

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: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

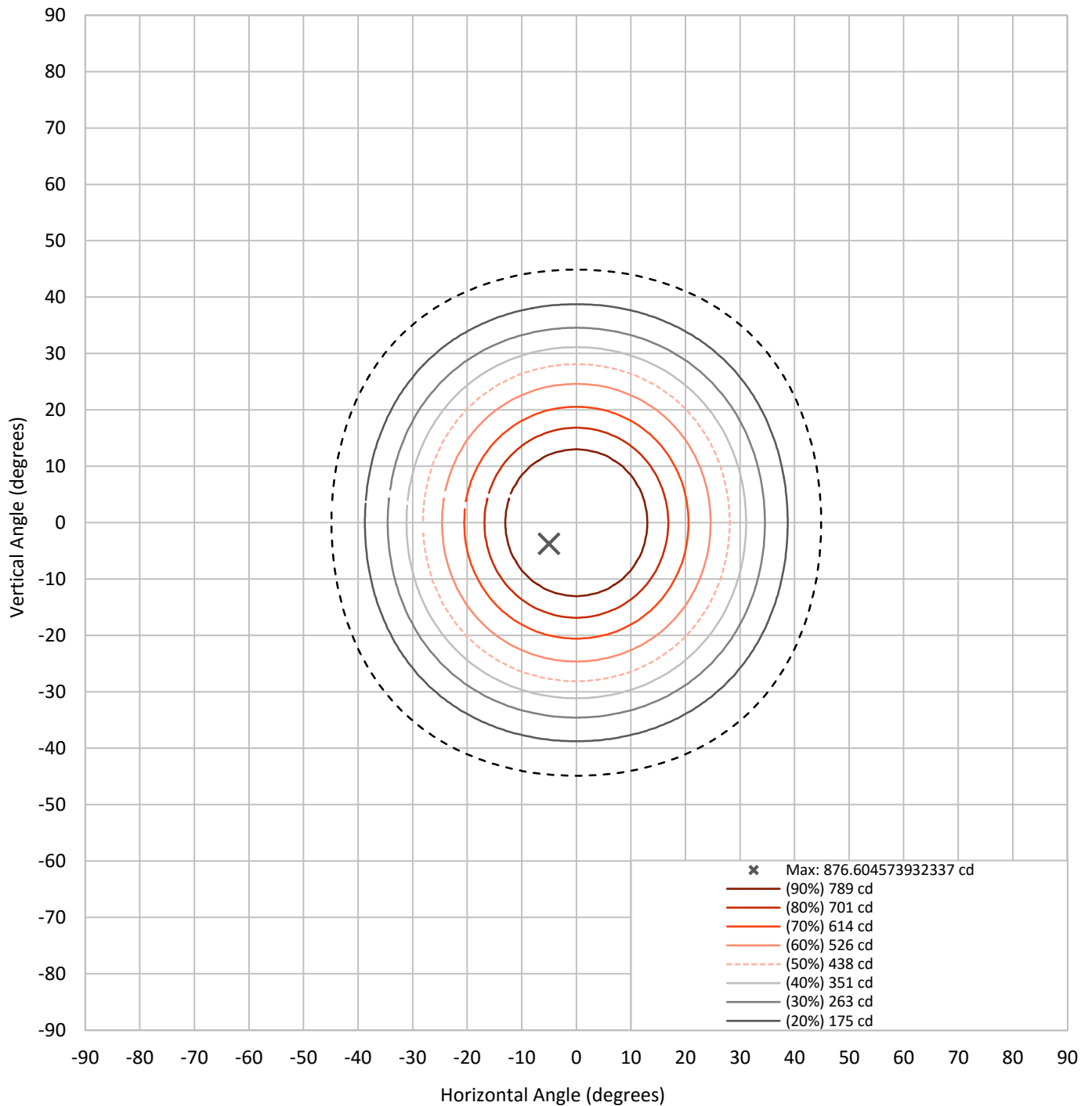
Test Method: LM-79-08
Report Number: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	776.2 lumens	Max Intensity:	876.6 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	77.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	55.8°H x 55.5°V	Field Angle (10%):	89.6°H x 89.4°V
Beam Lumens:	482.4 lumens	Field Lumens:	725.5 lumens
Beam Efficiency:	62.2%	Field Efficiency:	93.5%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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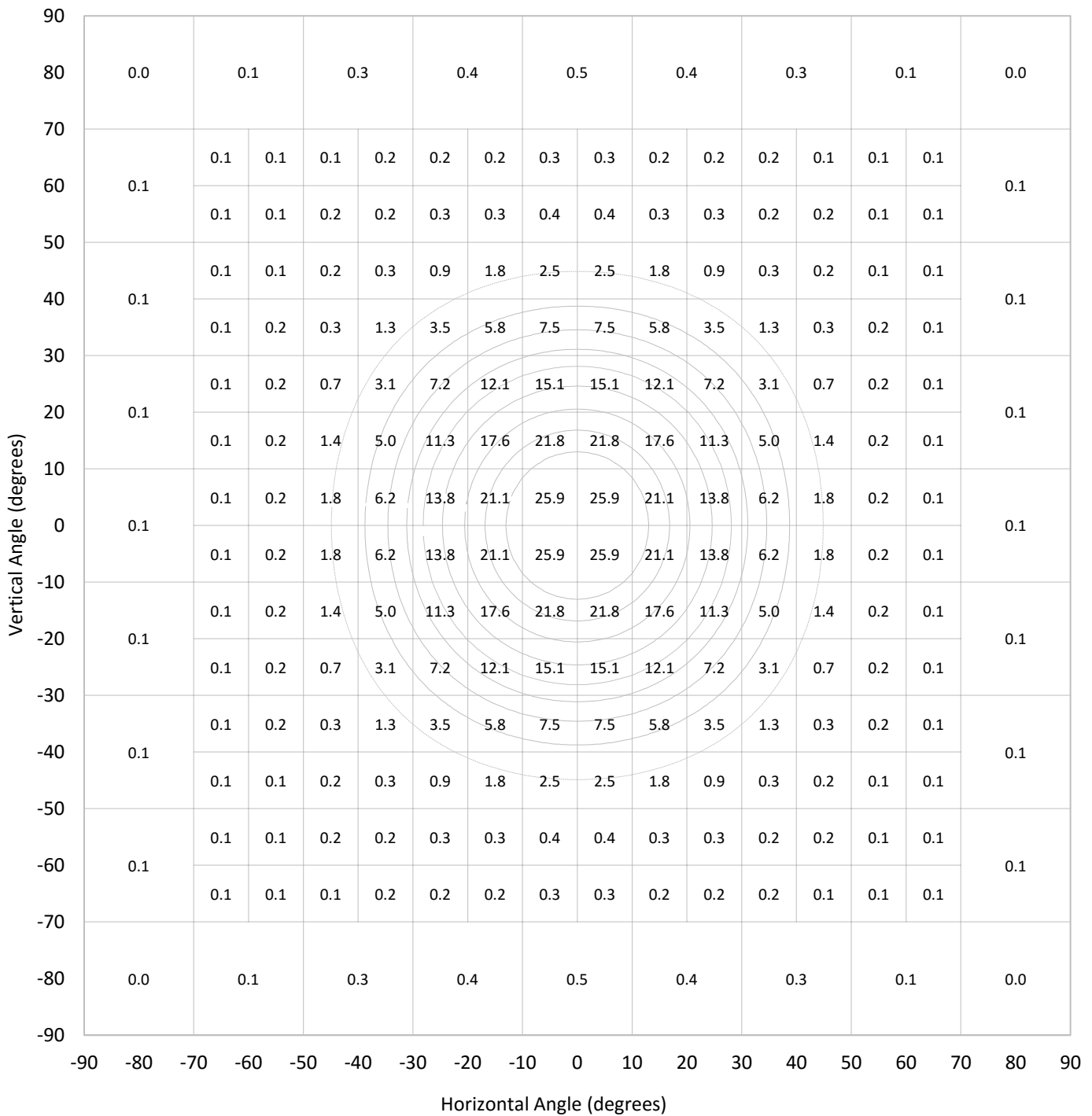
Iso-Candela Plot





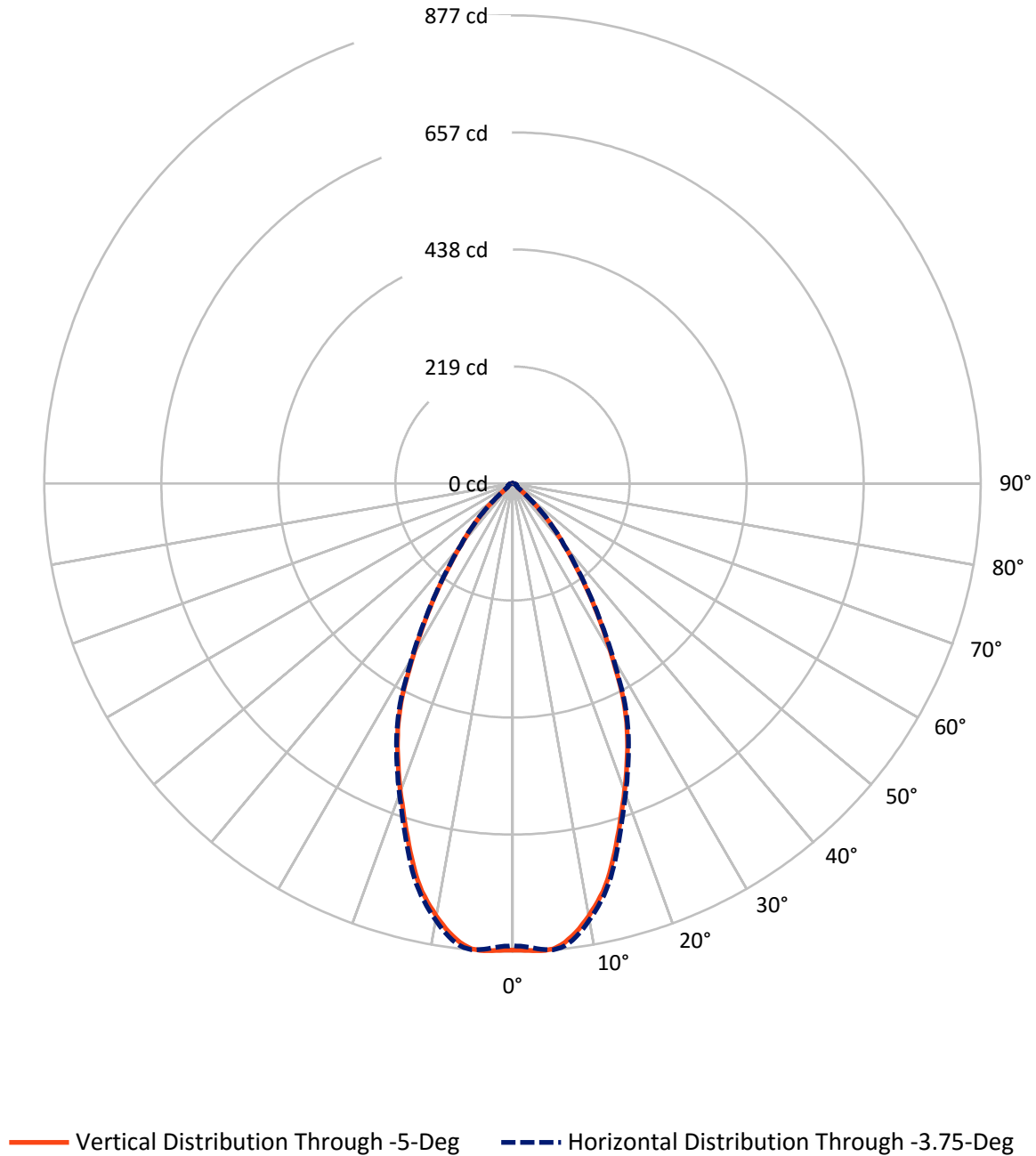
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Lumen Table



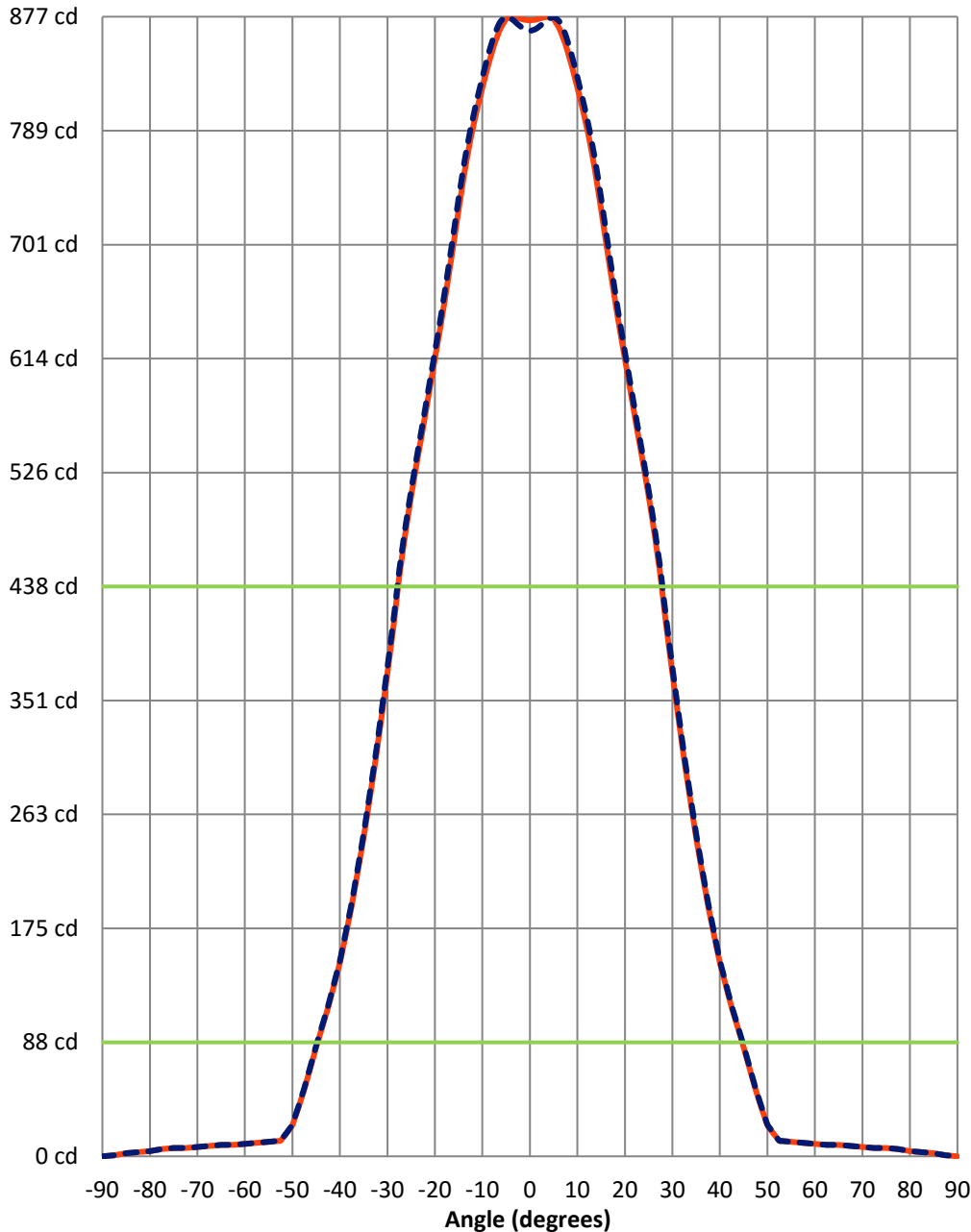
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 55.8°
 V Angle: 55.5°
 Lumens: 482.4
 Efficiency: 62.2%

