20.1	19.8	19.4	19.1	18.8
-72.5°	20.6	20.4	20.1	19.9	19.6	19.3	19.0	18.7	18.5	18.1	17.8
-73.75°	19.5	19.2	19.0	18.8	18.5	18.3	18.0	17.7	17.4	17.1	16.8
-75°	18.3	18.1	17.9	17.6	17.4	17.2	16.9	16.7	16.4	16.1	15.9
-76.25°	17.1	16.9	16.7	16.5	16.3	16.1	15.8	15.6	15.3	15.0	14.7
-77.5°	15.9	15.7	15.6	15.3	15.1	14.9	14.6	14.4	14.1	13.8	13.6



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.1	12.8	12.6	12.4
-80°	13.1	12.9	12.8	12.6	12.4	12.2	12.0	11.8	11.5	11.2	11.0
-81.25°	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.5
-82.5°	9.9	9.7	9.6	9.4	9.2	9.0	8.9	8.7	8.5	8.3	8.1
-83.75°	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1	7.0	6.8	6.6
-85°	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.1
-86.25°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7
-87.5°	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4
-88.75°	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
87.5°	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7
86.25°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
85°	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.5
83.75°	6.5	6.3	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.6
82.5°	7.9	7.7	7.5	7.3	7.0	6.8	6.6	6.4	6.1	5.9	5.6
81.25°	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.7
80°	10.7	10.4	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8
78.75°	12.1	11.8	11.5	11.2	10.9	10.5	10.2	9.9	9.5	9.2	8.8
77.5°	13.3	13.0	12.7	12.4	12.1	11.8	11.4	11.0	10.6	10.2	9.8
76.25°	14.4	14.1	13.8	13.5	13.1	12.8	12.5	12.1	11.7	11.3	10.9
75°	15.6	15.3	14.9	14.6	14.2	13.8	13.5	13.1	12.7	12.3	11.9
73.75°	16.5	16.2	15.9	15.6	15.2	14.8	14.4	14.0	13.6	13.2	12.8
72.5°	17.5	17.2	16.8	16.5	16.1	15.8	15.4	15.0	14.5	14.1	13.6
71.25°	18.4	18.1	17.7	17.4	17.0	16.6	16.2	15.8	15.4	14.9	14.4
70°	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.6	16.2	15.8	15.3
68.75°	20.3	19.9	19.5	19.1	18.7	18.3	17.8	17.4	16.9	16.5	16.0
67.5°	21.2	20.8	20.3	19.9	19.5	19.0	18.6	18.1	17.7	17.2	16.7
66.25°	22.1	21.6	21.2	20.8	20.3	19.8	19.4	18.9	18.4	17.9	17.4
65°	23.0	22.5	22.1	21.6	21.1	20.6	20.1	19.6	19.1	18.6	18.1
63.75°	23.9	23.4	22.9	22.4	21.9	21.4	20.9	20.3	19.8	19.3	18.7
62.5°	25.5	24.5	23.7	23.2	22.7	22.1	21.6	21.0	20.5	19.9	19.4
61.25°	27.3	26.2	25.1	24.0	23.5	22.9	22.3	21.8	21.2	20.6	20.0
60°	29.0	27.9	26.8	25.7	24.5	23.7	23.1	22.5	21.9	21.2	20.6
58.75°	30.6	29.6	28.4	27.2	26.0	24.8	23.8	23.2	22.5	21.9	21.2
57.5°	32.2	31.1	30.0	28.8	27.6	26.3	25.0	23.9	23.2	22.5	21.9
56.25°	33.7	32.6	31.4	30.3	29.1	27.8	26.4	25.1	23.9	23.2	22.5
55°	35.4	34.0	32.9	31.7	30.5	29.2	27.8	26.4	25.0	23.8	23.1
53.75°	37.2	35.7	34.3	33.0	31.8	30.5	29.2	27.8	26.3	24.8	23.7
52.5°	39.1	37.5	35.9	34.4	33.1	31.8	30.5	29.1	27.6	26.0	24.5
51.25°	40.9	39.3	37.7	36.0	34.4	33.0	31.7	30.3	28.8	27.2	25.7
50°	42.4	41.1	39.4	37.7	35.9	34.3	32.9	31.4	30.0	28.4	26.8
48.75°	43.8	42.4	41.1	39.3	37.5	35.7	34.0	32.6	31.1	29.6	27.9
47.5°	45.2	43.8	42.4	40.9	39.1	37.2	35.4	33.7	32.2	30.6	29.0
46.25°	46.5	45.2	43.7	42.2	40.6	38.7	36.8	34.8	33.2	31.6	30.1
45°	47.6	46.4	45.0	43.4	41.9	40.2	38.2	36.2	34.3	32.6	31.0
43.75°	48.8	47.5	46.2	44.7	43.1	41.5	39.6	37.5	35.5	33.6	31.9
42.5°	49.9	48.6	47.2	45.9	44.2	42.6	40.9	38.8	36.7	34.6	32.9
41.25°	50.7	49.6	48.3	46.9	45.4	43.7	42.0	40.1	37.9	35.8	33.8
40°	51.4	50.5	49.3	47.8	46.4	44.8	43.0	41.3	39.1	36.9	34.7
38.75°	52.1	51.2	50.2	48.8	47.3	45.8	44.0	42.3	40.3	38.0	35.7
37.5°	52.8	51.8	50.8	49.7	48.2	46.7	45.0	43.2	41.4	39.1	36.8
36.25°	53.6	52.5	51.5	50.5	49.1	47.5	46.0	44.1	42.3	40.2	37.8
35°	54.5	53.2	52.1	51.0	50.0	48.4	46.8	45.0	43.1	41.2	38.8



