

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: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

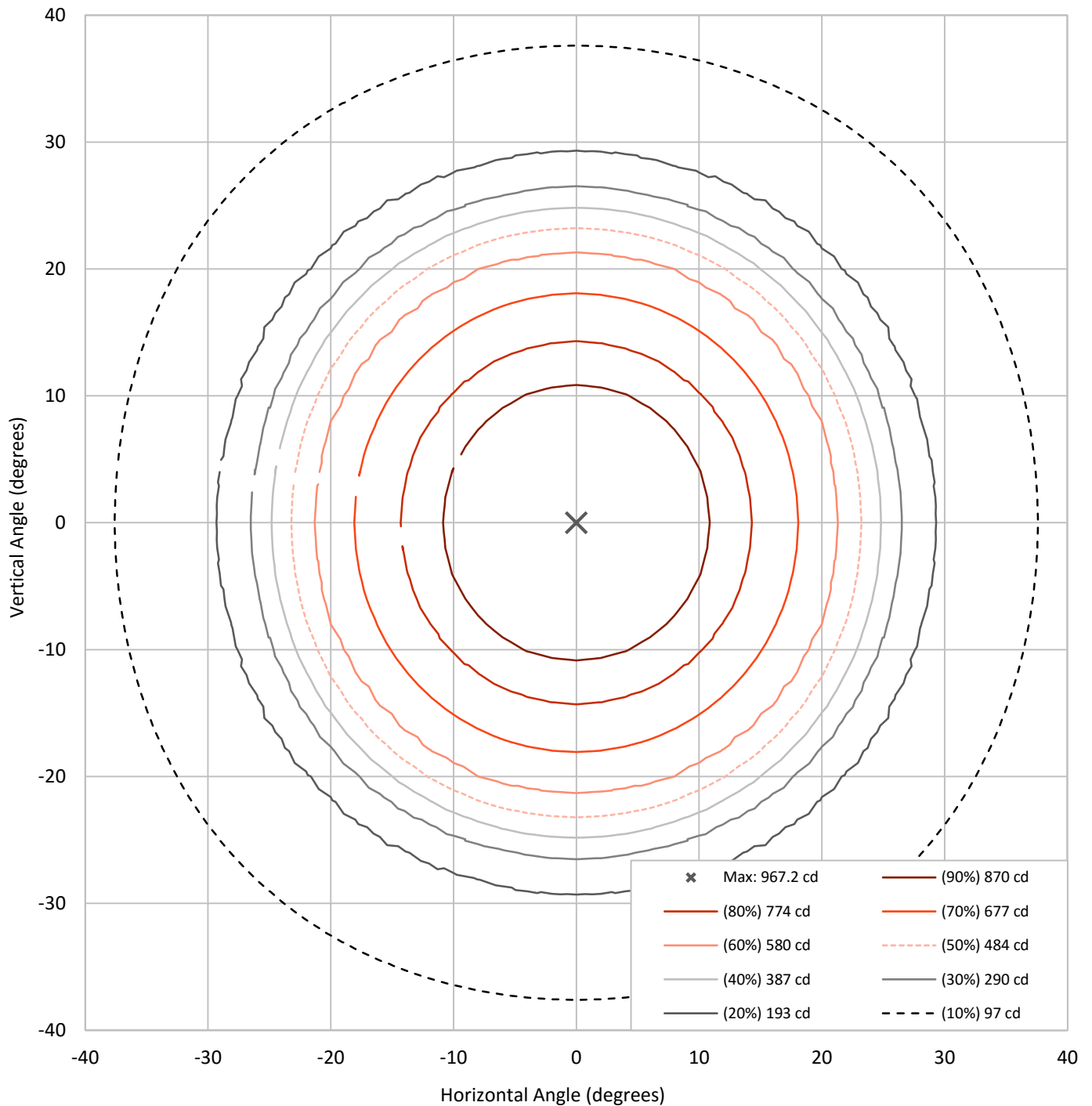
Test Method: LM-79-08
Report Number: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-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:	651.1 lumens	Max Intensity:	967.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	66.4 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:	374 lumens	Field Lumens:	532.8 lumens
Beam Efficiency:	57.4%	Field Efficiency:	81.8%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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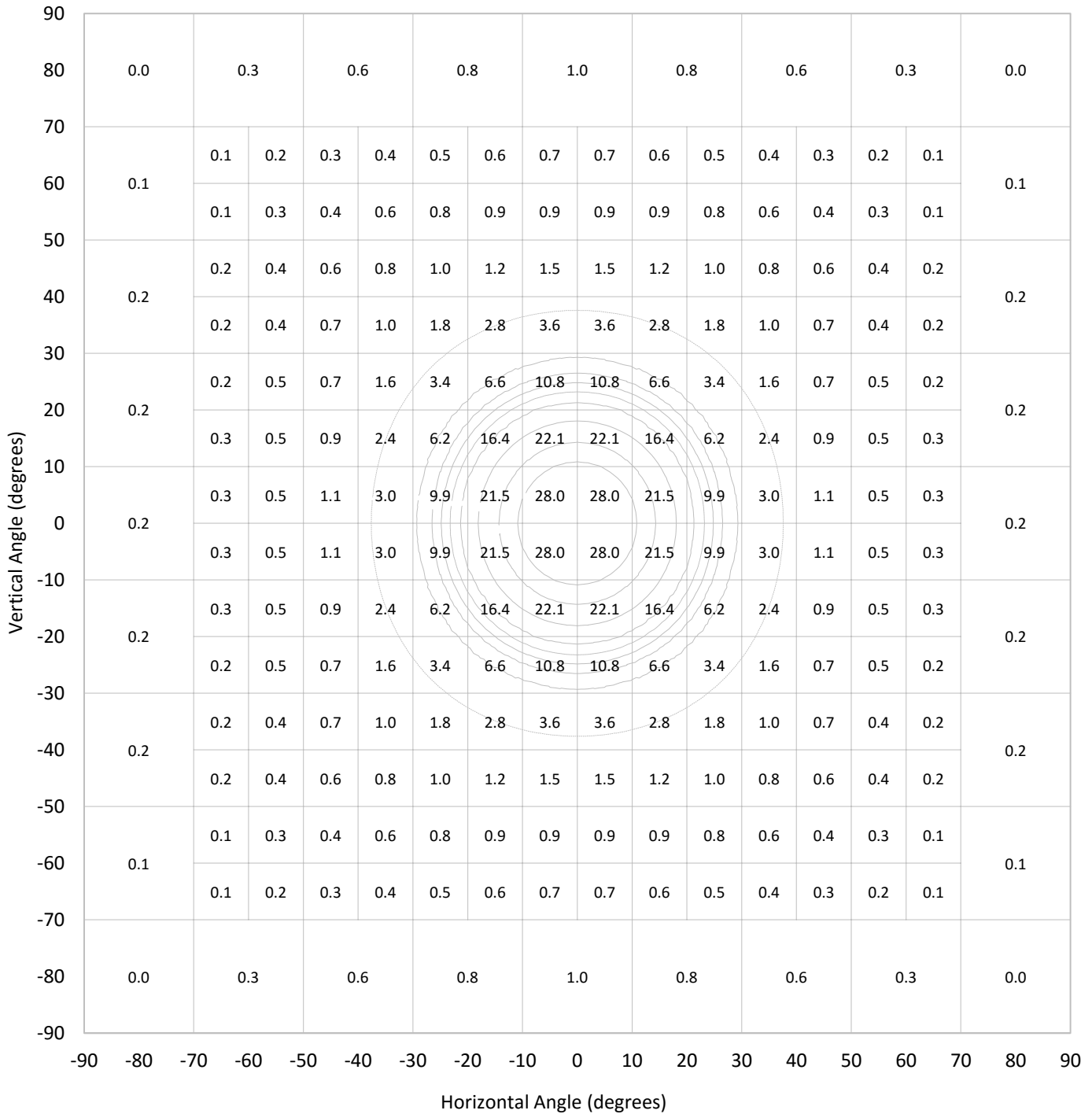
Iso-Candela Plot





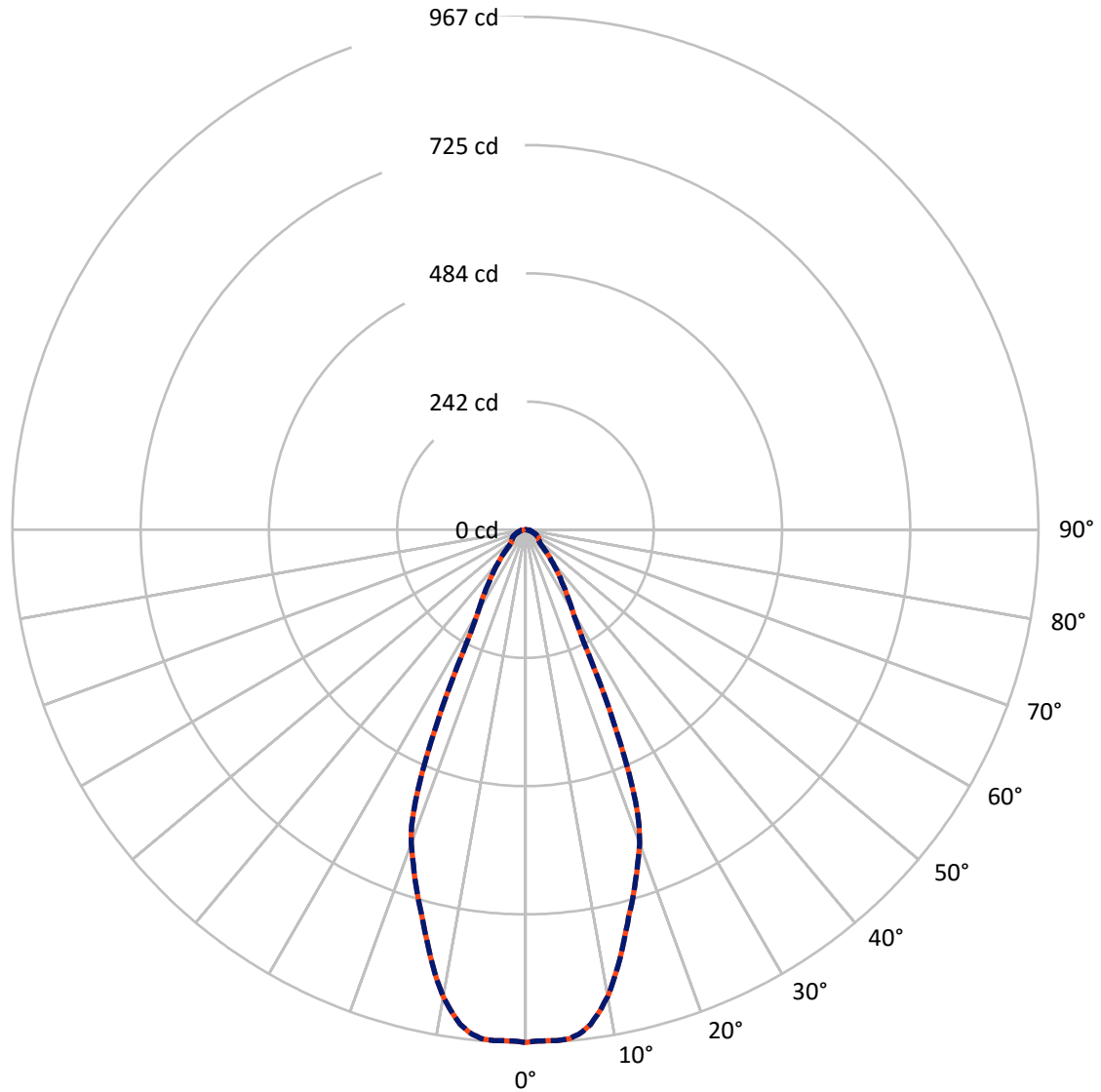
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Lumen Table



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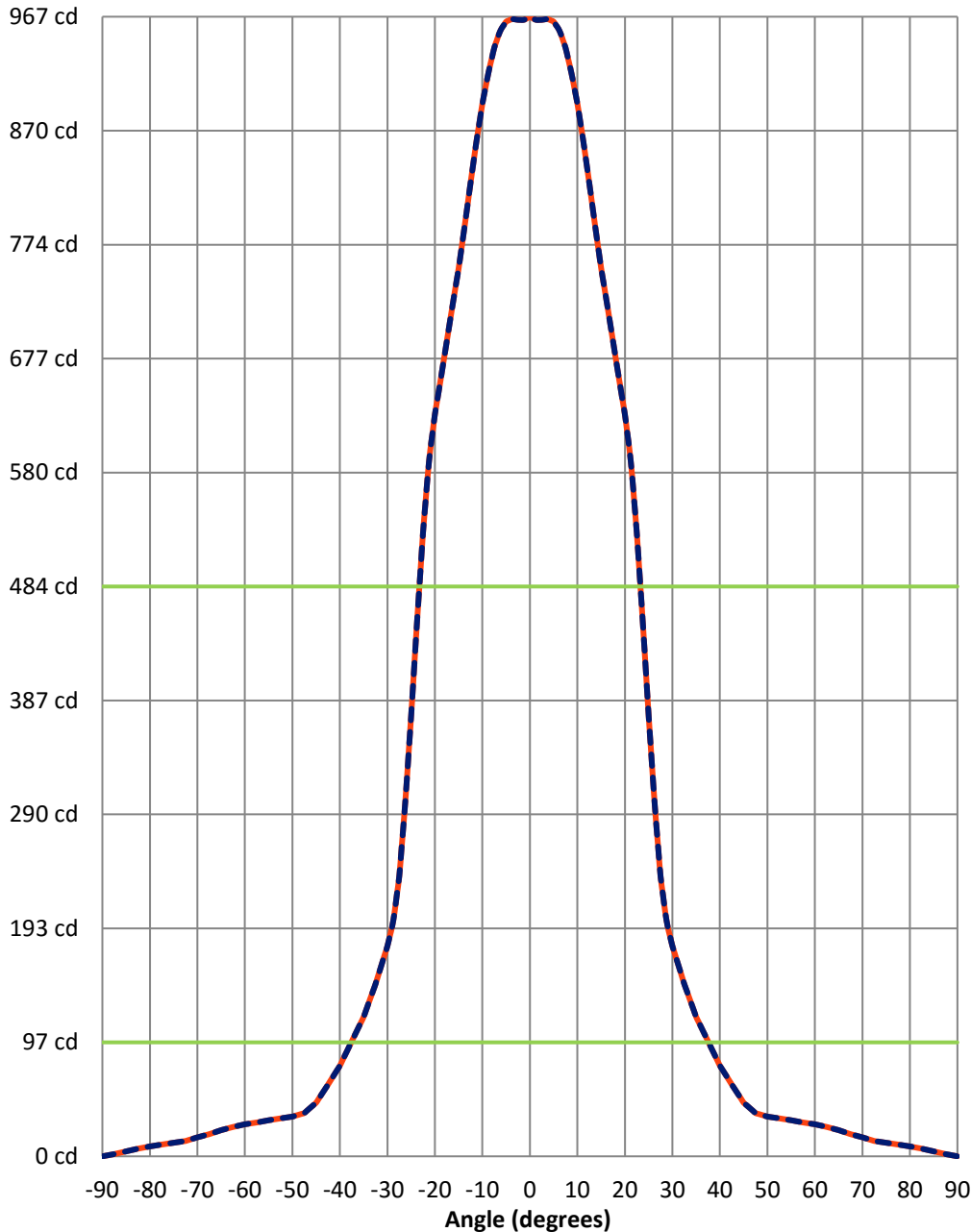
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 46.5°
 V Angle: 46.5°
 Lumens: 374
 Efficiency: 57.4%

Field:
 H Angle: 75.2°
 V Angle: 75.2°
 Lumens: 532.8
 Efficiency: 81.8%

Spill:
 Lumens: 118.2
 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	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4
86.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.6
85°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.8
83.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
82.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
81.25°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
80°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.6
78.75°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.8
77.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.1
76.25°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.3
75°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.6
73.75°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.5	2.8
72.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.4	2.7	3.0
71.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.2	2.5	2.9	3.3
70°	0.0	0.3	0.6	1.0	1.3	1.6	2.0	2.3	2.7	3.1	3.5
68.75°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.5	2.9	3.3	3.7
67.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.7	3.1	3.5	4.0
66.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.4	2.8	3.3	3.7	4.2
65°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.5	4.0	4.4
63.75°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.1	3.7	4.2	4.7
62.5°	0.0	0.4	0.9	1.3	1.8	2.3	2.8	3.3	3.8	4.4	4.9
61.25°	0.0	0.5	0.9	1.4	1.8	2.4	2.9	3.5	4.0	4.6	5.1
60°	0.0	0.5	0.9	1.4	1.9	2.5	3.0	3.6	4.2	4.8	5.3
58.75°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.8	4.4	4.9	5.5
57.5°	0.0	0.5	1.0	1.5	2.1	2.7	3.3	3.9	4.5	5.1	5.7
56.25°	0.0	0.5	1.1	1.6	2.2	2.8	3.4	4.1	4.7	5.3	6.0
55°	0.0	0.5	1.1	1.6	2.2	2.9	3.6	4.2	4.9	5.5	6.2
53.75°	0.0	0.6	1.1	1.7	2.3	3.0	3.7	4.3	5.0	5.7	6.4
52.5°	0.0	0.6	1.2	1.7	2.4	3.1	3.8	4.5	5.2	5.9	6.6
51.25°	0.0	0.6	1.2	1.8	2.5	3.2	3.9	4.6	5.3	6.1	6.7
50°	0.0	0.6	1.2	1.8	2.6	3.3	4.0	4.8	5.5	6.2	6.9
48.75°	0.0	0.6	1.3	1.9	2.6	3.4	4.1	4.9	5.6	6.4	7.0
47.5°	0.0	0.6	1.3	1.9	2.7	3.5	4.3	5.0	5.8	6.6	7.2
46.25°	0.0	0.7	1.3	2.0	2.8	3.6	4.4	5.2	5.9	6.7	7.3
45°	0.0	0.7	1.3	2.0	2.9	3.7	4.5	5.3	6.1	6.8	7.5
43.75°	0.0	0.7	1.4	2.1	2.9	3.7	4.6	5.4	6.2	7.0	7.6
42.5°	0.0	0.7	1.4	2.1	3.0	3.8	4.7	5.5	6.4	7.1	7.8
41.25°	0.0	0.7	1.4	2.2	3.1	3.9	4.8	5.6	6.5	7.2	7.9
40°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.8	6.6	7.3	8.1
38.75°	0.0	0.7	1.5	2.3	3.2	4.1	5.0	5.9	6.7	7.5	8.2
37.5°	0.0	0.8	1.5	2.3	3.2	4.2	5.1	6.0	6.8	7.6	8.3
36.25°	0.0	0.8	1.5	2.4	3.3	4.2	5.2	6.1	6.9	7.7	8.4
35°	0.0	0.8	1.6	2.4	3.4	4.3	5.2	6.2	7.0	7.8	8.5



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.8	1.6	2.5	3.4	4.4	5.3	6.3	7.1	7.9	8.6
32.5°	0.0	0.8	1.6	2.5	3.5	4.4	5.4	6.4	7.2	8.0	8.7
31.25°	0.0	0.8	1.6	2.5	3.5	4.5	5.5	6.5	7.3	8.1	8.8
30°	0.0	0.8	1.6	2.6	3.6	4.6	5.6	6.6	7.4	8.2	8.9
28.75°	0.0	0.8	1.7	2.6	3.6	4.6	5.6	6.6	7.5	8.3	9.0
27.5°	0.0	0.8	1.7	2.7	3.7	4.7	5.7	6.7	7.5	8.4	9.1
26.25°	0.0	0.9	1.7	2.7	3.7	4.8	5.8	6.8	7.6	8.4	9.2
25°	0.0	0.9	1.7	2.7	3.8	4.8	5.9	6.8	7.7	8.5	9.2
23.75°	0.0	0.9	1.7	2.8	3.8	4.9	5.9	6.9	7.8	8.6	9.3
22.5°	0.0	0.9	1.8	2.8	3.8	4.9	6.0	6.9	7.8	8.6	9.4
21.25°	0.0	0.9	1.8	2.8	3.9	5.0	6.0	7.0	7.9	8.7	9.4
20°	0.0	0.9	1.8	2.8	3.9	5.0	6.1	7.0	7.9	8.8	9.5
18.75°	0.0	0.9	1.8	2.9	4.0	5.0	6.1	7.1	8.0	8.8	9.6
17.5°	0.0	0.9	1.8	2.9	4.0	5.1	6.2	7.1	8.0	8.9	9.6
16.25°	0.0	0.9	1.8	2.9	4.0	5.1	6.2	7.2	8.1	8.9	9.7
15°	0.0	0.9	1.8	2.9	4.0	5.2	6.3	7.2	8.1	9.0	9.7
13.75°	0.0	0.9	1.8	3.0	4.1	5.2	6.3	7.3	8.2	9.0	9.8
12.5°	0.0	0.9	1.9	3.0	4.1	5.2	6.3	7.3	8.2	9.0	9.8
11.25°	0.0	0.9	1.9	3.0	4.1	5.2	6.4	7.3	8.3	9.1	9.8
10°	0.0	0.9	1.9	3.0	4.1	5.3	6.4	7.3	8.3	9.1	9.9
8.75°	0.0	0.9	1.9	3.0	4.1	5.3	6.4	7.4	8.3	9.1	9.9
7.5°	0.0	0.9	1.9	3.0	4.2	5.3	6.4	7.4	8.3	9.1	9.9
6.25°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
5°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
3.75°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
2.5°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
1.25°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
0°	0.0	0.9	1.9	3.1	4.2	5.4	6.5	7.5	8.4	9.2	10.0
-1.25°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
-2.5°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
-3.75°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
-5°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
-6.25°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.4	8.4	9.2	10.0
-7.5°	0.0	0.9	1.9	3.0	4.2	5.3	6.4	7.4	8.3	9.1	9.9
-8.75°	0.0	0.9	1.9	3.0	4.1	5.3	6.4	7.4	8.3	9.1	9.9
-10°	0.0	0.9	1.9	3.0	4.1	5.3	6.4	7.3	8.3	9.1	9.9
-11.25°	0.0	0.9	1.9	3.0	4.1	5.2	6.4	7.3	8.3	9.1	9.8
-12.5°	0.0	0.9	1.9	3.0	4.1	5.2	6.3	7.3	8.2	9.0	9.8
-13.75°	0.0	0.9	1.8	3.0	4.1	5.2	6.3	7.3	8.2	9.0	9.8
-15°	0.0	0.9	1.8	2.9	4.0	5.2	6.3	7.2	8.1	9.0	9.7
-16.25°	0.0	0.9	1.8	2.9	4.0	5.1	6.2	7.2	8.1	8.9	9.7
-17.5°	0.0	0.9	1.8	2.9	4.0	5.1	6.2	7.1	8.0	8.9	9.6
-18.75°	0.0	0.9	1.8	2.9	4.0	5.0	6.1	7.1	8.0	8.8	9.6
-20°	0.0	0.9	1.8	2.8	3.9	5.0	6.1	7.0	7.9	8.8	9.5
-21.25°	0.0	0.9	1.8	2.8	3.9	5.0	6.0	7.0	7.9	8.7	9.4



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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	0.9	1.8	2.8	3.8	4.9	6.0	6.9	7.8	8.6	9.4
-23.75°	0.0	0.9	1.7	2.8	3.8	4.9	5.9	6.9	7.8	8.6	9.3
-25°	0.0	0.9	1.7	2.7	3.8	4.8	5.9	6.8	7.7	8.5	9.2
-26.25°	0.0	0.9	1.7	2.7	3.7	4.8	5.8	6.8	7.6	8.4	9.2
-27.5°	0.0	0.8	1.7	2.7	3.7	4.7	5.7	6.7	7.5	8.4	9.1
-28.75°	0.0	0.8	1.7	2.6	3.6	4.6	5.6	6.6	7.5	8.3	9.0
-30°	0.0	0.8	1.6	2.6	3.6	4.6	5.6	6.6	7.4	8.2	8.9
-31.25°	0.0	0.8	1.6	2.5	3.5	4.5	5.5	6.5	7.3	8.1	8.8
-32.5°	0.0	0.8	1.6	2.5	3.5	4.4	5.4	6.4	7.2	8.0	8.7
-33.75°	0.0	0.8	1.6	2.5	3.4	4.4	5.3	6.3	7.1	7.9	8.6
-35°	0.0	0.8	1.6	2.4	3.4	4.3	5.2	6.2	7.0	7.8	8.5
-36.25°	0.0	0.8	1.5	2.4	3.3	4.2	5.2	6.1	6.9	7.7	8.4
-37.5°	0.0	0.8	1.5	2.3	3.2	4.2	5.1	6.0	6.8	7.6	8.3
-38.75°	0.0	0.7	1.5	2.3	3.2	4.1	5.0	5.9	6.7	7.5	8.2
-40°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.8	6.6	7.3	8.1
-41.25°	0.0	0.7	1.4	2.2	3.1	3.9	4.8	5.6	6.5	7.2	7.9
-42.5°	0.0	0.7	1.4	2.1	3.0	3.8	4.7	5.5	6.4	7.1	7.8
-43.75°	0.0	0.7	1.4	2.1	2.9	3.7	4.6	5.4	6.2	7.0	7.6
-45°	0.0	0.7	1.3	2.0	2.9	3.7	4.5	5.3	6.1	6.8	7.5
-46.25°	0.0	0.7	1.3	2.0	2.8	3.6	4.4	5.2	5.9	6.7	7.3
-47.5°	0.0	0.6	1.3	1.9	2.7	3.5	4.3	5.0	5.8	6.6	7.2
-48.75°	0.0	0.6	1.3	1.9	2.6	3.4	4.1	4.9	5.6	6.4	7.0
-50°	0.0	0.6	1.2	1.8	2.6	3.3	4.0	4.8	5.5	6.2	6.9
-51.25°	0.0	0.6	1.2	1.8	2.5	3.2	3.9	4.6	5.3	6.1	6.7
-52.5°	0.0	0.6	1.2	1.7	2.4	3.1	3.8	4.5	5.2	5.9	6.6
-53.75°	0.0	0.6	1.1	1.7	2.3	3.0	3.7	4.3	5.0	5.7	6.4
-55°	0.0	0.5	1.1	1.6	2.2	2.9	3.6	4.2	4.9	5.5	6.2
-56.25°	0.0	0.5	1.1	1.6	2.2	2.8	3.4	4.1	4.7	5.3	6.0
-57.5°	0.0	0.5	1.0	1.5	2.1	2.7	3.3	3.9	4.5	5.1	5.7
-58.75°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.8	4.4	4.9	5.5
-60°	0.0	0.5	0.9	1.4	1.9	2.5	3.0	3.6	4.2	4.8	5.3
-61.25°	0.0	0.5	0.9	1.4	1.8	2.4	2.9	3.5	4.0	4.6	5.1
-62.5°	0.0	0.4	0.9	1.3	1.8	2.3	2.8	3.3	3.8	4.4	4.9
-63.75°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.1	3.7	4.2	4.7
-65°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.5	4.0	4.4
-66.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.4	2.8	3.3	3.7	4.2
-67.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.7	3.1	3.5	4.0
-68.75°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.5	2.9	3.3	3.7
-70°	0.0	0.3	0.6	1.0	1.3	1.6	2.0	2.3	2.7	3.1	3.5
-71.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.2	2.5	2.9	3.3
-72.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.4	2.7	3.0
-73.75°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.5	2.8
-75°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.6
-76.25°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.3
-77.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.1