Field:
 H Angle: 89.6°
 V Angle: 89.4°
 Lumens: 725.5
 Efficiency: 93.5%

Spill:
 Lumens: 50.7
 Efficiency: 6.5%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through -3.75-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
78.75°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1
75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.1	1.3
73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.2	1.4
72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.1	1.4	1.6
71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.5	1.8
70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.1	1.4	1.6	1.9
68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.2	1.5	1.8	2.1
67.5°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.6	1.9	2.2
66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.1	1.4	1.8	2.1	2.4
65°	0.0	0.2	0.3	0.5	0.7	0.9	1.2	1.6	1.9	2.2	2.5
63.75°	0.0	0.2	0.4	0.5	0.7	1.0	1.3	1.7	2.0	2.4	2.6
62.5°	0.0	0.2	0.4	0.6	0.7	1.0	1.4	1.8	2.1	2.5	2.6
61.25°	0.0	0.2	0.4	0.6	0.8	1.1	1.5	1.9	2.3	2.5	2.7
60°	0.0	0.2	0.4	0.6	0.8	1.2	1.6	2.0	2.4	2.6	2.8
58.75°	0.0	0.2	0.4	0.6	0.9	1.3	1.7	2.1	2.5	2.7	2.9
57.5°	0.0	0.2	0.4	0.6	0.9	1.3	1.8	2.2	2.5	2.7	2.9
56.25°	0.0	0.2	0.4	0.7	1.0	1.4	1.9	2.3	2.6	2.8	3.0
55°	0.0	0.2	0.5	0.7	1.0	1.5	1.9	2.4	2.6	2.9	3.1
53.75°	0.0	0.2	0.5	0.7	1.1	1.6	2.0	2.5	2.7	2.9	3.2
52.5°	0.0	0.2	0.5	0.7	1.1	1.6	2.1	2.5	2.7	3.0	3.2
51.25°	0.0	0.3	0.5	0.8	1.2	1.7	2.2	2.5	2.8	3.0	3.3
50°	0.0	0.3	0.5	0.8	1.3	1.8	2.3	2.6	2.9	3.1	3.4
48.75°	0.0	0.3	0.5	0.8	1.3	1.8	2.4	2.6	2.9	3.2	3.4
47.5°	0.0	0.3	0.5	0.8	1.4	1.9	2.4	2.7	3.0	3.2	3.5
46.25°	0.0	0.3	0.6	0.9	1.4	2.0	2.5	2.7	3.0	3.3	3.6
45°	0.0	0.3	0.6	0.9	1.5	2.0	2.5	2.8	3.1	3.3	3.6
43.75°	0.0	0.3	0.6	0.9	1.5	2.1	2.5	2.8	3.1	3.4	3.7
42.5°	0.0	0.3	0.6	1.0	1.6	2.1	2.6	2.9	3.2	3.4	3.7
41.25°	0.0	0.3	0.6	1.0	1.6	2.2	2.6	2.9	3.2	3.5	3.8
40°	0.0	0.3	0.6	1.0	1.7	2.3	2.6	2.9	3.2	3.6	3.9
38.75°	0.0	0.3	0.6	1.1	1.7	2.3	2.7	3.0	3.3	3.6	3.9
37.5°	0.0	0.3	0.6	1.1	1.7	2.4	2.7	3.0	3.3	3.6	4.0
36.25°	0.0	0.3	0.6	1.1	1.8	2.4	2.7	3.1	3.4	3.7	4.0
35°	0.0	0.3	0.7	1.2	1.8	2.4	2.8	3.1	3.4	3.7	4.1



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	1.2	1.9	2.5	2.8	3.1	3.5	3.8	4.2
32.5°	0.0	0.3	0.7	1.2	1.9	2.5	2.8	3.2	3.5	3.8	4.3
31.25°	0.0	0.3	0.7	1.3	1.9	2.5	2.9	3.2	3.5	3.9	4.4
30°	0.0	0.3	0.7	1.3	2.0	2.5	2.9	3.2	3.6	3.9	4.5
28.75°	0.0	0.4	0.7	1.3	2.0	2.6	2.9	3.3	3.6	4.0	4.6
27.5°	0.0	0.4	0.7	1.3	2.0	2.6	2.9	3.3	3.6	4.0	4.7
26.25°	0.0	0.4	0.7	1.4	2.1	2.6	3.0	3.3	3.7	4.0	4.8
25°	0.0	0.4	0.7	1.4	2.1	2.6	3.0	3.3	3.7	4.1	4.8
23.75°	0.0	0.4	0.7	1.4	2.1	2.6	3.0	3.4	3.7	4.2	4.9
22.5°	0.0	0.4	0.7	1.4	2.2	2.6	3.0	3.4	3.8	4.2	5.0
21.25°	0.0	0.4	0.7	1.4	2.2	2.7	3.0	3.4	3.8	4.3	5.0
20°	0.0	0.4	0.8	1.5	2.2	2.7	3.1	3.4	3.8	4.4	5.1
18.75°	0.0	0.4	0.8	1.5	2.2	2.7	3.1	3.5	3.8	4.4	5.2
17.5°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.5	5.2
16.25°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.5	5.3
15°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.3
13.75°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
12.5°	0.0	0.4	0.8	1.5	2.3	2.8	3.1	3.5	3.9	4.6	5.4
11.25°	0.0	0.4	0.8	1.6	2.3	2.8	3.2	3.5	3.9	4.7	5.4
10°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.7	5.5
8.75°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.7	5.5
7.5°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.7	5.5
6.25°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
5°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
3.75°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
2.5°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
1.25°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
0°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
-1.25°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
-2.5°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
-3.75°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
-5°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
-6.25°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.8	5.6
-7.5°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.7	5.5
-8.75°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.7	5.5
-10°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.0	4.7	5.5
-11.25°	0.0	0.4	0.8	1.6	2.3	2.8	3.2	3.5	3.9	4.7	5.4
-12.5°	0.0	0.4	0.8	1.5	2.3	2.8	3.1	3.5	3.9	4.6	5.4
-13.75°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
-15°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.3
-16.25°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.5	5.3
-17.5°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.5	5.2
-18.75°	0.0	0.4	0.8	1.5	2.2	2.7	3.1	3.5	3.8	4.4	5.2
-20°	0.0	0.4	0.8	1.5	2.2	2.7	3.1	3.4	3.8	4.4	5.1
-21.25°	0.0	0.4	0.7	1.4	2.2	2.7	3.0	3.4	3.8	4.3	5.0



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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
-87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0
82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3
81.25°	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.7
80°	0.8	0.8	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0
78.75°	0.9	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.4
77.5°	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.6
76.25°	1.3	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.6	2.6	2.7
75°	1.5	1.7	1.9	2.1	2.3	2.4	2.5	2.6	2.7	2.8	2.9
73.75°	1.6	1.9	2.1	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1
72.5°	1.8	2.1	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2
71.25°	2.0	2.3	2.5	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.4
70°	2.2	2.4	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.5	3.6
68.75°	2.4	2.5	2.7	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.8
67.5°	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.8	3.9
66.25°	2.6	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.2
65°	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9	4.2	4.5
63.75°	2.7	2.9	3.1	3.2	3.4	3.6	3.8	3.9	4.2	4.5	4.8
62.5°	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.5	4.8	5.1
61.25°	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.4	4.7	5.1	5.5
60°	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.7	5.0	5.4	5.7
58.75°	3.1	3.3	3.5	3.7	3.9	4.1	4.5	4.9	5.3	5.7	5.8
57.5°	3.1	3.4	3.6	3.8	4.0	4.4	4.8	5.2	5.6	5.8	6.0
56.25°	3.2	3.4	3.7	3.9	4.2	4.6	5.0	5.5	5.7	5.9	6.2
55°	3.3	3.5	3.8	4.0	4.4	4.8	5.3	5.7	5.9	6.1	6.3
53.75°	3.4	3.6	3.8	4.2	4.6	5.1	5.5	5.8	6.0	6.2	6.4
52.5°	3.5	3.7	3.9	4.4	4.8	5.3	5.7	5.9	6.1	6.4	6.4
51.25°	3.5	3.8	4.1	4.5	5.0	5.5	5.8	6.0	6.3	6.4	6.4
50°	3.6	3.9	4.2	4.7	5.2	5.7	5.9	6.2	6.4	6.4	6.4
48.75°	3.7	3.9	4.4	4.9	5.4	5.8	6.0	6.3	6.4	6.4	6.4
47.5°	3.8	4.0	4.6	5.1	5.6	5.9	6.1	6.4	6.4	6.4	6.4
46.25°	3.8	4.2	4.7	5.3	5.7	6.0	6.2	6.4	6.4	6.4	6.5
45°	3.9	4.3	4.9	5.5	5.8	6.1	6.4	6.4	6.4	6.4	6.6
43.75°	4.0	4.5	5.1	5.6	5.9	6.2	6.4	6.4	6.4	6.5	6.8
42.5°	4.1	4.6	5.2	5.7	6.0	6.3	6.4	6.4	6.4	6.6	6.9
41.25°	4.2	4.8	5.4	5.8	6.1	6.4	6.4	6.4	6.4	6.7	7.0
40°	4.3	4.9	5.5	5.9	6.2	6.4	6.4	6.4	6.6	6.8	7.1
38.75°	4.4	5.1	5.6	5.9	6.2	6.4	6.4	6.4	6.7	7.0	7.3
37.5°	4.6	5.2	5.7	6.0	6.3	6.4	6.4	6.5	6.8	7.1	7.4
36.25°	4.7	5.3	5.8	6.1	6.4	6.4	6.4	6.6	6.9	7.2	7.5
35°	4.8	5.4	5.8	6.2	6.4	6.4	6.4	6.6	7.0	7.3	7.6



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	4.9	5.6	5.9	6.2	6.4	6.4	6.4	6.7	7.1	7.4	7.7
32.5°	5.0	5.6	6.0	6.3	6.4	6.4	6.5	6.8	7.2	7.5	7.8
31.25°	5.1	5.7	6.0	6.4	6.4	6.4	6.6	6.9	7.2	7.6	7.9
30°	5.2	5.7	6.1	6.4	6.4	6.4	6.7	7.0	7.3	7.7	8.0
28.75°	5.3	5.8	6.1	6.4	6.4	6.4	6.7	7.1	7.4	7.8	8.1
27.5°	5.4	5.8	6.2	6.4	6.4	6.5	6.8	7.1	7.5	7.8	8.2
26.25°	5.5	5.9	6.3	6.4	6.4	6.5	6.9	7.2	7.6	7.9	8.3
25°	5.6	5.9	6.3	6.4	6.4	6.6	6.9	7.3	7.7	8.0	8.4
23.75°	5.6	6.0	6.3	6.4	6.4	6.6	7.0	7.4	7.7	8.1	8.4
22.5°	5.7	6.0	6.4	6.4	6.4	6.7	7.1	7.4	7.8	8.2	8.5
21.25°	5.7	6.1	6.4	6.4	6.4	6.7	7.1	7.5	7.9	8.2	8.6
20°	5.7	6.1	6.4	6.4	6.4	6.8	7.2	7.5	7.9	8.3	8.7
18.75°	5.8	6.1	6.4	6.4	6.5	6.8	7.2	7.6	8.0	8.3	8.7
17.5°	5.8	6.2	6.4	6.4	6.5	6.9	7.3	7.6	8.0	8.4	8.8
16.25°	5.8	6.2	6.4	6.4	6.6	6.9	7.3	7.7	8.1	8.5	8.8
15°	5.8	6.2	6.4	6.4	6.6	7.0	7.4	7.7	8.1	8.5	8.8
13.75°	5.9	6.3	6.4	6.4	6.6	7.0	7.4	7.8	8.2	8.6	8.8
12.5°	5.9	6.3	6.4	6.4	6.7	7.0	7.4	7.8	8.2	8.6	8.8
11.25°	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9	8.2	8.6	8.8
10°	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9	8.3	8.7	8.8
8.75°	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9	8.3	8.7	8.8
7.5°	6.0	6.4	6.4	6.4	6.7	7.1	7.5	7.9	8.3	8.7	8.8
6.25°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.7	8.8
5°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
3.75°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
2.5°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
1.25°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
0°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
-1.25°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
-2.5°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
-3.75°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
-5°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.8	8.8
-6.25°	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0	8.4	8.7	8.8
-7.5°	6.0	6.4	6.4	6.4	6.7	7.1	7.5	7.9	8.3	8.7	8.8
-8.75°	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9	8.3	8.7	8.8
-10°	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9	8.3	8.7	8.8
-11.25°	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9	8.2	8.6	8.8
-12.5°	5.9	6.3	6.4	6.4	6.7	7.0	7.4	7.8	8.2	8.6	8.8
-13.75°	5.9	6.3	6.4	6.4	6.6	7.0	7.4	7.8	8.2	8.6	8.8
-15°	5.8	6.2	6.4	6.4	6.6	7.0	7.4	7.7	8.1	8.5	8.8
-16.25°	5.8	6.2	6.4	6.4	6.6	6.9	7.3	7.7	8.1	8.5	8.8
-17.5°	5.8	6.2	6.4	6.4	6.5	6.9	7.3	7.6	8.0	8.4	8.8
-18.75°	5.8	6.1	6.4	6.4	6.5	6.8	7.2	7.6	8.0	8.3	8.7
-20°	5.7	6.1	6.4	6.4	6.4	6.8	7.2	7.5	7.9	8.3	8.7
-21.25°	5.7	6.1	6.4	6.4	6.4	6.7	7.1	7.5	7.9	8.2	8.6