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	55.3	54.0	52.7	51.6	50.6	49.2	47.6	45.9	44.0	42.0	39.8
32.5°	56.1	54.8	53.4	52.2	51.1	50.0	48.3	46.6	44.8	42.8	40.8
31.25°	56.8	55.5	54.1	52.7	51.6	50.5	49.0	47.3	45.6	43.6	41.5
30°	57.4	56.2	54.8	53.4	52.1	51.0	49.7	48.0	46.3	44.3	42.2
28.75°	58.0	56.9	55.5	54.0	52.6	51.5	50.3	48.7	46.9	45.0	42.9
27.5°	58.5	57.4	56.2	54.7	53.2	51.9	50.8	49.3	47.5	45.7	43.6
26.25°	59.1	57.9	56.7	55.3	53.8	52.4	51.2	49.9	48.1	46.3	44.2
25°	59.6	58.4	57.2	55.9	54.3	52.8	51.6	50.4	48.7	46.8	44.8
23.75°	60.1	58.9	57.7	56.4	54.9	53.3	52.0	50.7	49.2	47.3	45.4
22.5°	60.6	59.3	58.1	56.9	55.4	53.8	52.3	51.1	49.7	47.8	45.9
21.25°	61.0	59.8	58.5	57.3	55.9	54.3	52.7	51.4	50.2	48.3	46.4
20°	61.4	60.2	58.9	57.7	56.3	54.7	53.1	51.7	50.5	48.7	46.8
18.75°	61.8	60.6	59.3	58.0	56.7	55.1	53.5	52.1	50.8	49.1	47.2
17.5°	62.4	60.9	59.6	58.4	57.1	55.5	53.9	52.3	51.0	49.5	47.5
16.25°	63.1	61.3	60.0	58.7	57.4	55.9	54.2	52.6	51.3	49.9	47.9
15°	63.8	61.6	60.3	59.0	57.6	56.3	54.5	52.8	51.5	50.2	48.2
13.75°	64.4	61.9	60.6	59.2	57.9	56.6	54.9	53.1	51.7	50.4	48.5
12.5°	65.0	62.3	60.8	59.5	58.1	56.8	55.1	53.4	51.9	50.6	48.8
11.25°	65.5	62.8	61.1	59.7	58.4	57.0	55.4	53.6	52.1	50.8	49.0
10°	66.0	63.2	61.3	59.9	58.6	57.2	55.6	53.9	52.3	50.9	49.3
8.75°	66.4	63.6	61.5	60.1	58.7	57.4	55.8	54.1	52.4	51.0	49.5
7.5°	66.8	64.0	61.6	60.3	58.9	57.5	56.0	54.2	52.6	51.2	49.6
6.25°	67.1	64.3	61.8	60.4	59.0	57.6	56.2	54.4	52.7	51.3	49.8
5°	67.3	64.5	61.9	60.5	59.1	57.7	56.3	54.5	52.7	51.4	49.9
3.75°	67.5	64.7	62.0	60.6	59.2	57.8	56.4	54.6	52.8	51.4	50.0
2.5°	67.7	64.8	62.0	60.7	59.3	57.9	56.4	54.6	52.9	51.5	50.0
1.25°	67.8	64.9	62.1	60.7	59.3	57.9	56.5	54.7	52.9	51.5	50.1
0°	67.8	65.0	62.1	60.7	59.3	57.9	56.5	54.7	52.9	51.5	50.1
-1.25°	67.8	64.9	62.1	60.7	59.3	57.9	56.5	54.7	52.9	51.5	50.1
-2.5°	67.7	64.8	62.0	60.7	59.3	57.9	56.4	54.6	52.9	51.5	50.0
-3.75°	67.5	64.7	62.0	60.6	59.2	57.8	56.4	54.6	52.8	51.4	50.0
-5°	67.3	64.5	61.9	60.5	59.1	57.7	56.3	54.5	52.7	51.4	49.9
-6.25°	67.1	64.3	61.8	60.4	59.0	57.6	56.2	54.4	52.7	51.3	49.8
-7.5°	66.8	64.0	61.6	60.3	58.9	57.5	56.0	54.2	52.6	51.2	49.6
-8.75°	66.4	63.6	61.5	60.1	58.7	57.4	55.8	54.1	52.4	51.0	49.5
-10°	66.0	63.2	61.3	59.9	58.6	57.2	55.6	53.9	52.3	50.9	49.3
-11.25°	65.5	62.8	61.1	59.7	58.4	57.0	55.4	53.6	52.1	50.8	49.0
-12.5°	65.0	62.3	60.8	59.5	58.1	56.8	55.1	53.4	51.9	50.6	48.8
-13.75°	64.4	61.9	60.6	59.2	57.9	56.6	54.9	53.1	51.7	50.4	48.5
-15°	63.8	61.6	60.3	59.0	57.6	56.3	54.5	52.8	51.5	50.2	48.2
-16.25°	63.1	61.3	60.0	58.7	57.4	55.9	54.2	52.6	51.3	49.9	47.9
-17.5°	62.4	60.9	59.6	58.4	57.1	55.5	53.9	52.3	51.0	49.5	47.5
-18.75°	61.8	60.6	59.3	58.0	56.7	55.1	53.5	52.1	50.8	49.1	47.2
-20°	61.4	60.2	58.9	57.7	56.3	54.7	53.1	51.7	50.5	48.7	46.8
-21.25°	61.0	59.8	58.5	57.3	55.9	54.3	52.7	51.4	50.2	48.3	46.4



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	60.6	59.3	58.1	56.9	55.4	53.8	52.3	51.1	49.7	47.8	45.9
-23.75°	60.1	58.9	57.7	56.4	54.9	53.3	52.0	50.7	49.2	47.3	45.4
-25°	59.6	58.4	57.2	55.9	54.3	52.8	51.6	50.4	48.7	46.8	44.8
-26.25°	59.1	57.9	56.7	55.3	53.8	52.4	51.2	49.9	48.1	46.3	44.2
-27.5°	58.5	57.4	56.2	54.7	53.2	51.9	50.8	49.3	47.5	45.7	43.6
-28.75°	58.0	56.9	55.5	54.0	52.6	51.5	50.3	48.7	46.9	45.0	42.9
-30°	57.4	56.2	54.8	53.4	52.1	51.0	49.7	48.0	46.3	44.3	42.2
-31.25°	56.8	55.5	54.1	52.7	51.6	50.5	49.0	47.3	45.6	43.6	41.5
-32.5°	56.1	54.8	53.4	52.2	51.1	50.0	48.3	46.6	44.8	42.8	40.8
-33.75°	55.3	54.0	52.7	51.6	50.6	49.2	47.6	45.9	44.0	42.0	39.8
-35°	54.5	53.2	52.1	51.0	50.0	48.4	46.8	45.0	43.1	41.2	38.8