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.8
-80°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.6
-81.25°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
-82.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
-83.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-85°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.8
-86.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.6
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4
-88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8
86.25°	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3
85°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7
83.75°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
82.5°	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.6
81.25°	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1
80°	1.8	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.3	3.5	3.7
78.75°	2.0	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	4.0	4.2
77.5°	2.3	2.6	2.8	3.0	3.3	3.5	3.7	4.0	4.2	4.4	4.7
76.25°	2.6	2.8	3.1	3.4	3.6	3.9	4.1	4.4	4.7	4.9	5.2
75°	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.8	5.1	5.4	5.6
73.75°	3.1	3.4	3.7	4.0	4.3	4.7	5.0	5.3	5.6	5.8	6.1
72.5°	3.4	3.7	4.0	4.4	4.7	5.0	5.4	5.7	6.0	6.3	6.6
71.25°	3.6	4.0	4.3	4.7	5.1	5.4	5.8	6.1	6.4	6.7	7.0
70°	3.9	4.3	4.7	5.0	5.4	5.8	6.2	6.5	6.8	7.1	7.4
68.75°	4.1	4.6	5.0	5.4	5.8	6.2	6.5	6.9	7.2	7.5	7.8
67.5°	4.4	4.8	5.3	5.7	6.1	6.5	6.9	7.2	7.5	7.9	8.2
66.25°	4.7	5.1	5.6	6.0	6.4	6.8	7.2	7.5	7.9	8.2	8.6
65°	4.9	5.4	5.8	6.3	6.7	7.1	7.5	7.9	8.2	8.6	8.9
63.75°	5.2	5.6	6.1	6.6	7.0	7.4	7.8	8.2	8.6	8.9	9.2
62.5°	5.4	5.9	6.4	6.9	7.3	7.7	8.1	8.5	8.9	9.2	9.5
61.25°	5.6	6.2	6.7	7.1	7.6	8.0	8.4	8.8	9.1	9.5	9.9
60°	5.9	6.4	6.9	7.4	7.8	8.3	8.7	9.1	9.4	9.8	10.2
58.75°	6.1	6.7	7.1	7.6	8.1	8.5	8.9	9.3	9.7	10.1	10.5
57.5°	6.4	6.9	7.4	7.9	8.4	8.8	9.2	9.6	10.0	10.4	10.7
56.25°	6.6	7.1	7.6	8.1	8.6	9.0	9.4	9.9	10.3	10.6	11.0
55°	6.8	7.3	7.8	8.3	8.8	9.2	9.7	10.1	10.5	10.9	11.3
53.75°	6.9	7.5	8.0	8.6	9.0	9.5	9.9	10.3	10.8	11.2	11.6
52.5°	7.1	7.7	8.3	8.8	9.2	9.7	10.1	10.6	11.0	11.4	11.9
51.25°	7.3	7.9	8.5	8.9	9.4	9.9	10.4	10.8	11.3	11.7	12.1
50°	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.0	11.5	12.0	12.4
48.75°	7.7	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.7	12.2	12.7
47.5°	7.8	8.4	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	12.9
46.25°	8.0	8.6	9.1	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.4
45°	8.2	8.7	9.3	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.9
43.75°	8.3	8.9	9.5	10.0	10.6	11.1	11.6	12.1	12.6	13.3	14.4
42.5°	8.5	9.0	9.6	10.2	10.7	11.3	11.8	12.3	12.9	13.8	14.9
41.25°	8.6	9.2	9.8	10.3	10.9	11.4	12.0	12.5	13.2	14.3	15.4
40°	8.7	9.3	9.9	10.5	11.1	11.6	12.2	12.7	13.6	14.7	15.9
38.75°	8.8	9.5	10.1	10.6	11.2	11.8	12.4	12.9	14.0	15.2	16.3
37.5°	9.0	9.6	10.2	10.8	11.4	11.9	12.5	13.2	14.4	15.6	16.7
36.25°	9.1	9.7	10.3	10.9	11.5	12.1	12.7	13.6	14.8	16.0	17.1
35°	9.2	9.8	10.5	11.1	11.7	12.3	12.9	14.0	15.2	16.4	17.4



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	9.3	10.0	10.6	11.2	11.8	12.4	13.0	14.3	15.6	16.7	17.8
32.5°	9.4	10.1	10.7	11.3	11.9	12.6	13.4	14.6	15.9	17.1	18.2
31.25°	9.5	10.2	10.8	11.4	12.1	12.7	13.7	15.0	16.3	17.4	18.5
30°	9.6	10.3	10.9	11.6	12.2	12.8	14.0	15.3	16.5	17.7	18.8
28.75°	9.7	10.4	11.0	11.7	12.3	13.0	14.3	15.6	16.8	18.0	19.2
27.5°	9.8	10.5	11.1	11.8	12.4	13.2	14.6	15.9	17.1	18.3	19.6
26.25°	9.9	10.6	11.2	11.9	12.6	13.5	14.8	16.2	17.4	18.6	20.0
25°	10.0	10.6	11.3	12.0	12.7	13.7	15.1	16.4	17.6	18.8	20.3
23.75°	10.0	10.7	11.4	12.1	12.8	13.9	15.3	16.6	17.9	19.1	20.7
22.5°	10.1	10.8	11.5	12.2	12.9	14.1	15.6	16.9	18.1	19.5	21.0
21.25°	10.2	10.9	11.6	12.3	13.0	14.3	15.8	17.1	18.3	19.7	21.3
20°	10.2	10.9	11.6	12.3	13.1	14.5	16.0	17.3	18.5	20.0	21.6
18.75°	10.3	11.0	11.7	12.4	13.3	14.7	16.2	17.4	18.7	20.3	21.9
17.5°	10.4	11.1	11.8	12.5	13.4	14.9	16.3	17.6	18.9	20.5	22.1
16.25°	10.4	11.1	11.9	12.6	13.6	15.1	16.5	17.8	19.1	20.8	22.3
15°	10.5	11.2	11.9	12.6	13.7	15.2	16.6	17.9	19.3	21.0	22.5
13.75°	10.5	11.2	12.0	12.7	13.9	15.4	16.8	18.1	19.5	21.2	22.7
12.5°	10.6	11.3	12.0	12.7	14.0	15.5	16.9	18.2	19.7	21.3	22.8
11.25°	10.6	11.3	12.1	12.8	14.1	15.6	17.0	18.3	19.8	21.5	23.0
10°	10.6	11.4	12.1	12.8	14.2	15.7	17.1	18.4	20.0	21.6	23.1
8.75°	10.7	11.4	12.1	12.9	14.3	15.8	17.2	18.5	20.1	21.8	23.2
7.5°	10.7	11.4	12.2	12.9	14.3	15.9	17.2	18.6	20.2	21.9	23.3
6.25°	10.7	11.4	12.2	12.9	14.4	15.9	17.3	18.6	20.3	22.0	23.4
5°	10.7	11.5	12.2	13.0	14.5	16.0	17.4	18.7	20.4	22.1	23.4
3.75°	10.7	11.5	12.2	13.0	14.5	16.0	17.4	18.7	20.4	22.1	23.5
2.5°	10.7	11.5	12.2	13.0	14.5	16.1	17.4	18.8	20.5	22.2	23.5
1.25°	10.7	11.5	12.2	13.0	14.5	16.1	17.4	18.8	20.5	22.2	23.5
0°	10.8	11.5	12.3	13.0	14.6	16.1	17.5	18.8	20.5	22.2	23.6
-1.25°	10.7	11.5	12.2	13.0	14.5	16.1	17.4	18.8	20.5	22.2	23.5
-2.5°	10.7	11.5	12.2	13.0	14.5	16.1	17.4	18.8	20.5	22.2	23.5
-3.75°	10.7	11.5	12.2	13.0	14.5	16.0	17.4	18.7	20.4	22.1	23.5
-5°	10.7	11.5	12.2	13.0	14.5	16.0	17.4	18.7	20.4	22.1	23.4
-6.25°	10.7	11.4	12.2	12.9	14.4	15.9	17.3	18.6	20.3	22.0	23.4
-7.5°	10.7	11.4	12.2	12.9	14.3	15.9	17.2	18.6	20.2	21.9	23.3
-8.75°	10.7	11.4	12.1	12.9	14.3	15.8	17.2	18.5	20.1	21.8	23.2
-10°	10.6	11.4	12.1	12.8	14.2	15.7	17.1	18.4	20.0	21.6	23.1
-11.25°	10.6	11.3	12.1	12.8	14.1	15.6	17.0	18.3	19.8	21.5	23.0
-12.5°	10.6	11.3	12.0	12.7	14.0	15.5	16.9	18.2	19.7	21.3	22.8
-13.75°	10.5	11.2	12.0	12.7	13.9	15.4	16.8	18.1	19.5	21.2	22.7
-15°	10.5	11.2	11.9	12.6	13.7	15.2	16.6	17.9	19.3	21.0	22.5
-16.25°	10.4	11.1	11.9	12.6	13.6	15.1	16.5	17.8	19.1	20.8	22.3
-17.5°	10.4	11.1	11.8	12.5	13.4	14.9	16.3	17.6	18.9	20.5	22.1
-18.75°	10.3	11.0	11.7	12.4	13.3	14.7	16.2	17.4	18.7	20.3	21.9
-20°	10.2	10.9	11.6	12.3	13.1	14.5	16.0	17.3	18.5	20.0	21.6
-21.25°	10.2	10.9	11.6	12.3	13.0	14.3	15.8	17.1	18.3	19.7	21.3



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	10.1	10.8	11.5	12.2	12.9	14.1	15.6	16.9	18.1	19.5	21.0
-23.75°	10.0	10.7	11.4	12.1	12.8	13.9	15.3	16.6	17.9	19.1	20.7
-25°	10.0	10.6	11.3	12.0	12.7	13.7	15.1	16.4	17.6	18.8	20.3
-26.25°	9.9	10.6	11.2	11.9	12.6	13.5	14.8	16.2	17.4	18.6	20.0
-27.5°	9.8	10.5	11.1	11.8	12.4	13.2	14.6	15.9	17.1	18.3	19.6
-28.75°	9.7	10.4	11.0	11.7	12.3	13.0	14.3	15.6	16.8	18.0	19.2
-30°	9.6	10.3	10.9	11.6	12.2	12.8	14.0	15.3	16.5	17.7	18.8
-31.25°	9.5	10.2	10.8	11.4	12.1	12.7	13.7	15.0	16.3	17.4	18.5
-32.5°	9.4	10.1	10.7	11.3	11.9	12.6	13.4	14.6	15.9	17.1	18.2
-33.75°	9.3	10.0	10.6	11.2	11.8	12.4	13.0	14.3	15.6	16.7	17.8
-35°	9.2	9.8	10.5	11.1	11.7	12.3	12.9	14.0	15.2	16.4	17.4
-36.25°	9.1	9.7	10.3	10.9	11.5	12.1	12.7	13.6	14.8	16.0	17.1
-37.5°	9.0	9.6	10.2	10.8	11.4	11.9	12.5	13.2	14.4	15.6	16.7
-38.75°	8.8	9.5	10.1	10.6	11.2	11.8	12.4	12.9	14.0	15.2	16.3
-40°	8.7	9.3	9.9	10.5	11.1	11.6	12.2	12.7	13.6	14.7	15.9
-41.25°	8.6	9.2	9.8	10.3	10.9	11.4	12.0	12.5	13.2	14.3	15.4
-42.5°	8.5	9.0	9.6	10.2	10.7	11.3	11.8	12.3	12.9	13.8	14.9
-43.75°	8.3	8.9	9.5	10.0	10.6	11.1	11.6	12.1	12.6	13.3	14.4
-45°	8.2	8.7	9.3	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.9
-46.25°	8.0	8.6	9.1	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.4
-47.5°	7.8	8.4	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	12.9
-48.75°	7.7	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.7	12.2	12.7
-50°	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.0	11.5	12.0	12.4
-51.25°	7.3	7.9	8.5	8.9	9.4	9.9	10.4	10.8	11.3	11.7	12.1
-52.5°	7.1	7.7	8.3	8.8	9.2	9.7	10.1	10.6	11.0	11.4	11.9
-53.75°	6.9	7.5	8.0	8.6	9.0	9.5	9.9	10.3	10.8	11.2	11.6
-55°	6.8	7.3	7.8	8.3	8.8	9.2	9.7	10.1	10.5	10.9	11.3
-56.25°	6.6	7.1	7.6	8.1	8.6	9.0	9.4	9.9	10.3	10.6	11.0
-57.5°	6.4	6.9	7.4	7.9	8.4	8.8	9.2	9.6	10.0	10.4	10.7
-58.75°	6.1	6.7	7.1	7.6	8.1	8.5	8.9	9.3	9.7	10.1	10.5
-60°	5.9	6.4	6.9	7.4	7.8	8.3	8.7	9.1	9.4	9.8	10.2
-61.25°	5.6	6.2	6.7	7.1	7.6	8.0	8.4	8.8	9.1	9.5	9.9
-62.5°	5.4	5.9	6.4	6.9	7.3	7.7	8.1	8.5	8.9	9.2	9.5
-63.75°	5.2	5.6	6.1	6.6	7.0	7.4	7.8	8.2	8.6	8.9	9.2
-65°	4.9	5.4	5.8	6.3	6.7	7.1	7.5	7.9	8.2	8.6	8.9
-66.25°	4.7	5.1	5.6	6.0	6.4	6.8	7.2	7.5	7.9	8.2	8.6
-67.5°	4.4	4.8	5.3	5.7	6.1	6.5	6.9	7.2	7.5	7.9	8.2
-68.75°	4.1	4.6	5.0	5.4	5.8	6.2	6.5	6.9	7.2	7.5	7.8
-70°	3.9	4.3	4.7	5.0	5.4	5.8	6.2	6.5	6.8	7.1	7.4
-71.25°	3.6	4.0	4.3	4.7	5.1	5.4	5.8	6.1	6.4	6.7	7.0
-72.5°	3.4	3.7	4.0	4.4	4.7	5.0	5.4	5.7	6.0	6.3	6.6
-73.75°	3.1	3.4	3.7	4.0	4.3	4.7	5.0	5.3	5.6	5.8	6.1
-75°	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.8	5.1	5.4	5.6
-76.25°	2.6	2.8	3.1	3.4	3.6	3.9	4.1	4.4	4.7	4.9	5.2
-77.5°	2.3	2.6	2.8	3.0	3.3	3.5	3.7	4.0	4.2	4.4	4.7



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	2.0	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	4.0	4.2
-80°	1.8	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.3	3.5	3.7
-81.25°	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1
-82.5°	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.6
-83.75°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-85°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7
-86.25°	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3
-87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8
-88.75°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
87.5°	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2
86.25°	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8
85°	1.8	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.6
83.75°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3
82.5°	2.8	2.9	3.0	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0
81.25°	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8
80°	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5
78.75°	4.4	4.6	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.2
77.5°	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.6	6.7	6.9
76.25°	5.4	5.6	5.9	6.1	6.4	6.6	6.8	6.9	7.1	7.3	7.5
75°	5.9	6.2	6.4	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1
73.75°	6.4	6.7	6.9	7.1	7.4	7.6	7.8	8.0	8.3	8.5	8.6
72.5°	6.9	7.1	7.4	7.6	7.9	8.1	8.3	8.6	8.8	8.9	9.1
71.25°	7.3	7.6	7.8	8.1	8.4	8.6	8.8	9.0	9.2	9.4	9.6
70°	7.7	8.0	8.3	8.5	8.8	9.0	9.2	9.5	9.7	9.9	10.1
68.75°	8.1	8.4	8.7	8.9	9.2	9.4	9.7	9.9	10.1	10.4	10.6
67.5°	8.5	8.8	9.1	9.3	9.6	9.9	10.1	10.3	10.6	10.8	11.0
66.25°	8.9	9.1	9.4	9.7	10.0	10.3	10.5	10.8	11.0	11.3	11.5
65°	9.2	9.5	9.8	10.1	10.4	10.6	10.9	11.2	11.4	11.7	12.0
63.75°	9.5	9.9	10.2	10.5	10.7	11.0	11.3	11.6	11.9	12.1	12.4
62.5°	9.9	10.2	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9
61.25°	10.2	10.5	10.8	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.6
60°	10.5	10.8	11.2	11.5	11.9	12.2	12.5	12.8	13.3	13.9	14.5
58.75°	10.8	11.2	11.5	11.9	12.2	12.6	12.9	13.5	14.1	14.8	15.5
57.5°	11.1	11.5	11.9	12.2	12.6	12.9	13.6	14.3	15.0	15.7	16.3
56.25°	11.4	11.8	12.2	12.6	12.9	13.6	14.3	15.1	15.8	16.5	17.1
55°	11.7	12.1	12.5	12.9	13.6	14.3	15.1	15.9	16.6	17.2	17.9
53.75°	12.0	12.4	12.8	13.5	14.3	15.1	15.9	16.6	17.3	18.0	18.6
52.5°	12.3	12.7	13.3	14.1	15.0	15.8	16.6	17.3	18.0	18.7	19.5
51.25°	12.6	13.0	13.9	14.8	15.7	16.5	17.2	18.0	18.7	19.6	20.5
50°	12.9	13.6	14.5	15.5	16.3	17.1	17.9	18.6	19.5	20.5	21.4
48.75°	13.3	14.2	15.2	16.1	16.9	17.7	18.5	19.4	20.4	21.3	22.3
47.5°	13.8	14.8	15.8	16.7	17.5	18.3	19.2	20.2	21.2	22.2	23.0
46.25°	14.4	15.4	16.3	17.2	18.1	18.9	20.0	21.0	22.1	22.9	23.7
45°	14.9	16.0	16.9	17.7	18.6	19.7	20.7	21.8	22.7	23.6	24.4
43.75°	15.5	16.5	17.4	18.3	19.3	20.4	21.5	22.5	23.4	24.2	25.1
42.5°	16.0	16.9	17.9	18.8	19.9	21.1	22.2	23.1	24.0	24.9	25.6
41.25°	16.4	17.4	18.3	19.4	20.6	21.8	22.8	23.7	24.6	25.4	26.2
40°	16.9	17.9	18.8	20.0	21.3	22.4	23.3	24.3	25.2	26.0	26.7
38.75°	17.3	18.3	19.4	20.7	21.9	22.9	23.9	24.9	25.7	26.5	27.3
37.5°	17.7	18.7	20.0	21.3	22.4	23.4	24.4	25.3	26.2	27.0	27.6
36.25°	18.1	19.2	20.5	21.8	22.9	23.9	24.9	25.8	26.6	27.4	27.9
35°	18.5	19.8	21.1	22.4	23.4	24.4	25.4	26.3	27.1	27.7	28.3



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	18.9	20.3	21.6	22.8	23.9	24.9	25.8	26.7	27.4	28.0	28.6
32.5°	19.4	20.7	22.1	23.2	24.3	25.3	26.2	27.1	27.7	28.3	28.9
31.25°	19.8	21.2	22.5	23.6	24.7	25.7	26.6	27.4	28.0	28.6	29.3
30°	20.3	21.7	22.9	24.0	25.1	26.1	27.0	27.7	28.3	28.9	29.7
28.75°	20.7	22.1	23.3	24.4	25.5	26.4	27.3	27.9	28.6	29.3	30.1
27.5°	21.1	22.5	23.6	24.8	25.8	26.8	27.5	28.2	28.8	29.6	30.4
26.25°	21.5	22.8	24.0	25.1	26.1	27.1	27.8	28.4	29.1	30.0	30.7
25°	21.8	23.1	24.3	25.4	26.4	27.3	28.0	28.6	29.4	30.3	31.0
23.75°	22.2	23.4	24.6	25.7	26.7	27.5	28.2	28.9	29.7	30.6	31.3
22.5°	22.5	23.7	24.9	25.9	27.0	27.7	28.4	29.2	30.0	30.8	31.5
21.25°	22.7	24.0	25.2	26.2	27.2	27.9	28.6	29.4	30.3	31.0	31.8
20°	23.0	24.2	25.4	26.4	27.4	28.1	28.8	29.7	30.5	31.3	32.0
18.75°	23.2	24.5	25.6	26.7	27.5	28.2	29.0	29.9	30.7	31.5	32.2
17.5°	23.4	24.7	25.8	26.9	27.7	28.4	29.2	30.1	30.9	31.7	32.4
16.25°	23.6	24.9	26.0	27.1	27.8	28.5	29.4	30.3	31.1	31.8	32.6
15°	23.8	25.1	26.2	27.2	28.0	28.7	29.6	30.5	31.3	32.0	32.7
13.75°	24.0	25.2	26.3	27.4	28.1	28.8	29.7	30.6	31.4	32.2	32.9
12.5°	24.1	25.4	26.5	27.5	28.2	29.0	29.9	30.8	31.5	32.3	33.0
11.25°	24.3	25.5	26.6	27.6	28.3	29.1	30.0	30.9	31.7	32.4	33.1
10°	24.4	25.6	26.7	27.6	28.4	29.2	30.1	31.0	31.8	32.5	33.3
8.75°	24.5	25.7	26.8	27.7	28.4	29.3	30.2	31.1	31.9	32.6	33.4
7.5°	24.6	25.8	26.9	27.8	28.5	29.4	30.3	31.2	32.0	32.7	33.5
6.25°	24.7	25.9	27.0	27.8	28.6	29.5	30.4	31.2	32.0	32.8	33.5
5°	24.8	25.9	27.1	27.9	28.6	29.5	30.5	31.3	32.1	32.8	33.6
3.75°	24.8	26.0	27.1	27.9	28.7	29.6	30.5	31.3	32.1	32.9	33.6
2.5°	24.9	26.0	27.2	27.9	28.7	29.6	30.6	31.4	32.2	32.9	33.7
1.25°	24.9	26.0	27.2	27.9	28.7	29.6	30.6	31.4	32.2	32.9	33.7
0°	24.9	26.1	27.2	28.0	28.7	29.7	30.6	31.4	32.2	33.0	33.7
-1.25°	24.9	26.0	27.2	27.9	28.7	29.6	30.6	31.4	32.2	32.9	33.7
-2.5°	24.9	26.0	27.2	27.9	28.7	29.6	30.6	31.4	32.2	32.9	33.7
-3.75°	24.8	26.0	27.1	27.9	28.7	29.6	30.5	31.3	32.1	32.9	33.6
-5°	24.8	25.9	27.1	27.9	28.6	29.5	30.5	31.3	32.1	32.8	33.6
-6.25°	24.7	25.9	27.0	27.8	28.6	29.5	30.4	31.2	32.0	32.8	33.5
-7.5°	24.6	25.8	26.9	27.8	28.5	29.4	30.3	31.2	32.0	32.7	33.5
-8.75°	24.5	25.7	26.8	27.7	28.4	29.3	30.2	31.1	31.9	32.6	33.4
-10°	24.4	25.6	26.7	27.6	28.4	29.2	30.1	31.0	31.8	32.5	33.3
-11.25°	24.3	25.5	26.6	27.6	28.3	29.1	30.0	30.9	31.7	32.4	33.1
-12.5°	24.1	25.4	26.5	27.5	28.2	29.0	29.9	30.8	31.5	32.3	33.0
-13.75°	24.0	25.2	26.3	27.4	28.1	28.8	29.7	30.6	31.4	32.2	32.9
-15°	23.8	25.1	26.2	27.2	28.0	28.7	29.6	30.5	31.3	32.0	32.7
-16.25°	23.6	24.9	26.0	27.1	27.8	28.5	29.4	30.3	31.1	31.8	32.6
-17.5°	23.4	24.7	25.8	26.9	27.7	28.4	29.2	30.1	30.9	31.7	32.4
-18.75°	23.2	24.5	25.6	26.7	27.5	28.2	29.0	29.9	30.7	31.5	32.2
-20°	23.0	24.2	25.4	26.4	27.4	28.1	28.8	29.7	30.5	31.3	32.0
-21.25°	22.7	24.0	25.2	26.2	27.2	27.9	28.6	29.4	30.3	31.0	31.8