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	5.7	6.0	6.4	6.4	6.4	6.7	7.1	7.4	7.8	8.2	8.5
-23.75°	5.6	6.0	6.3	6.4	6.4	6.6	7.0	7.4	7.7	8.1	8.4
-25°	5.6	5.9	6.3	6.4	6.4	6.6	6.9	7.3	7.7	8.0	8.4
-26.25°	5.5	5.9	6.3	6.4	6.4	6.5	6.9	7.2	7.6	7.9	8.3
-27.5°	5.4	5.8	6.2	6.4	6.4	6.5	6.8	7.1	7.5	7.8	8.2
-28.75°	5.3	5.8	6.1	6.4	6.4	6.4	6.7	7.1	7.4	7.8	8.1
-30°	5.2	5.7	6.1	6.4	6.4	6.4	6.7	7.0	7.3	7.7	8.0
-31.25°	5.1	5.7	6.0	6.4	6.4	6.4	6.6	6.9	7.2	7.6	7.9
-32.5°	5.0	5.6	6.0	6.3	6.4	6.4	6.5	6.8	7.2	7.5	7.8
-33.75°	4.9	5.6	5.9	6.2	6.4	6.4	6.4	6.7	7.1	7.4	7.7
-35°	4.8	5.4	5.8	6.2	6.4	6.4	6.4	6.6	7.0	7.3	7.6
-36.25°	4.7	5.3	5.8	6.1	6.4	6.4	6.4	6.6	6.9	7.2	7.5
-37.5°	4.6	5.2	5.7	6.0	6.3	6.4	6.4	6.5	6.8	7.1	7.4
-38.75°	4.4	5.1	5.6	5.9	6.2	6.4	6.4	6.4	6.7	7.0	7.3
-40°	4.3	4.9	5.5	5.9	6.2	6.4	6.4	6.4	6.6	6.8	7.1
-41.25°	4.2	4.8	5.4	5.8	6.1	6.4	6.4	6.4	6.4	6.7	7.0
-42.5°	4.1	4.6	5.2	5.7	6.0	6.3	6.4	6.4	6.4	6.6	6.9
-43.75°	4.0	4.5	5.1	5.6	5.9	6.2	6.4	6.4	6.4	6.5	6.8
-45°	3.9	4.3	4.9	5.5	5.8	6.1	6.4	6.4	6.4	6.4	6.6
-46.25°	3.8	4.2	4.7	5.3	5.7	6.0	6.2	6.4	6.4	6.4	6.5
-47.5°	3.8	4.0	4.6	5.1	5.6	5.9	6.1	6.4	6.4	6.4	6.4
-48.75°	3.7	3.9	4.4	4.9	5.4	5.8	6.0	6.3	6.4	6.4	6.4
-50°	3.6	3.9	4.2	4.7	5.2	5.7	5.9	6.2	6.4	6.4	6.4
-51.25°	3.5	3.8	4.1	4.5	5.0	5.5	5.8	6.0	6.3	6.4	6.4
-52.5°	3.5	3.7	3.9	4.4	4.8	5.3	5.7	5.9	6.1	6.4	6.4
-53.75°	3.4	3.6	3.8	4.2	4.6	5.1	5.5	5.8	6.0	6.2	6.4
-55°	3.3	3.5	3.8	4.0	4.4	4.8	5.3	5.7	5.9	6.1	6.3
-56.25°	3.2	3.4	3.7	3.9	4.2	4.6	5.0	5.5	5.7	5.9	6.2
-57.5°	3.1	3.4	3.6	3.8	4.0	4.4	4.8	5.2	5.6	5.8	6.0
-58.75°	3.1	3.3	3.5	3.7	3.9	4.1	4.5	4.9	5.3	5.7	5.8
-60°	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.7	5.0	5.4	5.7
-61.25°	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.4	4.7	5.1	5.5
-62.5°	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.5	4.8	5.1
-63.75°	2.7	2.9	3.1	3.2	3.4	3.6	3.8	3.9	4.2	4.5	4.8
-65°	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9	4.2	4.5
-66.25°	2.6	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.2
-67.5°	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.8	3.9
-68.75°	2.4	2.5	2.7	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.8
-70°	2.2	2.4	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.5	3.6
-71.25°	2.0	2.3	2.5	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.4
-72.5°	1.8	2.1	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2
-73.75°	1.6	1.9	2.1	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1
-75°	1.5	1.7	1.9	2.1	2.3	2.4	2.5	2.6	2.7	2.8	2.9
-76.25°	1.3	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.6	2.6	2.7
-77.5°	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.6



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.9	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.4
-80°	0.8	0.8	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0
-81.25°	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.7
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0
-85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
85°	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3
83.75°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8
82.5°	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0	2.1	2.2	2.3
81.25°	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.5	2.5	2.6
80°	2.1	2.3	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.9
78.75°	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.1
77.5°	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.2	3.3	3.4
76.25°	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4	3.5	3.5	3.6
75°	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.8	3.9
73.75°	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.9	4.1	4.2
72.5°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.4	4.5	4.7
71.25°	3.5	3.6	3.8	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2
70°	3.7	3.8	4.0	4.1	4.4	4.6	4.8	5.1	5.3	5.5	5.7
68.75°	3.9	4.0	4.3	4.5	4.8	5.0	5.3	5.5	5.7	5.8	5.9
67.5°	4.1	4.4	4.7	4.9	5.2	5.5	5.7	5.8	5.9	6.0	6.2
66.25°	4.5	4.7	5.0	5.3	5.6	5.7	5.9	6.0	6.1	6.3	6.4
65°	4.8	5.1	5.4	5.7	5.8	5.9	6.1	6.2	6.4	6.4	6.4
63.75°	5.1	5.5	5.7	5.8	6.0	6.2	6.3	6.4	6.4	6.4	6.4
62.5°	5.5	5.7	5.9	6.0	6.2	6.4	6.4	6.4	6.4	6.4	6.4
61.25°	5.7	5.9	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.6
60°	5.9	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.8
58.75°	6.0	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.7	6.9	7.0
57.5°	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.7	6.9	7.1	7.3
56.25°	6.4	6.4	6.4	6.4	6.4	6.6	6.7	6.9	7.1	7.3	7.5
55°	6.4	6.4	6.4	6.4	6.5	6.7	6.9	7.1	7.3	7.5	7.7
53.75°	6.4	6.4	6.4	6.5	6.7	6.9	7.1	7.3	7.6	7.8	7.9
52.5°	6.4	6.4	6.5	6.7	6.9	7.1	7.3	7.6	7.8	8.0	8.2
51.25°	6.4	6.4	6.6	6.9	7.1	7.3	7.5	7.8	8.0	8.2	8.4
50°	6.4	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.2	8.4	8.6
48.75°	6.5	6.7	7.0	7.2	7.4	7.7	7.9	8.1	8.4	8.6	8.8
47.5°	6.6	6.9	7.1	7.4	7.6	7.9	8.1	8.3	8.6	8.8	8.8
46.25°	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.5	8.8	8.8	8.8
45°	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.7	8.8	8.8	8.8
43.75°	7.0	7.3	7.6	7.8	8.1	8.4	8.6	8.8	8.8	8.8	8.9
42.5°	7.2	7.4	7.7	8.0	8.3	8.5	8.8	8.8	8.8	8.8	9.1
41.25°	7.3	7.6	7.9	8.1	8.4	8.7	8.8	8.8	8.8	9.0	9.2
40°	7.4	7.7	8.0	8.3	8.6	8.8	8.8	8.8	8.9	9.2	9.4
38.75°	7.6	7.9	8.1	8.4	8.7	8.8	8.8	8.8	9.1	9.4	9.6
37.5°	7.7	8.0	8.3	8.6	8.8	8.8	8.8	9.0	9.2	9.5	9.8
36.25°	7.8	8.1	8.4	8.7	8.8	8.8	8.8	9.1	9.4	9.7	10.0
35°	7.9	8.2	8.5	8.8	8.8	8.8	9.0	9.3	9.6	9.9	10.2



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	8.0	8.3	8.7	8.8	8.8	8.8	9.1	9.4	9.7	10.0	10.3
32.5°	8.1	8.5	8.8	8.8	8.8	8.9	9.3	9.6	9.9	10.2	10.5
31.25°	8.2	8.6	8.8	8.8	8.8	9.1	9.4	9.7	10.0	10.4	10.7
30°	8.3	8.7	8.8	8.8	8.9	9.2	9.5	9.9	10.2	10.5	10.8
28.75°	8.4	8.8	8.8	8.8	9.0	9.3	9.7	10.0	10.3	10.7	11.0
27.5°	8.5	8.8	8.8	8.8	9.1	9.4	9.8	10.1	10.5	10.8	11.1
26.25°	8.6	8.8	8.8	8.9	9.2	9.6	9.9	10.2	10.6	10.9	11.3
25°	8.7	8.8	8.8	9.0	9.3	9.7	10.0	10.4	10.7	11.1	11.4
23.75°	8.8	8.8	8.8	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5
22.5°	8.8	8.8	8.8	9.2	9.5	9.9	10.2	10.6	11.0	11.3	11.7
21.25°	8.8	8.8	8.9	9.3	9.6	10.0	10.3	10.7	11.1	11.4	11.8
20°	8.8	8.8	9.0	9.3	9.7	10.1	10.4	10.8	11.2	11.5	11.9
18.75°	8.8	8.8	9.0	9.4	9.8	10.2	10.5	10.9	11.3	11.6	12.0
17.5°	8.8	8.8	9.1	9.5	9.9	10.2	10.6	11.0	11.4	11.7	13.6
16.25°	8.8	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.4	11.8	15.1
15°	8.8	8.9	9.2	9.6	10.0	10.4	10.8	11.1	11.5	11.9	16.5
13.75°	8.8	8.9	9.3	9.7	10.1	10.5	10.8	11.2	11.6	12.0	17.9
12.5°	8.8	9.0	9.4	9.7	10.1	10.5	10.9	11.3	11.7	12.9	19.1
11.25°	8.8	9.0	9.4	9.8	10.2	10.6	11.0	11.3	11.7	13.9	20.2
10°	8.8	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	14.9	21.2
8.75°	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.4	11.8	15.7	22.0
7.5°	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	16.4	22.8
6.25°	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	17.0	23.4
5°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.5	11.9	17.5	24.0
3.75°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	17.9	24.4
2.5°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	18.2	24.7
1.25°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	18.4	24.8
0°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	18.5	24.9
-1.25°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	18.4	24.8
-2.5°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	18.2	24.7
-3.75°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	18.2	24.7
-5°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.5	11.9	17.5	24.0
-6.25°	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	17.0	23.4
-7.5°	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	16.4	22.8
-8.75°	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.4	11.8	15.7	22.0
-10°	8.8	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	14.9	21.2
-11.25°	8.8	9.0	9.4	9.8	10.2	10.6	11.0	11.3	11.7	13.9	20.2
-12.5°	8.8	9.0	9.4	9.7	10.1	10.5	10.9	11.3	11.7	12.9	19.1
-13.75°	8.8	8.9	9.3	9.7	10.1	10.5	10.8	11.2	11.6	12.0	17.9
-15°	8.8	8.9	9.2	9.6	10.0	10.4	10.8	11.1	11.5	11.9	16.5
-16.25°	8.8	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.4	11.8	15.1
-17.5°	8.8	8.8	9.1	9.5	9.9	10.2	10.6	11.0	11.4	11.7	13.6
-18.75°	8.8	8.8	9.0	9.4	9.8	10.2	10.5	10.9	11.3	11.6	12.0
-20°	8.8	8.8	9.0	9.3	9.7	10.1	10.4	10.8	11.2	11.5	11.9
-21.25°	8.8	8.8	8.9	9.3	9.6	10.0	10.3	10.7	11.1	11.4	11.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	8.8	8.8	8.8	9.2	9.5	9.9	10.2	10.6	11.0	11.3	11.7
-23.75°	8.8	8.8	8.8	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5
-25°	8.7	8.8	8.8	9.0	9.3	9.7	10.0	10.4	10.7	11.1	11.4
-26.25°	8.6	8.8	8.8	8.9	9.2	9.6	9.9	10.2	10.6	10.9	11.3
-27.5°	8.5	8.8	8.8	8.8	9.1	9.4	9.8	10.1	10.5	10.8	11.1
-28.75°	8.4	8.8	8.8	8.8	9.0	9.3	9.7	10.0	10.3	10.7	11.0
-30°	8.3	8.7	8.8	8.8	8.9	9.2	9.5	9.9	10.2	10.5	10.8
-31.25°	8.2	8.6	8.8	8.8	8.8	9.1	9.4	9.7	10.0	10.4	10.7
-32.5°	8.1	8.5	8.8	8.8	8.8	8.9	9.3	9.6	9.9	10.2	10.5
-33.75°	8.0	8.3	8.7	8.8	8.8	8.8	9.1	9.4	9.7	10.0	10.3
-35°	7.9	8.2	8.5	8.8	8.8	8.8	9.0	9.3	9.6	9.9	10.2
-36.25°	7.8	8.1	8.4	8.7	8.8	8.8	8.8	9.1	9.4	9.7	10.0
-37.5°	7.7	8.0	8.3	8.6	8.8	8.8	8.8	9.0	9.2	9.5	9.8
-38.75°	7.6	7.9	8.1	8.4	8.7	8.8	8.8	8.8	9.1	9.4	9.6
-40°	7.4	7.7	8.0	8.3	8.6	8.8	8.8	8.8	8.9	9.2	9.4
-41.25°	7.3	7.6	7.9	8.1	8.4	8.7	8.8	8.8	8.8	9.0	9.2
-42.5°	7.2	7.4	7.7	8.0	8.3	8.5	8.8	8.8	8.8	8.8	9.1
-43.75°	7.0	7.3	7.6	7.8	8.1	8.4	8.6	8.8	8.8	8.8	8.9
-45°	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.7	8.8	8.8	8.8
-46.25°	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.5	8.8	8.8	8.8
-47.5°	6.6	6.9	7.1	7.4	7.6	7.9	8.1	8.3	8.6	8.8	8.8
-48.75°	6.5	6.7	7.0	7.2	7.4	7.7	7.9	8.1	8.4	8.6	8.8
-50°	6.4	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.2	8.4	8.6
-51.25°	6.4	6.4	6.6	6.9	7.1	7.3	7.5	7.8	8.0	8.2	8.4
-52.5°	6.4	6.4	6.5	6.7	6.9	7.1	7.3	7.6	7.8	8.0	8.2
-53.75°	6.4	6.4	6.4	6.5	6.7	6.9	7.1	7.3	7.6	7.8	7.9
-55°	6.4	6.4	6.4	6.4	6.5	6.7	6.9	7.1	7.3	7.5	7.7
-56.25°	6.4	6.4	6.4	6.4	6.4	6.6	6.7	6.9	7.1	7.3	7.5
-57.5°	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.7	6.9	7.1	7.3
-58.75°	6.0	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.7	6.9	7.0
-60°	5.9	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.8
-61.25°	5.7	5.9	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.6
-62.5°	5.5	5.7	5.9	6.0	6.2	6.4	6.4	6.4	6.4	6.4	6.4
-63.75°	5.1	5.5	5.7	5.8	6.0	6.2	6.3	6.4	6.4	6.4	6.4
-65°	4.8	5.1	5.4	5.7	5.8	5.9	6.1	6.2	6.4	6.4	6.4
-66.25°	4.5	4.7	5.0	5.3	5.6	5.7	5.9	6.0	6.1	6.3	6.4
-67.5°	4.1	4.4	4.7	4.9	5.2	5.5	5.7	5.8	5.9	6.0	6.2
-68.75°	3.9	4.0	4.3	4.5	4.8	5.0	5.3	5.5	5.7	5.8	5.9
-70°	3.7	3.8	4.0	4.1	4.4	4.6	4.8	5.1	5.3	5.5	5.7
-71.25°	3.5	3.6	3.8	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2
-72.5°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.4	4.5	4.7
-73.75°	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.9	4.1	4.2
-75°	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.8	3.9
-76.25°	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4	3.5	3.5	3.6
-77.5°	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.2	3.3	3.4