-36.25°	53.6	52.5	51.5	50.5	49.1	47.5	46.0	44.1	42.3	40.2	37.8
-37.5°	52.8	51.8	50.8	49.7	48.2	46.7	45.0	43.2	41.4	39.1	36.8
-38.75°	52.1	51.2	50.2	48.8	47.3	45.8	44.0	42.3	40.3	38.0	35.7
-40°	51.4	50.5	49.3	47.8	46.4	44.8	43.0	41.3	39.1	36.9	34.7
-41.25°	50.7	49.6	48.3	46.9	45.4	43.7	42.0	40.1	37.9	35.8	33.8
-42.5°	49.9	48.6	47.2	45.9	44.2	42.6	40.9	38.8	36.7	34.6	32.9
-43.75°	48.8	47.5	46.2	44.7	43.1	41.5	39.6	37.5	35.5	33.6	31.9
-45°	47.6	46.4	45.0	43.4	41.9	40.2	38.2	36.2	34.3	32.6	31.0
-46.25°	46.5	45.2	43.7	42.2	40.6	38.7	36.8	34.8	33.2	31.6	30.1
-47.5°	45.2	43.8	42.4	40.9	39.1	37.2	35.4	33.7	32.2	30.6	29.0
-48.75°	43.8	42.4	41.1	39.3	37.5	35.7	34.0	32.6	31.1	29.6	27.9
-50°	42.4	41.1	39.4	37.7	35.9	34.3	32.9	31.4	30.0	28.4	26.8
-51.25°	40.9	39.3	37.7	36.0	34.4	33.0	31.7	30.3	28.8	27.2	25.7
-52.5°	39.1	37.5	35.9	34.4	33.1	31.8	30.5	29.1	27.6	26.0	24.5
-53.75°	37.2	35.7	34.3	33.0	31.8	30.5	29.2	27.8	26.3	24.8	23.7
-55°	35.4	34.0	32.9	31.7	30.5	29.2	27.8	26.4	25.0	23.8	23.1
-56.25°	33.7	32.6	31.4	30.3	29.1	27.8	26.4	25.1	23.9	23.2	22.5
-57.5°	32.2	31.1	30.0	28.8	27.6	26.3	25.0	23.9	23.2	22.5	21.9
-58.75°	30.6	29.6	28.4	27.2	26.0	24.8	23.8	23.2	22.5	21.9	21.2
-60°	29.0	27.9	26.8	25.7	24.5	23.7	23.1	22.5	21.9	21.2	20.6
-61.25°	27.3	26.2	25.1	24.0	23.5	22.9	22.3	21.8	21.2	20.6	20.0
-62.5°	25.5	24.5	23.7	23.2	22.7	22.1	21.6	21.0	20.5	19.9	19.4
-63.75°	23.9	23.4	22.9	22.4	21.9	21.4	20.9	20.3	19.8	19.3	18.7
-65°	23.0	22.5	22.1	21.6	21.1	20.6	20.1	19.6	19.1	18.6	18.1
-66.25°	22.1	21.6	21.2	20.8	20.3	19.8	19.4	18.9	18.4	17.9	17.4
-67.5°	21.2	20.8	20.3	19.9	19.5	19.0	18.6	18.1	17.7	17.2	16.7
-68.75°	20.3	19.9	19.5	19.1	18.7	18.3	17.8	17.4	16.9	16.5	16.0
-70°	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.6	16.2	15.8	15.3
-71.25°	18.4	18.1	17.7	17.4	17.0	16.6	16.2	15.8	15.4	14.9	14.4
-72.5°	17.5	17.2	16.8	16.5	16.1	15.8	15.4	15.0	14.5	14.1	13.6
-73.75°	16.5	16.2	15.9	15.6	15.2	14.8	14.4	14.0	13.6	13.2	12.8
-75°	15.6	15.3	14.9	14.6	14.2	13.8	13.5	13.1	12.7	12.3	11.9
-76.25°	14.4	14.1	13.8	13.5	13.1	12.8	12.5	12.1	11.7	11.3	10.9
-77.5°	13.3	13.0	12.7	12.4	12.1	11.8	11.4	11.0	10.6	10.2	9.8



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	12.1	11.8	11.5	11.2	10.9	10.5	10.2	9.9	9.5	9.2	8.8
-80°	10.7	10.4	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8
-81.25°	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.7
-82.5°	7.9	7.7	7.5	7.3	7.0	6.8	6.6	6.4	6.1	5.9	5.6
-83.75°	6.5	6.3	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.6
-85°	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.5
-86.25°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-87.5°	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7
-88.75°	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	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: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5
87.5°	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0
86.25°	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5
85°	3.4	3.2	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1	2.0
83.75°	4.4	4.2	3.9	3.7	3.5	3.3	3.2	3.0	2.8	2.6	2.4
82.5°	5.4	5.1	4.9	4.6	4.4	4.1	3.9	3.6	3.4	3.1	2.9
81.25°	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.7	3.4
80°	7.4	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.7	4.3	4.0
78.75°	8.4	8.1	7.7	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.6
77.5°	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	6.1	5.6	5.2
76.25°	10.4	10.0	9.5	9.1	8.6	8.2	7.7	7.2	6.7	6.2	5.8
75°	11.4	10.9	10.4	9.9	9.5	8.9	8.4	7.9	7.4	6.9	6.3