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	22.5	23.7	24.9	25.9	27.0	27.7	28.4	29.2	30.0	30.8	31.5
-23.75°	22.2	23.4	24.6	25.7	26.7	27.5	28.2	28.9	29.7	30.6	31.3
-25°	21.8	23.1	24.3	25.4	26.4	27.3	28.0	28.6	29.4	30.3	31.0
-26.25°	21.5	22.8	24.0	25.1	26.1	27.1	27.8	28.4	29.1	30.0	30.7
-27.5°	21.1	22.5	23.6	24.8	25.8	26.8	27.5	28.2	28.8	29.6	30.4
-28.75°	20.7	22.1	23.3	24.4	25.5	26.4	27.3	27.9	28.6	29.3	30.1
-30°	20.3	21.7	22.9	24.0	25.1	26.1	27.0	27.7	28.3	28.9	29.7
-31.25°	19.8	21.2	22.5	23.6	24.7	25.7	26.6	27.4	28.0	28.6	29.3
-32.5°	19.4	20.7	22.1	23.2	24.3	25.3	26.2	27.1	27.7	28.3	28.9
-33.75°	18.9	20.3	21.6	22.8	23.9	24.9	25.8	26.7	27.4	28.0	28.6
-35°	18.5	19.8	21.1	22.4	23.4	24.4	25.4	26.3	27.1	27.7	28.3
-36.25°	18.1	19.2	20.5	21.8	22.9	23.9	24.9	25.8	26.6	27.4	27.9
-37.5°	17.7	18.7	20.0	21.3	22.4	23.4	24.4	25.3	26.2	27.0	27.6
-38.75°	17.3	18.3	19.4	20.7	21.9	22.9	23.9	24.9	25.7	26.5	27.3
-40°	16.9	17.9	18.8	20.0	21.3	22.4	23.3	24.3	25.2	26.0	26.7
-41.25°	16.4	17.4	18.3	19.4	20.6	21.8	22.8	23.7	24.6	25.4	26.2
-42.5°	16.0	16.9	17.9	18.8	19.9	21.1	22.2	23.1	24.0	24.9	25.6
-43.75°	15.5	16.5	17.4	18.3	19.3	20.4	21.5	22.5	23.4	24.2	25.1
-45°	14.9	16.0	16.9	17.7	18.6	19.7	20.7	21.8	22.7	23.6	24.4
-46.25°	14.4	15.4	16.3	17.2	18.1	18.9	20.0	21.0	22.1	22.9	23.7
-47.5°	13.8	14.8	15.8	16.7	17.5	18.3	19.2	20.2	21.2	22.2	23.0
-48.75°	13.3	14.2	15.2	16.1	16.9	17.7	18.5	19.4	20.4	21.3	22.3
-50°	12.9	13.6	14.5	15.5	16.3	17.1	17.9	18.6	19.5	20.5	21.4
-51.25°	12.6	13.0	13.9	14.8	15.7	16.5	17.2	18.0	18.7	19.6	20.5
-52.5°	12.3	12.7	13.3	14.1	15.0	15.8	16.6	17.3	18.0	18.7	19.5
-53.75°	12.0	12.4	12.8	13.5	14.3	15.1	15.9	16.6	17.3	18.0	18.6
-55°	11.7	12.1	12.5	12.9	13.6	14.3	15.1	15.9	16.6	17.2	17.9
-56.25°	11.4	11.8	12.2	12.6	12.9	13.6	14.3	15.1	15.8	16.5	17.1
-57.5°	11.1	11.5	11.9	12.2	12.6	12.9	13.6	14.3	15.0	15.7	16.3
-58.75°	10.8	11.2	11.5	11.9	12.2	12.6	12.9	13.5	14.1	14.8	15.5
-60°	10.5	10.8	11.2	11.5	11.9	12.2	12.5	12.8	13.3	13.9	14.5
-61.25°	10.2	10.5	10.8	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.6
-62.5°	9.9	10.2	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9
-63.75°	9.5	9.9	10.2	10.5	10.7	11.0	11.3	11.6	11.9	12.1	12.4
-65°	9.2	9.5	9.8	10.1	10.4	10.6	10.9	11.2	11.4	11.7	12.0
-66.25°	8.9	9.1	9.4	9.7	10.0	10.3	10.5	10.8	11.0	11.3	11.5
-67.5°	8.5	8.8	9.1	9.3	9.6	9.9	10.1	10.3	10.6	10.8	11.0
-68.75°	8.1	8.4	8.7	8.9	9.2	9.4	9.7	9.9	10.1	10.4	10.6
-70°	7.7	8.0	8.3	8.5	8.8	9.0	9.2	9.5	9.7	9.9	10.1
-71.25°	7.3	7.6	7.8	8.1	8.4	8.6	8.8	9.0	9.2	9.4	9.6
-72.5°	6.9	7.1	7.4	7.6	7.9	8.1	8.3	8.6	8.8	8.9	9.1
-73.75°	6.4	6.7	6.9	7.1	7.4	7.6	7.8	8.0	8.3	8.5	8.6
-75°	5.9	6.2	6.4	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1
-76.25°	5.4	5.6	5.9	6.1	6.4	6.6	6.8	6.9	7.1	7.3	7.5
-77.5°	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.6	6.7	6.9



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	4.4	4.6	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.2
-80°	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5
-81.25°	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8
-82.5°	2.8	2.9	3.0	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0
-83.75°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3
-85°	1.8	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.6
-86.25°	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8
-87.5°	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2
-88.75°	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
87.5°	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5
86.25°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4
85°	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.3
83.75°	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.2	4.2
82.5°	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
81.25°	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.8	5.9	6.0	6.1
80°	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.7	6.8	6.9
78.75°	6.4	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.5	7.6	7.7
77.5°	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.3	8.4
76.25°	7.7	7.8	8.0	8.2	8.3	8.5	8.6	8.7	8.8	9.0	9.1
75°	8.3	8.4	8.6	8.7	8.9	9.0	9.2	9.3	9.5	9.6	9.7
73.75°	8.8	9.0	9.1	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.3
72.5°	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.8	10.9
71.25°	9.8	10.0	10.2	10.4	10.6	10.7	10.9	11.1	11.2	11.4	11.5
70°	10.3	10.5	10.7	10.9	11.1	11.3	11.4	11.6	11.8	11.9	12.1
68.75°	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.5	12.7
67.5°	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.9	13.2	13.6
66.25°	11.7	12.0	12.2	12.4	12.6	12.9	13.2	13.6	14.0	14.4	14.8
65°	12.2	12.5	12.7	12.9	13.3	13.8	14.3	14.7	15.2	15.6	16.0
63.75°	12.7	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.3	16.7	17.1
62.5°	13.3	13.8	14.4	14.9	15.5	16.0	16.4	16.9	17.3	17.7	18.1
61.25°	14.2	14.8	15.4	16.0	16.5	16.9	17.4	17.9	18.3	18.7	19.2
60°	15.2	15.8	16.3	16.9	17.4	17.9	18.3	18.8	19.4	20.0	20.5
58.75°	16.1	16.7	17.2	17.7	18.3	18.8	19.4	20.0	20.7	21.3	21.8
57.5°	16.9	17.5	18.1	18.6	19.3	19.9	20.6	21.3	21.9	22.4	22.9
56.25°	17.7	18.3	18.9	19.7	20.4	21.1	21.8	22.4	22.9	23.4	23.9
55°	18.5	19.2	20.0	20.7	21.5	22.2	22.8	23.3	23.9	24.4	24.9
53.75°	19.4	20.2	21.0	21.8	22.5	23.1	23.7	24.3	24.9	25.3	25.8
52.5°	20.4	21.2	22.1	22.7	23.4	24.0	24.6	25.2	25.7	26.2	26.6
51.25°	21.3	22.2	22.9	23.6	24.2	24.9	25.4	26.0	26.5	27.0	27.4
50°	22.3	23.0	23.7	24.4	25.1	25.6	26.2	26.7	27.3	27.6	27.9
48.75°	23.0	23.8	24.5	25.2	25.8	26.4	26.9	27.4	27.8	28.1	28.5
47.5°	23.8	24.5	25.2	25.9	26.5	27.1	27.5	27.9	28.3	28.6	29.1
46.25°	24.5	25.2	25.9	26.5	27.2	27.6	28.0	28.4	28.8	29.3	29.8
45°	25.2	25.9	26.5	27.2	27.6	28.1	28.5	28.9	29.4	29.9	30.4
43.75°	25.8	26.5	27.2	27.6	28.1	28.5	29.0	29.5	30.1	30.6	31.0
42.5°	26.4	27.1	27.6	28.1	28.5	29.0	29.6	30.1	30.7	31.1	31.5
41.25°	26.9	27.5	28.0	28.5	29.0	29.6	30.2	30.7	31.2	31.6	32.1
40°	27.4	27.9	28.4	28.9	29.5	30.1	30.7	31.2	31.7	32.2	32.6
38.75°	27.8	28.3	28.8	29.4	30.1	30.7	31.2	31.7	32.2	32.6	33.1
37.5°	28.1	28.6	29.3	29.9	30.6	31.1	31.6	32.2	32.6	33.1	33.6
36.25°	28.5	29.1	29.8	30.4	31.0	31.5	32.1	32.6	33.1	33.6	34.4
35°	28.8	29.5	30.2	30.9	31.4	32.0	32.5	33.0	33.5	34.3	35.3



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	29.3	30.0	30.7	31.2	31.8	32.4	32.9	33.4	34.2	35.2	36.2
32.5°	29.7	30.4	31.0	31.6	32.2	32.8	33.3	34.0	35.1	36.1	38.0
31.25°	30.1	30.8	31.4	32.0	32.6	33.1	33.7	34.8	35.9	37.4	40.5
30°	30.5	31.1	31.7	32.4	32.9	33.5	34.5	35.6	36.7	39.9	43.0
28.75°	30.8	31.4	32.1	32.7	33.3	34.0	35.2	36.3	38.9	42.2	45.5
27.5°	31.1	31.8	32.4	33.0	33.6	34.7	35.9	37.8	41.2	44.5	49.6
26.25°	31.4	32.1	32.7	33.3	34.2	35.4	36.6	39.9	43.3	47.7	53.7
25°	31.7	32.4	33.0	33.6	34.8	36.0	38.3	41.9	45.4	51.5	57.6
23.75°	32.0	32.6	33.3	34.1	35.4	36.6	40.2	43.8	48.9	55.1	61.4
22.5°	32.2	32.9	33.5	34.6	35.9	38.2	42.0	45.8	52.3	58.7	65.1
21.25°	32.5	33.1	33.9	35.2	36.5	39.9	43.7	48.9	55.5	62.1	68.8
20°	32.7	33.3	34.3	35.7	37.6	41.5	45.3	51.9	58.6	65.4	72.2
18.75°	32.9	33.6	34.8	36.1	39.0	43.0	47.9	54.7	61.6	68.6	75.5
17.5°	33.1	33.8	35.2	36.6	40.4	44.4	50.5	57.4	64.5	71.6	79.2
16.25°	33.3	34.2	35.6	37.6	41.7	45.9	52.9	59.9	67.2	74.4	83.0
15°	33.4	34.6	36.0	38.7	42.8	48.0	55.2	62.3	69.7	77.1	86.6
13.75°	33.6	34.9	36.3	39.8	44.0	50.0	57.3	64.6	72.1	80.3	89.9
12.5°	33.8	35.2	36.7	40.8	45.0	51.9	59.2	66.7	74.3	83.2	92.9
11.25°	34.0	35.5	37.4	41.7	46.2	53.6	61.0	68.6	76.2	85.9	95.7
10°	34.3	35.7	38.2	42.5	47.6	55.1	62.6	70.3	78.4	88.3	98.3
8.75°	34.5	36.0	38.9	43.2	48.9	56.4	64.1	71.9	80.4	90.5	100.5
7.5°	34.7	36.2	39.5	43.8	50.1	57.6	65.3	73.2	82.2	92.3	102.5
6.25°	34.8	36.3	40.0	44.3	51.0	58.6	66.4	74.3	83.8	93.9	104.1
5°	35.0	36.5	40.4	44.7	51.8	59.4	67.3	75.2	85.0	95.3	105.5
3.75°	35.1	36.6	40.7	45.1	52.4	60.1	68.0	76.0	86.0	96.3	106.6
2.5°	35.1	36.6	40.9	45.3	52.8	60.5	68.5	76.5	86.7	97.0	107.3
1.25°	35.2	36.7	41.1	45.5	53.1	60.8	68.8	76.8	87.1	97.5	107.8
0°	35.2	36.7	41.1	45.5	53.1	60.8	68.8	76.8	87.1	97.5	107.8
-1.25°	35.2	36.7	41.1	45.5	53.1	60.8	68.8	76.8	87.1	97.5	107.8
-2.5°	35.1	36.6	40.9	45.3	52.8	60.5	68.5	76.5	86.7	97.0	107.3
-3.75°	35.1	36.6	40.7	45.1	52.4	60.1	68.0	76.0	86.0	96.3	106.6
-5°	35.0	36.5	40.4	44.7	51.8	59.4	67.3	75.2	85.0	95.3	105.5
-6.25°	34.8	36.3	40.0	44.3	51.0	58.6	66.4	74.3	83.8	93.9	104.1
-7.5°	34.7	36.2	39.5	43.8	50.1	57.6	65.3	73.2	82.2	92.3	102.5
-8.75°	34.5	36.0	38.9	43.2	48.9	56.4	64.1	71.9	80.4	90.5	100.5
-10°	34.3	35.7	38.2	42.5	47.6	55.1	62.6	70.3	78.4	88.3	98.3
-11.25°	34.0	35.5	37.4	41.7	46.2	53.6	61.0	68.6	76.2	85.9	95.7
-12.5°	33.8	35.2	36.7	40.8	45.0	51.9	59.2	66.7	74.3	83.2	92.9
-13.75°	33.6	34.9	36.3	39.8	44.0	50.0	57.3	64.6	72.1	80.3	89.9
-15°	33.4	34.6	36.0	38.7	42.8	48.0	55.2	62.3	69.7	77.1	86.6
-16.25°	33.3	34.2	35.6	37.6	41.7	45.9	52.9	59.9	67.2	74.4	83.0
-17.5°	33.1	33.8	35.2	36.6	40.4	44.4	50.5	57.4	64.5	71.6	79.2
-18.75°	32.9	33.6	34.8	36.1	39.0	43.0	47.9	54.7	61.6	68.6	75.5
-20°	32.7	33.3	34.3	35.7	37.6	41.5	45.3	51.9	58.6	65.4	72.2
-21.25°	32.5	33.1	33.9	35.2	36.5	39.9	43.7	48.9	55.5	62.1	68.8



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	32.2	32.9	33.5	34.6	35.9	38.2	42.0	45.8	52.3	58.7	65.1
-23.75°	32.0	32.6	33.3	34.1	35.4	36.6	40.2	43.8	48.9	55.1	61.4
-25°	31.7	32.4	33.0	33.6	34.8	36.0	38.3	41.9	45.4	51.5	57.6
-26.25°	31.4	32.1	32.7	33.3	34.2	35.4	36.6	39.9	43.3	47.7	53.7
-27.5°	31.1	31.8	32.4	33.0	33.6	34.7	35.9	37.8	41.2	44.5	49.6
-28.75°	30.8	31.4	32.1	32.7	33.3	34.0	35.2	36.3	38.9	42.2	45.5
-30°	30.5	31.1	31.7	32.4	32.9	33.5	34.5	35.6	36.7	39.9	43.0
-31.25°	30.1	30.8	31.4	32.0	32.6	33.1	33.7	34.8	35.9	37.4	40.5
-32.5°	29.7	30.4	31.0	31.6	32.2	32.8	33.3	34.0	35.1	36.1	38.0
-33.75°	29.3	30.0	30.7	31.2	31.8	32.4	32.9	33.4	34.2	35.2	36.2
-35°	28.8	29.5	30.2	30.9	31.4	32.0	32.5	33.0	33.5	34.3	35.3
-36.25°	28.5	29.1	29.8	30.4	31.0	31.5	32.1	32.6	33.1	33.6	34.4
-37.5°	28.1	28.6	29.3	29.9	30.6	31.1	31.6	32.2	32.6	33.1	33.6
-38.75°	27.8	28.3	28.8	29.4	30.1	30.7	31.2	31.7	32.2	32.6	33.1
-40°	27.4	27.9	28.4	28.9	29.5	30.1	30.7	31.2	31.7	32.2	32.6
-41.25°	26.9	27.5	28.0	28.5	29.0	29.6	30.2	30.7	31.2	31.6	32.1
-42.5°	26.4	27.1	27.6	28.1	28.5	29.0	29.6	30.1	30.7	31.1	31.5
-43.75°	25.8	26.5	27.2	27.6	28.1	28.5	29.0	29.5	30.1	30.6	31.0
-45°	25.2	25.9	26.5	27.2	27.6	28.1	28.5	28.9	29.4	29.9	30.4
-46.25°	24.5	25.2	25.9	26.5	27.2	27.6	28.0	28.4	28.8	29.3	29.8
-47.5°	23.8	24.5	25.2	25.9	26.5	27.1	27.5	27.9	28.3	28.6	29.1
-48.75°	23.0	23.8	24.5	25.2	25.8	26.4	26.9	27.4	27.8	28.1	28.5
-50°	22.3	23.0	23.7	24.4	25.1	25.6	26.2	26.7	27.3	27.6	27.9
-51.25°	21.3	22.2	22.9	23.6	24.2	24.9	25.4	26.0	26.5	27.0	27.4
-52.5°	20.4	21.2	22.1	22.7	23.4	24.0	24.6	25.2	25.7	26.2	26.6
-53.75°	19.4	20.2	21.0	21.8	22.5	23.1	23.7	24.3	24.9	25.3	25.8
-55°	18.5	19.2	20.0	20.7	21.5	22.2	22.8	23.3	23.9	24.4	24.9
-56.25°	17.7	18.3	18.9	19.7	20.4	21.1	21.8	22.4	22.9	23.4	23.9
-57.5°	16.9	17.5	18.1	18.6	19.3	19.9	20.6	21.3	21.9	22.4	22.9
-58.75°	16.1	16.7	17.2	17.7	18.3	18.8	19.4	20.0	20.7	21.3	21.8
-60°	15.2	15.8	16.3	16.9	17.4	17.9	18.3	18.8	19.4	20.0	20.5
-61.25°	14.2	14.8	15.4	16.0	16.5	16.9	17.4	17.9	18.3	18.7	19.2
-62.5°	13.3	13.8	14.4	14.9	15.5	16.0	16.4	16.9	17.3	17.7	18.1
-63.75°	12.7	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.3	16.7	17.1
-65°	12.2	12.5	12.7	12.9	13.3	13.8	14.3	14.7	15.2	15.6	16.0
-66.25°	11.7	12.0	12.2	12.4	12.6	12.9	13.2	13.6	14.0	14.4	14.8
-67.5°	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.9	13.2	13.6
-68.75°	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.5	12.7
-70°	10.3	10.5	10.7	10.9	11.1	11.3	11.4	11.6	11.8	11.9	12.1
-71.25°	9.8	10.0	10.2	10.4	10.6	10.7	10.9	11.1	11.2	11.4	11.5
-72.5°	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.8	10.9
-73.75°	8.8	9.0	9.1	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.3
-75°	8.3	8.4	8.6	8.7	8.9	9.0	9.2	9.3	9.5	9.6	9.7
-76.25°	7.7	7.8	8.0	8.2	8.3	8.5	8.6	8.7	8.8	9.0	9.1
-77.5°	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.3	8.4



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	6.4	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.5	7.6	7.7
-80°	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.7	6.8	6.9
-81.25°	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.8	5.9	6.0	6.1
-82.5°	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
-83.75°	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.2	4.2
-85°	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.3
-86.25°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4
-87.5°	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5
-88.75°	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9
87.5°	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.8
86.25°	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8
85°	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8
83.75°	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.9
82.5°	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	6.0
81.25°	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.8	6.9	6.9
80°	7.0	7.1	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.8	7.8
78.75°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4	8.5	8.6	8.6
77.5°	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.4
76.25°	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.0	10.1
75°	9.8	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.6	10.7	10.8
73.75°	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5
72.5°	11.1	11.2	11.3	11.4	11.6	11.7	11.8	11.9	12.0	12.1	12.2
71.25°	11.7	11.8	11.9	12.1	12.2	12.3	12.4	12.6	12.7	12.8	12.9
70°	12.3	12.4	12.6	12.7	12.8	13.0	13.2	13.5	13.7	13.9	14.1
68.75°	12.9	13.0	13.4	13.7	14.0	14.3	14.6	14.8	15.1	15.3	15.6
67.5°	14.0	14.3	14.6	15.0	15.3	15.6	15.9	16.2	16.4	16.6	16.9
66.25°	15.2	15.6	15.9	16.3	16.5	16.8	17.1	17.4	17.6	17.9	18.1
65°	16.4	16.7	17.1	17.4	17.7	18.0	18.3	18.6	18.8	19.1	19.5
63.75°	17.4	17.8	18.2	18.5	18.8	19.2	19.6	20.0	20.3	20.7	21.0
62.5°	18.5	18.9	19.4	19.8	20.3	20.7	21.1	21.5	21.8	22.2	22.5
61.25°	19.8	20.3	20.7	21.2	21.7	22.1	22.5	22.8	23.1	23.4	23.7
60°	21.1	21.6	22.1	22.5	22.9	23.3	23.6	24.0	24.3	24.6	24.9
58.75°	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.1	25.4	25.7	25.9
57.5°	23.4	23.9	24.3	24.7	25.1	25.5	25.8	26.1	26.4	26.7	27.0
56.25°	24.4	24.9	25.3	25.7	26.1	26.4	26.8	27.1	27.3	27.5	27.7
55°	25.4	25.8	26.2	26.6	27.0	27.3	27.5	27.8	28.0	28.2	28.4
53.75°	26.3	26.7	27.1	27.4	27.7	27.9	28.2	28.4	28.6	28.9	29.2
52.5°	27.1	27.4	27.7	28.0	28.3	28.6	28.8	29.1	29.4	29.7	30.0
51.25°	27.7	28.0	28.3	28.6	28.9	29.3	29.6	30.0	30.3	30.6	30.8
50°	28.3	28.6	28.9	29.3	29.7	30.1	30.4	30.7	31.0	31.3	31.5
48.75°	28.8	29.3	29.7	30.1	30.5	30.8	31.1	31.4	31.7	32.0	32.2
47.5°	29.5	30.0	30.4	30.8	31.1	31.4	31.8	32.1	32.4	32.6	32.9
46.25°	30.2	30.7	31.0	31.4	31.7	32.1	32.4	32.7	33.0	33.3	33.5
45°	30.9	31.2	31.6	32.0	32.4	32.7	33.0	33.3	33.6	34.1	34.6
43.75°	31.4	31.8	32.2	32.6	32.9	33.3	33.6	34.2	34.8	35.4	35.9
42.5°	32.0	32.4	32.8	33.1	33.5	34.0	34.7	35.4	36.0	36.6	38.2
41.25°	32.5	32.9	33.3	33.7	34.5	35.2	35.9	36.6	38.3	40.2	42.0
40°	33.0	33.4	34.0	34.8	35.6	36.3	37.8	39.9	41.9	43.8	45.8
38.75°	33.5	34.2	35.1	35.9	36.7	38.9	41.2	43.3	45.4	48.9	52.3
37.5°	34.3	35.2	36.1	37.4	39.9	42.2	44.5	47.7	51.5	55.1	58.7
36.25°	35.3	36.2	38.0	40.5	43.0	45.5	49.6	53.7	57.6	61.4	65.1
35°	36.3	38.2	40.9	43.6	46.6	51.1	55.4	59.5	63.7	67.8	71.7