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.1
-80°	2.1	2.3	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.9
-81.25°	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.5	2.5	2.6
-82.5°	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0	2.1	2.2	2.3
-83.75°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8
-85°	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3
-86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1
85°	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7	1.8
83.75°	1.8	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.4
82.5°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7
81.25°	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.1
80°	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.4
78.75°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.6	3.6	3.7
77.5°	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0
76.25°	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.6	4.7
75°	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.3
73.75°	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.6	5.7	5.8
72.5°	4.9	5.1	5.3	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1
71.25°	5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4
70°	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.4	6.4	6.4
68.75°	6.0	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.6
66.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.6	6.7	6.8	6.9
65°	6.4	6.4	6.4	6.4	6.5	6.6	6.7	6.8	7.0	7.1	7.2
63.75°	6.4	6.4	6.5	6.6	6.8	6.9	7.0	7.1	7.3	7.4	7.5
62.5°	6.5	6.6	6.8	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.8
61.25°	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.9	8.0	8.1
60°	7.0	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.1	8.3	8.4
58.75°	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7
57.5°	7.4	7.6	7.8	7.9	8.1	8.3	8.4	8.6	8.7	8.8	8.8
56.25°	7.7	7.9	8.0	8.2	8.4	8.5	8.7	8.8	8.8	8.8	8.8
55°	7.9	8.1	8.3	8.5	8.6	8.8	8.8	8.8	8.8	8.8	8.8
53.75°	8.1	8.3	8.5	8.7	8.8	8.8	8.8	8.8	8.8	9.0	9.1
52.5°	8.4	8.6	8.8	8.8	8.8	8.8	8.8	8.9	9.1	9.2	9.4
51.25°	8.6	8.8	8.8	8.8	8.8	8.8	9.0	9.2	9.4	9.5	9.7
50°	8.8	8.8	8.8	8.8	8.9	9.1	9.2	9.4	9.6	9.8	10.0
48.75°	8.8	8.8	8.8	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3
47.5°	8.8	8.8	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6
46.25°	8.8	8.9	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8
45°	8.9	9.1	9.4	9.6	9.8	10.1	10.3	10.5	10.7	10.9	11.1
43.75°	9.1	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.2	11.4
42.5°	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.2	11.5	11.7
41.25°	9.5	9.8	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.7	11.9
40°	9.7	10.0	10.2	10.5	10.8	11.0	11.3	11.5	11.7	12.0	15.4
38.75°	9.9	10.2	10.4	10.7	11.0	11.2	11.5	11.7	12.0	15.7	19.6
37.5°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	15.7	19.8	23.7
36.25°	10.3	10.6	10.8	11.1	11.4	11.7	11.9	15.4	19.6	23.7	31.5
35°	10.5	10.8	11.0	11.3	11.6	11.9	14.7	19.1	23.4	31.1	40.5



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	10.6	10.9	11.2	11.5	11.8	13.6	18.2	22.7	29.8	39.6	49.3
32.5°	10.8	11.1	11.4	11.7	12.2	16.9	21.6	27.7	37.9	48.0	58.5
31.25°	11.0	11.3	11.6	11.9	15.3	20.1	24.9	35.4	45.9	56.5	68.1
30°	11.1	11.5	11.8	13.3	18.3	23.2	32.1	42.9	53.6	65.6	77.5
28.75°	11.3	11.6	11.9	16.2	21.3	28.0	39.2	50.2	62.2	74.5	86.6
27.5°	11.5	11.8	13.7	18.9	24.1	34.6	46.0	57.8	70.5	83.1	94.8
26.25°	11.6	11.9	16.3	21.6	29.3	41.0	52.6	65.6	78.6	91.1	102.8
25°	11.7	13.3	18.8	24.2	35.3	47.2	59.8	73.1	86.4	98.5	110.5
23.75°	11.9	15.6	21.1	28.7	41.0	53.1	66.8	80.4	93.4	105.7	118.1
22.5°	12.1	17.8	23.4	34.0	46.5	59.5	73.5	87.3	100.0	112.7	126.5
21.25°	14.2	19.9	26.4	39.1	51.7	65.7	79.9	93.5	106.4	119.7	134.5
20°	16.1	21.8	31.0	43.9	57.1	71.6	86.1	99.4	112.6	127.1	142.2
18.75°	17.9	23.7	35.4	48.4	62.5	77.2	91.5	105.0	118.6	134.1	149.5
17.5°	19.6	26.2	39.5	52.7	67.6	82.5	96.6	110.2	125.0	140.7	157.5
16.25°	21.1	29.9	43.4	57.1	72.3	87.4	101.3	115.2	131.0	147.0	165.9
15°	22.6	33.4	47.0	61.4	76.8	91.7	105.8	120.3	136.6	152.9	173.8
13.75°	24.0	36.6	50.3	65.4	80.9	95.7	109.9	125.3	141.8	160.0	181.1
12.5°	25.7	39.6	53.4	69.0	84.7	99.3	113.7	130.0	146.7	166.5	187.9
11.25°	28.3	42.2	56.5	72.3	88.1	102.7	117.2	134.2	151.1	172.4	194.1
10°	30.6	44.6	59.4	75.3	90.9	105.7	120.9	138.0	155.8	177.7	199.9
8.75°	32.6	46.8	61.9	78.0	93.5	108.3	124.1	141.3	160.3	182.5	205.7
7.5°	34.4	48.6	64.1	80.3	95.7	110.6	126.9	144.3	164.3	186.6	210.8
6.25°	35.9	50.2	66.0	82.2	97.6	112.6	129.3	146.8	167.6	190.1	215.1
5°	37.1	51.5	67.5	83.8	99.1	114.2	131.3	148.8	170.4	193.0	218.7
3.75°	38.1	52.5	68.7	85.1	100.3	115.5	132.8	150.4	172.6	195.3	221.5
2.5°	38.8	53.2	69.6	86.0	101.2	116.4	133.9	151.6	174.1	196.9	223.5
1.25°	39.2	53.7	70.1	86.5	101.7	116.9	134.6	152.3	175.0	197.9	224.7
0°	39.4	53.8	70.2	86.7	101.9	117.1	134.8	152.5	175.4	198.2	225.1
-1.25°	39.2	53.7	70.1	86.5	101.7	116.9	134.6	152.3	175.0	197.9	224.7
-2.5°	38.8	53.2	69.6	86.0	101.2	116.4	133.9	151.6	174.1	196.9	223.5
-3.75°	38.1	52.5	68.7	85.1	100.3	115.5	132.8	150.4	172.6	195.3	221.5
-5°	37.1	51.5	67.5	83.8	99.1	114.2	131.3	148.8	170.4	193.0	218.7
-6.25°	35.9	50.2	66.0	82.2	97.6	112.6	129.3	146.8	167.6	190.1	215.1
-7.5°	34.4	48.6	64.1	80.3	95.7	110.6	126.9	144.3	164.3	186.6	210.8
-8.75°	32.6	46.8	61.9	78.0	93.5	108.3	124.1	141.3	160.3	182.5	205.7
-10°	30.6	44.6	59.4	75.3	90.9	105.7	120.9	138.0	155.8	177.7	199.9
-11.25°	28.3	42.2	56.5	72.3	88.1	102.7	117.2	134.2	151.1	172.4	194.1
-12.5°	25.7	39.6	53.4	69.0	84.7	99.3	113.7	130.0	146.7	166.5	187.9
-13.75°	24.0	36.6	50.3	65.4	80.9	95.7	109.9	125.3	141.8	160.0	181.1
-15°	22.6	33.4	47.0	61.4	76.8	91.7	105.8	120.3	136.6	152.9	173.8
-16.25°	21.1	29.9	43.4	57.1	72.3	87.4	101.3	115.2	131.0	147.0	165.9
-17.5°	19.6	26.2	39.5	52.7	67.6	82.5	96.6	110.2	125.0	140.7	157.5
-18.75°	17.9	23.7	35.4	48.4	62.5	77.2	91.5	105.0	118.6	134.1	149.5
-20°	16.1	21.8	31.0	43.9	57.1	71.6	86.1	99.4	112.6	127.1	142.2
-21.25°	14.2	19.9	26.4	39.1	51.7	65.7	79.9	93.5	106.4	119.7	134.5



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	12.1	17.8	23.4	34.0	46.5	59.5	73.5	87.3	100.0	112.7	126.5
-23.75°	11.9	15.6	21.1	28.7	41.0	53.1	66.8	80.4	93.4	105.7	118.1
-25°	11.7	13.3	18.8	24.2	35.3	47.2	59.8	73.1	86.4	98.5	110.5
-26.25°	11.6	11.9	16.3	21.6	29.3	41.0	52.6	65.6	78.6	91.1	102.8
-27.5°	11.5	11.8	13.7	18.9	24.1	34.6	46.0	57.8	70.5	83.1	94.8
-28.75°	11.3	11.6	11.9	16.2	21.3	28.0	39.2	50.2	62.2	74.5	86.6
-30°	11.1	11.5	11.8	13.3	18.3	23.2	32.1	42.9	53.6	65.6	77.5
-31.25°	11.0	11.3	11.6	11.9	15.3	20.1	24.9	35.4	45.9	56.5	68.1
-32.5°	10.8	11.1	11.4	11.7	12.2	16.9	21.6	27.7	37.9	48.0	58.5
-33.75°	10.6	10.9	11.2	11.5	11.8	13.6	18.2	22.7	29.8	39.6	49.3
-35°	10.5	10.8	11.0	11.3	11.6	11.9	14.7	19.1	23.4	31.1	40.5
-36.25°	10.3	10.6	10.8	11.1	11.4	11.7	11.9	15.4	19.6	23.7	31.5
-37.5°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	15.7	19.8	23.7
-38.75°	9.9	10.2	10.4	10.7	11.0	11.2	11.5	11.7	12.0	15.7	19.6
-40°	9.7	10.0	10.2	10.5	10.8	11.0	11.3	11.5	11.7	12.0	15.4
-41.25°	9.5	9.8	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.7	11.9
-42.5°	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.2	11.5	11.7
-43.75°	9.1	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.2	11.4
-45°	8.9	9.1	9.4	9.6	9.8	10.1	10.3	10.5	10.7	10.9	11.1
-46.25°	8.8	8.9	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8
-47.5°	8.8	8.8	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6
-48.75°	8.8	8.8	8.8	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3
-50°	8.8	8.8	8.8	8.8	8.9	9.1	9.2	9.4	9.6	9.8	10.0
-51.25°	8.6	8.8	8.8	8.8	8.8	8.8	9.0	9.2	9.4	9.5	9.7
-52.5°	8.4	8.6	8.8	8.8	8.8	8.8	8.8	8.9	9.1	9.2	9.4
-53.75°	8.1	8.3	8.5	8.7	8.8	8.8	8.8	8.8	8.8	9.0	9.1
-55°	7.9	8.1	8.3	8.5	8.6	8.8	8.8	8.8	8.8	8.8	8.8
-56.25°	7.7	7.9	8.0	8.2	8.4	8.5	8.7	8.8	8.8	8.8	8.8
-57.5°	7.4	7.6	7.8	7.9	8.1	8.3	8.4	8.6	8.7	8.8	8.8
-58.75°	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7
-60°	7.0	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.1	8.3	8.4
-61.25°	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.9	8.0	8.1
-62.5°	6.5	6.6	6.8	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.8
-63.75°	6.4	6.4	6.5	6.6	6.8	6.9	7.0	7.1	7.3	7.4	7.5
-65°	6.4	6.4	6.4	6.4	6.5	6.6	6.7	6.8	7.0	7.1	7.2
-66.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.6	6.7	6.8	6.9
-67.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.6
-68.75°	6.0	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-70°	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.4	6.4	6.4
-71.25°	5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4
-72.5°	4.9	5.1	5.3	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1
-73.75°	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.6	5.7	5.8
-75°	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.3
-76.25°	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.6	4.7
-77.5°	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.6	3.6	3.7
-80°	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.4
-81.25°	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.1
-82.5°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7
-83.75°	1.8	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.4
-85°	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7	1.8
-86.25°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1
-87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	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



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
85°	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2
83.75°	2.4	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0
81.25°	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4
80°	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.8
78.75°	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1	4.2	4.2
77.5°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0
76.25°	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7
75°	5.4	5.6	5.6	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0
73.75°	5.8	5.9	6.0	6.0	6.1	6.1	6.2	6.3	6.3	6.3	6.4
72.5°	6.2	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
71.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.7
68.75°	6.4	6.4	6.5	6.6	6.7	6.7	6.8	6.9	6.9	7.0	7.1
67.5°	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.4
66.25°	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8
65°	7.3	7.4	7.5	7.6	7.7	7.8	7.8	7.9	8.0	8.1	8.2
63.75°	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4	8.5
62.5°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8
61.25°	8.2	8.3	8.5	8.6	8.7	8.8	8.8	8.8	8.8	8.8	8.8
60°	8.5	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
58.75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.9	9.0	9.1	9.2
57.5°	8.8	8.8	8.8	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5
56.25°	8.8	8.8	8.9	9.1	9.2	9.3	9.4	9.6	9.7	9.8	9.9
55°	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2
53.75°	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6
52.5°	9.6	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.7	10.8	11.0
51.25°	9.9	10.0	10.2	10.4	10.5	10.7	10.8	10.9	11.1	11.2	11.3
50°	10.2	10.3	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.5	11.7
48.75°	10.5	10.6	10.8	11.0	11.1	11.3	11.5	11.6	11.7	11.9	12.1
47.5°	10.8	10.9	11.1	11.3	11.5	11.6	11.8	11.9	13.3	15.6	17.8
46.25°	11.0	11.2	11.4	11.6	11.8	11.9	13.7	16.3	18.8	21.1	23.4
45°	11.3	11.5	11.7	11.9	13.3	16.2	18.9	21.6	24.2	28.7	34.0
43.75°	11.6	11.8	12.2	15.3	18.3	21.3	24.1	29.3	35.3	41.0	46.5
42.5°	11.9	13.6	16.9	20.1	23.2	28.0	34.6	41.0	47.2	53.1	59.5
41.25°	14.7	18.2	21.6	24.9	32.1	39.2	46.0	52.6	59.8	66.8	73.5
40°	19.1	22.7	27.7	35.4	42.9	50.2	57.8	65.6	73.1	80.4	87.3
38.75°	23.4	29.8	37.9	45.9	53.6	62.2	70.5	78.6	86.4	93.4	100.0
37.5°	31.1	39.6	48.0	56.5	65.6	74.5	83.1	91.1	98.5	105.7	112.7
36.25°	40.5	49.3	58.5	68.1	77.5	86.6	94.8	102.8	110.5	118.1	126.5
35°	49.7	59.5	69.6	79.5	89.0	97.7	106.2	114.4	123.3	132.3	140.9