73.75°	12.3	11.9	11.3	10.8	10.3	9.7	9.2	8.6	8.1	7.5	6.9
72.5°	13.1	12.7	12.2	11.7	11.1	10.5	9.9	9.3	8.7	8.1	7.5
71.25°	14.0	13.4	12.9	12.4	11.9	11.3	10.6	10.0	9.4	8.7	8.1
70°	14.8	14.2	13.7	13.1	12.6	12.0	11.4	10.7	10.0	9.3	8.6
68.75°	15.5	15.0	14.4	13.8	13.3	12.7	12.1	11.4	10.6	9.9	9.2
67.5°	16.2	15.7	15.1	14.5	13.9	13.3	12.7	12.0	11.3	10.5	9.7
66.25°	16.9	16.3	15.8	15.2	14.6	13.9	13.3	12.6	11.9	11.1	10.3
65°	17.5	17.0	16.4	15.8	15.2	14.5	13.8	13.1	12.4	11.7	10.8
63.75°	18.1	17.6	17.0	16.4	15.8	15.1	14.4	13.7	12.9	12.2	11.3
62.5°	18.8	18.2	17.6	17.0	16.3	15.7	15.0	14.2	13.4	12.7	11.9
61.25°	19.4	18.8	18.1	17.5	16.9	16.2	15.5	14.8	14.0	13.1	12.3
60°	20.0	19.4	18.7	18.1	17.4	16.7	16.0	15.3	14.4	13.6	12.8
58.75°	20.6	19.9	19.3	18.6	17.9	17.2	16.5	15.8	14.9	14.1	13.2
57.5°	21.2	20.5	19.8	19.1	18.4	17.7	16.9	16.2	15.4	14.5	13.6
56.25°	21.8	21.0	20.3	19.6	18.9	18.1	17.4	16.6	15.8	15.0	14.0
55°	22.3	21.6	20.9	20.1	19.4	18.6	17.8	17.0	16.2	15.4	14.4
53.75°	22.9	22.1	21.4	20.6	19.8	19.0	18.3	17.4	16.6	15.8	14.8
52.5°	23.5	22.7	21.9	21.1	20.3	19.5	18.7	17.8	17.0	16.1	15.2
51.25°	24.0	23.2	22.4	21.6	20.8	19.9	19.1	18.2	17.4	16.5	15.6
50°	25.1	23.7	22.9	22.1	21.2	20.3	19.5	18.6	17.7	16.8	15.9
48.75°	26.2	24.5	23.4	22.5	21.6	20.8	19.9	19.0	18.1	17.2	16.2
47.5°	27.3	25.5	23.9	23.0	22.1	21.2	20.3	19.4	18.4	17.5	16.5
46.25°	28.3	26.5	24.7	23.4	22.5	21.6	20.7	19.7	18.8	17.8	16.8
45°	29.3	27.5	25.6	23.9	22.9	22.0	21.0	20.1	19.1	18.1	17.1
43.75°	30.3	28.4	26.5	24.6	23.3	22.4	21.4	20.4	19.4	18.5	17.4
42.5°	31.1	29.4	27.4	25.5	23.7	22.8	21.8	20.8	19.8	18.7	17.7
41.25°	32.0	30.2	28.3	26.3	24.3	23.1	22.1	21.1	20.1	19.0	18.0
40°	32.8	31.0	29.2	27.1	25.1	23.5	22.5	21.4	20.4	19.3	18.3
38.75°	33.7	31.8	30.0	27.9	25.8	23.8	22.8	21.7	20.7	19.6	18.5
37.5°	34.5	32.6	30.7	28.7	26.5	24.4	23.1	22.0	20.9	19.9	18.8
36.25°	35.4	33.3	31.4	29.4	27.3	25.1	23.4	22.3	21.2	20.1	19.0
35°	36.4	34.0	32.1	30.1	27.9	25.7	23.7	22.6	21.5	20.4	19.2



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	37.3	34.8	32.8	30.7	28.6	26.4	24.1	22.9	21.8	20.6	19.5
32.5°	38.2	35.7	33.4	31.4	29.3	27.0	24.7	23.2	22.0	20.9	19.7
31.25°	39.1	36.5	34.0	32.0	29.9	27.6	25.2	23.4	22.3	21.1	19.9
30°	39.9	37.3	34.7	32.5	30.4	28.2	25.8	23.7	22.5	21.3	20.1
28.75°	40.8	38.1	35.4	33.1	31.0	28.7	26.3	23.9	22.7	21.5	20.3
27.5°	41.4	38.8	36.1	33.6	31.5	29.2	26.8	24.4	23.0	21.7	20.5
26.25°	42.0	39.6	36.8	34.1	31.9	29.7	27.3	24.8	23.2	21.9	20.7
25°	42.6	40.2	37.5	34.7	32.4	30.2	27.8	25.2	23.4	22.1	20.9
23.75°	43.1	40.9	38.1	35.2	32.9	30.6	28.2	25.7	23.6	22.3	21.0
22.5°	43.7	41.4	38.7	35.8	33.3	31.0	28.6	26.1	23.7	22.5	21.2
21.25°	44.2	41.9	39.2	36.4	33.7	31.4	29.0	26.4	23.9	22.6	21.3
20°	44.6	42.3	39.8	36.9	34.1	31.8	29.4	26.8	24.2	22.8	21.5
18.75°	45.1	42.8	40.3	37.3	34.4	32.1	29.7	27.1	24.5	22.9	21.6
17.5°	45.5	43.2	40.8	37.8	34.8	32.4	30.0	27.4	24.8	23.1	21.7
16.25°	45.9	43.5	41.2	38.2	35.2	32.7	30.3	27.7	25.1	23.2	21.9
15°	46.2	43.9	41.5	38.6	35.6	33.0	30.6	28.0	25.3	23.3	22.0
13.75°	46.5	44.2	41.8	39.0	35.9	33.2	30.8	28.3	25.6	23.4	22.1
12.5°	46.8	44.5	42.1	39.3	36.2	33.5	31.0	28.5	25.8	23.5	22.2
11.25°	47.0	44.8	42.3	39.6	36.5	33.7	31.2	28.7	26.0	23.6	22.2
10°	47.2	45.0	42.5	39.9	36.8	33.9	31.4	28.9	26.1	23.7	22.3
8.75°	47.4	45.2	42.7	40.1	37.0	34.0	31.6	29.1	26.3	23.8	22.4
7.5°	47.5	45.4	42.9	40.3	37.2	34.2	31.7	29.2	26.4	23.8	22.4
6.25°	47.7	45.5	43.1	40.5	37.4	34.3	31.8	29.3	26.5	23.9	22.5
5°	47.8	45.7	43.2	40.6	37.5	34.4	31.9	29.4	26.6	23.9	22.5
3.75°	47.9	45.8	43.3	40.8	37.6	34.5	32.0	29.5	26.7	24.0	22.6