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	38.2	41.1	43.8	47.4	52.0	56.6	61.0	65.5	69.9	74.1	78.5
32.5°	40.9	43.8	47.6	52.5	57.3	62.1	66.8	71.5	75.9	81.3	86.7
31.25°	43.6	47.4	52.5	57.6	62.6	67.6	72.5	77.4	83.4	89.2	94.9
30°	46.6	52.0	57.3	62.6	67.9	73.1	78.5	84.9	91.1	97.1	102.9
28.75°	51.1	56.6	62.1	67.6	73.1	78.8	85.6	92.2	98.6	104.8	110.8
27.5°	55.4	61.0	66.8	72.5	78.5	85.6	92.5	99.3	105.9	112.3	118.7
26.25°	59.5	65.5	71.5	77.4	84.9	92.2	99.3	106.3	113.1	120.3	129.0
25°	63.7	69.9	75.9	83.4	91.1	98.6	105.9	113.1	120.8	130.1	139.0
23.75°	67.8	74.1	81.3	89.2	97.1	104.8	112.3	120.3	130.1	139.6	149.3
22.5°	71.7	78.5	86.7	94.9	102.9	110.8	118.7	129.0	139.0	149.3	160.4
21.25°	75.4	83.5	92.0	100.3	108.5	116.6	126.8	137.4	148.0	159.7	171.1
20°	79.6	88.3	97.0	105.5	113.9	123.6	134.6	145.5	157.7	169.8	182.1
18.75°	84.1	92.9	101.7	110.4	119.3	130.8	142.1	154.4	167.0	179.6	193.9
17.5°	88.3	97.3	106.3	115.2	125.9	137.7	149.7	162.9	176.0	190.4	211.7
16.25°	92.2	101.4	110.6	120.1	132.2	144.2	157.6	171.1	185.4	204.9	237.5
15°	96.0	105.3	114.6	125.8	138.1	151.0	165.0	178.9	195.6	223.0	268.0
13.75°	99.4	108.9	118.4	131.0	143.6	157.6	171.9	187.3	209.5	248.4	302.9
12.5°	102.6	112.2	123.1	135.9	149.1	163.8	178.3	196.1	226.5	276.4	338.4
11.25°	105.5	115.3	127.3	140.4	154.5	169.4	185.2	207.5	247.4	305.1	372.5
10°	108.2	118.0	131.2	144.5	159.4	174.6	191.4	218.5	268.9	333.8	405.4
8.75°	110.5	121.3	134.7	148.4	163.8	179.3	199.1	234.7	291.3	360.4	435.2
7.5°	112.6	124.1	137.7	152.0	167.6	183.9	206.9	249.0	311.0	384.4	460.4
6.25°	114.3	126.6	140.3	155.1	170.9	187.9	213.5	262.1	329.8	405.7	481.9
5°	115.7	128.6	142.4	157.7	173.6	191.1	220.5	275.3	345.6	423.4	499.7
3.75°	116.9	130.2	144.1	159.7	175.7	193.9	228.0	285.7	358.0	437.2	512.7
2.5°	117.7	131.3	145.2	161.1	177.2	196.9	233.4	293.1	366.8	446.8	521.9
1.25°	118.1	132.0	146.0	162.0	178.1	198.6	236.6	297.6	372.2	452.6	527.5
0°	118.3	132.3	146.2	162.3	178.4	199.2	237.7	299.1	374.0	454.5	529.4
-1.25°	118.1	132.0	146.0	162.0	178.1	198.6	236.6	297.6	372.2	452.6	527.5
-2.5°	117.7	131.3	145.2	161.1	177.2	196.9	233.4	293.1	366.8	446.8	521.9
-3.75°	116.9	130.2	144.1	159.7	175.7	193.9	228.0	285.7	358.0	437.2	512.7
-5°	115.7	128.6	142.4	157.7	173.6	191.1	220.5	275.3	345.6	423.4	499.7
-6.25°	114.3	126.6	140.3	155.1	170.9	187.9	213.5	262.1	329.8	405.7	481.9
-7.5°	112.6	124.1	137.7	152.0	167.6	183.9	206.9	249.0	311.0	384.4	460.4
-8.75°	110.5	121.3	134.7	148.4	163.8	179.3	199.1	234.7	291.3	360.4	435.2
-10°	108.2	118.0	131.2	144.5	159.4	174.6	191.4	218.5	268.9	333.8	405.4
-11.25°	105.5	115.3	127.3	140.4	154.5	169.4	185.2	207.5	247.4	305.1	372.5
-12.5°	102.6	112.2	123.1	135.9	149.1	163.8	178.3	196.1	226.5	276.4	338.4
-13.75°	99.4	108.9	118.4	131.0	143.6	157.6	171.9	187.3	209.5	248.4	302.9
-15°	96.0	105.3	114.6	125.8	138.1	151.0	165.0	178.9	195.6	223.0	268.0
-16.25°	92.2	101.4	110.6	120.1	132.2	144.2	157.6	171.1	185.4	204.9	237.5
-17.5°	88.3	97.3	106.3	115.2	125.9	137.7	149.7	162.9	176.0	190.4	211.7
-18.75°	84.1	92.9	101.7	110.4	119.3	130.8	142.1	154.4	167.0	179.6	193.9
-20°	79.6	88.3	97.0	105.5	113.9	123.6	134.6	145.5	157.7	169.8	182.1
-21.25°	75.4	83.5	92.0	100.3	108.5	116.6	126.8	137.4	148.0	159.7	171.1



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	71.7	78.5	86.7	94.9	102.9	110.8	118.7	129.0	139.0	149.3	160.4
-23.75°	67.8	74.1	81.3	89.2	97.1	104.8	112.3	120.3	130.1	139.6	149.3
-25°	63.7	69.9	75.9	83.4	91.1	98.6	105.9	113.1	120.8	130.1	139.0
-26.25°	59.5	65.5	71.5	77.4	84.9	92.2	99.3	106.3	113.1	120.3	129.0
-27.5°	55.4	61.0	66.8	72.5	78.5	85.6	92.5	99.3	105.9	112.3	118.7
-28.75°	51.1	56.6	62.1	67.6	73.1	78.8	85.6	92.2	98.6	104.8	110.8
-30°	46.6	52.0	57.3	62.6	67.9	73.1	78.5	84.9	91.1	97.1	102.9
-31.25°	43.6	47.4	52.5	57.6	62.6	67.6	72.5	77.4	83.4	89.2	94.9
-32.5°	40.9	43.8	47.6	52.5	57.3	62.1	66.8	71.5	75.9	81.3	86.7
-33.75°	38.2	41.1	43.8	47.4	52.0	56.6	61.0	65.5	69.9	74.1	78.5
-35°	36.3	38.2	40.9	43.6	46.6	51.1	55.4	59.5	63.7	67.8	71.7
-36.25°	35.3	36.2	38.0	40.5	43.0	45.5	49.6	53.7	57.6	61.4	65.1
-37.5°	34.3	35.2	36.1	37.4	39.9	42.2	44.5	47.7	51.5	55.1	58.7
-38.75°	33.5	34.2	35.1	35.9	36.7	38.9	41.2	43.3	45.4	48.9	52.3
-40°	33.0	33.4	34.0	34.8	35.6	36.3	37.8	39.9	41.9	43.8	45.8
-41.25°	32.5	32.9	33.3	33.7	34.5	35.2	35.9	36.6	38.3	40.2	42.0
-42.5°	32.0	32.4	32.8	33.1	33.5	34.0	34.7	35.4	36.0	36.6	38.2
-43.75°	31.4	31.8	32.2	32.6	32.9	33.3	33.6	34.2	34.8	35.4	35.9
-45°	30.9	31.2	31.6	32.0	32.4	32.7	33.0	33.3	33.6	34.1	34.6
-46.25°	30.2	30.7	31.0	31.4	31.7	32.1	32.4	32.7	33.0	33.3	33.5
-47.5°	29.5	30.0	30.4	30.8	31.1	31.4	31.8	32.1	32.4	32.6	32.9
-48.75°	28.8	29.3	29.7	30.1	30.5	30.8	31.1	31.4	31.7	32.0	32.2
-50°	28.3	28.6	28.9	29.3	29.7	30.1	30.4	30.7	31.0	31.3	31.5
-51.25°	27.7	28.0	28.3	28.6	28.9	29.3	29.6	30.0	30.3	30.6	30.8
-52.5°	27.1	27.4	27.7	28.0	28.3	28.6	28.8	29.1	29.4	29.7	30.0
-53.75°	26.3	26.7	27.1	27.4	27.7	27.9	28.2	28.4	28.6	28.9	29.2
-55°	25.4	25.8	26.2	26.6	27.0	27.3	27.5	27.8	28.0	28.2	28.4
-56.25°	24.4	24.9	25.3	25.7	26.1	26.4	26.8	27.1	27.3	27.5	27.7
-57.5°	23.4	23.9	24.3	24.7	25.1	25.5	25.8	26.1	26.4	26.7	27.0
-58.75°	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.1	25.4	25.7	25.9
-60°	21.1	21.6	22.1	22.5	22.9	23.3	23.6	24.0	24.3	24.6	24.9
-61.25°	19.8	20.3	20.7	21.2	21.7	22.1	22.5	22.8	23.1	23.4	23.7
-62.5°	18.5	18.9	19.4	19.8	20.3	20.7	21.1	21.5	21.8	22.2	22.5
-63.75°	17.4	17.8	18.2	18.5	18.8	19.2	19.6	20.0	20.3	20.7	21.0
-65°	16.4	16.7	17.1	17.4	17.7	18.0	18.3	18.6	18.8	19.1	19.5
-66.25°	15.2	15.6	15.9	16.3	16.5	16.8	17.1	17.4	17.6	17.9	18.1
-67.5°	14.0	14.3	14.6	15.0	15.3	15.6	15.9	16.2	16.4	16.6	16.9
-68.75°	12.9	13.0	13.4	13.7	14.0	14.3	14.6	14.8	15.1	15.3	15.6
-70°	12.3	12.4	12.6	12.7	12.8	13.0	13.2	13.5	13.7	13.9	14.1
-71.25°	11.7	11.8	11.9	12.1	12.2	12.3	12.4	12.6	12.7	12.8	12.9
-72.5°	11.1	11.2	11.3	11.4	11.6	11.7	11.8	11.9	12.0	12.1	12.2
-73.75°	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5
-75°	9.8	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.6	10.7	10.8
-76.25°	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.0	10.1
-77.5°	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.4



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4	8.5	8.6	8.6
-80°	7.0	7.1	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.8	7.8
-81.25°	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.8	6.9	6.9
-82.5°	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	6.0
-83.75°	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.9
-85°	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8
-86.25°	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8
-87.5°	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.8
-88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	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: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9
86.25°	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0
85°	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1
83.75°	5.0	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3
82.5°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
81.25°	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.3	7.3	7.4
80°	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.3
78.75°	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.0	9.1	9.1	9.1
77.5°	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.9	9.9
76.25°	10.2	10.2	10.3	10.4	10.4	10.5	10.5	10.6	10.6	10.6	10.7
75°	10.9	10.9	11.0	11.1	11.1	11.2	11.2	11.3	11.3	11.4	11.4
73.75°	11.6	11.6	11.7	11.8	11.9	11.9	12.0	12.0	12.1	12.1	12.1
72.5°	12.3	12.3	12.4	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9
71.25°	13.0	13.1	13.3	13.4	13.6	13.7	13.9	14.0	14.1	14.2	14.3
70°	14.3	14.5	14.7	14.9	15.1	15.2	15.4	15.5	15.6	15.7	15.8
68.75°	15.8	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.0	17.1	17.2
67.5°	17.1	17.3	17.4	17.6	17.8	17.9	18.1	18.2	18.3	18.4	18.5
66.25°	18.3	18.5	18.7	18.9	19.1	19.3	19.5	19.7	19.8	20.0	20.1
65°	19.7	20.0	20.3	20.5	20.8	21.0	21.2	21.3	21.5	21.6	21.8
63.75°	21.3	21.6	21.9	22.1	22.3	22.5	22.7	22.8	23.0	23.1	23.2
62.5°	22.7	23.0	23.2	23.4	23.6	23.8	24.0	24.1	24.3	24.4	24.5
61.25°	24.0	24.2	24.5	24.7	24.9	25.1	25.2	25.4	25.5	25.6	25.7
60°	25.2	25.4	25.6	25.8	26.0	26.2	26.3	26.5	26.6	26.7	26.8
58.75°	26.2	26.4	26.7	26.9	27.1	27.2	27.4	27.5	27.6	27.6	27.7
57.5°	27.2	27.4	27.5	27.7	27.8	28.0	28.1	28.2	28.3	28.4	28.4
56.25°	27.9	28.1	28.2	28.4	28.5	28.7	28.8	29.0	29.1	29.2	29.3
55°	28.6	28.8	29.0	29.2	29.4	29.6	29.7	29.9	30.0	30.1	30.2
53.75°	29.4	29.7	29.9	30.1	30.3	30.5	30.6	30.8	30.9	31.0	31.1
52.5°	30.3	30.5	30.7	30.9	31.1	31.3	31.4	31.5	31.7	31.8	31.9
51.25°	31.0	31.3	31.5	31.7	31.8	32.0	32.2	32.3	32.4	32.5	32.6
50°	31.8	32.0	32.2	32.4	32.6	32.7	32.9	33.0	33.1	33.3	33.4
48.75°	32.5	32.7	32.9	33.1	33.3	33.4	33.6	33.8	34.0	34.3	34.5
47.5°	33.1	33.3	33.6	33.8	34.2	34.6	34.9	35.2	35.5	35.7	36.0
46.25°	33.9	34.3	34.8	35.2	35.6	36.0	36.3	36.7	37.4	38.2	38.9
45°	35.2	35.7	36.1	36.6	37.6	38.7	39.8	40.8	41.7	42.5	43.2
43.75°	36.5	37.6	39.0	40.4	41.7	42.8	44.0	45.0	46.2	47.6	48.9
42.5°	39.9	41.5	43.0	44.4	45.9	48.0	50.0	51.9	53.6	55.1	56.4
41.25°	43.7	45.3	47.9	50.5	52.9	55.2	57.3	59.2	61.0	62.6	64.1
40°	48.9	51.9	54.7	57.4	59.9	62.3	64.6	66.7	68.6	70.3	71.9
38.75°	55.5	58.6	61.6	64.5	67.2	69.7	72.1	74.3	76.2	78.4	80.4
37.5°	62.1	65.4	68.6	71.6	74.4	77.1	80.3	83.2	85.9	88.3	90.5
36.25°	68.8	72.2	75.5	79.2	83.0	86.6	89.9	92.9	95.7	98.3	100.5
35°	75.4	79.6	84.1	88.3	92.2	96.0	99.4	102.6	105.5	108.2	110.5



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	83.5	88.3	92.9	97.3	101.4	105.3	108.9	112.2	115.3	118.0	121.3
32.5°	92.0	97.0	101.7	106.3	110.6	114.6	118.4	123.1	127.3	131.2	134.7
31.25°	100.3	105.5	110.4	115.2	120.1	125.8	131.0	135.9	140.4	144.5	148.4
30°	108.5	113.9	119.3	125.9	132.2	138.1	143.6	149.1	154.5	159.4	163.8
28.75°	116.6	123.6	130.8	137.7	144.2	151.0	157.6	163.8	169.4	174.6	179.3
27.5°	126.8	134.6	142.1	149.7	157.6	165.0	171.9	178.3	185.2	191.4	199.1
26.25°	137.4	145.5	154.4	162.9	171.1	178.9	187.3	196.1	207.5	218.5	234.7
25°	148.0	157.7	167.0	176.0	185.4	195.6	209.5	226.5	247.4	268.9	291.3
23.75°	159.7	169.8	179.6	190.4	204.9	223.0	248.4	276.4	305.1	333.8	360.4
22.5°	171.1	182.1	193.9	211.7	237.5	268.0	302.9	338.4	372.5	405.4	435.2
21.25°	182.9	196.6	215.8	247.3	284.4	324.4	365.6	406.1	443.8	477.0	506.5
20°	196.6	217.4	252.2	294.4	339.8	386.1	431.9	473.2	510.4	542.5	568.3
18.75°	215.8	252.2	297.7	347.6	398.8	448.8	494.5	534.5	568.2	594.4	612.2
17.5°	247.3	294.4	347.6	403.0	457.2	507.0	550.8	584.5	609.8	627.4	641.6
16.25°	284.4	339.8	398.8	457.2	510.9	558.7	594.4	618.5	637.4	653.6	668.9
15°	324.4	386.1	448.8	507.0	558.7	597.7	622.9	643.3	662.1	679.9	696.3
13.75°	365.6	431.9	494.5	550.8	594.4	622.9	645.3	666.4	686.7	705.7	723.1
12.5°	406.1	473.2	534.5	584.5	618.5	643.3	666.4	688.9	710.4	730.5	748.4
11.25°	443.8	510.4	568.2	609.8	637.4	662.1	686.7	710.4	732.9	753.5	775.5
10°	477.0	542.5	594.4	627.4	653.6	679.9	705.7	730.5	753.5	778.6	803.5
8.75°	506.5	568.3	612.2	641.6	668.9	696.3	723.1	748.4	775.5	803.5	830.5
7.5°	530.7	588.2	625.6	654.0	682.7	711.1	738.5	766.3	796.5	826.7	854.6
6.25°	551.5	604.1	636.2	665.1	694.7	723.9	751.8	783.0	815.6	847.1	875.0
5°	566.3	613.1	644.6	674.5	704.8	734.5	764.5	797.9	832.0	863.8	891.7
3.75°	576.9	620.3	651.2	681.9	712.7	742.8	774.8	809.9	845.0	876.6	903.8
2.5°	584.5	625.4	656.1	687.3	718.5	748.8	782.5	818.7	854.1	885.8	912.7
1.25°	589.2	628.6	659.1	690.6	722.0	752.5	787.3	824.2	859.7	891.5	917.8
0°	590.7	629.6	660.1	691.7	723.2	753.7	789.0	826.0	861.6	893.4	919.5
-1.25°	589.2	628.6	659.1	690.6	722.0	752.5	787.3	824.2	859.7	891.5	917.8
-2.5°	584.5	625.4	656.1	687.3	718.5	748.8	782.5	818.7	854.1	885.8	912.7
-3.75°	576.9	620.3	651.2	681.9	712.7	742.8	774.8	809.9	845.0	876.6	903.8
-5°	566.3	613.1	644.6	674.5	704.8	734.5	764.5	797.9	832.0	863.8	891.7
-6.25°	551.5	604.1	636.2	665.1	694.7	723.9	751.8	783.0	815.6	847.1	875.0
-7.5°	530.7	588.2	625.6	654.0	682.7	711.1	738.5	766.3	796.5	826.7	854.6
-8.75°	506.5	568.3	612.2	641.6	668.9	696.3	723.1	748.4	775.5	803.5	830.5
-10°	477.0	542.5	594.4	627.4	653.6	679.9	705.7	730.5	753.5	778.6	803.5
-11.25°	443.8	510.4	568.2	609.8	637.4	662.1	686.7	710.4	732.9	753.5	775.5
-12.5°	406.1	473.2	534.5	584.5	618.5	643.3	666.4	688.9	710.4	730.5	748.4
-13.75°	365.6	431.9	494.5	550.8	594.4	622.9	645.3	666.4	686.7	705.7	723.1
-15°	324.4	386.1	448.8	507.0	558.7	597.7	622.9	643.3	662.1	679.9	696.3
-16.25°	284.4	339.8	398.8	457.2	510.9	558.7	594.4	618.5	637.4	653.6	668.9
-17.5°	247.3	294.4	347.6	403.0	457.2	507.0	550.8	584.5	609.8	627.4	641.6
-18.75°	215.8	252.2	297.7	347.6	398.8	448.8	494.5	534.5	568.2	594.4	612.2
-20°	196.6	217.4	252.2	294.4	339.8	386.1	431.9	473.2	510.4	542.5	568.3
-21.25°	182.9	196.6	215.8	247.3	284.4	324.4	365.6	406.1	443.8	477.0	506.5



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	171.1	182.1	193.9	211.7	237.5	268.0	302.9	338.4	372.5	405.4	435.2
-23.75°	159.7	169.8	179.6	190.4	204.9	223.0	248.4	276.4	305.1	333.8	360.4
-25°	148.0	157.7	167.0	176.0	185.4	195.6	209.5	226.5	247.4	268.9	291.3
-26.25°	137.4	145.5	154.4	162.9	171.1	178.9	187.3	196.1	207.5	218.5	234.7
-27.5°	126.8	134.6	142.1	149.7	157.6	165.0	171.9	178.3	185.2	191.4	199.1
-28.75°	116.6	123.6	130.8	137.7	144.2	151.0	157.6	163.8	169.4	174.6	179.3
-30°	108.5	113.9	119.3	125.9	132.2	138.1	143.6	149.1	154.5	159.4	163.8
-31.25°	100.3	105.5	110.4	115.2	120.1	125.8	131.0	135.9	140.4	144.5	148.4
-32.5°	92.0	97.0	101.7	106.3	110.6	114.6	118.4	123.1	127.3	131.2	134.7
-33.75°	83.5	88.3	92.9	97.3	101.4	105.3	108.9	112.2	115.3	118.0	121.3
-35°	75.4	79.6	84.1	88.3	92.2	96.0	99.4	102.6	105.5	108.2	110.5
-36.25°	68.8	72.2	75.5	79.2	83.0	86.6	89.9	92.9	95.7	98.3	100.5
-37.5°	62.1	65.4	68.6	71.6	74.4	77.1	80.3	83.2	85.9	88.3	90.5
-38.75°	55.5	58.6	61.6	64.5	67.2	69.7	72.1	74.3	76.2	78.4	80.4
-40°	48.9	51.9	54.7	57.4	59.9	62.3	64.6	66.7	68.6	70.3	71.9
-41.25°	43.7	45.3	47.9	50.5	52.9	55.2	57.3	59.2	61.0	62.6	64.1
-42.5°	39.9	41.5	43.0	44.4	45.9	48.0	50.0	51.9	53.6	55.1	56.4
-43.75°	36.5	37.6	39.0	40.4	41.7	42.8	44.0	45.0	46.2	47.6	48.9
-45°	35.2	35.7	36.1	36.6	37.6	38.7	39.8	40.8	41.7	42.5	43.2
-46.25°	33.9	34.3	34.8	35.2	35.6	36.0	36.3	36.7	37.4	38.2	38.9
-47.5°	33.1	33.3	33.6	33.8	34.2	34.6	34.9	35.2	35.5	35.7	36.0
-48.75°	32.5	32.7	32.9	33.1	33.3	33.4	33.6	33.8	34.0	34.3	34.5
-50°	31.8	32.0	32.2	32.4	32.6	32.7	32.9	33.0	33.1	33.3	33.4
-51.25°	31.0	31.3	31.5	31.7	31.8	32.0	32.2	32.3	32.4	32.5	32.6
-52.5°	30.3	30.5	30.7	30.9	31.1	31.3	31.4	31.5	31.7	31.8	31.9
-53.75°	29.4	29.7	29.9	30.1	30.3	30.5	30.6	30.8	30.9	31.0	31.1
-55°	28.6	28.8	29.0	29.2	29.4	29.6	29.7	29.9	30.0	30.1	30.2
-56.25°	27.9	28.1	28.2	28.4	28.5	28.7	28.8	29.0	29.1	29.2	29.3
-57.5°	27.2	27.4	27.5	27.7	27.8	28.0	28.1	28.2	28.3	28.4	28.4
-58.75°	26.2	26.4	26.7	26.9	27.1	27.2	27.4	27.5	27.6	27.6	27.7
-60°	25.2	25.4	25.6	25.8	26.0	26.2	26.3	26.5	26.6	26.7	26.8
-61.25°	24.0	24.2	24.5	24.7	24.9	25.1	25.2	25.4	25.5	25.6	25.7
-62.5°	22.7	23.0	23.2	23.4	23.6	23.8	24.0	24.1	24.3	24.4	24.5
-63.75°	21.3	21.6	21.9	22.1	22.3	22.5	22.7	22.8	23.0	23.1	23.2
-65°	19.7	20.0	20.3	20.5	20.8	21.0	21.2	21.3	21.5	21.6	21.8
-66.25°	18.3	18.5	18.7	18.9	19.1	19.3	19.5	19.7	19.8	20.0	20.1
-67.5°	17.1	17.3	17.4	17.6	17.8	17.9	18.1	18.2	18.3	18.4	18.5
-68.75°	15.8	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.0	17.1	17.2
-70°	14.3	14.5	14.7	14.9	15.1	15.2	15.4	15.5	15.6	15.7	15.8
-71.25°	13.0	13.1	13.3	13.4	13.6	13.7	13.9	14.0	14.1	14.2	14.3
-72.5°	12.3	12.3	12.4	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9
-73.75°	11.6	11.6	11.7	11.8	11.9	11.9	12.0	12.0	12.1	12.1	12.1
-75°	10.9	10.9	11.0	11.1	11.1	11.2	11.2	11.3	11.3	11.4	11.4
-76.25°	10.2	10.2	10.3	10.4	10.4	10.5	10.5	10.6	10.6	10.6	10.7
-77.5°	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.9	9.9