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	59.5	70.1	80.5	90.4	99.6	108.6	117.4	127.3	136.9	146.2	156.0
32.5°	69.6	80.5	90.9	100.6	110.0	119.7	130.2	140.5	150.4	162.2	174.2
31.25°	79.5	90.4	100.6	110.5	120.8	132.0	142.8	153.6	166.9	179.8	192.2
30°	89.0	99.6	110.0	120.8	132.5	144.0	156.0	170.1	183.8	197.0	211.9
28.75°	97.7	108.6	119.7	132.0	144.0	156.8	171.6	186.2	200.7	216.8	232.5
27.5°	106.2	117.4	130.2	142.8	156.0	171.6	187.0	202.6	219.8	236.5	252.7
26.25°	114.4	127.3	140.5	153.6	170.1	186.2	202.6	220.8	238.5	256.2	275.2
25°	123.3	136.9	150.4	166.9	183.8	200.7	219.8	238.5	257.4	277.6	297.2
23.75°	132.3	146.2	162.2	179.8	197.0	216.8	236.5	256.2	277.6	298.5	319.5
22.5°	140.9	156.0	174.2	192.2	211.9	232.5	252.7	275.2	297.2	319.5	343.3
21.25°	149.2	167.1	185.7	205.2	226.5	247.5	270.5	293.6	316.7	341.8	366.3
20°	158.6	177.8	196.8	218.6	240.5	263.4	287.6	311.3	337.5	363.4	389.0
18.75°	168.3	187.9	208.9	231.5	254.1	279.2	304.0	330.4	357.5	384.3	411.7
17.5°	177.6	197.6	220.7	243.8	268.6	294.3	320.5	348.8	376.7	405.1	436.4
16.25°	186.4	208.2	231.8	255.8	282.3	308.5	337.3	366.3	395.5	427.0	457.2
15°	194.6	218.2	242.3	268.2	295.2	323.1	353.1	382.9	413.9	447.6	475.4
13.75°	202.9	227.5	252.1	279.7	307.2	337.4	368.0	399.1	433.3	464.4	491.4
12.5°	211.2	236.2	262.3	290.4	319.1	350.6	381.8	414.7	450.0	479.2	505.3
11.25°	218.8	244.1	271.7	300.2	330.7	362.7	395.0	430.5	463.8	492.4	517.8
10°	225.6	251.2	280.2	309.1	341.2	373.7	407.1	444.7	475.8	503.6	528.8
8.75°	231.7	258.4	287.7	317.5	350.6	383.5	418.9	455.4	486.1	513.3	538.7
7.5°	237.0	264.7	294.3	325.4	358.8	392.6	429.6	464.8	495.1	521.8	547.2
6.25°	241.5	270.0	300.0	332.0	365.8	400.3	438.9	472.7	502.2	528.9	554.5
5°	245.2	274.5	304.6	337.5	371.5	406.6	446.0	478.8	507.9	534.8	560.5
3.75°	248.1	277.9	308.2	341.8	376.1	411.7	450.9	483.5	512.4	539.4	565.3
2.5°	250.2	280.4	310.8	344.9	379.3	415.8	454.5	486.9	515.7	542.6	568.9
1.25°	251.5	281.9	312.4	346.8	381.2	418.2	456.6	489.0	517.6	544.6	571.0
0°	251.9	282.4	312.9	347.4	381.9	419.0	457.4	489.7	518.3	545.2	571.7
-1.25°	251.5	281.9	312.4	346.8	381.2	418.2	456.6	489.0	517.6	544.6	571.0
-2.5°	250.2	280.4	310.8	344.9	379.3	415.8	454.5	486.9	515.7	542.6	568.9
-3.75°	248.1	277.9	308.2	341.8	376.1	411.7	450.9	483.5	512.4	539.4	565.3
-5°	245.2	274.5	304.6	337.5	371.5	406.6	446.0	478.8	507.9	534.8	560.5
-6.25°	241.5	270.0	300.0	332.0	365.8	400.3	438.9	472.7	502.2	528.9	554.5
-7.5°	237.0	264.7	294.3	325.4	358.8	392.6	429.6	464.8	495.1	521.8	547.2
-8.75°	231.7	258.4	287.7	317.5	350.6	383.5	418.9	455.4	486.1	513.3	538.7
-10°	225.6	251.2	280.2	309.1	341.2	373.7	407.1	444.7	475.8	503.6	528.8
-11.25°	218.8	244.1	271.7	300.2	330.7	362.7	395.0	430.5	463.8	492.4	517.8
-12.5°	211.2	236.2	262.3	290.4	319.1	350.6	381.8	414.7	450.0	479.2	505.3
-13.75°	202.9	227.5	252.1	279.7	307.2	337.4	368.0	399.1	433.3	464.4	491.4
-15°	194.6	218.2	242.3	268.2	295.2	323.1	353.1	382.9	413.9	447.6	475.4
-16.25°	186.4	208.2	231.8	255.8	282.3	308.5	337.3	366.3	395.5	427.0	457.2
-17.5°	177.6	197.6	220.7	243.8	268.6	294.3	320.5	348.8	376.7	405.1	436.4
-18.75°	168.3	187.9	208.9	231.5	254.1	279.2	304.0	330.4	357.5	384.3	411.7
-20°	158.6	177.8	196.8	218.6	240.5	263.4	287.6	311.3	337.5	363.4	389.0
-21.25°	149.2	167.1	185.7	205.2	226.5	247.5	270.5	293.6	316.7	341.8	366.3



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	140.9	156.0	174.2	192.2	211.9	232.5	252.7	275.2	297.2	319.5	343.3
-23.75°	132.3	146.2	162.2	179.8	197.0	216.8	236.5	256.2	277.6	298.5	319.5
-25°	123.3	136.9	150.4	166.9	183.8	200.7	219.8	238.5	257.4	277.6	297.2
-26.25°	114.4	127.3	140.5	153.6	170.1	186.2	202.6	220.8	238.5	256.2	275.2
-27.5°	106.2	117.4	130.2	142.8	156.0	171.6	187.0	202.6	219.8	236.5	252.7
-28.75°	97.7	108.6	119.7	132.0	144.0	156.8	171.6	186.2	200.7	216.8	232.5
-30°	89.0	99.6	110.0	120.8	132.5	144.0	156.0	170.1	183.8	197.0	211.9
-31.25°	79.5	90.4	100.6	110.5	120.8	132.0	142.8	153.6	166.9	179.8	192.2
-32.5°	69.6	80.5	90.9	100.6	110.0	119.7	130.2	140.5	150.4	162.2	174.2
-33.75°	59.5	70.1	80.5	90.4	99.6	108.6	117.4	127.3	136.9	146.2	156.0
-35°	49.7	59.5	69.6	79.5	89.0	97.7	106.2	114.4	123.3	132.3	140.9
-36.25°	40.5	49.3	58.5	68.1	77.5	86.6	94.8	102.8	110.5	118.1	126.5
-37.5°	31.1	39.6	48.0	56.5	65.6	74.5	83.1	91.1	98.5	105.7	112.7
-38.75°	23.4	29.8	37.9	45.9	53.6	62.2	70.5	78.6	86.4	93.4	100.0
-40°	19.1	22.7	27.7	35.4	42.9	50.2	57.8	65.6	73.1	80.4	87.3
-41.25°	14.7	18.2	21.6	24.9	32.1	39.2	46.0	52.6	59.8	66.8	73.5
-42.5°	11.9	13.6	16.9	20.1	23.2	28.0	34.6	41.0	47.2	53.1	59.5
-43.75°	11.6	11.8	12.2	15.3	18.3	21.3	24.1	29.3	35.3	41.0	46.5
-45°	11.3	11.5	11.7	11.9	13.3	16.2	18.9	21.6	24.2	28.7	34.0
-46.25°	11.0	11.2	11.4	11.6	11.8	11.9	13.7	16.3	18.8	21.1	23.4
-47.5°	10.8	10.9	11.1	11.3	11.5	11.6	11.8	11.9	13.3	15.6	17.8
-48.75°	10.5	10.6	10.8	11.0	11.1	11.3	11.5	11.6	11.7	11.9	12.1
-50°	10.2	10.3	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.5	11.7
-51.25°	9.9	10.0	10.2	10.4	10.5	10.7	10.8	10.9	11.1	11.2	11.3
-52.5°	9.6	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.7	10.8	11.0
-53.75°	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6
-55°	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2
-56.25°	8.8	8.8	8.9	9.1	9.2	9.3	9.4	9.6	9.7	9.8	9.9
-57.5°	8.8	8.8	8.8	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5
-58.75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.9	9.0	9.1	9.2
-60°	8.5	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-61.25°	8.2	8.3	8.5	8.6	8.7	8.8	8.8	8.8	8.8	8.8	8.8
-62.5°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8
-63.75°	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4	8.5
-65°	7.3	7.4	7.5	7.6	7.7	7.8	7.8	7.9	8.0	8.1	8.2
-66.25°	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8
-67.5°	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.4
-68.75°	6.4	6.4	6.5	6.6	6.7	6.7	6.8	6.9	6.9	7.0	7.1
-70°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.7
-71.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-72.5°	6.2	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-73.75°	5.8	5.9	6.0	6.0	6.1	6.1	6.2	6.3	6.3	6.3	6.4
-75°	5.4	5.6	5.6	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0
-76.25°	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7
-77.5°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1	4.2	4.2
-80°	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.8
-81.25°	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4
-82.5°	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0
-83.75°	2.4	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6
-85°	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2
-86.25°	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6
85°	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4
83.75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8
82.5°	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2
81.25°	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6
80°	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0
78.75°	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7
77.5°	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5
76.25°	5.7	5.7	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9
75°	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3
73.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
71.25°	6.4	6.4	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.7	6.7
70°	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1
68.75°	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5	7.5
67.5°	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9
66.25°	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.3	8.3
65°	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.6	8.7	8.7
63.75°	8.6	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
62.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
61.25°	8.8	8.8	8.8	8.8	8.8	8.9	8.9	9.0	9.0	9.0	9.1
60°	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.4	9.4	9.4	9.5
58.75°	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9
57.5°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.2	10.3
56.25°	10.0	10.1	10.2	10.2	10.3	10.4	10.5	10.5	10.6	10.6	10.7
55°	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.0	11.1
53.75°	10.7	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4	11.4
52.5°	11.1	11.2	11.3	11.4	11.4	11.5	11.6	11.7	11.7	11.8	11.8
51.25°	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.9	13.9	14.9	15.7
50°	11.8	11.9	12.0	13.6	15.1	16.5	17.9	19.1	20.2	21.2	22.0
48.75°	14.2	16.1	17.9	19.6	21.1	22.6	24.0	25.7	28.3	30.6	32.6
47.5°	19.9	21.8	23.7	26.2	29.9	33.4	36.6	39.6	42.2	44.6	46.8
46.25°	26.4	31.0	35.4	39.5	43.4	47.0	50.3	53.4	56.5	59.4	61.9
45°	39.1	43.9	48.4	52.7	57.1	61.4	65.4	69.0	72.3	75.3	78.0
43.75°	51.7	57.1	62.5	67.6	72.3	76.8	80.9	84.7	88.1	90.9	93.5
42.5°	65.7	71.6	77.2	82.5	87.4	91.7	95.7	99.3	102.7	105.7	108.3
41.25°	79.9	86.1	91.5	96.6	101.3	105.8	109.9	113.7	117.2	120.9	124.1
40°	93.5	99.4	105.0	110.2	115.2	120.3	125.3	130.0	134.2	138.0	141.3
38.75°	106.4	112.6	118.6	125.0	131.0	136.6	141.8	146.7	151.1	155.8	160.3
37.5°	119.7	127.1	134.1	140.7	147.0	152.9	160.0	166.5	172.4	177.7	182.5
36.25°	134.5	142.2	149.5	157.5	165.9	173.8	181.1	187.9	194.1	199.9	205.7
35°	149.2	158.6	168.3	177.6	186.4	194.6	202.9	211.2	218.8	225.6	231.7