2.5°	47.9	45.8	43.3	40.8	37.7	34.6	32.1	29.6	26.8	24.0	22.6
1.25°	48.0	45.9	43.4	40.9	37.7	34.6	32.1	29.6	26.8	24.0	22.6
0°	48.0	45.9	43.4	40.9	37.8	34.6	32.1	29.6	26.8	24.0	22.6
-1.25°	48.0	45.9	43.4	40.9	37.7	34.6	32.1	29.6	26.8	24.0	22.6
-2.5°	47.9	45.8	43.3	40.8	37.7	34.6	32.1	29.6	26.8	24.0	22.6
-3.75°	47.9	45.8	43.3	40.8	37.6	34.5	32.0	29.5	26.7	24.0	22.6
-5°	47.8	45.7	43.2	40.6	37.5	34.4	31.9	29.4	26.6	23.9	22.5
-6.25°	47.7	45.5	43.1	40.5	37.4	34.3	31.8	29.3	26.5	23.9	22.5
-7.5°	47.5	45.4	42.9	40.3	37.2	34.2	31.7	29.2	26.4	23.8	22.4
-8.75°	47.4	45.2	42.7	40.1	37.0	34.0	31.6	29.1	26.3	23.8	22.4
-10°	47.2	45.0	42.5	39.9	36.8	33.9	31.4	28.9	26.1	23.7	22.3
-11.25°	47.0	44.8	42.3	39.6	36.5	33.7	31.2	28.7	26.0	23.6	22.2
-12.5°	46.8	44.5	42.1	39.3	36.2	33.5	31.0	28.5	25.8	23.5	22.2
-13.75°	46.5	44.2	41.8	39.0	35.9	33.2	30.8	28.3	25.6	23.4	22.1
-15°	46.2	43.9	41.5	38.6	35.6	33.0	30.6	28.0	25.3	23.3	22.0
-16.25°	45.9	43.5	41.2	38.2	35.2	32.7	30.3	27.7	25.1	23.2	21.9
-17.5°	45.5	43.2	40.8	37.8	34.8	32.4	30.0	27.4	24.8	23.1	21.7
-18.75°	45.1	42.8	40.3	37.3	34.4	32.1	29.7	27.1	24.5	22.9	21.6
-20°	44.6	42.3	39.8	36.9	34.1	31.8	29.4	26.8	24.2	22.8	21.5
-21.25°	44.2	41.9	39.2	36.4	33.7	31.4	29.0	26.4	23.9	22.6	21.3



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	43.7	41.4	38.7	35.8	33.3	31.0	28.6	26.1	23.7	22.5	21.2
-23.75°	43.1	40.9	38.1	35.2	32.9	30.6	28.2	25.7	23.6	22.3	21.0
-25°	42.6	40.2	37.5	34.7	32.4	30.2	27.8	25.2	23.4	22.1	20.9
-26.25°	42.0	39.6	36.8	34.1	31.9	29.7	27.3	24.8	23.2	21.9	20.7
-27.5°	41.4	38.8	36.1	33.6	31.5	29.2	26.8	24.4	23.0	21.7	20.5
-28.75°	40.8	38.1	35.4	33.1	31.0	28.7	26.3	23.9	22.7	21.5	20.3
-30°	39.9	37.3	34.7	32.5	30.4	28.2	25.8	23.7	22.5	21.3	20.1
-31.25°	39.1	36.5	34.0	32.0	29.9	27.6	25.2	23.4	22.3	21.1	19.9
-32.5°	38.2	35.7	33.4	31.4	29.3	27.0	24.7	23.2	22.0	20.9	19.7
-33.75°	37.3	34.8	32.8	30.7	28.6	26.4	24.1	22.9	21.8	20.6	19.5
-35°	36.4	34.0	32.1	30.1	27.9	25.7	23.7	22.6	21.5	20.4	19.2
-36.25°	35.4	33.3	31.4	29.4	27.3	25.1	23.4	22.3	21.2	20.1	19.0
-37.5°	34.5	32.6	30.7	28.7	26.5	24.4	23.1	22.0	20.9	19.9	18.8
-38.75°	33.7	31.8	30.0	27.9	25.8	23.8	22.8	21.7	20.7	19.6	18.5
-40°	32.8	31.0	29.2	27.1	25.1	23.5	22.5	21.4	20.4	19.3	18.3
-41.25°	32.0	30.2	28.3	26.3	24.3	23.1	22.1	21.1	20.1	19.0	18.0
-42.5°	31.1	29.4	27.4	25.5	23.7	22.8	21.8	20.8	19.8	18.7	17.7
-43.75°	30.3	28.4	26.5	24.6	23.3	22.4	21.4	20.4	19.4	18.5	17.4
-45°	29.3	27.5	25.6	23.9	22.9	22.0	21.0	20.1	19.1	18.1	17.1
-46.25°	28.3	26.5	24.7	23.4	22.5	21.6	20.7	19.7	18.8	17.8	16.8
-47.5°	27.3	25.5	23.9	23.0	22.1	21.2	20.3	19.4	18.4	17.5	16.5
-48.75°	26.2	24.5	23.4	22.5	21.6	20.8	19.9	19.0	18.1	17.2	16.2
-50°	25.1	23.7	22.9	22.1	21.2	20.3	19.5	18.6	17.7	16.8	15.9
-51.25°	24.0	23.2	22.4	21.6	20.8	19.9	19.1	18.2	17.4	16.5	15.6
-52.5°	23.5	22.7	21.9	21.1	20.3	19.5	18.7	17.8	17.0	16.1	15.2
-53.75°	22.9	22.1	21.4	20.6	19.8	19.0	18.3	17.4	16.6	15.8	14.8
-55°	22.3	21.6	20.9	20.1	19.4	18.6	17.8	17.0	16.2	15.4	14.4
-56.25°	21.8	21.0	20.3	19.6	18.9	18.1	17.4	16.6	15.8	15.0	14.0
-57.5°	21.2	20.5	19.8	19.1	18.4	17.7	16.9	16.2	15.4	14.5	13.6
-58.75°	20.6	19.9	19.3	18.6	17.9	17.2	16.5	15.8	14.9	14.1	13.2
-60°	20.0	19.4	18.7	18.1	17.4	16.7	16.0	15.3	14.4	13.6	12.8
-61.25°	19.4	18.8	18.1	17.5	16.9	16.2	15.5	14.8	14.0	13.1	12.3
-62.5°	18.8	18.2	17.6	17.0	16.3	15.7	15.0	14.2	13.4	12.7	11.9
-63.75°	18.1	17.6	17.0	16.4	15.8	15.1	14.4	13.7	12.9	12.2	11.3
-65°	17.5	17.0	16.4	15.8	15.2	14.5	13.8	13.1	12.4	11.7	10.8
-66.25°	16.9	16.3	15.8	15.2	14.6	13.9	13.3	12.6	11.9	11.1	10.3
-67.5°	16.2	15.7	15.1	14.5	13.9	13.3	12.7	12.0	11.3	10.5	9.7