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.0	9.1	9.1	9.1
-80°	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.3
-81.25°	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.3	7.3	7.4
-82.5°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
-83.75°	5.0	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3
-85°	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1
-86.25°	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0
-87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9
-88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
86.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
83.75°	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.3	5.3	5.3	5.3
82.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
81.25°	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.4	7.4	7.4	7.4
80°	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
78.75°	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
77.5°	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
76.25°	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.7
75°	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
73.75°	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.2	12.2	12.2	12.2
72.5°	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
71.25°	14.3	14.4	14.5	14.5	14.5	14.5	14.6	14.5	14.5	14.5	14.5
70°	15.9	15.9	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.0	16.0
68.75°	17.2	17.3	17.4	17.4	17.4	17.4	17.5	17.4	17.4	17.4	17.4
67.5°	18.6	18.6	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.7	18.7
66.25°	20.2	20.3	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.4	20.4
65°	21.9	22.0	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.1	22.1
63.75°	23.3	23.4	23.4	23.5	23.5	23.5	23.6	23.5	23.5	23.5	23.4
62.5°	24.6	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8	24.8
61.25°	25.8	25.9	25.9	26.0	26.0	26.0	26.1	26.0	26.0	26.0	25.9
60°	26.9	27.0	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.1	27.1
58.75°	27.8	27.8	27.9	27.9	27.9	27.9	28.0	27.9	27.9	27.9	27.9
57.5°	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.6
56.25°	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.6	29.6	29.6	29.5
55°	30.3	30.4	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.5	30.5
53.75°	31.2	31.2	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.3	31.3
52.5°	32.0	32.0	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1
51.25°	32.7	32.8	32.8	32.9	32.9	32.9	33.0	32.9	32.9	32.9	32.8
50°	33.5	33.5	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.6	33.6
48.75°	34.7	34.8	35.0	35.1	35.1	35.2	35.2	35.2	35.1	35.1	35.0
47.5°	36.2	36.3	36.5	36.6	36.6	36.7	36.7	36.7	36.6	36.6	36.5
46.25°	39.5	40.0	40.4	40.7	40.9	41.1	41.1	41.1	40.9	40.7	40.4
45°	43.8	44.3	44.7	45.1	45.3	45.5	45.5	45.5	45.3	45.1	44.7
43.75°	50.1	51.0	51.8	52.4	52.8	53.1	53.2	53.1	52.8	52.4	51.8
42.5°	57.6	58.6	59.4	60.1	60.5	60.8	60.9	60.8	60.5	60.1	59.4
41.25°	65.3	66.4	67.3	68.0	68.5	68.8	68.9	68.8	68.5	68.0	67.3
40°	73.2	74.3	75.2	76.0	76.5	76.8	76.9	76.8	76.5	76.0	75.2
38.75°	82.2	83.8	85.0	86.0	86.7	87.1	87.3	87.1	86.7	86.0	85.0
37.5°	92.3	93.9	95.3	96.3	97.0	97.5	97.6	97.5	97.0	96.3	95.3
36.25°	102.5	104.1	105.5	106.6	107.3	107.8	108.0	107.8	107.3	106.6	105.5
35°	112.6	114.3	115.7	116.9	117.7	118.1	118.3	118.1	117.7	116.9	115.7



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	124.1	126.6	128.6	130.2	131.3	132.0	132.3	132.0	131.3	130.2	128.6
32.5°	137.7	140.3	142.4	144.1	145.2	146.0	146.2	146.0	145.2	144.1	142.4
31.25°	152.0	155.1	157.7	159.7	161.1	162.0	162.3	162.0	161.1	159.7	157.7
30°	167.6	170.9	173.6	175.7	177.2	178.1	178.4	178.1	177.2	175.7	173.6
28.75°	183.9	187.9	191.1	193.9	196.9	198.6	199.2	198.6	196.9	193.9	191.1
27.5°	206.9	213.5	220.5	228.0	233.4	236.6	237.7	236.6	233.4	228.0	220.5
26.25°	249.0	262.1	275.3	285.7	293.1	297.6	299.1	297.6	293.1	285.7	275.3
25°	311.0	329.8	345.6	358.0	366.8	372.2	374.0	372.2	366.8	358.0	345.6
23.75°	384.4	405.7	423.4	437.2	446.8	452.6	454.5	452.6	446.8	437.2	423.4
22.5°	460.4	481.9	499.7	512.7	521.9	527.5	529.4	527.5	521.9	512.7	499.7
21.25°	530.7	551.5	566.3	576.9	584.5	589.2	590.7	589.2	584.5	576.9	566.3
20°	588.2	604.1	613.1	620.3	625.4	628.6	629.6	628.6	625.4	620.3	613.1
18.75°	625.6	636.2	644.6	651.2	656.1	659.1	660.1	659.1	656.1	651.2	644.6
17.5°	654.0	665.1	674.5	681.9	687.3	690.6	691.7	690.6	687.3	681.9	674.5
16.25°	682.7	694.7	704.8	712.7	718.5	722.0	723.2	722.0	718.5	712.7	704.8
15°	711.1	723.9	734.5	742.8	748.8	752.5	753.7	752.5	748.8	742.8	734.5
13.75°	738.5	751.8	764.5	774.8	782.5	787.3	789.0	787.3	782.5	774.8	764.5
12.5°	766.3	783.0	797.9	809.9	818.7	824.2	826.0	824.2	818.7	809.9	797.9
11.25°	796.5	815.6	832.0	845.0	854.1	859.7	861.6	859.7	854.1	845.0	832.0
10°	826.7	847.1	863.8	876.6	885.8	891.5	893.4	891.5	885.8	876.6	863.8
8.75°	854.6	875.0	891.7	903.8	912.7	917.8	919.5	917.8	912.7	903.8	891.7
7.5°	878.7	898.7	914.7	926.4	935.0	939.4	940.9	939.4	935.0	926.4	914.7
6.25°	898.7	918.0	933.6	944.0	950.8	954.3	955.5	954.3	950.8	944.0	933.6
5°	914.7	933.6	947.1	955.6	960.1	962.2	963.0	962.2	960.1	955.6	947.1
3.75°	926.4	944.0	955.6	961.5	964.1	965.3	965.3	965.3	964.1	961.5	955.6
2.5°	935.0	950.8	960.1	964.1	965.3	965.0	964.6	965.0	965.3	964.1	960.1
1.25°	939.4	954.3	962.2	965.3	965.0	964.0	964.4	964.0	965.0	965.3	962.2
0°	940.9	955.5	963.0	965.3	964.6	964.4	967.2	964.4	964.6	965.3	963.0
-1.25°	939.4	954.3	962.2	965.3	965.0	964.0	964.4	964.0	965.0	965.3	962.2
-2.5°	935.0	950.8	960.1	964.1	965.3	965.0	964.6	965.0	965.3	964.1	960.1
-3.75°	926.4	944.0	955.6	961.5	964.1	965.3	965.3	965.3	964.1	961.5	955.6
-5°	914.7	933.6	947.1	955.6	960.1	962.2	963.0	962.2	960.1	955.6	947.1
-6.25°	898.7	918.0	933.6	944.0	950.8	954.3	955.5	954.3	950.8	944.0	933.6
-7.5°	878.7	898.7	914.7	926.4	935.0	939.4	940.9	939.4	935.0	926.4	914.7
-8.75°	854.6	875.0	891.7	903.8	912.7	917.8	919.5	917.8	912.7	903.8	891.7
-10°	826.7	847.1	863.8	876.6	885.8	891.5	893.4	891.5	885.8	876.6	863.8
-11.25°	796.5	815.6	832.0	845.0	854.1	859.7	861.6	859.7	854.1	845.0	832.0
-12.5°	766.3	783.0	797.9	809.9	818.7	824.2	826.0	824.2	818.7	809.9	797.9
-13.75°	738.5	751.8	764.5	774.8	782.5	787.3	789.0	787.3	782.5	774.8	764.5
-15°	711.1	723.9	734.5	742.8	748.8	752.5	753.7	752.5	748.8	742.8	734.5
-16.25°	682.7	694.7	704.8	712.7	718.5	722.0	723.2	722.0	718.5	712.7	704.8
-17.5°	654.0	665.1	674.5	681.9	687.3	690.6	691.7	690.6	687.3	681.9	674.5
-18.75°	625.6	636.2	644.6	651.2	656.1	659.1	660.1	659.1	656.1	651.2	644.6
-20°	588.2	604.1	613.1	620.3	625.4	628.6	629.6	628.6	625.4	620.3	613.1
-21.25°	530.7	551.5	566.3	576.9	584.5	589.2	590.7	589.2	584.5	576.9	566.3



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	460.4	481.9	499.7	512.7	521.9	527.5	529.4	527.5	521.9	512.7	499.7
-23.75°	384.4	405.7	423.4	437.2	446.8	452.6	454.5	452.6	446.8	437.2	423.4
-25°	311.0	329.8	345.6	358.0	366.8	372.2	374.0	372.2	366.8	358.0	345.6
-26.25°	249.0	262.1	275.3	285.7	293.1	297.6	299.1	297.6	293.1	285.7	275.3
-27.5°	206.9	213.5	220.5	228.0	233.4	236.6	237.7	236.6	233.4	228.0	220.5
-28.75°	183.9	187.9	191.1	193.9	196.9	198.6	199.2	198.6	196.9	193.9	191.1
-30°	167.6	170.9	173.6	175.7	177.2	178.1	178.4	178.1	177.2	175.7	173.6
-31.25°	152.0	155.1	157.7	159.7	161.1	162.0	162.3	162.0	161.1	159.7	157.7
-32.5°	137.7	140.3	142.4	144.1	145.2	146.0	146.2	146.0	145.2	144.1	142.4
-33.75°	124.1	126.6	128.6	130.2	131.3	132.0	132.3	132.0	131.3	130.2	128.6
-35°	112.6	114.3	115.7	116.9	117.7	118.1	118.3	118.1	117.7	116.9	115.7
-36.25°	102.5	104.1	105.5	106.6	107.3	107.8	108.0	107.8	107.3	106.6	105.5
-37.5°	92.3	93.9	95.3	96.3	97.0	97.5	97.6	97.5	97.0	96.3	95.3
-38.75°	82.2	83.8	85.0	86.0	86.7	87.1	87.3	87.1	86.7	86.0	85.0
-40°	73.2	74.3	75.2	76.0	76.5	76.8	76.9	76.8	76.5	76.0	75.2
-41.25°	65.3	66.4	67.3	68.0	68.5	68.8	68.9	68.8	68.5	68.0	67.3
-42.5°	57.6	58.6	59.4	60.1	60.5	60.8	60.9	60.8	60.5	60.1	59.4
-43.75°	50.1	51.0	51.8	52.4	52.8	53.1	53.2	53.1	52.8	52.4	51.8
-45°	43.8	44.3	44.7	45.1	45.3	45.5	45.5	45.5	45.3	45.1	44.7
-46.25°	39.5	40.0	40.4	40.7	40.9	41.1	41.1	41.1	40.9	40.7	40.4
-47.5°	36.2	36.3	36.5	36.6	36.6	36.7	36.7	36.7	36.6	36.6	36.5
-48.75°	34.7	34.8	35.0	35.1	35.1	35.2	35.2	35.2	35.1	35.1	35.0
-50°	33.5	33.5	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.6	33.6
-51.25°	32.7	32.8	32.8	32.9	32.9	32.9	33.0	32.9	32.9	32.9	32.8
-52.5°	32.0	32.0	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1
-53.75°	31.2	31.2	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.3	31.3
-55°	30.3	30.4	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.5	30.5
-56.25°	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.6	29.6	29.6	29.5
-57.5°	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.6
-58.75°	27.8	27.8	27.9	27.9	27.9	27.9	28.0	27.9	27.9	27.9	27.9
-60°	26.9	27.0	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.1	27.1
-61.25°	25.8	25.9	25.9	26.0	26.0	26.0	26.1	26.0	26.0	26.0	25.9
-62.5°	24.6	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8	24.8
-63.75°	23.3	23.4	23.4	23.5	23.5	23.5	23.6	23.5	23.5	23.5	23.4
-65°	21.9	22.0	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.1	22.1
-66.25°	20.2	20.3	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.4	20.4
-67.5°	18.6	18.6	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.7	18.7
-68.75°	17.2	17.3	17.4	17.4	17.4	17.4	17.5	17.4	17.4	17.4	17.4
-70°	15.9	15.9	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.0	16.0
-71.25°	14.3	14.4	14.5	14.5	14.5	14.5	14.6	14.5	14.5	14.5	14.5
-72.5°	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
-73.75°	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.2	12.2	12.2	12.2
-75°	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
-76.25°	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.7
-77.5°	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-80°	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
-81.25°	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.4	7.4	7.4	7.4
-82.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-83.75°	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.3	5.3	5.3	5.3
-85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-86.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
-87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
-88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8
86.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9
85°	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0
83.75°	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.0
82.5°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
81.25°	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1
80°	8.4	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0
78.75°	9.2	9.1	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8
77.5°	10.0	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6	9.6
76.25°	10.7	10.7	10.7	10.6	10.6	10.6	10.5	10.5	10.4	10.4	10.3
75°	11.4	11.4	11.4	11.4	11.3	11.3	11.2	11.2	11.1	11.1	11.0
73.75°	12.2	12.2	12.1	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.7
72.5°	12.9	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.6	12.5	12.4
71.25°	14.4	14.3	14.3	14.2	14.1	14.0	13.9	13.7	13.6	13.4	13.3
70°	15.9	15.9	15.8	15.7	15.6	15.5	15.4	15.2	15.1	14.9	14.7
68.75°	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.6	16.5	16.3	16.2
67.5°	18.6	18.6	18.5	18.4	18.3	18.2	18.1	17.9	17.8	17.6	17.4
66.25°	20.3	20.2	20.1	20.0	19.8	19.7	19.5	19.3	19.1	18.9	18.7
65°	22.0	21.9	21.8	21.6	21.5	21.3	21.2	21.0	20.8	20.5	20.3
63.75°	23.4	23.3	23.2	23.1	23.0	22.8	22.7	22.5	22.3	22.1	21.9
62.5°	24.7	24.6	24.5	24.4	24.3	24.1	24.0	23.8	23.6	23.4	23.2
61.25°	25.9	25.8	25.7	25.6	25.5	25.4	25.2	25.1	24.9	24.7	24.5
60°	27.0	26.9	26.8	26.7	26.6	26.5	26.3	26.2	26.0	25.8	25.6
58.75°	27.8	27.8	27.7	27.6	27.6	27.5	27.4	27.2	27.1	26.9	26.7
57.5°	28.6	28.5	28.4	28.4	28.3	28.2	28.1	28.0	27.8	27.7	27.5
56.25°	29.5	29.4	29.3	29.2	29.1	29.0	28.8	28.7	28.5	28.4	28.2
55°	30.4	30.3	30.2	30.1	30.0	29.9	29.7	29.6	29.4	29.2	29.0
53.75°	31.2	31.2	31.1	31.0	30.9	30.8	30.6	30.5	30.3	30.1	29.9
52.5°	32.0	32.0	31.9	31.8	31.7	31.5	31.4	31.3	31.1	30.9	30.7
51.25°	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.0	31.8	31.7	31.5
50°	33.5	33.5	33.4	33.3	33.1	33.0	32.9	32.7	32.6	32.4	32.2
48.75°	34.8	34.7	34.5	34.3	34.0	33.8	33.6	33.4	33.3	33.1	32.9
47.5°	36.3	36.2	36.0	35.7	35.5	35.2	34.9	34.6	34.2	33.8	33.6
46.25°	40.0	39.5	38.9	38.2	37.4	36.7	36.3	36.0	35.6	35.2	34.8
45°	44.3	43.8	43.2	42.5	41.7	40.8	39.8	38.7	37.6	36.6	36.1
43.75°	51.0	50.1	48.9	47.6	46.2	45.0	44.0	42.8	41.7	40.4	39.0
42.5°	58.6	57.6	56.4	55.1	53.6	51.9	50.0	48.0	45.9	44.4	43.0
41.25°	66.4	65.3	64.1	62.6	61.0	59.2	57.3	55.2	52.9	50.5	47.9
40°	74.3	73.2	71.9	70.3	68.6	66.7	64.6	62.3	59.9	57.4	54.7
38.75°	83.8	82.2	80.4	78.4	76.2	74.3	72.1	69.7	67.2	64.5	61.6
37.5°	93.9	92.3	90.5	88.3	85.9	83.2	80.3	77.1	74.4	71.6	68.6
36.25°	104.1	102.5	100.5	98.3	95.7	92.9	89.9	86.6	83.0	79.2	75.5
35°	114.3	112.6	110.5	108.2	105.5	102.6	99.4	96.0	92.2	88.3	84.1



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	126.6	124.1	121.3	118.0	115.3	112.2	108.9	105.3	101.4	97.3	92.9
32.5°	140.3	137.7	134.7	131.2	127.3	123.1	118.4	114.6	110.6	106.3	101.7
31.25°	155.1	152.0	148.4	144.5	140.4	135.9	131.0	125.8	120.1	115.2	110.4
30°	170.9	167.6	163.8	159.4	154.5	149.1	143.6	138.1	132.2	125.9	119.3
28.75°	187.9	183.9	179.3	174.6	169.4	163.8	157.6	151.0	144.2	137.7	130.8
27.5°	213.5	206.9	199.1	191.4	185.2	178.3	171.9	165.0	157.6	149.7	142.1
26.25°	262.1	249.0	234.7	218.5	207.5	196.1	187.3	178.9	171.1	162.9	154.4
25°	329.8	311.0	291.3	268.9	247.4	226.5	209.5	195.6	185.4	176.0	167.0
23.75°	405.7	384.4	360.4	333.8	305.1	276.4	248.4	223.0	204.9	190.4	179.6
22.5°	481.9	460.4	435.2	405.4	372.5	338.4	302.9	268.0	237.5	211.7	193.9
21.25°	551.5	530.7	506.5	477.0	443.8	406.1	365.6	324.4	284.4	247.3	215.8
20°	604.1	588.2	568.3	542.5	510.4	473.2	431.9	386.1	339.8	294.4	252.2
18.75°	636.2	625.6	612.2	594.4	568.2	534.5	494.5	448.8	398.8	347.6	297.7
17.5°	665.1	654.0	641.6	627.4	609.8	584.5	550.8	507.0	457.2	403.0	347.6
16.25°	694.7	682.7	668.9	653.6	637.4	618.5	594.4	558.7	510.9	457.2	398.8
15°	723.9	711.1	696.3	679.9	662.1	643.3	622.9	597.7	558.7	507.0	448.8
13.75°	751.8	738.5	723.1	705.7	686.7	666.4	645.3	622.9	594.4	550.8	494.5
12.5°	783.0	766.3	748.4	730.5	710.4	688.9	666.4	643.3	618.5	584.5	534.5
11.25°	815.6	796.5	775.5	753.5	732.9	710.4	686.7	662.1	637.4	609.8	568.2
10°	847.1	826.7	803.5	778.6	753.5	730.5	705.7	679.9	653.6	627.4	594.4
8.75°	875.0	854.6	830.5	803.5	775.5	748.4	723.1	696.3	668.9	641.6	612.2
7.5°	898.7	878.7	854.6	826.7	796.5	766.3	738.5	711.1	682.7	654.0	625.6
6.25°	918.0	898.7	875.0	847.1	815.6	783.0	751.8	723.9	694.7	665.1	636.2
5°	933.6	914.7	891.7	863.8	832.0	797.9	764.5	734.5	704.8	674.5	644.6
3.75°	944.0	926.4	903.8	876.6	845.0	809.9	774.8	742.8	712.7	681.9	651.2
2.5°	950.8	935.0	912.7	885.8	854.1	818.7	782.5	748.8	718.5	687.3	656.1
1.25°	954.3	939.4	917.8	891.5	859.7	824.2	787.3	752.5	722.0	690.6	659.1
0°	955.5	940.9	919.5	893.4	861.6	826.0	789.0	753.7	723.2	691.7	660.1
-1.25°	954.3	939.4	917.8	891.5	859.7	824.2	787.3	752.5	722.0	690.6	659.1
-2.5°	950.8	935.0	912.7	885.8	854.1	818.7	782.5	748.8	718.5	687.3	656.1
-3.75°	944.0	926.4	903.8	876.6	845.0	809.9	774.8	742.8	712.7	681.9	651.2
-5°	933.6	914.7	891.7	863.8	832.0	797.9	764.5	734.5	704.8	674.5	644.6
-6.25°	918.0	898.7	875.0	847.1	815.6	783.0	751.8	723.9	694.7	665.1	636.2
-7.5°	898.7	878.7	854.6	826.7	796.5	766.3	738.5	711.1	682.7	654.0	625.6
-8.75°	875.0	854.6	830.5	803.5	775.5	748.4	723.1	696.3	668.9	641.6	612.2
-10°	847.1	826.7	803.5	778.6	753.5	730.5	705.7	679.9	653.6	627.4	594.4
-11.25°	815.6	796.5	775.5	753.5	732.9	710.4	686.7	662.1	637.4	609.8	568.2
-12.5°	783.0	766.3	748.4	730.5	710.4	688.9	666.4	643.3	618.5	584.5	534.5
-13.75°	751.8	738.5	723.1	705.7	686.7	666.4	645.3	622.9	594.4	550.8	494.5
-15°	723.9	711.1	696.3	679.9	662.1	643.3	622.9	597.7	558.7	507.0	448.8
-16.25°	694.7	682.7	668.9	653.6	637.4	618.5	594.4	558.7	510.9	457.2	398.8
-17.5°	665.1	654.0	641.6	627.4	609.8	584.5	550.8	507.0	457.2	403.0	347.6
-18.75°	636.2	625.6	612.2	594.4	568.2	534.5	494.5	448.8	398.8	347.6	297.7
-20°	604.1	588.2	568.3	542.5	510.4	473.2	431.9	386.1	339.8	294.4	252.2
-21.25°	551.5	530.7	506.5	477.0	443.8	406.1	365.6	324.4	284.4	247.3	215.8



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	481.9	460.4	435.2	405.4	372.5	338.4	302.9	268.0	237.5	211.7	193.9
-23.75°	405.7	384.4	360.4	333.8	305.1	276.4	248.4	223.0	204.9	190.4	179.6
-25°	329.8	311.0	291.3	268.9	247.4	226.5	209.5	195.6	185.4	176.0	167.0
-26.25°	262.1	249.0	234.7	218.5	207.5	196.1	187.3	178.9	171.1	162.9	154.4
-27.5°	213.5	206.9	199.1	191.4	185.2	178.3	171.9	165.0	157.6	149.7	142.1
-28.75°	187.9	183.9	179.3	174.6	169.4	163.8	157.6	151.0	144.2	137.7	130.8
-30°	170.9	167.6	163.8	159.4	154.5	149.1	143.6	138.1	132.2	125.9	119.3
-31.25°	155.1	152.0	148.4	144.5	140.4	135.9	131.0	125.8	120.1	115.2	110.4
-32.5°	140.3	137.7	134.7	131.2	127.3	123.1	118.4	114.6	110.6	106.3	101.7
-33.75°	126.6	124.1	121.3	118.0	115.3	112.2	108.9	105.3	101.4	97.3	92.9
-35°	114.3	112.6	110.5	108.2	105.5	102.6	99.4	96.0	92.2	88.3	84.1
-36.25°	104.1	102.5	100.5	98.3	95.7	92.9	89.9	86.6	83.0	79.2	75.5
-37.5°	93.9	92.3	90.5	88.3	85.9	83.2	80.3	77.1	74.4	71.6	68.6
-38.75°	83.8	82.2	80.4	78.4	76.2	74.3	72.1	69.7	67.2	64.5	61.6
-40°	74.3	73.2	71.9	70.3	68.6	66.7	64.6	62.3	59.9	57.4	54.7
-41.25°	66.4	65.3	64.1	62.6	61.0	59.2	57.3	55.2	52.9	50.5	47.9
-42.5°	58.6	57.6	56.4	55.1	53.6	51.9	50.0	48.0	45.9	44.4	43.0
-43.75°	51.0	50.1	48.9	47.6	46.2	45.0	44.0	42.8	41.7	40.4	39.0
-45°	44.3	43.8	43.2	42.5	41.7	40.8	39.8	38.7	37.6	36.6	36.1
-46.25°	40.0	39.5	38.9	38.2	37.4	36.7	36.3	36.0	35.6	35.2	34.8
-47.5°	36.3	36.2	36.0	35.7	35.5	35.2	34.9	34.6	34.2	33.8	33.6
-48.75°	34.8	34.7	34.5	34.3	34.0	33.8	33.6	33.4	33.3	33.1	32.9
-50°	33.5	33.5	33.4	33.3	33.1	33.0	32.9	32.7	32.6	32.4	32.2
-51.25°	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.0	31.8	31.7	31.5
-52.5°	32.0	32.0	31.9	31.8	31.7	31.5	31.4	31.3	31.1	30.9	30.7
-53.75°	31.2	31.2	31.1	31.0	30.9	30.8	30.6	30.5	30.3	30.1	29.9
-55°	30.4	30.3	30.2	30.1	30.0	29.9	29.7	29.6	29.4	29.2	29.0
-56.25°	29.5	29.4	29.3	29.2	29.1	29.0	28.8	28.7	28.5	28.4	28.2
-57.5°	28.6	28.5	28.4	28.4	28.3	28.2	28.1	28.0	27.8	27.7	27.5
-58.75°	27.8	27.8	27.7	27.6	27.6	27.5	27.4	27.2	27.1	26.9	26.7
-60°	27.0	26.9	26.8	26.7	26.6	26.5	26.3	26.2	26.0	25.8	25.6
-61.25°	25.9	25.8	25.7	25.6	25.5	25.4	25.2	25.1	24.9	24.7	24.5
-62.5°	24.7	24.6	24.5	24.4	24.3	24.1	24.0	23.8	23.6	23.4	23.2
-63.75°	23.4	23.3	23.2	23.1	23.0	22.8	22.7	22.5	22.3	22.1	21.9
-65°	22.0	21.9	21.8	21.6	21.5	21.3	21.2	21.0	20.8	20.5	20.3
-66.25°	20.3	20.2	20.1	20.0	19.8	19.7	19.5	19.3	19.1	18.9	18.7
-67.5°	18.6	18.6	18.5	18.4	18.3	18.2	18.1	17.9	17.8	17.6	17.4
-68.75°	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.6	16.5	16.3	16.2
-70°	15.9	15.9	15.8	15.7	15.6	15.5	15.4	15.2	15.1	14.9	14.7
-71.25°	14.4	14.3	14.3	14.2	14.1	14.0	13.9	13.7	13.6	13.4	13.3
-72.5°	12.9	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.6	12.5	12.4
-73.75°	12.2	12.2	12.1	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.7
-75°	11.4	11.4	11.4	11.4	11.3	11.3	11.2	11.2	11.1	11.1	11.0
-76.25°	10.7	10.7	10.7	10.6	10.6	10.6	10.5	10.5	10.4	10.4	10.3
-77.5°	10.0	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6	9.6