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	167.1	177.8	187.9	197.6	208.2	218.2	227.5	236.2	244.1	251.2	258.4
32.5°	185.7	196.8	208.9	220.7	231.8	242.3	252.1	262.3	271.7	280.2	287.7
31.25°	205.2	218.6	231.5	243.8	255.8	268.2	279.7	290.4	300.2	309.1	317.5
30°	226.5	240.5	254.1	268.6	282.3	295.2	307.2	319.1	330.7	341.2	350.6
28.75°	247.5	263.4	279.2	294.3	308.5	323.1	337.4	350.6	362.7	373.7	383.5
27.5°	270.5	287.6	304.0	320.5	337.3	353.1	368.0	381.8	395.0	407.1	418.9
26.25°	293.6	311.3	330.4	348.8	366.3	382.9	399.1	414.7	430.5	444.7	455.4
25°	316.7	337.5	357.5	376.7	395.5	413.9	433.3	450.0	463.8	475.8	486.1
23.75°	341.8	363.4	384.3	405.1	427.0	447.6	464.4	479.2	492.4	503.6	513.3
22.5°	366.3	389.0	411.7	436.4	457.2	475.4	491.4	505.3	517.8	528.8	538.7
21.25°	390.6	415.4	442.1	463.7	482.9	500.2	515.2	529.0	541.6	552.8	563.0
20°	415.4	443.9	466.9	487.5	505.8	522.3	537.6	551.5	564.5	576.7	587.9
18.75°	442.1	466.9	489.0	508.6	526.6	543.3	558.7	573.7	587.9	601.3	612.8
17.5°	463.7	487.5	508.6	528.0	546.1	563.2	579.9	596.2	611.1	624.2	637.0
16.25°	482.9	505.8	526.6	546.1	564.7	583.0	601.3	617.5	633.1	648.1	662.8
15°	500.2	522.3	543.3	563.2	583.0	603.0	620.8	638.6	656.2	673.3	689.5
13.75°	515.2	537.6	558.7	579.9	601.3	620.8	640.4	660.3	679.9	698.7	716.4
12.5°	529.0	551.5	573.7	596.2	617.5	638.6	660.3	682.2	703.5	724.0	743.0
11.25°	541.6	564.5	587.9	611.1	633.1	656.2	679.9	703.5	726.5	748.4	766.8
10°	552.8	576.7	601.3	624.2	648.1	673.3	698.7	724.0	748.4	769.4	786.1
8.75°	563.0	587.9	612.8	637.0	662.8	689.5	716.4	743.0	766.8	786.1	802.6
7.5°	572.2	598.1	622.8	648.5	676.0	704.2	732.5	759.2	781.6	800.4	816.7
6.25°	580.1	606.8	631.9	659.2	687.8	717.2	746.6	772.8	793.8	812.4	829.0
5°	586.9	613.5	639.7	668.1	697.8	728.2	757.6	782.5	803.5	822.1	839.8
3.75°	592.3	618.8	645.9	675.3	705.9	737.0	766.2	790.3	811.2	830.1	847.9
2.5°	596.2	622.7	650.5	680.6	711.7	743.4	772.5	795.6	816.5	836.0	853.9
1.25°	598.6	625.0	653.4	683.8	715.3	747.3	775.6	798.9	819.7	839.7	857.3
0°	599.4	625.8	654.3	684.9	716.5	748.6	776.7	800.0	820.8	840.9	858.3
-1.25°	598.6	625.0	653.4	683.8	715.3	747.3	775.6	798.9	819.7	839.7	857.3
-2.5°	596.2	622.7	650.5	680.6	711.7	743.4	772.5	795.6	816.5	836.0	853.9
-3.75°	592.3	618.8	645.9	675.3	705.9	737.0	766.2	790.3	811.2	830.1	847.9
-5°	586.9	613.5	639.7	668.1	697.8	728.2	757.6	782.5	803.5	822.1	839.8
-6.25°	580.1	606.8	631.9	659.2	687.8	717.2	746.6	772.8	793.8	812.4	829.0
-7.5°	572.2	598.1	622.8	648.5	676.0	704.2	732.5	759.2	781.6	800.4	816.7
-8.75°	563.0	587.9	612.8	637.0	662.8	689.5	716.4	743.0	766.8	786.1	802.6
-10°	552.8	576.7	601.3	624.2	648.1	673.3	698.7	724.0	748.4	769.4	786.1
-11.25°	541.6	564.5	587.9	611.1	633.1	656.2	679.9	703.5	726.5	748.4	766.8
-12.5°	529.0	551.5	573.7	596.2	617.5	638.6	660.3	682.2	703.5	724.0	743.0
-13.75°	515.2	537.6	558.7	579.9	601.3	620.8	640.4	660.3	679.9	698.7	716.4
-15°	500.2	522.3	543.3	563.2	583.0	603.0	620.8	638.6	656.2	673.3	689.5
-16.25°	482.9	505.8	526.6	546.1	564.7	583.0	601.3	617.5	633.1	648.1	662.8
-17.5°	463.7	487.5	508.6	528.0	546.1	563.2	579.9	596.2	611.1	624.2	637.0
-18.75°	442.1	466.9	489.0	508.6	526.6	543.3	558.7	573.7	587.9	601.3	612.8
-20°	415.4	443.9	466.9	487.5	505.8	522.3	537.6	551.5	564.5	576.7	587.9
-21.25°	390.6	415.4	442.1	463.7	482.9	500.2	515.2	529.0	541.6	552.8	563.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	366.3	389.0	411.7	436.4	457.2	475.4	491.4	505.3	517.8	528.8	538.7
-23.75°	341.8	363.4	384.3	405.1	427.0	447.6	464.4	479.2	492.4	503.6	513.3
-25°	316.7	337.5	357.5	376.7	395.5	413.9	433.3	450.0	463.8	475.8	486.1
-26.25°	293.6	311.3	330.4	348.8	366.3	382.9	399.1	414.7	430.5	444.7	455.4
-27.5°	270.5	287.6	304.0	320.5	337.3	353.1	368.0	381.8	395.0	407.1	418.9
-28.75°	247.5	263.4	279.2	294.3	308.5	323.1	337.4	350.6	362.7	373.7	383.5
-30°	226.5	240.5	254.1	268.6	282.3	295.2	307.2	319.1	330.7	341.2	350.6
-31.25°	205.2	218.6	231.5	243.8	255.8	268.2	279.7	290.4	300.2	309.1	317.5
-32.5°	185.7	196.8	208.9	220.7	231.8	242.3	252.1	262.3	271.7	280.2	287.7
-33.75°	167.1	177.8	187.9	197.6	208.2	218.2	227.5	236.2	244.1	251.2	258.4
-35°	149.2	158.6	168.3	177.6	186.4	194.6	202.9	211.2	218.8	225.6	231.7
-36.25°	134.5	142.2	149.5	157.5	165.9	173.8	181.1	187.9	194.1	199.9	205.7
-37.5°	119.7	127.1	134.1	140.7	147.0	152.9	160.0	166.5	172.4	177.7	182.5
-38.75°	106.4	112.6	118.6	125.0	131.0	136.6	141.8	146.7	151.1	155.8	160.3
-40°	93.5	99.4	105.0	110.2	115.2	120.3	125.3	130.0	134.2	138.0	141.3
-41.25°	79.9	86.1	91.5	96.6	101.3	105.8	109.9	113.7	117.2	120.9	124.1
-42.5°	65.7	71.6	77.2	82.5	87.4	91.7	95.7	99.3	102.7	105.7	108.3
-43.75°	51.7	57.1	62.5	67.6	72.3	76.8	80.9	84.7	88.1	90.9	93.5
-45°	39.1	43.9	48.4	52.7	57.1	61.4	65.4	69.0	72.3	75.3	78.0
-46.25°	26.4	31.0	35.4	39.5	43.4	47.0	50.3	53.4	56.5	59.4	61.9
-47.5°	19.9	21.8	23.7	26.2	29.9	33.4	36.6	39.6	42.2	44.6	46.8
-48.75°	14.2	16.1	17.9	19.6	21.1	22.6	24.0	25.7	28.3	30.6	32.6
-50°	11.8	11.9	12.0	13.6	15.1	16.5	17.9	19.1	20.2	21.2	22.0
-51.25°	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.9	13.9	14.9	15.7
-52.5°	11.1	11.2	11.3	11.4	11.4	11.5	11.6	11.7	11.7	11.8	11.8
-53.75°	10.7	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4	11.4
-55°	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.0	11.1
-56.25°	10.0	10.1	10.2	10.2	10.3	10.4	10.5	10.5	10.6	10.6	10.7
-57.5°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.2	10.3
-58.75°	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9
-60°	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.4	9.4	9.4	9.5
-61.25°	8.8	8.8	8.8	8.8	8.8	8.9	8.9	9.0	9.0	9.0	9.1
-62.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-63.75°	8.6	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-65°	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.6	8.7	8.7
-66.25°	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.3	8.3
-67.5°	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9
-68.75°	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5	7.5
-70°	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1
-71.25°	6.4	6.4	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.7	6.7
-72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-73.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-75°	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3
-76.25°	5.7	5.7	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9
-77.5°	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7
-80°	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0
-81.25°	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6
-82.5°	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2
-83.75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8
-85°	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4
-86.25°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6
-87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
83.75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
81.25°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
78.75°	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
76.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
73.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
71.25°	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
70°	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
68.75°	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
67.5°	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
66.25°	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
65°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
63.75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
62.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
61.25°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
60°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
58.75°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
57.5°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
56.25°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
55°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
53.75°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
52.5°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
51.25°	16.4	17.0	17.5	17.9	18.2	18.4	18.5	18.4	18.2	17.9	17.5
50°	22.8	23.4	24.0	24.4	24.7	24.8	24.9	24.8	24.7	24.4	24.0
48.75°	34.4	35.9	37.1	38.1	38.8	39.2	39.4	39.2	38.8	38.1	37.1
47.5°	48.6	50.2	51.5	52.5	53.2	53.7	53.8	53.7	53.2	52.5	51.5
46.25°	64.1	66.0	67.5	68.7	69.6	70.1	70.2	70.1	69.6	68.7	67.5
45°	80.3	82.2	83.8	85.1	86.0	86.5	86.7	86.5	86.0	85.1	83.8
43.75°	95.7	97.6	99.1	100.3	101.2	101.7	101.9	101.7	101.2	100.3	99.1
42.5°	110.6	112.6	114.2	115.5	116.4	116.9	117.1	116.9	116.4	115.5	114.2
41.25°	126.9	129.3	131.3	132.8	133.9	134.6	134.8	134.6	133.9	132.8	131.3
40°	144.3	146.8	148.8	150.4	151.6	152.3	152.5	152.3	151.6	150.4	148.8
38.75°	164.3	167.6	170.4	172.6	174.1	175.0	175.4	175.0	174.1	172.6	170.4
37.5°	186.6	190.1	193.0	195.3	196.9	197.9	198.2	197.9	196.9	195.3	193.0
36.25°	210.8	215.1	218.7	221.5	223.5	224.7	225.1	224.7	223.5	221.5	218.7
35°	237.0	241.5	245.2	248.1	250.2	251.5	251.9	251.5	250.2	248.1	245.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	264.7	270.0	274.5	277.9	280.4	281.9	282.4	281.9	280.4	277.9	274.5
32.5°	294.3	300.0	304.6	308.2	310.8	312.4	312.9	312.4	310.8	308.2	304.6
31.25°	325.4	332.0	337.5	341.8	344.9	346.8	347.4	346.8	344.9	341.8	337.5
30°	358.8	365.8	371.5	376.1	379.3	381.2	381.9	381.2	379.3	376.1	371.5
28.75°	392.6	400.3	406.6	411.7	415.8	418.2	419.0	418.2	415.8	411.7	406.6
27.5°	429.6	438.9	446.0	450.9	454.5	456.6	457.4	456.6	454.5	450.9	446.0
26.25°	464.8	472.7	478.8	483.5	486.9	489.0	489.7	489.0	486.9	483.5	478.8
25°	495.1	502.2	507.9	512.4	515.7	517.6	518.3	517.6	515.7	512.4	507.9
23.75°	521.8	528.9	534.8	539.4	542.6	544.6	545.2	544.6	542.6	539.4	534.8
22.5°	547.2	554.5	560.5	565.3	568.9	571.0	571.7	571.0	568.9	565.3	560.5
21.25°	572.2	580.1	586.9	592.3	596.2	598.6	599.4	598.6	596.2	592.3	586.9
20°	598.1	606.8	613.5	618.8	622.7	625.0	625.8	625.0	622.7	618.8	613.5
18.75°	622.8	631.9	639.7	645.9	650.5	653.4	654.3	653.4	650.5	645.9	639.7
17.5°	648.5	659.2	668.1	675.3	680.6	683.8	684.9	683.8	680.6	675.3	668.1
16.25°	676.0	687.8	697.8	705.9	711.7	715.3	716.5	715.3	711.7	705.9	697.8
15°	704.2	717.2	728.2	737.0	743.4	747.3	748.6	747.3	743.4	737.0	728.2
13.75°	732.5	746.6	757.6	766.2	772.5	775.6	776.7	775.6	772.5	766.2	757.6
12.5°	759.2	772.8	782.5	790.3	795.6	798.9	800.0	798.9	795.6	790.3	782.5
11.25°	781.6	793.8	803.5	811.2	816.5	819.7	820.8	819.7	816.5	811.2	803.5
10°	800.4	812.4	822.1	830.1	836.0	839.7	840.9	839.7	836.0	830.1	822.1
8.75°	816.7	829.0	839.8	847.9	853.9	857.3	858.3	857.3	853.9	847.9	839.8
7.5°	831.4	844.5	855.2	862.8	868.2	870.6	871.4	870.6	868.2	862.8	855.2
6.25°	844.5	857.4	867.4	873.1	875.8	876.4	876.6	876.4	875.8	873.1	867.4
5°	855.2	867.4	874.9	876.6	875.7	874.3	873.8	874.3	875.7	876.6	874.9
3.75°	862.8	873.1	876.6	874.8	870.6	867.1	865.6	867.1	870.6	874.8	876.6
2.5°	868.2	875.8	875.7	870.6	864.0	858.8	856.9	858.8	864.0	870.6	875.7
1.25°	870.6	876.4	874.3	867.1	858.8	853.3	852.5	853.3	858.8	867.1	874.3
0°	871.4	876.6	873.8	865.6	856.9	852.5	854.5	852.5	856.9	865.6	873.8
-1.25°	870.6	876.4	874.3	867.1	858.8	853.3	852.5	853.3	858.8	867.1	874.3
-2.5°	868.2	875.8	875.7	870.6	864.0	858.8	856.9	858.8	864.0	870.6	875.7
-3.75°	862.8	873.1	876.6	874.8	870.6	867.1	865.6	867.1	870.6	874.8	876.6
-5°	855.2	867.4	874.9	876.6	875.7	874.3	873.8	874.3	875.7	876.6	874.9
-6.25°	844.5	857.4	867.4	873.1	875.8	876.4	876.6	876.4	875.8	873.1	867.4
-7.5°	831.4	844.5	855.2	862.8	868.2	870.6	871.4	870.6	868.2	862.8	855.2
-8.75°	816.7	829.0	839.8	847.9	853.9	857.3	858.3	857.3	853.9	847.9	839.8
-10°	800.4	812.4	822.1	830.1	836.0	839.7	840.9	839.7	836.0	830.1	822.1
-11.25°	781.6	793.8	803.5	811.2	816.5	819.7	820.8	819.7	816.5	811.2	803.5
-12.5°	759.2	772.8	782.5	790.3	795.6	798.9	800.0	798.9	795.6	790.3	782.5
-13.75°	732.5	746.6	757.6	766.2	772.5	775.6	776.7	775.6	772.5	766.2	757.6
-15°	704.2	717.2	728.2	737.0	743.4	747.3	748.6	747.3	743.4	737.0	728.2
-16.25°	676.0	687.8	697.8	705.9	711.7	715.3	716.5	715.3	711.7	705.9	697.8
-17.5°	648.5	659.2	668.1	675.3	680.6	683.8	684.9	683.8	680.6	675.3	668.1
-18.75°	622.8	631.9	639.7	645.9	650.5	653.4	654.3	653.4	650.5	645.9	639.7
-20°	598.1	606.8	613.5	618.8	622.7	625.0	625.8	625.0	622.7	618.8	613.5
-21.25°	572.2	580.1	586.9	592.3	596.2	598.6	599.4	598.6	596.2	592.3	586.9