-68.75°	15.5	15.0	14.4	13.8	13.3	12.7	12.1	11.4	10.6	9.9	9.2
-70°	14.8	14.2	13.7	13.1	12.6	12.0	11.4	10.7	10.0	9.3	8.6
-71.25°	14.0	13.4	12.9	12.4	11.9	11.3	10.6	10.0	9.4	8.7	8.1
-72.5°	13.1	12.7	12.2	11.7	11.1	10.5	9.9	9.3	8.7	8.1	7.5
-73.75°	12.3	11.9	11.3	10.8	10.3	9.7	9.2	8.6	8.1	7.5	6.9
-75°	11.4	10.9	10.4	9.9	9.5	8.9	8.4	7.9	7.4	6.9	6.3
-76.25°	10.4	10.0	9.5	9.1	8.6	8.2	7.7	7.2	6.7	6.2	5.8
-77.5°	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	6.1	5.6	5.2



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	8.4	8.1	7.7	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.6
-80°	7.4	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.7	4.3	4.0
-81.25°	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.7	3.4
-82.5°	5.4	5.1	4.9	4.6	4.4	4.1	3.9	3.6	3.4	3.1	2.9
-83.75°	4.4	4.2	3.9	3.7	3.5	3.3	3.2	3.0	2.8	2.6	2.4
-85°	3.4	3.2	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1	2.0
-86.25°	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5
-87.5°	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0
-88.75°	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1
87.5°	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
86.25°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
85°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
83.75°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
82.5°	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
81.25°	3.2	2.9	2.6	2.4	2.1	1.9	1.6	1.3	1.1	0.8	0.5
80°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
78.75°	4.2	3.8	3.4	3.1	2.7	2.4	2.0	1.7	1.4	1.0	0.7
77.5°	4.7	4.3	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8
76.25°	5.3	4.8	4.3	3.8	3.3	2.9	2.5	2.1	1.7	1.2	0.8
75°	5.8	5.3	4.7	4.2	3.6	3.2	2.7	2.3	1.8	1.4	0.9
73.75°	6.3	5.8	5.2	4.6	4.0	3.4	2.9	2.4	2.0	1.5	1.0
72.5°	6.9	6.2	5.6	5.0	4.3	3.7	3.1	2.6	2.1	1.6	1.1
71.25°	7.4	6.7	6.1	5.4	4.7	4.0	3.4	2.8	2.2	1.7	1.1
70°	7.9	7.2	6.5	5.8	5.1	4.3	3.6	3.0	2.4	1.8	1.2
68.75°	8.4	7.7	6.9	6.2	5.4	4.6	3.9	3.2	2.5	1.9	1.3
67.5°	8.9	8.2	7.4	6.6	5.8	4.9	4.1	3.3	2.7	2.0	1.3
66.25°	9.5	8.6	7.8	7.0	6.1	5.2	4.4	3.5	2.8	2.1	1.4
65°	9.9	9.1	8.2	7.3	6.4	5.5	4.6	3.7	3.0	2.2	1.5
63.75°	10.4	9.5	8.6	7.7	6.8	5.8	4.9	3.9	3.1	2.3	1.5
62.5°	10.9	10.0	9.0	8.1	7.1	6.1	5.1	4.2	3.2	2.4	1.6
61.25°	11.4	10.4	9.4	8.4	7.4	6.4	5.4	4.4	3.4	2.5	1.7
60°	11.9	10.9	9.8	8.8	7.8	6.7	5.6	4.6	3.5	2.6	1.7
58.75°	12.3	11.3	10.2	9.2	8.1	7.0	5.9	4.8	3.7	2.7	1.8
57.5°	12.7	11.7	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9
56.25°	13.1	12.1	11.0	9.9	8.7	7.5	6.4	5.2	4.0	2.9	1.9
55°	13.5	12.5	11.4	10.2	9.0	7.8	6.6	5.4	4.1	3.0	2.0
53.75°	13.8	12.8	11.8	10.5	9.3	8.1	6.8	5.5	4.3	3.1	2.1
52.5°	14.2	13.1	12.1	10.9	9.6	8.3	7.0	5.7	4.4	3.2	2.1
51.25°	14.6	13.5	12.4	11.2	9.9	8.6	7.3	5.9	4.6	3.3	2.2
50°	14.9	13.8	12.7	11.5	10.2	8.8	7.5	6.1	4.7	3.4	2.2
48.75°	15.3	14.1	13.0	11.8	10.4	9.1	7.7	6.3	4.9	3.5	2.3
47.5°	15.6	14.4	13.3	12.1	10.7	9.3	7.9	6.5	5.0	3.6	2.4
46.25°	15.9	14.7	13.6	12.4	11.0	9.5	8.1	6.6	5.1	3.7	2.4
45°	16.1	15.0	13.8	12.6	11.2	9.8	8.3	6.8	5.3	3.8	2.5
43.75°	16.4	15.3	14.1	12.8	11.5	10.0	8.5	7.0	5.4	3.9	2.5
42.5°	16.7	15.6	14.4	13.1	11.8	10.2	8.7	7.1	5.5	4.0	2.6
41.25°	16.9	15.8	14.6	13.3	12.0	10.4	8.9	7.3	5.7	4.0	2.6
40°	17.2	16.1	14.9	13.5	12.2	10.6	9.0	7.4	5.8	4.1	2.7
38.75°	17.4	16.3	15.1	13.8	12.4	10.8	9.2	7.6	5.9	4.2	2.7
37.5°	17.6	16.5	15.3	14.0	12.6	11.0	9.4	7.7	6.0	4.3	2.8
36.25°	17.9	16.7	15.6	14.2	12.8	11.2	9.6	7.9	6.1	4.4	2.8
35°	18.1	16.9	15.7	14.4	12.9	11.4	9.7	8.0	6.2	4.5	2.9



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	18.3	17.1	15.9	14.6	13.1	11.6	9.9	8.1	6.3	4.6	2.9