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	9.2	9.1	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8
-80°	8.4	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0
-81.25°	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1
-82.5°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
-83.75°	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.0
-85°	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0
-86.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9
-87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8
-88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8
87.5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
86.25°	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.5
85°	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5
83.75°	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4
82.5°	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.6	5.5	5.4
81.25°	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.4
80°	7.9	7.9	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.3	7.2
78.75°	8.8	8.7	8.6	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0
77.5°	9.5	9.4	9.4	9.3	9.2	9.2	9.1	9.0	8.9	8.8	8.7
76.25°	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7	9.6	9.5	9.4
75°	10.9	10.9	10.8	10.7	10.6	10.6	10.5	10.4	10.3	10.2	10.1
73.75°	11.6	11.6	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7
72.5°	12.3	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.4	11.3
71.25°	13.1	13.0	12.9	12.8	12.7	12.6	12.4	12.3	12.2	12.1	11.9
70°	14.5	14.3	14.1	13.9	13.7	13.5	13.2	13.0	12.8	12.7	12.6
68.75°	16.0	15.8	15.6	15.3	15.1	14.8	14.6	14.3	14.0	13.7	13.4
67.5°	17.3	17.1	16.9	16.6	16.4	16.2	15.9	15.6	15.3	15.0	14.6
66.25°	18.5	18.3	18.1	17.9	17.6	17.4	17.1	16.8	16.5	16.3	15.9
65°	20.0	19.7	19.5	19.1	18.8	18.6	18.3	18.0	17.7	17.4	17.1
63.75°	21.6	21.3	21.0	20.7	20.3	20.0	19.6	19.2	18.8	18.5	18.2
62.5°	23.0	22.7	22.5	22.2	21.8	21.5	21.1	20.7	20.3	19.8	19.4
61.25°	24.2	24.0	23.7	23.4	23.1	22.8	22.5	22.1	21.7	21.2	20.7
60°	25.4	25.2	24.9	24.6	24.3	24.0	23.6	23.3	22.9	22.5	22.1
58.75°	26.4	26.2	25.9	25.7	25.4	25.1	24.8	24.4	24.0	23.6	23.2
57.5°	27.4	27.2	27.0	26.7	26.4	26.1	25.8	25.5	25.1	24.7	24.3
56.25°	28.1	27.9	27.7	27.5	27.3	27.1	26.8	26.4	26.1	25.7	25.3
55°	28.8	28.6	28.4	28.2	28.0	27.8	27.5	27.3	27.0	26.6	26.2
53.75°	29.7	29.4	29.2	28.9	28.6	28.4	28.2	27.9	27.7	27.4	27.1
52.5°	30.5	30.3	30.0	29.7	29.4	29.1	28.8	28.6	28.3	28.0	27.7
51.25°	31.3	31.0	30.8	30.6	30.3	30.0	29.6	29.3	28.9	28.6	28.3
50°	32.0	31.8	31.5	31.3	31.0	30.7	30.4	30.1	29.7	29.3	28.9
48.75°	32.7	32.5	32.2	32.0	31.7	31.4	31.1	30.8	30.5	30.1	29.7
47.5°	33.3	33.1	32.9	32.6	32.4	32.1	31.8	31.4	31.1	30.8	30.4
46.25°	34.3	33.9	33.5	33.3	33.0	32.7	32.4	32.1	31.7	31.4	31.0
45°	35.7	35.2	34.6	34.1	33.6	33.3	33.0	32.7	32.4	32.0	31.6
43.75°	37.6	36.5	35.9	35.4	34.8	34.2	33.6	33.3	32.9	32.6	32.2
42.5°	41.5	39.9	38.2	36.6	36.0	35.4	34.7	34.0	33.5	33.1	32.8
41.25°	45.3	43.7	42.0	40.2	38.3	36.6	35.9	35.2	34.5	33.7	33.3
40°	51.9	48.9	45.8	43.8	41.9	39.9	37.8	36.3	35.6	34.8	34.0
38.75°	58.6	55.5	52.3	48.9	45.4	43.3	41.2	38.9	36.7	35.9	35.1
37.5°	65.4	62.1	58.7	55.1	51.5	47.7	44.5	42.2	39.9	37.4	36.1
36.25°	72.2	68.8	65.1	61.4	57.6	53.7	49.6	45.5	43.0	40.5	38.0
35°	79.6	75.4	71.7	67.8	63.7	59.5	55.4	51.1	46.6	43.6	40.9



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	88.3	83.5	78.5	74.1	69.9	65.5	61.0	56.6	52.0	47.4	43.8
32.5°	97.0	92.0	86.7	81.3	75.9	71.5	66.8	62.1	57.3	52.5	47.6
31.25°	105.5	100.3	94.9	89.2	83.4	77.4	72.5	67.6	62.6	57.6	52.5
30°	113.9	108.5	102.9	97.1	91.1	84.9	78.5	73.1	67.9	62.6	57.3
28.75°	123.6	116.6	110.8	104.8	98.6	92.2	85.6	78.8	73.1	67.6	62.1
27.5°	134.6	126.8	118.7	112.3	105.9	99.3	92.5	85.6	78.5	72.5	66.8
26.25°	145.5	137.4	129.0	120.3	113.1	106.3	99.3	92.2	84.9	77.4	71.5
25°	157.7	148.0	139.0	130.1	120.8	113.1	105.9	98.6	91.1	83.4	75.9
23.75°	169.8	159.7	149.3	139.6	130.1	120.3	112.3	104.8	97.1	89.2	81.3
22.5°	182.1	171.1	160.4	149.3	139.0	129.0	118.7	110.8	102.9	94.9	86.7
21.25°	196.6	182.9	171.1	159.7	148.0	137.4	126.8	116.6	108.5	100.3	92.0
20°	217.4	196.6	182.1	169.8	157.7	145.5	134.6	123.6	113.9	105.5	97.0
18.75°	252.2	215.8	193.9	179.6	167.0	154.4	142.1	130.8	119.3	110.4	101.7
17.5°	294.4	247.3	211.7	190.4	176.0	162.9	149.7	137.7	125.9	115.2	106.3
16.25°	339.8	284.4	237.5	204.9	185.4	171.1	157.6	144.2	132.2	120.1	110.6
15°	386.1	324.4	268.0	223.0	195.6	178.9	165.0	151.0	138.1	125.8	114.6
13.75°	431.9	365.6	302.9	248.4	209.5	187.3	171.9	157.6	143.6	131.0	118.4
12.5°	473.2	406.1	338.4	276.4	226.5	196.1	178.3	163.8	149.1	135.9	123.1
11.25°	510.4	443.8	372.5	305.1	247.4	207.5	185.2	169.4	154.5	140.4	127.3
10°	542.5	477.0	405.4	333.8	268.9	218.5	191.4	174.6	159.4	144.5	131.2
8.75°	568.3	506.5	435.2	360.4	291.3	234.7	199.1	179.3	163.8	148.4	134.7
7.5°	588.2	530.7	460.4	384.4	311.0	249.0	206.9	183.9	167.6	152.0	137.7
6.25°	604.1	551.5	481.9	405.7	329.8	262.1	213.5	187.9	170.9	155.1	140.3
5°	613.1	566.3	499.7	423.4	345.6	275.3	220.5	191.1	173.6	157.7	142.4
3.75°	620.3	576.9	512.7	437.2	358.0	285.7	228.0	193.9	175.7	159.7	144.1
2.5°	625.4	584.5	521.9	446.8	366.8	293.1	233.4	196.9	177.2	161.1	145.2
1.25°	628.6	589.2	527.5	452.6	372.2	297.6	236.6	198.6	178.1	162.0	146.0
0°	629.6	590.7	529.4	454.5	374.0	299.1	237.7	199.2	178.4	162.3	146.2
-1.25°	628.6	589.2	527.5	452.6	372.2	297.6	236.6	198.6	178.1	162.0	146.0
-2.5°	625.4	584.5	521.9	446.8	366.8	293.1	233.4	196.9	177.2	161.1	145.2
-3.75°	620.3	576.9	512.7	437.2	358.0	285.7	228.0	193.9	175.7	159.7	144.1
-5°	613.1	566.3	499.7	423.4	345.6	275.3	220.5	191.1	173.6	157.7	142.4
-6.25°	604.1	551.5	481.9	405.7	329.8	262.1	213.5	187.9	170.9	155.1	140.3
-7.5°	588.2	530.7	460.4	384.4	311.0	249.0	206.9	183.9	167.6	152.0	137.7
-8.75°	568.3	506.5	435.2	360.4	291.3	234.7	199.1	179.3	163.8	148.4	134.7
-10°	542.5	477.0	405.4	333.8	268.9	218.5	191.4	174.6	159.4	144.5	131.2
-11.25°	510.4	443.8	372.5	305.1	247.4	207.5	185.2	169.4	154.5	140.4	127.3
-12.5°	473.2	406.1	338.4	276.4	226.5	196.1	178.3	163.8	149.1	135.9	123.1
-13.75°	431.9	365.6	302.9	248.4	209.5	187.3	171.9	157.6	143.6	131.0	118.4
-15°	386.1	324.4	268.0	223.0	195.6	178.9	165.0	151.0	138.1	125.8	114.6
-16.25°	339.8	284.4	237.5	204.9	185.4	171.1	157.6	144.2	132.2	120.1	110.6
-17.5°	294.4	247.3	211.7	190.4	176.0	162.9	149.7	137.7	125.9	115.2	106.3
-18.75°	252.2	215.8	193.9	179.6	167.0	154.4	142.1	130.8	119.3	110.4	101.7
-20°	217.4	196.6	182.1	169.8	157.7	145.5	134.6	123.6	113.9	105.5	97.0
-21.25°	196.6	182.9	171.1	159.7	148.0	137.4	126.8	116.6	108.5	100.3	92.0



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	182.1	171.1	160.4	149.3	139.0	129.0	118.7	110.8	102.9	94.9	86.7
-23.75°	169.8	159.7	149.3	139.6	130.1	120.3	112.3	104.8	97.1	89.2	81.3
-25°	157.7	148.0	139.0	130.1	120.8	113.1	105.9	98.6	91.1	83.4	75.9
-26.25°	145.5	137.4	129.0	120.3	113.1	106.3	99.3	92.2	84.9	77.4	71.5
-27.5°	134.6	126.8	118.7	112.3	105.9	99.3	92.5	85.6	78.5	72.5	66.8
-28.75°	123.6	116.6	110.8	104.8	98.6	92.2	85.6	78.8	73.1	67.6	62.1
-30°	113.9	108.5	102.9	97.1	91.1	84.9	78.5	73.1	67.9	62.6	57.3
-31.25°	105.5	100.3	94.9	89.2	83.4	77.4	72.5	67.6	62.6	57.6	52.5
-32.5°	97.0	92.0	86.7	81.3	75.9	71.5	66.8	62.1	57.3	52.5	47.6
-33.75°	88.3	83.5	78.5	74.1	69.9	65.5	61.0	56.6	52.0	47.4	43.8
-35°	79.6	75.4	71.7	67.8	63.7	59.5	55.4	51.1	46.6	43.6	40.9
-36.25°	72.2	68.8	65.1	61.4	57.6	53.7	49.6	45.5	43.0	40.5	38.0
-37.5°	65.4	62.1	58.7	55.1	51.5	47.7	44.5	42.2	39.9	37.4	36.1
-38.75°	58.6	55.5	52.3	48.9	45.4	43.3	41.2	38.9	36.7	35.9	35.1
-40°	51.9	48.9	45.8	43.8	41.9	39.9	37.8	36.3	35.6	34.8	34.0
-41.25°	45.3	43.7	42.0	40.2	38.3	36.6	35.9	35.2	34.5	33.7	33.3
-42.5°	41.5	39.9	38.2	36.6	36.0	35.4	34.7	34.0	33.5	33.1	32.8
-43.75°	37.6	36.5	35.9	35.4	34.8	34.2	33.6	33.3	32.9	32.6	32.2
-45°	35.7	35.2	34.6	34.1	33.6	33.3	33.0	32.7	32.4	32.0	31.6
-46.25°	34.3	33.9	33.5	33.3	33.0	32.7	32.4	32.1	31.7	31.4	31.0
-47.5°	33.3	33.1	32.9	32.6	32.4	32.1	31.8	31.4	31.1	30.8	30.4
-48.75°	32.7	32.5	32.2	32.0	31.7	31.4	31.1	30.8	30.5	30.1	29.7
-50°	32.0	31.8	31.5	31.3	31.0	30.7	30.4	30.1	29.7	29.3	28.9
-51.25°	31.3	31.0	30.8	30.6	30.3	30.0	29.6	29.3	28.9	28.6	28.3
-52.5°	30.5	30.3	30.0	29.7	29.4	29.1	28.8	28.6	28.3	28.0	27.7
-53.75°	29.7	29.4	29.2	28.9	28.6	28.4	28.2	27.9	27.7	27.4	27.1
-55°	28.8	28.6	28.4	28.2	28.0	27.8	27.5	27.3	27.0	26.6	26.2
-56.25°	28.1	27.9	27.7	27.5	27.3	27.1	26.8	26.4	26.1	25.7	25.3
-57.5°	27.4	27.2	27.0	26.7	26.4	26.1	25.8	25.5	25.1	24.7	24.3
-58.75°	26.4	26.2	25.9	25.7	25.4	25.1	24.8	24.4	24.0	23.6	23.2
-60°	25.4	25.2	24.9	24.6	24.3	24.0	23.6	23.3	22.9	22.5	22.1
-61.25°	24.2	24.0	23.7	23.4	23.1	22.8	22.5	22.1	21.7	21.2	20.7
-62.5°	23.0	22.7	22.5	22.2	21.8	21.5	21.1	20.7	20.3	19.8	19.4
-63.75°	21.6	21.3	21.0	20.7	20.3	20.0	19.6	19.2	18.8	18.5	18.2
-65°	20.0	19.7	19.5	19.1	18.8	18.6	18.3	18.0	17.7	17.4	17.1
-66.25°	18.5	18.3	18.1	17.9	17.6	17.4	17.1	16.8	16.5	16.3	15.9
-67.5°	17.3	17.1	16.9	16.6	16.4	16.2	15.9	15.6	15.3	15.0	14.6
-68.75°	16.0	15.8	15.6	15.3	15.1	14.8	14.6	14.3	14.0	13.7	13.4
-70°	14.5	14.3	14.1	13.9	13.7	13.5	13.2	13.0	12.8	12.7	12.6
-71.25°	13.1	13.0	12.9	12.8	12.7	12.6	12.4	12.3	12.2	12.1	11.9
-72.5°	12.3	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.4	11.3
-73.75°	11.6	11.6	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7
-75°	10.9	10.9	10.8	10.7	10.6	10.6	10.5	10.4	10.3	10.2	10.1
-76.25°	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7	9.6	9.5	9.4
-77.5°	9.5	9.4	9.4	9.3	9.2	9.2	9.1	9.0	8.9	8.8	8.7



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	8.8	8.7	8.6	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0
-80°	7.9	7.9	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.3	7.2
-81.25°	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.4
-82.5°	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.6	5.5	5.4
-83.75°	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4
-85°	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5
-86.25°	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.5
-87.5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
-88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3
86.25°	2.5	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.0	2.0
85°	3.4	3.4	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8
83.75°	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.7	3.7	3.6
82.5°	5.3	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
81.25°	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.3	5.2
80°	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.2	6.1	5.9
78.75°	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.8	6.7
77.5°	8.6	8.5	8.4	8.3	8.2	8.1	7.9	7.8	7.6	7.5	7.3
76.25°	9.3	9.2	9.1	9.0	8.8	8.7	8.6	8.5	8.3	8.2	8.0
75°	10.0	9.8	9.7	9.6	9.5	9.3	9.2	9.0	8.9	8.7	8.6
73.75°	10.6	10.5	10.3	10.2	10.1	9.9	9.8	9.6	9.5	9.3	9.1
72.5°	11.2	11.1	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.9	9.7
71.25°	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.7	10.6	10.4	10.2
70°	12.4	12.3	12.1	11.9	11.8	11.6	11.4	11.3	11.1	10.9	10.7
68.75°	13.0	12.9	12.7	12.5	12.4	12.2	12.0	11.8	11.6	11.4	11.2
67.5°	14.3	14.0	13.6	13.2	12.9	12.7	12.5	12.3	12.1	11.9	11.7
66.25°	15.6	15.2	14.8	14.4	14.0	13.6	13.2	12.9	12.6	12.4	12.2
65°	16.7	16.4	16.0	15.6	15.2	14.7	14.3	13.8	13.3	12.9	12.7
63.75°	17.8	17.4	17.1	16.7	16.3	15.9	15.4	14.9	14.4	13.9	13.4
62.5°	18.9	18.5	18.1	17.7	17.3	16.9	16.4	16.0	15.5	14.9	14.4
61.25°	20.3	19.8	19.2	18.7	18.3	17.9	17.4	16.9	16.5	16.0	15.4
60°	21.6	21.1	20.5	20.0	19.4	18.8	18.3	17.9	17.4	16.9	16.3
58.75°	22.8	22.4	21.8	21.3	20.7	20.0	19.4	18.8	18.3	17.7	17.2
57.5°	23.9	23.4	22.9	22.4	21.9	21.3	20.6	19.9	19.3	18.6	18.1
56.25°	24.9	24.4	23.9	23.4	22.9	22.4	21.8	21.1	20.4	19.7	18.9
55°	25.8	25.4	24.9	24.4	23.9	23.3	22.8	22.2	21.5	20.7	20.0
53.75°	26.7	26.3	25.8	25.3	24.9	24.3	23.7	23.1	22.5	21.8	21.0
52.5°	27.4	27.1	26.6	26.2	25.7	25.2	24.6	24.0	23.4	22.7	22.1
51.25°	28.0	27.7	27.4	27.0	26.5	26.0	25.4	24.9	24.2	23.6	22.9
50°	28.6	28.3	27.9	27.6	27.3	26.7	26.2	25.6	25.1	24.4	23.7
48.75°	29.3	28.8	28.5	28.1	27.8	27.4	26.9	26.4	25.8	25.2	24.5
47.5°	30.0	29.5	29.1	28.6	28.3	27.9	27.5	27.1	26.5	25.9	25.2
46.25°	30.7	30.2	29.8	29.3	28.8	28.4	28.0	27.6	27.2	26.5	25.9
45°	31.2	30.9	30.4	29.9	29.4	28.9	28.5	28.1	27.6	27.2	26.5
43.75°	31.8	31.4	31.0	30.6	30.1	29.5	29.0	28.5	28.1	27.6	27.2
42.5°	32.4	32.0	31.5	31.1	30.7	30.1	29.6	29.0	28.5	28.1	27.6
41.25°	32.9	32.5	32.1	31.6	31.2	30.7	30.2	29.6	29.0	28.5	28.0
40°	33.4	33.0	32.6	32.2	31.7	31.2	30.7	30.1	29.5	28.9	28.4
38.75°	34.2	33.5	33.1	32.6	32.2	31.7	31.2	30.7	30.1	29.4	28.8
37.5°	35.2	34.3	33.6	33.1	32.6	32.2	31.6	31.1	30.6	29.9	29.3
36.25°	36.2	35.3	34.4	33.6	33.1	32.6	32.1	31.5	31.0	30.4	29.8
35°	38.2	36.3	35.3	34.3	33.5	33.0	32.5	32.0	31.4	30.9	30.2



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	41.1	38.2	36.2	35.2	34.2	33.4	32.9	32.4	31.8	31.2	30.7
32.5°	43.8	40.9	38.0	36.1	35.1	34.0	33.3	32.8	32.2	31.6	31.0
31.25°	47.4	43.6	40.5	37.4	35.9	34.8	33.7	33.1	32.6	32.0	31.4
30°	52.0	46.6	43.0	39.9	36.7	35.6	34.5	33.5	32.9	32.4	31.7
28.75°	56.6	51.1	45.5	42.2	38.9	36.3	35.2	34.0	33.3	32.7	32.1
27.5°	61.0	55.4	49.6	44.5	41.2	37.8	35.9	34.7	33.6	33.0	32.4
26.25°	65.5	59.5	53.7	47.7	43.3	39.9	36.6	35.4	34.2	33.3	32.7
25°	69.9	63.7	57.6	51.5	45.4	41.9	38.3	36.0	34.8	33.6	33.0
23.75°	74.1	67.8	61.4	55.1	48.9	43.8	40.2	36.6	35.4	34.1	33.3
22.5°	78.5	71.7	65.1	58.7	52.3	45.8	42.0	38.2	35.9	34.6	33.5
21.25°	83.5	75.4	68.8	62.1	55.5	48.9	43.7	39.9	36.5	35.2	33.9
20°	88.3	79.6	72.2	65.4	58.6	51.9	45.3	41.5	37.6	35.7	34.3
18.75°	92.9	84.1	75.5	68.6	61.6	54.7	47.9	43.0	39.0	36.1	34.8
17.5°	97.3	88.3	79.2	71.6	64.5	57.4	50.5	44.4	40.4	36.6	35.2
16.25°	101.4	92.2	83.0	74.4	67.2	59.9	52.9	45.9	41.7	37.6	35.6
15°	105.3	96.0	86.6	77.1	69.7	62.3	55.2	48.0	42.8	38.7	36.0
13.75°	108.9	99.4	89.9	80.3	72.1	64.6	57.3	50.0	44.0	39.8	36.3
12.5°	112.2	102.6	92.9	83.2	74.3	66.7	59.2	51.9	45.0	40.8	36.7
11.25°	115.3	105.5	95.7	85.9	76.2	68.6	61.0	53.6	46.2	41.7	37.4
10°	118.0	108.2	98.3	88.3	78.4	70.3	62.6	55.1	47.6	42.5	38.2
8.75°	121.3	110.5	100.5	90.5	80.4	71.9	64.1	56.4	48.9	43.2	38.9
7.5°	124.1	112.6	102.5	92.3	82.2	73.2	65.3	57.6	50.1	43.8	39.5
6.25°	126.6	114.3	104.1	93.9	83.8	74.3	66.4	58.6	51.0	44.3	40.0
5°	128.6	115.7	105.5	95.3	85.0	75.2	67.3	59.4	51.8	44.7	40.4
3.75°	130.2	116.9	106.6	96.3	86.0	76.0	68.0	60.1	52.4	45.1	40.7
2.5°	131.3	117.7	107.3	97.0	86.7	76.5	68.5	60.5	52.8	45.3	40.9
1.25°	132.0	118.1	107.8	97.5	87.1	76.8	68.8	60.8	53.1	45.5	41.1
0°	132.3	118.3	108.0	97.6	87.3	76.9	68.9	60.9	53.2	45.5	41.1
-1.25°	132.0	118.1	107.8	97.5	87.1	76.8	68.8	60.8	53.1	45.5	41.1
-2.5°	131.3	117.7	107.3	97.0	86.7	76.5	68.5	60.5	52.8	45.3	40.9
-3.75°	130.2	116.9	106.6	96.3	86.0	76.0	68.0	60.1	52.4	45.1	40.7
-5°	128.6	115.7	105.5	95.3	85.0	75.2	67.3	59.4	51.8	44.7	40.4
-6.25°	126.6	114.3	104.1	93.9	83.8	74.3	66.4	58.6	51.0	44.3	40.0
-7.5°	124.1	112.6	102.5	92.3	82.2	73.2	65.3	57.6	50.1	43.8	39.5
-8.75°	121.3	110.5	100.5	90.5	80.4	71.9	64.1	56.4	48.9	43.2	38.9
-10°	118.0	108.2	98.3	88.3	78.4	70.3	62.6	55.1	47.6	42.5	38.2
-11.25°	115.3	105.5	95.7	85.9	76.2	68.6	61.0	53.6	46.2	41.7	37.4
-12.5°	112.2	102.6	92.9	83.2	74.3	66.7	59.2	51.9	45.0	40.8	36.7
-13.75°	108.9	99.4	89.9	80.3	72.1	64.6	57.3	50.0	44.0	39.8	36.3
-15°	105.3	96.0	86.6	77.1	69.7	62.3	55.2	48.0	42.8	38.7	36.0
-16.25°	101.4	92.2	83.0	74.4	67.2	59.9	52.9	45.9	41.7	37.6	35.6
-17.5°	97.3	88.3	79.2	71.6	64.5	57.4	50.5	44.4	40.4	36.6	35.2
-18.75°	92.9	84.1	75.5	68.6	61.6	54.7	47.9	43.0	39.0	36.1	34.8
-20°	88.3	79.6	72.2	65.4	58.6	51.9	45.3	41.5	37.6	35.7	34.3
-21.25°	83.5	75.4	68.8	62.1	55.5	48.9	43.7	39.9	36.5	35.2	33.9