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	547.2	554.5	560.5	565.3	568.9	571.0	571.7	571.0	568.9	565.3	560.5
-23.75°	521.8	528.9	534.8	539.4	542.6	544.6	545.2	544.6	542.6	539.4	534.8
-25°	495.1	502.2	507.9	512.4	515.7	517.6	518.3	517.6	515.7	512.4	507.9
-26.25°	464.8	472.7	478.8	483.5	486.9	489.0	489.7	489.0	486.9	483.5	478.8
-27.5°	429.6	438.9	446.0	450.9	454.5	456.6	457.4	456.6	454.5	450.9	446.0
-28.75°	392.6	400.3	406.6	411.7	415.8	418.2	419.0	418.2	415.8	411.7	406.6
-30°	358.8	365.8	371.5	376.1	379.3	381.2	381.9	381.2	379.3	376.1	371.5
-31.25°	325.4	332.0	337.5	341.8	344.9	346.8	347.4	346.8	344.9	341.8	337.5
-32.5°	294.3	300.0	304.6	308.2	310.8	312.4	312.9	312.4	310.8	308.2	304.6
-33.75°	264.7	270.0	274.5	277.9	280.4	281.9	282.4	281.9	280.4	277.9	274.5
-35°	237.0	241.5	245.2	248.1	250.2	251.5	251.9	251.5	250.2	248.1	245.2
-36.25°	210.8	215.1	218.7	221.5	223.5	224.7	225.1	224.7	223.5	221.5	218.7
-37.5°	186.6	190.1	193.0	195.3	196.9	197.9	198.2	197.9	196.9	195.3	193.0
-38.75°	164.3	167.6	170.4	172.6	174.1	175.0	175.4	175.0	174.1	172.6	170.4
-40°	144.3	146.8	148.8	150.4	151.6	152.3	152.5	152.3	151.6	150.4	148.8
-41.25°	126.9	129.3	131.3	132.8	133.9	134.6	134.8	134.6	133.9	132.8	131.3
-42.5°	110.6	112.6	114.2	115.5	116.4	116.9	117.1	116.9	116.4	115.5	114.2
-43.75°	95.7	97.6	99.1	100.3	101.2	101.7	101.9	101.7	101.2	100.3	99.1
-45°	80.3	82.2	83.8	85.1	86.0	86.5	86.7	86.5	86.0	85.1	83.8
-46.25°	64.1	66.0	67.5	68.7	69.6	70.1	70.2	70.1	69.6	68.7	67.5
-47.5°	48.6	50.2	51.5	52.5	53.2	53.7	53.8	53.7	53.2	52.5	51.5
-48.75°	34.4	35.9	37.1	38.1	38.8	39.2	39.4	39.2	38.8	38.1	37.1
-50°	22.8	23.4	24.0	24.4	24.7	24.8	24.9	24.8	24.7	24.4	24.0
-51.25°	16.4	17.0	17.5	17.9	18.2	18.4	18.5	18.4	18.2	17.9	17.5
-52.5°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
-53.75°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
-55°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
-56.25°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
-57.5°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-58.75°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-60°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-61.25°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-62.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-63.75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-65°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-66.25°	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
-67.5°	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-68.75°	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-70°	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
-71.25°	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
-72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-73.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-76.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-77.5°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-81.25°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
-83.75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
-85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-86.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5
85°	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.2
83.75°	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7
82.5°	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1
81.25°	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.8
78.75°	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4
77.5°	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.2	5.2
76.25°	6.0	6.0	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8
75°	6.4	6.4	6.3	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.1
73.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
71.25°	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.5	6.5
70°	7.2	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.8
68.75°	7.6	7.5	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2
67.5°	8.0	7.9	7.9	7.9	7.9	7.8	7.8	7.7	7.7	7.6	7.6
66.25°	8.4	8.3	8.3	8.3	8.2	8.2	8.2	8.1	8.1	8.0	8.0
65°	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.4	8.3
63.75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.7
62.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
61.25°	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.8	8.8
60°	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.2	9.2	9.1	9.0
58.75°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.4
57.5°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8
56.25°	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.2	10.2
55°	11.1	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7	10.6	10.5
53.75°	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	10.9
52.5°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.5	11.4	11.4	11.3
51.25°	17.0	16.4	15.7	14.9	13.9	12.9	12.0	11.9	11.8	11.7	11.6
50°	23.4	22.8	22.0	21.2	20.2	19.1	17.9	16.5	15.1	13.6	12.0
48.75°	35.9	34.4	32.6	30.6	28.3	25.7	24.0	22.6	21.1	19.6	17.9
47.5°	50.2	48.6	46.8	44.6	42.2	39.6	36.6	33.4	29.9	26.2	23.7
46.25°	66.0	64.1	61.9	59.4	56.5	53.4	50.3	47.0	43.4	39.5	35.4
45°	82.2	80.3	78.0	75.3	72.3	69.0	65.4	61.4	57.1	52.7	48.4
43.75°	97.6	95.7	93.5	90.9	88.1	84.7	80.9	76.8	72.3	67.6	62.5
42.5°	112.6	110.6	108.3	105.7	102.7	99.3	95.7	91.7	87.4	82.5	77.2
41.25°	129.3	126.9	124.1	120.9	117.2	113.7	109.9	105.8	101.3	96.6	91.5
40°	146.8	144.3	141.3	138.0	134.2	130.0	125.3	120.3	115.2	110.2	105.0
38.75°	167.6	164.3	160.3	155.8	151.1	146.7	141.8	136.6	131.0	125.0	118.6
37.5°	190.1	186.6	182.5	177.7	172.4	166.5	160.0	152.9	147.0	140.7	134.1
36.25°	215.1	210.8	205.7	199.9	194.1	187.9	181.1	173.8	165.9	157.5	149.5
35°	241.5	237.0	231.7	225.6	218.8	211.2	202.9	194.6	186.4	177.6	168.3



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	270.0	264.7	258.4	251.2	244.1	236.2	227.5	218.2	208.2	197.6	187.9
32.5°	300.0	294.3	287.7	280.2	271.7	262.3	252.1	242.3	231.8	220.7	208.9
31.25°	332.0	325.4	317.5	309.1	300.2	290.4	279.7	268.2	255.8	243.8	231.5
30°	365.8	358.8	350.6	341.2	330.7	319.1	307.2	295.2	282.3	268.6	254.1
28.75°	400.3	392.6	383.5	373.7	362.7	350.6	337.4	323.1	308.5	294.3	279.2
27.5°	438.9	429.6	418.9	407.1	395.0	381.8	368.0	353.1	337.3	320.5	304.0
26.25°	472.7	464.8	455.4	444.7	430.5	414.7	399.1	382.9	366.3	348.8	330.4
25°	502.2	495.1	486.1	475.8	463.8	450.0	433.3	413.9	395.5	376.7	357.5
23.75°	528.9	521.8	513.3	503.6	492.4	479.2	464.4	447.6	427.0	405.1	384.3
22.5°	554.5	547.2	538.7	528.8	517.8	505.3	491.4	475.4	457.2	436.4	411.7
21.25°	580.1	572.2	563.0	552.8	541.6	529.0	515.2	500.2	482.9	463.7	442.1
20°	606.8	598.1	587.9	576.7	564.5	551.5	537.6	522.3	505.8	487.5	466.9
18.75°	631.9	622.8	612.8	601.3	587.9	573.7	558.7	543.3	526.6	508.6	489.0
17.5°	659.2	648.5	637.0	624.2	611.1	596.2	579.9	563.2	546.1	528.0	508.6
16.25°	687.8	676.0	662.8	648.1	633.1	617.5	601.3	583.0	564.7	546.1	526.6
15°	717.2	704.2	689.5	673.3	656.2	638.6	620.8	603.0	583.0	563.2	543.3
13.75°	746.6	732.5	716.4	698.7	679.9	660.3	640.4	620.8	601.3	579.9	558.7
12.5°	772.8	759.2	743.0	724.0	703.5	682.2	660.3	638.6	617.5	596.2	573.7
11.25°	793.8	781.6	766.8	748.4	726.5	703.5	679.9	656.2	633.1	611.1	587.9
10°	812.4	800.4	786.1	769.4	748.4	724.0	698.7	673.3	648.1	624.2	601.3
8.75°	829.0	816.7	802.6	786.1	766.8	743.0	716.4	689.5	662.8	637.0	612.8
7.5°	844.5	831.4	816.7	800.4	781.6	759.2	732.5	704.2	676.0	648.5	622.8
6.25°	857.4	844.5	829.0	812.4	793.8	772.8	746.6	717.2	687.8	659.2	631.9
5°	867.4	855.2	839.8	822.1	803.5	782.5	757.6	728.2	697.8	668.1	639.7
3.75°	873.1	862.8	847.9	830.1	811.2	790.3	766.2	737.0	705.9	675.3	645.9
2.5°	875.8	868.2	853.9	836.0	816.5	795.6	772.5	743.4	711.7	680.6	650.5
1.25°	876.4	870.6	857.3	839.7	819.7	798.9	775.6	747.3	715.3	683.8	653.4
0°	876.6	871.4	858.3	840.9	820.8	800.0	776.7	748.6	716.5	684.9	654.3
-1.25°	876.4	870.6	857.3	839.7	819.7	798.9	775.6	747.3	715.3	683.8	653.4
-2.5°	875.8	868.2	853.9	836.0	816.5	795.6	772.5	743.4	711.7	680.6	650.5
-3.75°	873.1	862.8	847.9	830.1	811.2	790.3	766.2	737.0	705.9	675.3	645.9
-5°	867.4	855.2	839.8	822.1	803.5	782.5	757.6	728.2	697.8	668.1	639.7
-6.25°	857.4	844.5	829.0	812.4	793.8	772.8	746.6	717.2	687.8	659.2	631.9
-7.5°	844.5	831.4	816.7	800.4	781.6	759.2	732.5	704.2	676.0	648.5	622.8
-8.75°	829.0	816.7	802.6	786.1	766.8	743.0	716.4	689.5	662.8	637.0	612.8
-10°	812.4	800.4	786.1	769.4	748.4	724.0	698.7	673.3	648.1	624.2	601.3
-11.25°	793.8	781.6	766.8	748.4	726.5	703.5	679.9	656.2	633.1	611.1	587.9
-12.5°	772.8	759.2	743.0	724.0	703.5	682.2	660.3	638.6	617.5	596.2	573.7
-13.75°	746.6	732.5	716.4	698.7	679.9	660.3	640.4	620.8	601.3	579.9	558.7
-15°	717.2	704.2	689.5	673.3	656.2	638.6	620.8	603.0	583.0	563.2	543.3
-16.25°	687.8	676.0	662.8	648.1	633.1	617.5	601.3	583.0	564.7	546.1	526.6
-17.5°	659.2	648.5	637.0	624.2	611.1	596.2	579.9	563.2	546.1	528.0	508.6
-18.75°	631.9	622.8	612.8	601.3	587.9	573.7	558.7	543.3	526.6	508.6	489.0
-20°	606.8	598.1	587.9	576.7	564.5	551.5	537.6	522.3	505.8	487.5	466.9
-21.25°	580.1	572.2	563.0	552.8	541.6	529.0	515.2	500.2	482.9	463.7	442.1



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	554.5	547.2	538.7	528.8	517.8	505.3	491.4	475.4	457.2	436.4	411.7
-23.75°	528.9	521.8	513.3	503.6	492.4	479.2	464.4	447.6	427.0	405.1	384.3
-25°	502.2	495.1	486.1	475.8	463.8	450.0	433.3	413.9	395.5	376.7	357.5
-26.25°	472.7	464.8	455.4	444.7	430.5	414.7	399.1	382.9	366.3	348.8	330.4
-27.5°	438.9	429.6	418.9	407.1	395.0	381.8	368.0	353.1	337.3	320.5	304.0
-28.75°	400.3	392.6	383.5	373.7	362.7	350.6	337.4	323.1	308.5	294.3	279.2
-30°	365.8	358.8	350.6	341.2	330.7	319.1	307.2	295.2	282.3	268.6	254.1
-31.25°	332.0	325.4	317.5	309.1	300.2	290.4	279.7	268.2	255.8	243.8	231.5
-32.5°	300.0	294.3	287.7	280.2	271.7	262.3	252.1	242.3	231.8	220.7	208.9
-33.75°	270.0	264.7	258.4	251.2	244.1	236.2	227.5	218.2	208.2	197.6	187.9
-35°	241.5	237.0	231.7	225.6	218.8	211.2	202.9	194.6	186.4	177.6	168.3
-36.25°	215.1	210.8	205.7	199.9	194.1	187.9	181.1	173.8	165.9	157.5	149.5
-37.5°	190.1	186.6	182.5	177.7	172.4	166.5	160.0	152.9	147.0	140.7	134.1
-38.75°	167.6	164.3	160.3	155.8	151.1	146.7	141.8	136.6	131.0	125.0	118.6
-40°	146.8	144.3	141.3	138.0	134.2	130.0	125.3	120.3	115.2	110.2	105.0
-41.25°	129.3	126.9	124.1	120.9	117.2	113.7	109.9	105.8	101.3	96.6	91.5
-42.5°	112.6	110.6	108.3	105.7	102.7	99.3	95.7	91.7	87.4	82.5	77.2
-43.75°	97.6	95.7	93.5	90.9	88.1	84.7	80.9	76.8	72.3	67.6	62.5
-45°	82.2	80.3	78.0	75.3	72.3	69.0	65.4	61.4	57.1	52.7	48.4
-46.25°	66.0	64.1	61.9	59.4	56.5	53.4	50.3	47.0	43.4	39.5	35.4
-47.5°	50.2	48.6	46.8	44.6	42.2	39.6	36.6	33.4	29.9	26.2	23.7
-48.75°	35.9	34.4	32.6	30.6	28.3	25.7	24.0	22.6	21.1	19.6	17.9
-50°	23.4	22.8	22.0	21.2	20.2	19.1	17.9	16.5	15.1	13.6	12.0
-51.25°	17.0	16.4	15.7	14.9	13.9	12.9	12.0	11.9	11.8	11.7	11.6
-52.5°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.5	11.4	11.4	11.3
-53.75°	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	10.9
-55°	11.1	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7	10.6	10.5
-56.25°	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.2	10.2
-57.5°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8
-58.75°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.4
-60°	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.2	9.2	9.1	9.0
-61.25°	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.8	8.8
-62.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-63.75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.7
-65°	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.4	8.3
-66.25°	8.4	8.3	8.3	8.3	8.2	8.2	8.2	8.1	8.1	8.0	8.0
-67.5°	8.0	7.9	7.9	7.9	7.9	7.8	7.8	7.7	7.7	7.6	7.6
-68.75°	7.6	7.5	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2
-70°	7.2	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.8
-71.25°	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.5	6.5
-72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-73.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-75°	6.4	6.4	6.3	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.1
-76.25°	6.0	6.0	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8
-77.5°	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.2	5.2



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4
-80°	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.8
-81.25°	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-82.5°	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1
-83.75°	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7
-85°	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.2
-86.25°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2
85°	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
83.75°	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
82.5°	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.8
81.25°	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.2
80°	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5
78.75°	4.4	4.3	4.2	4.2	4.1	4.0	4.0	4.0	3.9	3.9	3.8
77.5°	5.1	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3
76.25°	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3	5.2	5.1	5.0
75°	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6
73.75°	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.1	6.1	6.0	6.0
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3
71.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.4	6.4
68.75°	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5
67.5°	7.5	7.5	7.4	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8
66.25°	7.9	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.2
65°	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.8	7.7	7.6	7.5
63.75°	8.7	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8
62.5°	8.8	8.8	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
61.25°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.6	8.5
60°	9.0	8.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
58.75°	9.3	9.3	9.2	9.1	9.0	8.9	8.8	8.8	8.8	8.8	8.8
57.5°	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.8
56.25°	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	9.1	8.9
55°	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4	9.3
53.75°	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.7	9.6
52.5°	11.2	11.1	11.0	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.9
51.25°	11.5	11.4	11.3	11.2	11.1	10.9	10.8	10.7	10.5	10.4	10.2
50°	11.9	11.8	11.7	11.5	11.4	11.3	11.1	11.0	10.8	10.7	10.5
48.75°	16.1	14.2	12.1	11.9	11.7	11.6	11.5	11.3	11.1	11.0	10.8
47.5°	21.8	19.9	17.8	15.6	13.3	11.9	11.8	11.6	11.5	11.3	11.1
46.25°	31.0	26.4	23.4	21.1	18.8	16.3	13.7	11.9	11.8	11.6	11.4
45°	43.9	39.1	34.0	28.7	24.2	21.6	18.9	16.2	13.3	11.9	11.7
43.75°	57.1	51.7	46.5	41.0	35.3	29.3	24.1	21.3	18.3	15.3	12.2
42.5°	71.6	65.7	59.5	53.1	47.2	41.0	34.6	28.0	23.2	20.1	16.9
41.25°	86.1	79.9	73.5	66.8	59.8	52.6	46.0	39.2	32.1	24.9	21.6
40°	99.4	93.5	87.3	80.4	73.1	65.6	57.8	50.2	42.9	35.4	27.7
38.75°	112.6	106.4	100.0	93.4	86.4	78.6	70.5	62.2	53.6	45.9	37.9
37.5°	127.1	119.7	112.7	105.7	98.5	91.1	83.1	74.5	65.6	56.5	48.0
36.25°	142.2	134.5	126.5	118.1	110.5	102.8	94.8	86.6	77.5	68.1	58.5
35°	158.6	149.2	140.9	132.3	123.3	114.4	106.2	97.7	89.0	79.5	69.6