32.5°	18.5	17.3	16.1	14.8	13.3	11.8	10.0	8.3	6.5	4.6	3.0
31.25°	18.7	17.5	16.3	14.9	13.5	12.0	10.2	8.4	6.5	4.7	3.0
30°	18.9	17.7	16.4	15.1	13.6	12.1	10.3	8.5	6.6	4.8	3.0
28.75°	19.1	17.9	16.6	15.3	13.8	12.2	10.4	8.6	6.7	4.9	3.1
27.5°	19.3	18.0	16.7	15.5	13.9	12.4	10.6	8.7	6.8	4.9	3.1
26.25°	19.4	18.2	16.9	15.6	14.0	12.5	10.7	8.8	6.9	5.0	3.1
25°	19.6	18.3	17.0	15.7	14.2	12.6	10.8	8.9	7.0	5.0	3.2
23.75°	19.7	18.5	17.2	15.8	14.3	12.7	10.9	9.0	7.1	5.1	3.2
22.5°	19.9	18.6	17.3	15.9	14.4	12.8	11.0	9.1	7.1	5.2	3.2
21.25°	20.0	18.7	17.4	16.1	14.5	12.9	11.1	9.2	7.2	5.2	3.3
20°	20.2	18.9	17.5	16.2	14.6	13.0	11.2	9.3	7.3	5.3	3.3
18.75°	20.3	19.0	17.6	16.2	14.7	13.1	11.3	9.3	7.3	5.3	3.3
17.5°	20.4	19.1	17.7	16.3	14.8	13.2	11.4	9.4	7.4	5.4	3.3
16.25°	20.5	19.2	17.8	16.4	14.9	13.3	11.5	9.5	7.5	5.4	3.4
15°	20.6	19.3	17.9	16.5	15.0	13.3	11.6	9.5	7.5	5.4	3.4
13.75°	20.7	19.4	18.0	16.6	15.1	13.4	11.6	9.6	7.6	5.5	3.4
12.5°	20.8	19.4	18.1	16.6	15.2	13.5	11.7	9.7	7.6	5.5	3.4
11.25°	20.9	19.5	18.1	16.7	15.2	13.5	11.8	9.7	7.6	5.5	3.4
10°	20.9	19.6	18.2	16.7	15.3	13.6	11.8	9.7	7.7	5.6	3.4
8.75°	21.0	19.6	18.2	16.8	15.3	13.6	11.9	9.8	7.7	5.6	3.5
7.5°	21.1	19.7	18.3	16.8	15.4	13.6	11.9	9.8	7.7	5.6	3.5
6.25°	21.1	19.7	18.3	16.9	15.4	13.7	11.9	9.8	7.7	5.6	3.5
5°	21.1	19.7	18.3	16.9	15.4	13.7	12.0	9.9	7.8	5.6	3.5
3.75°	21.2	19.8	18.4	16.9	15.5	13.7	12.0	9.9	7.8	5.6	3.5
2.5°	21.2	19.8	18.4	16.9	15.5	13.7	12.0	9.9	7.8	5.6	3.5
1.25°	21.2	19.8	18.4	16.9	15.5	13.7	12.0	9.9	7.8	5.6	3.5
0°	21.2	19.8	18.4	17.0	15.5	13.8	12.0	9.9	7.8	5.7	3.5
-1.25°	21.2	19.8	18.4	16.9	15.5	13.7	12.0	9.9	7.8	5.6	3.5
-2.5°	21.2	19.8	18.4	16.9	15.5	13.7	12.0	9.9	7.8	5.6	3.5
-3.75°	21.2	19.8	18.4	16.9	15.5	13.7	12.0	9.9	7.8	5.6	3.5
-5°	21.1	19.7	18.3	16.9	15.4	13.7	12.0	9.9	7.8	5.6	3.5
-6.25°	21.1	19.7	18.3	16.9	15.4	13.7	11.9	9.8	7.7	5.6	3.5
-7.5°	21.1	19.7	18.3	16.8	15.4	13.6	11.9	9.8	7.7	5.6	3.5
-8.75°	21.0	19.6	18.2	16.8	15.3	13.6	11.9	9.8	7.7	5.6	3.5
-10°	20.9	19.6	18.2	16.7	15.3	13.6	11.8	9.7	7.7	5.6	3.4
-11.25°	20.9	19.5	18.1	16.7	15.2	13.5	11.8	9.7	7.6	5.5	3.4
-12.5°	20.8	19.4	18.1	16.6	15.2	13.5	11.7	9.7	7.6	5.5	3.4
-13.75°	20.7	19.4	18.0	16.6	15.1	13.4	11.6	9.6	7.6	5.5	3.4
-15°	20.6	19.3	17.9	16.5	15.0	13.3	11.6	9.5	7.5	5.4	3.4
-16.25°	20.5	19.2	17.8	16.4	14.9	13.3	11.5	9.5	7.5	5.4	3.4
-17.5°	20.4	19.1	17.7	16.3	14.8	13.2	11.4	9.4	7.4	5.4	3.3
-18.75°	20.3	19.0	17.6	16.2	14.7	13.1	11.3	9.3	7.3	5.3	3.3
-20°	20.2	18.9	17.5	16.2	14.6	13.0	11.2	9.3	7.3	5.3	3.3
-21.25°	20.0	18.7	17.4	16.1	14.5	12.9	11.1	9.2	7.2	5.2	3.3



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	19.9	18.6	17.3	15.9	14.4	12.8	11.0	9.1	7.1	5.2	3.2
-23.75°	19.7	18.5	17.2	15.8	14.3	12.7	10.9	9.0	7.1	5.1	3.2
-25°	19.6	18.3	17.0	15.7	14.2	12.6	10.8	8.9	7.0	5.0	3.2
-26.25°	19.4	18.2	16.9	15.6	14.0	12.5	10.7	8.8	6.9	5.0	3.1
-27.5°	19.3	18.0	16.7	15.5	13.9	12.4	10.6	8.7	6.8	4.9	3.1
-28.75°	19.1	17.9	16.6	15.3	13.8	12.2	10.4	8.6	6.7	4.9	3.1
-30°	18.9	17.7	16.4	15.1	13.6	12.1	10.3	8.5	6.6	4.8	3.0
-31.25°	18.7	17.5	16.3	14.9	13.5	12.0	10.2	8.4	6.5	4.7	3.0
-32.5°	18.5	17.3	16.1	14.8	13.3	11.8	10.0	8.3	6.5	4.6	3.0
-33.75°	18.3	17.1	15.9	14.6	13.1	11.6	9.9	8.1	6.3	4.6	2.9
-35°	18.1	16.9	15.7	14.4	12.9	11.4	9.7	8.0	6.2	4.5	2.9
-36.25°	17.9	16.7	15.6	14.2	12.8	11.2	9.6	7.9	6.1	4.4	2.8
-37.5°	17.6	16.5	15.3	14.0	12.6	11.0	9.4	7.7	6.0	4.3	2.8
-38.75°	17.4	16.3	15.1	13.8	12.4	10.8	9.2	7.6	5.9	4.2	2.7
-40°	17.2	16.1	14.9	13.5	12.2	10.6	9.0	7.4	5.8	4.1	2.7
-41.25°	16.9	15.8	14.6	13.3	12.0	10.4	8.9	7.3	5.7	4.0	2.6