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	78.5	71.7	65.1	58.7	52.3	45.8	42.0	38.2	35.9	34.6	33.5
-23.75°	74.1	67.8	61.4	55.1	48.9	43.8	40.2	36.6	35.4	34.1	33.3
-25°	69.9	63.7	57.6	51.5	45.4	41.9	38.3	36.0	34.8	33.6	33.0
-26.25°	65.5	59.5	53.7	47.7	43.3	39.9	36.6	35.4	34.2	33.3	32.7
-27.5°	61.0	55.4	49.6	44.5	41.2	37.8	35.9	34.7	33.6	33.0	32.4
-28.75°	56.6	51.1	45.5	42.2	38.9	36.3	35.2	34.0	33.3	32.7	32.1
-30°	52.0	46.6	43.0	39.9	36.7	35.6	34.5	33.5	32.9	32.4	31.7
-31.25°	47.4	43.6	40.5	37.4	35.9	34.8	33.7	33.1	32.6	32.0	31.4
-32.5°	43.8	40.9	38.0	36.1	35.1	34.0	33.3	32.8	32.2	31.6	31.0
-33.75°	41.1	38.2	36.2	35.2	34.2	33.4	32.9	32.4	31.8	31.2	30.7
-35°	38.2	36.3	35.3	34.3	33.5	33.0	32.5	32.0	31.4	30.9	30.2
-36.25°	36.2	35.3	34.4	33.6	33.1	32.6	32.1	31.5	31.0	30.4	29.8
-37.5°	35.2	34.3	33.6	33.1	32.6	32.2	31.6	31.1	30.6	29.9	29.3
-38.75°	34.2	33.5	33.1	32.6	32.2	31.7	31.2	30.7	30.1	29.4	28.8
-40°	33.4	33.0	32.6	32.2	31.7	31.2	30.7	30.1	29.5	28.9	28.4
-41.25°	32.9	32.5	32.1	31.6	31.2	30.7	30.2	29.6	29.0	28.5	28.0
-42.5°	32.4	32.0	31.5	31.1	30.7	30.1	29.6	29.0	28.5	28.1	27.6
-43.75°	31.8	31.4	31.0	30.6	30.1	29.5	29.0	28.5	28.1	27.6	27.2
-45°	31.2	30.9	30.4	29.9	29.4	28.9	28.5	28.1	27.6	27.2	26.5
-46.25°	30.7	30.2	29.8	29.3	28.8	28.4	28.0	27.6	27.2	26.5	25.9
-47.5°	30.0	29.5	29.1	28.6	28.3	27.9	27.5	27.1	26.5	25.9	25.2
-48.75°	29.3	28.8	28.5	28.1	27.8	27.4	26.9	26.4	25.8	25.2	24.5
-50°	28.6	28.3	27.9	27.6	27.3	26.7	26.2	25.6	25.1	24.4	23.7
-51.25°	28.0	27.7	27.4	27.0	26.5	26.0	25.4	24.9	24.2	23.6	22.9
-52.5°	27.4	27.1	26.6	26.2	25.7	25.2	24.6	24.0	23.4	22.7	22.1
-53.75°	26.7	26.3	25.8	25.3	24.9	24.3	23.7	23.1	22.5	21.8	21.0
-55°	25.8	25.4	24.9	24.4	23.9	23.3	22.8	22.2	21.5	20.7	20.0
-56.25°	24.9	24.4	23.9	23.4	22.9	22.4	21.8	21.1	20.4	19.7	18.9
-57.5°	23.9	23.4	22.9	22.4	21.9	21.3	20.6	19.9	19.3	18.6	18.1
-58.75°	22.8	22.4	21.8	21.3	20.7	20.0	19.4	18.8	18.3	17.7	17.2
-60°	21.6	21.1	20.5	20.0	19.4	18.8	18.3	17.9	17.4	16.9	16.3
-61.25°	20.3	19.8	19.2	18.7	18.3	17.9	17.4	16.9	16.5	16.0	15.4
-62.5°	18.9	18.5	18.1	17.7	17.3	16.9	16.4	16.0	15.5	14.9	14.4
-63.75°	17.8	17.4	17.1	16.7	16.3	15.9	15.4	14.9	14.4	13.9	13.4
-65°	16.7	16.4	16.0	15.6	15.2	14.7	14.3	13.8	13.3	12.9	12.7
-66.25°	15.6	15.2	14.8	14.4	14.0	13.6	13.2	12.9	12.6	12.4	12.2
-67.5°	14.3	14.0	13.6	13.2	12.9	12.7	12.5	12.3	12.1	11.9	11.7
-68.75°	13.0	12.9	12.7	12.5	12.4	12.2	12.0	11.8	11.6	11.4	11.2
-70°	12.4	12.3	12.1	11.9	11.8	11.6	11.4	11.3	11.1	10.9	10.7
-71.25°	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.7	10.6	10.4	10.2
-72.5°	11.2	11.1	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.9	9.7
-73.75°	10.6	10.5	10.3	10.2	10.1	9.9	9.8	9.6	9.5	9.3	9.1
-75°	10.0	9.8	9.7	9.6	9.5	9.3	9.2	9.0	8.9	8.7	8.6
-76.25°	9.3	9.2	9.1	9.0	8.8	8.7	8.6	8.5	8.3	8.2	8.0
-77.5°	8.6	8.5	8.4	8.3	8.2	8.1	7.9	7.8	7.6	7.5	7.3



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.8	6.7
-80°	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.2	6.1	5.9
-81.25°	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.3	5.2
-82.5°	5.3	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
-83.75°	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.7	3.7	3.6
-85°	3.4	3.4	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8
-86.25°	2.5	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.0	2.0
-87.5°	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3
-88.75°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
87.5°	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9
86.25°	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
85°	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.9
83.75°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
82.5°	4.3	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.0
81.25°	5.0	4.9	4.8	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6
80°	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2
78.75°	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.8
77.5°	7.2	7.0	6.9	6.7	6.6	6.4	6.2	6.0	5.7	5.5	5.3
76.25°	7.8	7.7	7.5	7.3	7.1	6.9	6.8	6.6	6.4	6.1	5.9
75°	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.4
73.75°	9.0	8.8	8.6	8.5	8.3	8.0	7.8	7.6	7.4	7.1	6.9
72.5°	9.5	9.3	9.1	8.9	8.8	8.6	8.3	8.1	7.9	7.6	7.4
71.25°	10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8
70°	10.5	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.8	8.5	8.3
68.75°	11.0	10.8	10.6	10.4	10.1	9.9	9.7	9.4	9.2	8.9	8.7
67.5°	11.5	11.3	11.0	10.8	10.6	10.3	10.1	9.9	9.6	9.3	9.1
66.25°	12.0	11.7	11.5	11.3	11.0	10.8	10.5	10.3	10.0	9.7	9.4
65°	12.5	12.2	12.0	11.7	11.4	11.2	10.9	10.6	10.4	10.1	9.8
63.75°	12.9	12.7	12.4	12.1	11.9	11.6	11.3	11.0	10.7	10.5	10.2
62.5°	13.8	13.3	12.9	12.6	12.3	12.0	11.7	11.4	11.1	10.8	10.5
61.25°	14.8	14.2	13.6	13.0	12.7	12.4	12.1	11.8	11.5	11.2	10.8
60°	15.8	15.2	14.5	13.9	13.3	12.8	12.5	12.2	11.9	11.5	11.2
58.75°	16.7	16.1	15.5	14.8	14.1	13.5	12.9	12.6	12.2	11.9	11.5
57.5°	17.5	16.9	16.3	15.7	15.0	14.3	13.6	12.9	12.6	12.2	11.9
56.25°	18.3	17.7	17.1	16.5	15.8	15.1	14.3	13.6	12.9	12.6	12.2
55°	19.2	18.5	17.9	17.2	16.6	15.9	15.1	14.3	13.6	12.9	12.5
53.75°	20.2	19.4	18.6	18.0	17.3	16.6	15.9	15.1	14.3	13.5	12.8
52.5°	21.2	20.4	19.5	18.7	18.0	17.3	16.6	15.8	15.0	14.1	13.3
51.25°	22.2	21.3	20.5	19.6	18.7	18.0	17.2	16.5	15.7	14.8	13.9
50°	23.0	22.3	21.4	20.5	19.5	18.6	17.9	17.1	16.3	15.5	14.5
48.75°	23.8	23.0	22.3	21.3	20.4	19.4	18.5	17.7	16.9	16.1	15.2
47.5°	24.5	23.8	23.0	22.2	21.2	20.2	19.2	18.3	17.5	16.7	15.8
46.25°	25.2	24.5	23.7	22.9	22.1	21.0	20.0	18.9	18.1	17.2	16.3
45°	25.9	25.2	24.4	23.6	22.7	21.8	20.7	19.7	18.6	17.7	16.9
43.75°	26.5	25.8	25.1	24.2	23.4	22.5	21.5	20.4	19.3	18.3	17.4
42.5°	27.1	26.4	25.6	24.9	24.0	23.1	22.2	21.1	19.9	18.8	17.9
41.25°	27.5	26.9	26.2	25.4	24.6	23.7	22.8	21.8	20.6	19.4	18.3
40°	27.9	27.4	26.7	26.0	25.2	24.3	23.3	22.4	21.3	20.0	18.8
38.75°	28.3	27.8	27.3	26.5	25.7	24.9	23.9	22.9	21.9	20.7	19.4
37.5°	28.6	28.1	27.6	27.0	26.2	25.3	24.4	23.4	22.4	21.3	20.0
36.25°	29.1	28.5	27.9	27.4	26.6	25.8	24.9	23.9	22.9	21.8	20.5
35°	29.5	28.8	28.3	27.7	27.1	26.3	25.4	24.4	23.4	22.4	21.1



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	30.0	29.3	28.6	28.0	27.4	26.7	25.8	24.9	23.9	22.8	21.6
32.5°	30.4	29.7	28.9	28.3	27.7	27.1	26.2	25.3	24.3	23.2	22.1
31.25°	30.8	30.1	29.3	28.6	28.0	27.4	26.6	25.7	24.7	23.6	22.5
30°	31.1	30.5	29.7	28.9	28.3	27.7	27.0	26.1	25.1	24.0	22.9
28.75°	31.4	30.8	30.1	29.3	28.6	27.9	27.3	26.4	25.5	24.4	23.3
27.5°	31.8	31.1	30.4	29.6	28.8	28.2	27.5	26.8	25.8	24.8	23.6
26.25°	32.1	31.4	30.7	30.0	29.1	28.4	27.8	27.1	26.1	25.1	24.0
25°	32.4	31.7	31.0	30.3	29.4	28.6	28.0	27.3	26.4	25.4	24.3
23.75°	32.6	32.0	31.3	30.6	29.7	28.9	28.2	27.5	26.7	25.7	24.6
22.5°	32.9	32.2	31.5	30.8	30.0	29.2	28.4	27.7	27.0	25.9	24.9
21.25°	33.1	32.5	31.8	31.0	30.3	29.4	28.6	27.9	27.2	26.2	25.2
20°	33.3	32.7	32.0	31.3	30.5	29.7	28.8	28.1	27.4	26.4	25.4
18.75°	33.6	32.9	32.2	31.5	30.7	29.9	29.0	28.2	27.5	26.7	25.6
17.5°	33.8	33.1	32.4	31.7	30.9	30.1	29.2	28.4	27.7	26.9	25.8
16.25°	34.2	33.3	32.6	31.8	31.1	30.3	29.4	28.5	27.8	27.1	26.0
15°	34.6	33.4	32.7	32.0	31.3	30.5	29.6	28.7	28.0	27.2	26.2
13.75°	34.9	33.6	32.9	32.2	31.4	30.6	29.7	28.8	28.1	27.4	26.3
12.5°	35.2	33.8	33.0	32.3	31.5	30.8	29.9	29.0	28.2	27.5	26.5
11.25°	35.5	34.0	33.1	32.4	31.7	30.9	30.0	29.1	28.3	27.6	26.6
10°	35.7	34.3	33.3	32.5	31.8	31.0	30.1	29.2	28.4	27.6	26.7
8.75°	36.0	34.5	33.4	32.6	31.9	31.1	30.2	29.3	28.4	27.7	26.8
7.5°	36.2	34.7	33.5	32.7	32.0	31.2	30.3	29.4	28.5	27.8	26.9
6.25°	36.3	34.8	33.5	32.8	32.0	31.2	30.4	29.5	28.6	27.8	27.0
5°	36.5	35.0	33.6	32.8	32.1	31.3	30.5	29.5	28.6	27.9	27.1
3.75°	36.6	35.1	33.6	32.9	32.1	31.3	30.5	29.6	28.7	27.9	27.1
2.5°	36.6	35.1	33.7	32.9	32.2	31.4	30.6	29.6	28.7	27.9	27.2
1.25°	36.7	35.2	33.7	32.9	32.2	31.4	30.6	29.6	28.7	27.9	27.2
0°	36.7	35.2	33.7	33.0	32.2	31.4	30.6	29.7	28.7	28.0	27.2
-1.25°	36.7	35.2	33.7	32.9	32.2	31.4	30.6	29.6	28.7	27.9	27.2
-2.5°	36.6	35.1	33.7	32.9	32.2	31.4	30.6	29.6	28.7	27.9	27.2
-3.75°	36.6	35.1	33.6	32.9	32.1	31.3	30.5	29.6	28.7	27.9	27.1
-5°	36.5	35.0	33.6	32.8	32.1	31.3	30.5	29.5	28.6	27.9	27.1
-6.25°	36.3	34.8	33.5	32.8	32.0	31.2	30.4	29.5	28.6	27.8	27.0
-7.5°	36.2	34.7	33.5	32.7	32.0	31.2	30.3	29.4	28.5	27.8	26.9
-8.75°	36.0	34.5	33.4	32.6	31.9	31.1	30.2	29.3	28.4	27.7	26.8
-10°	35.7	34.3	33.3	32.5	31.8	31.0	30.1	29.2	28.4	27.6	26.7
-11.25°	35.5	34.0	33.1	32.4	31.7	30.9	30.0	29.1	28.3	27.6	26.6
-12.5°	35.2	33.8	33.0	32.3	31.5	30.8	29.9	29.0	28.2	27.5	26.5
-13.75°	34.9	33.6	32.9	32.2	31.4	30.6	29.7	28.8	28.1	27.4	26.3
-15°	34.6	33.4	32.7	32.0	31.3	30.5	29.6	28.7	28.0	27.2	26.2
-16.25°	34.2	33.3	32.6	31.8	31.1	30.3	29.4	28.5	27.8	27.1	26.0
-17.5°	33.8	33.1	32.4	31.7	30.9	30.1	29.2	28.4	27.7	26.9	25.8
-18.75°	33.6	32.9	32.2	31.5	30.7	29.9	29.0	28.2	27.5	26.7	25.6
-20°	33.3	32.7	32.0	31.3	30.5	29.7	28.8	28.1	27.4	26.4	25.4
-21.25°	33.1	32.5	31.8	31.0	30.3	29.4	28.6	27.9	27.2	26.2	25.2



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CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	32.9	32.2	31.5	30.8	30.0	29.2	28.4	27.7	27.0	25.9	24.9
-23.75°	32.6	32.0	31.3	30.6	29.7	28.9	28.2	27.5	26.7	25.7	24.6
-25°	32.4	31.7	31.0	30.3	29.4	28.6	28.0	27.3	26.4	25.4	24.3
-26.25°	32.1	31.4	30.7	30.0	29.1	28.4	27.8	27.1	26.1	25.1	24.0
-27.5°	31.8	31.1	30.4	29.6	28.8	28.2	27.5	26.8	25.8	24.8	23.6
-28.75°	31.4	30.8	30.1	29.3	28.6	27.9	27.3	26.4	25.5	24.4	23.3
-30°	31.1	30.5	29.7	28.9	28.3	27.7	27.0	26.1	25.1	24.0	22.9
-31.25°	30.8	30.1	29.3	28.6	28.0	27.4	26.6	25.7	24.7	23.6	22.5
-32.5°	30.4	29.7	28.9	28.3	27.7	27.1	26.2	25.3	24.3	23.2	22.1
-33.75°	30.0	29.3	28.6	28.0	27.4	26.7	25.8	24.9	23.9	22.8	21.6
-35°	29.5	28.8	28.3	27.7	27.1	26.3	25.4	24.4	23.4	22.4	21.1
-36.25°	29.1	28.5	27.9	27.4	26.6	25.8	24.9	23.9	22.9	21.8	20.5
-37.5°	28.6	28.1	27.6	27.0	26.2	25.3	24.4	23.4	22.4	21.3	20.0
-38.75°	28.3	27.8	27.3	26.5	25.7	24.9	23.9	22.9	21.9	20.7	19.4
-40°	27.9	27.4	26.7	26.0	25.2	24.3	23.3	22.4	21.3	20.0	18.8
-41.25°	27.5	26.9	26.2	25.4	24.6	23.7	22.8	21.8	20.6	19.4	18.3
-42.5°	27.1	26.4	25.6	24.9	24.0	23.1	22.2	21.1	19.9	18.8	17.9
-43.75°	26.5	25.8	25.1	24.2	23.4	22.5	21.5	20.4	19.3	18.3	17.4
-45°	25.9	25.2	24.4	23.6	22.7	21.8	20.7	19.7	18.6	17.7	16.9
-46.25°	25.2	24.5	23.7	22.9	22.1	21.0	20.0	18.9	18.1	17.2	16.3
-47.5°	24.5	23.8	23.0	22.2	21.2	20.2	19.2	18.3	17.5	16.7	15.8
-48.75°	23.8	23.0	22.3	21.3	20.4	19.4	18.5	17.7	16.9	16.1	15.2
-50°	23.0	22.3	21.4	20.5	19.5	18.6	17.9	17.1	16.3	15.5	14.5
-51.25°	22.2	21.3	20.5	19.6	18.7	18.0	17.2	16.5	15.7	14.8	13.9
-52.5°	21.2	20.4	19.5	18.7	18.0	17.3	16.6	15.8	15.0	14.1	13.3
-53.75°	20.2	19.4	18.6	18.0	17.3	16.6	15.9	15.1	14.3	13.5	12.8
-55°	19.2	18.5	17.9	17.2	16.6	15.9	15.1	14.3	13.6	12.9	12.5
-56.25°	18.3	17.7	17.1	16.5	15.8	15.1	14.3	13.6	12.9	12.6	12.2
-57.5°	17.5	16.9	16.3	15.7	15.0	14.3	13.6	12.9	12.6	12.2	11.9
-58.75°	16.7	16.1	15.5	14.8	14.1	13.5	12.9	12.6	12.2	11.9	11.5
-60°	15.8	15.2	14.5	13.9	13.3	12.8	12.5	12.2	11.9	11.5	11.2
-61.25°	14.8	14.2	13.6	13.0	12.7	12.4	12.1	11.8	11.5	11.2	10.8
-62.5°	13.8	13.3	12.9	12.6	12.3	12.0	11.7	11.4	11.1	10.8	10.5
-63.75°	12.9	12.7	12.4	12.1	11.9	11.6	11.3	11.0	10.7	10.5	10.2
-65°	12.5	12.2	12.0	11.7	11.4	11.2	10.9	10.6	10.4	10.1	9.8
-66.25°	12.0	11.7	11.5	11.3	11.0	10.8	10.5	10.3	10.0	9.7	9.4
-67.5°	11.5	11.3	11.0	10.8	10.6	10.3	10.1	9.9	9.6	9.3	9.1
-68.75°	11.0	10.8	10.6	10.4	10.1	9.9	9.7	9.4	9.2	8.9	8.7
-70°	10.5	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.8	8.5	8.3
-71.25°	10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8
-72.5°	9.5	9.3	9.1	8.9	8.8	8.6	8.3	8.1	7.9	7.6	7.4
-73.75°	9.0	8.8	8.6	8.5	8.3	8.0	7.8	7.6	7.4	7.1	6.9
-75°	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.4
-76.25°	7.8	7.7	7.5	7.3	7.1	6.9	6.8	6.6	6.4	6.1	5.9
-77.5°	7.2	7.0	6.9	6.7	6.6	6.4	6.2	6.0	5.7	5.5	5.3



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CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.8
-80°	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2
-81.25°	5.0	4.9	4.8	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6
-82.5°	4.3	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.0
-83.75°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
-85°	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.9
-86.25°	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
-87.5°	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
87.5°	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5
86.25°	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8
85°	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.1	1.1
83.75°	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
82.5°	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.6
81.25°	3.5	3.3	3.1	3.0	2.8	2.7	2.5	2.3	2.2	2.0	1.9
80°	4.0	3.8	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.2
78.75°	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.1	2.9	2.7	2.5
77.5°	5.1	4.9	4.7	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.8
76.25°	5.6	5.4	5.2	4.9	4.7	4.4	4.1	3.9	3.6	3.4	3.1
75°	6.2	5.9	5.6	5.4	5.1	4.8	4.6	4.3	4.0	3.7	3.4
73.75°	6.7	6.4	6.1	5.8	5.6	5.3	5.0	4.7	4.3	4.0	3.7
72.5°	7.1	6.9	6.6	6.3	6.0	5.7	5.4	5.0	4.7	4.4	4.0
71.25°	7.6	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.1	4.7	4.3
70°	8.0	7.7	7.4	7.1	6.8	6.5	6.2	5.8	5.4	5.0	4.7
68.75°	8.4	8.1	7.8	7.5	7.2	6.9	6.5	6.2	5.8	5.4	5.0
67.5°	8.8	8.5	8.2	7.9	7.5	7.2	6.9	6.5	6.1	5.7	5.3
66.25°	9.1	8.9	8.6	8.2	7.9	7.5	7.2	6.8	6.4	6.0	5.6
65°	9.5	9.2	8.9	8.6	8.2	7.9	7.5	7.1	6.7	6.3	5.8
63.75°	9.9	9.5	9.2	8.9	8.6	8.2	7.8	7.4	7.0	6.6	6.1
62.5°	10.2	9.9	9.5	9.2	8.9	8.5	8.1	7.7	7.3	6.9	6.4
61.25°	10.5	10.2	9.9	9.5	9.1	8.8	8.4	8.0	7.6	7.1	6.7
60°	10.8	10.5	10.2	9.8	9.4	9.1	8.7	8.3	7.8	7.4	6.9
58.75°	11.2	10.8	10.5	10.1	9.7	9.3	8.9	8.5	8.1	7.6	7.1
57.5°	11.5	11.1	10.7	10.4	10.0	9.6	9.2	8.8	8.4	7.9	7.4
56.25°	11.8	11.4	11.0	10.6	10.3	9.9	9.4	9.0	8.6	8.1	7.6
55°	12.1	11.7	11.3	10.9	10.5	10.1	9.7	9.2	8.8	8.3	7.8
53.75°	12.4	12.0	11.6	11.2	10.8	10.3	9.9	9.5	9.0	8.6	8.0
52.5°	12.7	12.3	11.9	11.4	11.0	10.6	10.1	9.7	9.2	8.8	8.3
51.25°	13.0	12.6	12.1	11.7	11.3	10.8	10.4	9.9	9.4	8.9	8.5
50°	13.6	12.9	12.4	12.0	11.5	11.0	10.6	10.1	9.6	9.1	8.6
48.75°	14.2	13.3	12.7	12.2	11.7	11.3	10.8	10.3	9.8	9.3	8.8
47.5°	14.8	13.8	12.9	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.0
46.25°	15.4	14.4	13.4	12.7	12.2	11.7	11.2	10.7	10.2	9.7	9.1
45°	16.0	14.9	13.9	12.9	12.4	11.9	11.4	10.9	10.4	9.9	9.3
43.75°	16.5	15.5	14.4	13.3	12.6	12.1	11.6	11.1	10.6	10.0	9.5
42.5°	16.9	16.0	14.9	13.8	12.9	12.3	11.8	11.3	10.7	10.2	9.6
41.25°	17.4	16.4	15.4	14.3	13.2	12.5	12.0	11.4	10.9	10.3	9.8
40°	17.9	16.9	15.9	14.7	13.6	12.7	12.2	11.6	11.1	10.5	9.9
38.75°	18.3	17.3	16.3	15.2	14.0	12.9	12.4	11.8	11.2	10.6	10.1
37.5°	18.7	17.7	16.7	15.6	14.4	13.2	12.5	11.9	11.4	10.8	10.2
36.25°	19.2	18.1	17.1	16.0	14.8	13.6	12.7	12.1	11.5	10.9	10.3
35°	19.8	18.5	17.4	16.4	15.2	14.0	12.9	12.3	11.7	11.1	10.5