-42.5°	16.7	15.6	14.4	13.1	11.8	10.2	8.7	7.1	5.5	4.0	2.6
-43.75°	16.4	15.3	14.1	12.8	11.5	10.0	8.5	7.0	5.4	3.9	2.5
-45°	16.1	15.0	13.8	12.6	11.2	9.8	8.3	6.8	5.3	3.8	2.5
-46.25°	15.9	14.7	13.6	12.4	11.0	9.5	8.1	6.6	5.1	3.7	2.4
-47.5°	15.6	14.4	13.3	12.1	10.7	9.3	7.9	6.5	5.0	3.6	2.4
-48.75°	15.3	14.1	13.0	11.8	10.4	9.1	7.7	6.3	4.9	3.5	2.3
-50°	14.9	13.8	12.7	11.5	10.2	8.8	7.5	6.1	4.7	3.4	2.2
-51.25°	14.6	13.5	12.4	11.2	9.9	8.6	7.3	5.9	4.6	3.3	2.2
-52.5°	14.2	13.1	12.1	10.9	9.6	8.3	7.0	5.7	4.4	3.2	2.1
-53.75°	13.8	12.8	11.8	10.5	9.3	8.1	6.8	5.5	4.3	3.1	2.1
-55°	13.5	12.5	11.4	10.2	9.0	7.8	6.6	5.4	4.1	3.0	2.0
-56.25°	13.1	12.1	11.0	9.9	8.7	7.5	6.4	5.2	4.0	2.9	1.9
-57.5°	12.7	11.7	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9
-58.75°	12.3	11.3	10.2	9.2	8.1	7.0	5.9	4.8	3.7	2.7	1.8
-60°	11.9	10.9	9.8	8.8	7.8	6.7	5.6	4.6	3.5	2.6	1.7
-61.25°	11.4	10.4	9.4	8.4	7.4	6.4	5.4	4.4	3.4	2.5	1.7
-62.5°	10.9	10.0	9.0	8.1	7.1	6.1	5.1	4.2	3.2	2.4	1.6
-63.75°	10.4	9.5	8.6	7.7	6.8	5.8	4.9	3.9	3.1	2.3	1.5
-65°	9.9	9.1	8.2	7.3	6.4	5.5	4.6	3.7	3.0	2.2	1.5
-66.25°	9.5	8.6	7.8	7.0	6.1	5.2	4.4	3.5	2.8	2.1	1.4
-67.5°	8.9	8.2	7.4	6.6	5.8	4.9	4.1	3.3	2.7	2.0	1.3
-68.75°	8.4	7.7	6.9	6.2	5.4	4.6	3.9	3.2	2.5	1.9	1.3
-70°	7.9	7.2	6.5	5.8	5.1	4.3	3.6	3.0	2.4	1.8	1.2
-71.25°	7.4	6.7	6.1	5.4	4.7	4.0	3.4	2.8	2.2	1.7	1.1
-72.5°	6.9	6.2	5.6	5.0	4.3	3.7	3.1	2.6	2.1	1.6	1.1
-73.75°	6.3	5.8	5.2	4.6	4.0	3.4	2.9	2.4	2.0	1.5	1.0
-75°	5.8	5.3	4.7	4.2	3.6	3.2	2.7	2.3	1.8	1.4	0.9
-76.25°	5.3	4.8	4.3	3.8	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-77.5°	4.7	4.3	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	4.2	3.8	3.4	3.1	2.7	2.4	2.0	1.7	1.4	1.0	0.7
-80°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-81.25°	3.2	2.9	2.6	2.4	2.1	1.9	1.6	1.3	1.1	0.8	0.5
-82.5°	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
-83.75°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
-85°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-86.25°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
-87.5°	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-88.75°	0.5	0.4	0.4	0.3	0.3	0.3	0.2	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: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	0.2	0.0
81.25°	0.3	0.0
80°	0.3	0.0
78.75°	0.3	0.0
77.5°	0.4	0.0
76.25°	0.4	0.0
75°	0.5	0.0
73.75°	0.5	0.0
72.5°	0.5	0.0
71.25°	0.6	0.0
70°	0.6	0.0
68.75°	0.6	0.0
67.5°	0.7	0.0
66.25°	0.7	0.0
65°	0.7	0.0
63.75°	0.8	0.0
62.5°	0.8	0.0
61.25°	0.8	0.0
60°	0.9	0.0
58.75°	0.9	0.0
57.5°	0.9	0.0
56.25°	1.0	0.0
55°	1.0	0.0
53.75°	1.0	0.0
52.5°	1.1	0.0
51.25°	1.1	0.0
50°	1.1	0.0
48.75°	1.2	0.0
47.5°	1.2	0.0
46.25°	1.2	0.0
45°	1.2	0.0
43.75°	1.3	0.0
42.5°	1.3	0.0
41.25°	1.3	0.0
40°	1.3	0.0
38.75°	1.4	0.0
37.5°	1.4	0.0
36.25°	1.4	0.0
35°	1.4	0.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	1.5	0.0
32.5°	1.5	0.0
31.25°	1.5	0.0
30°	1.5	0.0
28.75°	1.5	0.0
27.5°	1.6	0.0
26.25°	1.6	0.0
25°	1.6	0.0
23.75°	1.6	0.0
22.5°	1.6	0.0
21.25°	1.6	0.0
20°	1.6	0.0
18.75°	1.7	0.0
17.5°	1.7	0.0
16.25°	1.7	0.0
15°	1.7	0.0
13.75°	1.7	0.0
12.5°	1.7	0.0
11.25°	1.7	0.0
10°	1.7	0.0
8.75°	1.7	0.0
7.5°	1.7	0.0
6.25°	1.7	0.0
5°	1.7	0.0
3.75°	1.7	0.0
2.5°	1.7	0.0
1.25°	1.7	0.0
0°	1.7	0.0
-1.25°	1.7	0.0
-2.5°	1.7	0.0
-3.75°	1.7	0.0
-5°	1.7	0.0
-6.25°	1.7	0.0
-7.5°	1.7	0.0
-8.75°	1.7	0.0
-10°	1.7	0.0
-11.25°	1.7	0.0
-12.5°	1.7	0.0
-13.75°	1.7	0.0
-15°	1.7	0.0
-16.25°	1.7	0.0
-17.5°	1.7	0.0
-18.75°	1.7	0.0
-20°	1.6	0.0
-21.25°	1.6	0.0



REPORT NUMBER: P220498 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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