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	20.3	18.9	17.8	16.7	15.6	14.3	13.0	12.4	11.8	11.2	10.6
32.5°	20.7	19.4	18.2	17.1	15.9	14.6	13.4	12.6	11.9	11.3	10.7
31.25°	21.2	19.8	18.5	17.4	16.3	15.0	13.7	12.7	12.1	11.4	10.8
30°	21.7	20.3	18.8	17.7	16.5	15.3	14.0	12.8	12.2	11.6	10.9
28.75°	22.1	20.7	19.2	18.0	16.8	15.6	14.3	13.0	12.3	11.7	11.0
27.5°	22.5	21.1	19.6	18.3	17.1	15.9	14.6	13.2	12.4	11.8	11.1
26.25°	22.8	21.5	20.0	18.6	17.4	16.2	14.8	13.5	12.6	11.9	11.2
25°	23.1	21.8	20.3	18.8	17.6	16.4	15.1	13.7	12.7	12.0	11.3
23.75°	23.4	22.2	20.7	19.1	17.9	16.6	15.3	13.9	12.8	12.1	11.4
22.5°	23.7	22.5	21.0	19.5	18.1	16.9	15.6	14.1	12.9	12.2	11.5
21.25°	24.0	22.7	21.3	19.7	18.3	17.1	15.8	14.3	13.0	12.3	11.6
20°	24.2	23.0	21.6	20.0	18.5	17.3	16.0	14.5	13.1	12.3	11.6
18.75°	24.5	23.2	21.9	20.3	18.7	17.4	16.2	14.7	13.3	12.4	11.7
17.5°	24.7	23.4	22.1	20.5	18.9	17.6	16.3	14.9	13.4	12.5	11.8
16.25°	24.9	23.6	22.3	20.8	19.1	17.8	16.5	15.1	13.6	12.6	11.9
15°	25.1	23.8	22.5	21.0	19.3	17.9	16.6	15.2	13.7	12.6	11.9
13.75°	25.2	24.0	22.7	21.2	19.5	18.1	16.8	15.4	13.9	12.7	12.0
12.5°	25.4	24.1	22.8	21.3	19.7	18.2	16.9	15.5	14.0	12.7	12.0
11.25°	25.5	24.3	23.0	21.5	19.8	18.3	17.0	15.6	14.1	12.8	12.1
10°	25.6	24.4	23.1	21.6	20.0	18.4	17.1	15.7	14.2	12.8	12.1
8.75°	25.7	24.5	23.2	21.8	20.1	18.5	17.2	15.8	14.3	12.9	12.1
7.5°	25.8	24.6	23.3	21.9	20.2	18.6	17.2	15.9	14.3	12.9	12.2
6.25°	25.9	24.7	23.4	22.0	20.3	18.6	17.3	15.9	14.4	12.9	12.2
5°	25.9	24.8	23.4	22.1	20.4	18.7	17.4	16.0	14.5	13.0	12.2
3.75°	26.0	24.8	23.5	22.1	20.4	18.7	17.4	16.0	14.5	13.0	12.2
2.5°	26.0	24.9	23.5	22.2	20.5	18.8	17.4	16.1	14.5	13.0	12.2
1.25°	26.0	24.9	23.5	22.2	20.5	18.8	17.4	16.1	14.5	13.0	12.2
0°	26.1	24.9	23.6	22.2	20.5	18.8	17.5	16.1	14.6	13.0	12.3
-1.25°	26.0	24.9	23.5	22.2	20.5	18.8	17.4	16.1	14.5	13.0	12.2
-2.5°	26.0	24.9	23.5	22.2	20.5	18.8	17.4	16.1	14.5	13.0	12.2
-3.75°	26.0	24.8	23.5	22.1	20.4	18.7	17.4	16.0	14.5	13.0	12.2
-5°	25.9	24.8	23.4	22.1	20.4	18.7	17.4	16.0	14.5	13.0	12.2
-6.25°	25.9	24.7	23.4	22.0	20.3	18.6	17.3	15.9	14.4	12.9	12.2
-7.5°	25.8	24.6	23.3	21.9	20.2	18.6	17.2	15.9	14.3	12.9	12.2
-8.75°	25.7	24.5	23.2	21.8	20.1	18.5	17.2	15.8	14.3	12.9	12.1
-10°	25.6	24.4	23.1	21.6	20.0	18.4	17.1	15.7	14.2	12.8	12.1
-11.25°	25.5	24.3	23.0	21.5	19.8	18.3	17.0	15.6	14.1	12.8	12.1
-12.5°	25.4	24.1	22.8	21.3	19.7	18.2	16.9	15.5	14.0	12.7	12.0
-13.75°	25.2	24.0	22.7	21.2	19.5	18.1	16.8	15.4	13.9	12.7	12.0
-15°	25.1	23.8	22.5	21.0	19.3	17.9	16.6	15.2	13.7	12.6	11.9
-16.25°	24.9	23.6	22.3	20.8	19.1	17.8	16.5	15.1	13.6	12.6	11.9
-17.5°	24.7	23.4	22.1	20.5	18.9	17.6	16.3	14.9	13.4	12.5	11.8
-18.75°	24.5	23.2	21.9	20.3	18.7	17.4	16.2	14.7	13.3	12.4	11.7
-20°	24.2	23.0	21.6	20.0	18.5	17.3	16.0	14.5	13.1	12.3	11.6
-21.25°	24.0	22.7	21.3	19.7	18.3	17.1	15.8	14.3	13.0	12.3	11.6



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	23.7	22.5	21.0	19.5	18.1	16.9	15.6	14.1	12.9	12.2	11.5
-23.75°	23.4	22.2	20.7	19.1	17.9	16.6	15.3	13.9	12.8	12.1	11.4
-25°	23.1	21.8	20.3	18.8	17.6	16.4	15.1	13.7	12.7	12.0	11.3
-26.25°	22.8	21.5	20.0	18.6	17.4	16.2	14.8	13.5	12.6	11.9	11.2
-27.5°	22.5	21.1	19.6	18.3	17.1	15.9	14.6	13.2	12.4	11.8	11.1
-28.75°	22.1	20.7	19.2	18.0	16.8	15.6	14.3	13.0	12.3	11.7	11.0
-30°	21.7	20.3	18.8	17.7	16.5	15.3	14.0	12.8	12.2	11.6	10.9
-31.25°	21.2	19.8	18.5	17.4	16.3	15.0	13.7	12.7	12.1	11.4	10.8
-32.5°	20.7	19.4	18.2	17.1	15.9	14.6	13.4	12.6	11.9	11.3	10.7
-33.75°	20.3	18.9	17.8	16.7	15.6	14.3	13.0	12.4	11.8	11.2	10.6
-35°	19.8	18.5	17.4	16.4	15.2	14.0	12.9	12.3	11.7	11.1	10.5
-36.25°	19.2	18.1	17.1	16.0	14.8	13.6	12.7	12.1	11.5	10.9	10.3
-37.5°	18.7	17.7	16.7	15.6	14.4	13.2	12.5	11.9	11.4	10.8	10.2
-38.75°	18.3	17.3	16.3	15.2	14.0	12.9	12.4	11.8	11.2	10.6	10.1
-40°	17.9	16.9	15.9	14.7	13.6	12.7	12.2	11.6	11.1	10.5	9.9
-41.25°	17.4	16.4	15.4	14.3	13.2	12.5	12.0	11.4	10.9	10.3	9.8
-42.5°	16.9	16.0	14.9	13.8	12.9	12.3	11.8	11.3	10.7	10.2	9.6
-43.75°	16.5	15.5	14.4	13.3	12.6	12.1	11.6	11.1	10.6	10.0	9.5
-45°	16.0	14.9	13.9	12.9	12.4	11.9	11.4	10.9	10.4	9.9	9.3
-46.25°	15.4	14.4	13.4	12.7	12.2	11.7	11.2	10.7	10.2	9.7	9.1
-47.5°	14.8	13.8	12.9	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.0
-48.75°	14.2	13.3	12.7	12.2	11.7	11.3	10.8	10.3	9.8	9.3	8.8
-50°	13.6	12.9	12.4	12.0	11.5	11.0	10.6	10.1	9.6	9.1	8.6
-51.25°	13.0	12.6	12.1	11.7	11.3	10.8	10.4	9.9	9.4	8.9	8.5
-52.5°	12.7	12.3	11.9	11.4	11.0	10.6	10.1	9.7	9.2	8.8	8.3
-53.75°	12.4	12.0	11.6	11.2	10.8	10.3	9.9	9.5	9.0	8.6	8.0
-55°	12.1	11.7	11.3	10.9	10.5	10.1	9.7	9.2	8.8	8.3	7.8
-56.25°	11.8	11.4	11.0	10.6	10.3	9.9	9.4	9.0	8.6	8.1	7.6
-57.5°	11.5	11.1	10.7	10.4	10.0	9.6	9.2	8.8	8.4	7.9	7.4
-58.75°	11.2	10.8	10.5	10.1	9.7	9.3	8.9	8.5	8.1	7.6	7.1
-60°	10.8	10.5	10.2	9.8	9.4	9.1	8.7	8.3	7.8	7.4	6.9
-61.25°	10.5	10.2	9.9	9.5	9.1	8.8	8.4	8.0	7.6	7.1	6.7
-62.5°	10.2	9.9	9.5	9.2	8.9	8.5	8.1	7.7	7.3	6.9	6.4
-63.75°	9.9	9.5	9.2	8.9	8.6	8.2	7.8	7.4	7.0	6.6	6.1
-65°	9.5	9.2	8.9	8.6	8.2	7.9	7.5	7.1	6.7	6.3	5.8
-66.25°	9.1	8.9	8.6	8.2	7.9	7.5	7.2	6.8	6.4	6.0	5.6
-67.5°	8.8	8.5	8.2	7.9	7.5	7.2	6.9	6.5	6.1	5.7	5.3
-68.75°	8.4	8.1	7.8	7.5	7.2	6.9	6.5	6.2	5.8	5.4	5.0
-70°	8.0	7.7	7.4	7.1	6.8	6.5	6.2	5.8	5.4	5.0	4.7
-71.25°	7.6	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.1	4.7	4.3
-72.5°	7.1	6.9	6.6	6.3	6.0	5.7	5.4	5.0	4.7	4.4	4.0
-73.75°	6.7	6.4	6.1	5.8	5.6	5.3	5.0	4.7	4.3	4.0	3.7
-75°	6.2	5.9	5.6	5.4	5.1	4.8	4.6	4.3	4.0	3.7	3.4
-76.25°	5.6	5.4	5.2	4.9	4.7	4.4	4.1	3.9	3.6	3.4	3.1
-77.5°	5.1	4.9	4.7	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.8



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.1	2.9	2.7	2.5
-80°	4.0	3.8	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.2
-81.25°	3.5	3.3	3.1	3.0	2.8	2.7	2.5	2.3	2.2	2.0	1.9
-82.5°	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.6
-83.75°	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-85°	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.1	1.1
-86.25°	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8
-87.5°	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5
-88.75°	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0
87.5°	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1
86.25°	0.7	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.1
85°	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2
83.75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
82.5°	1.5	1.4	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.2
81.25°	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
80°	2.0	1.8	1.6	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
78.75°	2.3	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
77.5°	2.6	2.3	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
76.25°	2.8	2.6	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
75°	3.1	2.8	2.6	2.3	2.0	1.7	1.5	1.2	1.0	0.7	0.5
73.75°	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.1	0.8	0.5
72.5°	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.4	1.1	0.9	0.6
71.25°	4.0	3.6	3.3	2.9	2.5	2.2	1.8	1.5	1.2	0.9	0.6
70°	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.3	1.0	0.6
68.75°	4.6	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.4	1.0	0.7
67.5°	4.8	4.4	4.0	3.5	3.1	2.7	2.2	1.8	1.5	1.1	0.7
66.25°	5.1	4.7	4.2	3.7	3.3	2.8	2.4	1.9	1.5	1.1	0.8
65°	5.4	4.9	4.4	4.0	3.5	3.0	2.5	2.0	1.6	1.2	0.8
63.75°	5.6	5.2	4.7	4.2	3.7	3.1	2.6	2.1	1.7	1.3	0.8
62.5°	5.9	5.4	4.9	4.4	3.8	3.3	2.8	2.3	1.8	1.3	0.9
61.25°	6.2	5.6	5.1	4.6	4.0	3.5	2.9	2.4	1.8	1.4	0.9
60°	6.4	5.9	5.3	4.8	4.2	3.6	3.0	2.5	1.9	1.4	0.9
58.75°	6.7	6.1	5.5	4.9	4.4	3.8	3.2	2.6	2.0	1.5	1.0
57.5°	6.9	6.4	5.7	5.1	4.5	3.9	3.3	2.7	2.1	1.5	1.0
56.25°	7.1	6.6	6.0	5.3	4.7	4.1	3.4	2.8	2.2	1.6	1.1
55°	7.3	6.8	6.2	5.5	4.9	4.2	3.6	2.9	2.2	1.6	1.1
53.75°	7.5	6.9	6.4	5.7	5.0	4.3	3.7	3.0	2.3	1.7	1.1
52.5°	7.7	7.1	6.6	5.9	5.2	4.5	3.8	3.1	2.4	1.7	1.2
51.25°	7.9	7.3	6.7	6.1	5.3	4.6	3.9	3.2	2.5	1.8	1.2
50°	8.1	7.5	6.9	6.2	5.5	4.8	4.0	3.3	2.6	1.8	1.2
48.75°	8.3	7.7	7.0	6.4	5.6	4.9	4.1	3.4	2.6	1.9	1.3
47.5°	8.4	7.8	7.2	6.6	5.8	5.0	4.3	3.5	2.7	1.9	1.3
46.25°	8.6	8.0	7.3	6.7	5.9	5.2	4.4	3.6	2.8	2.0	1.3
45°	8.7	8.2	7.5	6.8	6.1	5.3	4.5	3.7	2.9	2.0	1.3
43.75°	8.9	8.3	7.6	7.0	6.2	5.4	4.6	3.7	2.9	2.1	1.4
42.5°	9.0	8.5	7.8	7.1	6.4	5.5	4.7	3.8	3.0	2.1	1.4
41.25°	9.2	8.6	7.9	7.2	6.5	5.6	4.8	3.9	3.1	2.2	1.4
40°	9.3	8.7	8.1	7.3	6.6	5.8	4.9	4.0	3.1	2.2	1.5
38.75°	9.5	8.8	8.2	7.5	6.7	5.9	5.0	4.1	3.2	2.3	1.5
37.5°	9.6	9.0	8.3	7.6	6.8	6.0	5.1	4.2	3.2	2.3	1.5
36.25°	9.7	9.1	8.4	7.7	6.9	6.1	5.2	4.2	3.3	2.4	1.5
35°	9.8	9.2	8.5	7.8	7.0	6.2	5.2	4.3	3.4	2.4	1.6



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	10.0	9.3	8.6	7.9	7.1	6.3	5.3	4.4	3.4	2.5	1.6
32.5°	10.1	9.4	8.7	8.0	7.2	6.4	5.4	4.4	3.5	2.5	1.6
31.25°	10.2	9.5	8.8	8.1	7.3	6.5	5.5	4.5	3.5	2.5	1.6
30°	10.3	9.6	8.9	8.2	7.4	6.6	5.6	4.6	3.6	2.6	1.6
28.75°	10.4	9.7	9.0	8.3	7.5	6.6	5.6	4.6	3.6	2.6	1.7
27.5°	10.5	9.8	9.1	8.4	7.5	6.7	5.7	4.7	3.7	2.7	1.7
26.25°	10.6	9.9	9.2	8.4	7.6	6.8	5.8	4.8	3.7	2.7	1.7
25°	10.6	10.0	9.2	8.5	7.7	6.8	5.9	4.8	3.8	2.7	1.7
23.75°	10.7	10.0	9.3	8.6	7.8	6.9	5.9	4.9	3.8	2.8	1.7
22.5°	10.8	10.1	9.4	8.6	7.8	6.9	6.0	4.9	3.8	2.8	1.8
21.25°	10.9	10.2	9.4	8.7	7.9	7.0	6.0	5.0	3.9	2.8	1.8
20°	10.9	10.2	9.5	8.8	7.9	7.0	6.1	5.0	3.9	2.8	1.8
18.75°	11.0	10.3	9.6	8.8	8.0	7.1	6.1	5.0	4.0	2.9	1.8
17.5°	11.1	10.4	9.6	8.9	8.0	7.1	6.2	5.1	4.0	2.9	1.8
16.25°	11.1	10.4	9.7	8.9	8.1	7.2	6.2	5.1	4.0	2.9	1.8
15°	11.2	10.5	9.7	9.0	8.1	7.2	6.3	5.2	4.0	2.9	1.8
13.75°	11.2	10.5	9.8	9.0	8.2	7.3	6.3	5.2	4.1	3.0	1.8
12.5°	11.3	10.6	9.8	9.0	8.2	7.3	6.3	5.2	4.1	3.0	1.9
11.25°	11.3	10.6	9.8	9.1	8.3	7.3	6.4	5.2	4.1	3.0	1.9
10°	11.4	10.6	9.9	9.1	8.3	7.3	6.4	5.3	4.1	3.0	1.9
8.75°	11.4	10.7	9.9	9.1	8.3	7.4	6.4	5.3	4.1	3.0	1.9
7.5°	11.4	10.7	9.9	9.1	8.3	7.4	6.4	5.3	4.2	3.0	1.9
6.25°	11.4	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
5°	11.5	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
3.75°	11.5	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
2.5°	11.5	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
1.25°	11.5	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
0°	11.5	10.8	10.0	9.2	8.4	7.5	6.5	5.4	4.2	3.1	1.9
-1.25°	11.5	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
-2.5°	11.5	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
-3.75°	11.5	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
-5°	11.5	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
-6.25°	11.4	10.7	10.0	9.2	8.4	7.4	6.5	5.3	4.2	3.0	1.9
-7.5°	11.4	10.7	9.9	9.1	8.3	7.4	6.4	5.3	4.2	3.0	1.9
-8.75°	11.4	10.7	9.9	9.1	8.3	7.4	6.4	5.3	4.1	3.0	1.9
-10°	11.4	10.6	9.9	9.1	8.3	7.3	6.4	5.3	4.1	3.0	1.9
-11.25°	11.3	10.6	9.8	9.1	8.3	7.3	6.4	5.2	4.1	3.0	1.9
-12.5°	11.3	10.6	9.8	9.0	8.2	7.3	6.3	5.2	4.1	3.0	1.9
-13.75°	11.2	10.5	9.8	9.0	8.2	7.3	6.3	5.2	4.1	3.0	1.8
-15°	11.2	10.5	9.7	9.0	8.1	7.2	6.3	5.2	4.0	2.9	1.8
-16.25°	11.1	10.4	9.7	8.9	8.1	7.2	6.2	5.1	4.0	2.9	1.8
-17.5°	11.1	10.4	9.6	8.9	8.0	7.1	6.2	5.1	4.0	2.9	1.8
-18.75°	11.0	10.3	9.6	8.8	8.0	7.1	6.1	5.0	4.0	2.9	1.8
-20°	10.9	10.2	9.5	8.8	7.9	7.0	6.1	5.0	3.9	2.8	1.8
-21.25°	10.9	10.2	9.4	8.7	7.9	7.0	6.0	5.0	3.9	2.8	1.8



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	10.8	10.1	9.4	8.6	7.8	6.9	6.0	4.9	3.8	2.8	1.8
-23.75°	10.7	10.0	9.3	8.6	7.8	6.9	5.9	4.9	3.8	2.8	1.7
-25°	10.6	10.0	9.2	8.5	7.7	6.8	5.9	4.8	3.8	2.7	1.7
-26.25°	10.6	9.9	9.2	8.4	7.6	6.8	5.8	4.8	3.7	2.7	1.7
-27.5°	10.5	9.8	9.1	8.4	7.5	6.7	5.7	4.7	3.7	2.7	1.7
-28.75°	10.4	9.7	9.0	8.3	7.5	6.6	5.6	4.6	3.6	2.6	1.7
-30°	10.3	9.6	8.9	8.2	7.4	6.6	5.6	4.6	3.6	2.6	1.6
-31.25°	10.2	9.5	8.8	8.1	7.3	6.5	5.5	4.5	3.5	2.5	1.6
-32.5°	10.1	9.4	8.7	8.0	7.2	6.4	5.4	4.4	3.5	2.5	1.6
-33.75°	10.0	9.3	8.6	7.9	7.1	6.3	5.3	4.4	3.4	2.5	1.6
-35°	9.8	9.2	8.5	7.8	7.0	6.2	5.2	4.3	3.4	2.4	1.6
-36.25°	9.7	9.1	8.4	7.7	6.9	6.1	5.2	4.2	3.3	2.4	1.5
-37.5°	9.6	9.0	8.3	7.6	6.8	6.0	5.1	4.2	3.2	2.3	1.5
-38.75°	9.5	8.8	8.2	7.5	6.7	5.9	5.0	4.1	3.2	2.3	1.5
-40°	9.3	8.7	8.1	7.3	6.6	5.8	4.9	4.0	3.1	2.2	1.5
-41.25°	9.2	8.6	7.9	7.2	6.5	5.6	4.8	3.9	3.1	2.2	1.4
-42.5°	9.0	8.5	7.8	7.1	6.4	5.5	4.7	3.8	3.0	2.1	1.4
-43.75°	8.9	8.3	7.6	7.0	6.2	5.4	4.6	3.7	2.9	2.1	1.4
-45°	8.7	8.2	7.5	6.8	6.1	5.3	4.5	3.7	2.9	2.0	1.3
-46.25°	8.6	8.0	7.3	6.7	5.9	5.2	4.4	3.6	2.8	2.0	1.3
-47.5°	8.4	7.8	7.2	6.6	5.8	5.0	4.3	3.5	2.7	1.9	1.3
-48.75°	8.3	7.7	7.0	6.4	5.6	4.9	4.1	3.4	2.6	1.9	1.3
-50°	8.1	7.5	6.9	6.2	5.5	4.8	4.0	3.3	2.6	1.8	1.2
-51.25°	7.9	7.3	6.7	6.1	5.3	4.6	3.9	3.2	2.5	1.8	1.2
-52.5°	7.7	7.1	6.6	5.9	5.2	4.5	3.8	3.1	2.4	1.7	1.2
-53.75°	7.5	6.9	6.4	5.7	5.0	4.3	3.7	3.0	2.3	1.7	1.1
-55°	7.3	6.8	6.2	5.5	4.9	4.2	3.6	2.9	2.2	1.6	1.1
-56.25°	7.1	6.6	6.0	5.3	4.7	4.1	3.4	2.8	2.2	1.6	1.1
-57.5°	6.9	6.4	5.7	5.1	4.5	3.9	3.3	2.7	2.1	1.5	1.0
-58.75°	6.7	6.1	5.5	4.9	4.4	3.8	3.2	2.6	2.0	1.5	1.0
-60°	6.4	5.9	5.3	4.8	4.2	3.6	3.0	2.5	1.9	1.4	0.9
-61.25°	6.2	5.6	5.1	4.6	4.0	3.5	2.9	2.4	1.8	1.4	0.9
-62.5°	5.9	5.4	4.9	4.4	3.8	3.3	2.8	2.3	1.8	1.3	0.9
-63.75°	5.6	5.2	4.7	4.2	3.7	3.1	2.6	2.1	1.7	1.3	0.8
-65°	5.4	4.9	4.4	4.0	3.5	3.0	2.5	2.0	1.6	1.2	0.8
-66.25°	5.1	4.7	4.2	3.7	3.3	2.8	2.4	1.9	1.5	1.1	0.8
-67.5°	4.8	4.4	4.0	3.5	3.1	2.7	2.2	1.8	1.5	1.1	0.7
-68.75°	4.6	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.4	1.0	0.7
-70°	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.3	1.0	0.6
-71.25°	4.0	3.6	3.3	2.9	2.5	2.2	1.8	1.5	1.2	0.9	0.6
-72.5°	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.4	1.1	0.9	0.6
-73.75°	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.1	0.8	0.5
-75°	3.1	2.8	2.6	2.3	2.0	1.7	1.5	1.2	1.0	0.7	0.5
-76.25°	2.8	2.6	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
-77.5°	2.6	2.3	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	2.3	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
-80°	2.0	1.8	1.6	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
-81.25°	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-82.5°	1.5	1.4	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.2
-83.75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-85°	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2
-86.25°	0.7	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-87.5°	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1
-88.75°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.8	0.0
32.5°	0.8	0.0
31.25°	0.8	0.0
30°	0.8	0.0
28.75°	0.8	0.0
27.5°	0.8	0.0
26.25°	0.9	0.0
25°	0.9	0.0
23.75°	0.9	0.0
22.5°	0.9	0.0
21.25°	0.9	0.0
20°	0.9	0.0
18.75°	0.9	0.0
17.5°	0.9	0.0
16.25°	0.9	0.0
15°	0.9	0.0
13.75°	0.9	0.0
12.5°	0.9	0.0
11.25°	0.9	0.0
10°	0.9	0.0
8.75°	0.9	0.0
7.5°	0.9	0.0
6.25°	0.9	0.0
5°	0.9	0.0
3.75°	0.9	0.0
2.5°	0.9	0.0
1.25°	0.9	0.0
0°	0.9	0.0
-1.25°	0.9	0.0
-2.5°	0.9	0.0
-3.75°	0.9	0.0
-5°	0.9	0.0
-6.25°	0.9	0.0
-7.5°	0.9	0.0
-8.75°	0.9	0.0
-10°	0.9	0.0
-11.25°	0.9	0.0
-12.5°	0.9	0.0
-13.75°	0.9	0.0
-15°	0.9	0.0
-16.25°	0.9	0.0
-17.5°	0.9	0.0
-18.75°	0.9	0.0
-20°	0.9	0.0
-21.25°	0.9	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0.9	0.0
-23.75°	0.9	0.0
-25°	0.9	0.0
-26.25°	0.9	0.0
-27.5°	0.8	0.0
-28.75°	0.8	0.0
-30°	0.8	0.0
-31.25°	0.8	0.0
-32.5°	0.8	0.0
-33.75°	0.8	0.0
-35°	0.8	0.0
-36.25°	0.8	0.0
-37.5°	0.8	0.0
-38.75°	0.7	0.0
-40°	0.7	0.0
-41.25°	0.7	0.0
-42.5°	0.7	0.0
-43.75°	0.7	0.0
-45°	0.7	0.0
-46.25°	0.7	0.0
-47.5°	0.6	0.0
-48.75°	0.6	0.0
-50°	0.6	0.0
-51.25°	0.6	0.0
-52.5°	0.6	0.0
-53.75°	0.6	0.0
-55°	0.5	0.0
-56.25°	0.5	0.0
-57.5°	0.5	0.0
-58.75°	0.5	0.0
-60°	0.5	0.0
-61.25°	0.5	0.0
-62.5°	0.4	0.0
-63.75°	0.4	0.0
-65°	0.4	0.0
-66.25°	0.4	0.0
-67.5°	0.4	0.0
-68.75°	0.3	0.0
-70°	0.3	0.0
-71.25°	0.3	0.0
-72.5°	0.3	0.0
-73.75°	0.3	0.0
-75°	0.2	0.0
-76.25°	0.2	0.0
-77.5°	0.2	0.0



REPORT NUMBER: P220490 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)