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	177.8	167.1	156.0	146.2	136.9	127.3	117.4	108.6	99.6	90.4	80.5
32.5°	196.8	185.7	174.2	162.2	150.4	140.5	130.2	119.7	110.0	100.6	90.9
31.25°	218.6	205.2	192.2	179.8	166.9	153.6	142.8	132.0	120.8	110.5	100.6
30°	240.5	226.5	211.9	197.0	183.8	170.1	156.0	144.0	132.5	120.8	110.0
28.75°	263.4	247.5	232.5	216.8	200.7	186.2	171.6	156.8	144.0	132.0	119.7
27.5°	287.6	270.5	252.7	236.5	219.8	202.6	187.0	171.6	156.0	142.8	130.2
26.25°	311.3	293.6	275.2	256.2	238.5	220.8	202.6	186.2	170.1	153.6	140.5
25°	337.5	316.7	297.2	277.6	257.4	238.5	219.8	200.7	183.8	166.9	150.4
23.75°	363.4	341.8	319.5	298.5	277.6	256.2	236.5	216.8	197.0	179.8	162.2
22.5°	389.0	366.3	343.3	319.5	297.2	275.2	252.7	232.5	211.9	192.2	174.2
21.25°	415.4	390.6	366.3	341.8	316.7	293.6	270.5	247.5	226.5	205.2	185.7
20°	443.9	415.4	389.0	363.4	337.5	311.3	287.6	263.4	240.5	218.6	196.8
18.75°	466.9	442.1	411.7	384.3	357.5	330.4	304.0	279.2	254.1	231.5	208.9
17.5°	487.5	463.7	436.4	405.1	376.7	348.8	320.5	294.3	268.6	243.8	220.7
16.25°	505.8	482.9	457.2	427.0	395.5	366.3	337.3	308.5	282.3	255.8	231.8
15°	522.3	500.2	475.4	447.6	413.9	382.9	353.1	323.1	295.2	268.2	242.3
13.75°	537.6	515.2	491.4	464.4	433.3	399.1	368.0	337.4	307.2	279.7	252.1
12.5°	551.5	529.0	505.3	479.2	450.0	414.7	381.8	350.6	319.1	290.4	262.3
11.25°	564.5	541.6	517.8	492.4	463.8	430.5	395.0	362.7	330.7	300.2	271.7
10°	576.7	552.8	528.8	503.6	475.8	444.7	407.1	373.7	341.2	309.1	280.2
8.75°	587.9	563.0	538.7	513.3	486.1	455.4	418.9	383.5	350.6	317.5	287.7
7.5°	598.1	572.2	547.2	521.8	495.1	464.8	429.6	392.6	358.8	325.4	294.3
6.25°	606.8	580.1	554.5	528.9	502.2	472.7	438.9	400.3	365.8	332.0	300.0
5°	613.5	586.9	560.5	534.8	507.9	478.8	446.0	406.6	371.5	337.5	304.6
3.75°	618.8	592.3	565.3	539.4	512.4	483.5	450.9	411.7	376.1	341.8	308.2
2.5°	622.7	596.2	568.9	542.6	515.7	486.9	454.5	415.8	379.3	344.9	310.8
1.25°	625.0	598.6	571.0	544.6	517.6	489.0	456.6	418.2	381.2	346.8	312.4
0°	625.8	599.4	571.7	545.2	518.3	489.7	457.4	419.0	381.9	347.4	312.9
-1.25°	625.0	598.6	571.0	544.6	517.6	489.0	456.6	418.2	381.2	346.8	312.4
-2.5°	622.7	596.2	568.9	542.6	515.7	486.9	454.5	415.8	379.3	344.9	310.8
-3.75°	618.8	592.3	565.3	539.4	512.4	483.5	450.9	411.7	376.1	341.8	308.2
-5°	613.5	586.9	560.5	534.8	507.9	478.8	446.0	406.6	371.5	337.5	304.6
-6.25°	606.8	580.1	554.5	528.9	502.2	472.7	438.9	400.3	365.8	332.0	300.0
-7.5°	598.1	572.2	547.2	521.8	495.1	464.8	429.6	392.6	358.8	325.4	294.3
-8.75°	587.9	563.0	538.7	513.3	486.1	455.4	418.9	383.5	350.6	317.5	287.7
-10°	576.7	552.8	528.8	503.6	475.8	444.7	407.1	373.7	341.2	309.1	280.2
-11.25°	564.5	541.6	517.8	492.4	463.8	430.5	395.0	362.7	330.7	300.2	271.7
-12.5°	551.5	529.0	505.3	479.2	450.0	414.7	381.8	350.6	319.1	290.4	262.3
-13.75°	537.6	515.2	491.4	464.4	433.3	399.1	368.0	337.4	307.2	279.7	252.1
-15°	522.3	500.2	475.4	447.6	413.9	382.9	353.1	323.1	295.2	268.2	242.3
-16.25°	505.8	482.9	457.2	427.0	395.5	366.3	337.3	308.5	282.3	255.8	231.8
-17.5°	487.5	463.7	436.4	405.1	376.7	348.8	320.5	294.3	268.6	243.8	220.7
-18.75°	466.9	442.1	411.7	384.3	357.5	330.4	304.0	279.2	254.1	231.5	208.9
-20°	443.9	415.4	389.0	363.4	337.5	311.3	287.6	263.4	240.5	218.6	196.8
-21.25°	415.4	390.6	366.3	341.8	316.7	293.6	270.5	247.5	226.5	205.2	185.7



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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°	389.0	366.3	343.3	319.5	297.2	275.2	252.7	232.5	211.9	192.2	174.2
-23.75°	363.4	341.8	319.5	298.5	277.6	256.2	236.5	216.8	197.0	179.8	162.2
-25°	337.5	316.7	297.2	277.6	257.4	238.5	219.8	200.7	183.8	166.9	150.4
-26.25°	311.3	293.6	275.2	256.2	238.5	220.8	202.6	186.2	170.1	153.6	140.5
-27.5°	287.6	270.5	252.7	236.5	219.8	202.6	187.0	171.6	156.0	142.8	130.2
-28.75°	263.4	247.5	232.5	216.8	200.7	186.2	171.6	156.8	144.0	132.0	119.7
-30°	240.5	226.5	211.9	197.0	183.8	170.1	156.0	144.0	132.5	120.8	110.0
-31.25°	218.6	205.2	192.2	179.8	166.9	153.6	142.8	132.0	120.8	110.5	100.6
-32.5°	196.8	185.7	174.2	162.2	150.4	140.5	130.2	119.7	110.0	100.6	90.9
-33.75°	177.8	167.1	156.0	146.2	136.9	127.3	117.4	108.6	99.6	90.4	80.5
-35°	158.6	149.2	140.9	132.3	123.3	114.4	106.2	97.7	89.0	79.5	69.6
-36.25°	142.2	134.5	126.5	118.1	110.5	102.8	94.8	86.6	77.5	68.1	58.5
-37.5°	127.1	119.7	112.7	105.7	98.5	91.1	83.1	74.5	65.6	56.5	48.0
-38.75°	112.6	106.4	100.0	93.4	86.4	78.6	70.5	62.2	53.6	45.9	37.9
-40°	99.4	93.5	87.3	80.4	73.1	65.6	57.8	50.2	42.9	35.4	27.7
-41.25°	86.1	79.9	73.5	66.8	59.8	52.6	46.0	39.2	32.1	24.9	21.6
-42.5°	71.6	65.7	59.5	53.1	47.2	41.0	34.6	28.0	23.2	20.1	16.9
-43.75°	57.1	51.7	46.5	41.0	35.3	29.3	24.1	21.3	18.3	15.3	12.2
-45°	43.9	39.1	34.0	28.7	24.2	21.6	18.9	16.2	13.3	11.9	11.7
-46.25°	31.0	26.4	23.4	21.1	18.8	16.3	13.7	11.9	11.8	11.6	11.4
-47.5°	21.8	19.9	17.8	15.6	13.3	11.9	11.8	11.6	11.5	11.3	11.1
-48.75°	16.1	14.2	12.1	11.9	11.7	11.6	11.5	11.3	11.1	11.0	10.8
-50°	11.9	11.8	11.7	11.5	11.4	11.3	11.1	11.0	10.8	10.7	10.5
-51.25°	11.5	11.4	11.3	11.2	11.1	10.9	10.8	10.7	10.5	10.4	10.2
-52.5°	11.2	11.1	11.0	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.9
-53.75°	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.7	9.6
-55°	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4	9.3
-56.25°	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	9.1	8.9
-57.5°	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.8
-58.75°	9.3	9.3	9.2	9.1	9.0	8.9	8.8	8.8	8.8	8.8	8.8
-60°	9.0	8.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-61.25°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.6	8.5
-62.5°	8.8	8.8	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
-63.75°	8.7	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8
-65°	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.8	7.7	7.6	7.5
-66.25°	7.9	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.2
-67.5°	7.5	7.5	7.4	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8
-68.75°	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5
-70°	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.4	6.4
-71.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3
-73.75°	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.1	6.1	6.0	6.0
-75°	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6
-76.25°	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3	5.2	5.1	5.0
-77.5°	5.1	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	4.4	4.3	4.2	4.2	4.1	4.0	4.0	4.0	3.9	3.9	3.8
-80°	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5
-81.25°	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-82.5°	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.8
-83.75°	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
-85°	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
-86.25°	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
85°	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4
83.75°	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	2.0
82.5°	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5
81.25°	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7
80°	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0
78.75°	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.4	3.4	3.3	3.3
77.5°	4.2	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.6
76.25°	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.0	3.9	3.8
75°	5.6	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.2
73.75°	5.9	5.8	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7
72.5°	6.2	6.2	6.1	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.3
71.25°	6.4	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9	5.8	5.7
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0
68.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2
67.5°	6.7	6.6	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4
66.25°	7.1	7.0	6.9	6.8	6.7	6.6	6.4	6.4	6.4	6.4	6.4
65°	7.4	7.3	7.2	7.1	7.0	6.8	6.7	6.6	6.5	6.4	6.4
63.75°	7.7	7.6	7.5	7.4	7.3	7.1	7.0	6.9	6.8	6.6	6.5
62.5°	8.0	7.9	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.8
61.25°	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.2	7.0
60°	8.7	8.5	8.4	8.3	8.1	8.0	7.9	7.7	7.6	7.4	7.3
58.75°	8.8	8.8	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.7	7.5
57.5°	8.8	8.8	8.8	8.8	8.7	8.6	8.4	8.3	8.1	7.9	7.8
56.25°	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.5	8.4	8.2	8.0
55°	9.1	9.0	8.8	8.8	8.8	8.8	8.8	8.8	8.6	8.5	8.3
53.75°	9.4	9.3	9.1	9.0	8.8	8.8	8.8	8.8	8.8	8.7	8.5
52.5°	9.7	9.6	9.4	9.2	9.1	8.9	8.8	8.8	8.8	8.8	8.8
51.25°	10.0	9.9	9.7	9.5	9.4	9.2	9.0	8.8	8.8	8.8	8.8
50°	10.3	10.2	10.0	9.8	9.6	9.4	9.2	9.1	8.9	8.8	8.8
48.75°	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.8
47.5°	10.9	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1	8.9
46.25°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1
45°	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.8	9.6	9.4
43.75°	11.8	11.6	11.4	11.2	11.0	10.8	10.5	10.3	10.1	9.8	9.6
42.5°	13.6	11.9	11.7	11.5	11.2	11.0	10.8	10.5	10.3	10.1	9.8
41.25°	18.2	14.7	11.9	11.7	11.5	11.3	11.0	10.8	10.5	10.3	10.0
40°	22.7	19.1	15.4	12.0	11.7	11.5	11.3	11.0	10.8	10.5	10.2
38.75°	29.8	23.4	19.6	15.7	12.0	11.7	11.5	11.2	11.0	10.7	10.4
37.5°	39.6	31.1	23.7	19.8	15.7	12.0	11.7	11.5	11.2	10.9	10.6
36.25°	49.3	40.5	31.5	23.7	19.6	15.4	11.9	11.7	11.4	11.1	10.8
35°	59.5	49.7	40.5	31.1	23.4	19.1	14.7	11.9	11.6	11.3	11.0



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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°	70.1	59.5	49.3	39.6	29.8	22.7	18.2	13.6	11.8	11.5	11.2
32.5°	80.5	69.6	58.5	48.0	37.9	27.7	21.6	16.9	12.2	11.7	11.4
31.25°	90.4	79.5	68.1	56.5	45.9	35.4	24.9	20.1	15.3	11.9	11.6
30°	99.6	89.0	77.5	65.6	53.6	42.9	32.1	23.2	18.3	13.3	11.8
28.75°	108.6	97.7	86.6	74.5	62.2	50.2	39.2	28.0	21.3	16.2	11.9
27.5°	117.4	106.2	94.8	83.1	70.5	57.8	46.0	34.6	24.1	18.9	13.7
26.25°	127.3	114.4	102.8	91.1	78.6	65.6	52.6	41.0	29.3	21.6	16.3
25°	136.9	123.3	110.5	98.5	86.4	73.1	59.8	47.2	35.3	24.2	18.8
23.75°	146.2	132.3	118.1	105.7	93.4	80.4	66.8	53.1	41.0	28.7	21.1
22.5°	156.0	140.9	126.5	112.7	100.0	87.3	73.5	59.5	46.5	34.0	23.4
21.25°	167.1	149.2	134.5	119.7	106.4	93.5	79.9	65.7	51.7	39.1	26.4
20°	177.8	158.6	142.2	127.1	112.6	99.4	86.1	71.6	57.1	43.9	31.0
18.75°	187.9	168.3	149.5	134.1	118.6	105.0	91.5	77.2	62.5	48.4	35.4
17.5°	197.6	177.6	157.5	140.7	125.0	110.2	96.6	82.5	67.6	52.7	39.5
16.25°	208.2	186.4	165.9	147.0	131.0	115.2	101.3	87.4	72.3	57.1	43.4
15°	218.2	194.6	173.8	152.9	136.6	120.3	105.8	91.7	76.8	61.4	47.0
13.75°	227.5	202.9	181.1	160.0	141.8	125.3	109.9	95.7	80.9	65.4	50.3
12.5°	236.2	211.2	187.9	166.5	146.7	130.0	113.7	99.3	84.7	69.0	53.4
11.25°	244.1	218.8	194.1	172.4	151.1	134.2	117.2	102.7	88.1	72.3	56.5
10°	251.2	225.6	199.9	177.7	155.8	138.0	120.9	105.7	90.9	75.3	59.4
8.75°	258.4	231.7	205.7	182.5	160.3	141.3	124.1	108.3	93.5	78.0	61.9
7.5°	264.7	237.0	210.8	186.6	164.3	144.3	126.9	110.6	95.7	80.3	64.1
6.25°	270.0	241.5	215.1	190.1	167.6	146.8	129.3	112.6	97.6	82.2	66.0
5°	274.5	245.2	218.7	193.0	170.4	148.8	131.3	114.2	99.1	83.8	67.5
3.75°	277.9	248.1	221.5	195.3	172.6	150.4	132.8	115.5	100.3	85.1	68.7
2.5°	280.4	250.2	223.5	196.9	174.1	151.6	133.9	116.4	101.2	86.0	69.6
1.25°	281.9	251.5	224.7	197.9	175.0	152.3	134.6	116.9	101.7	86.5	70.1
0°	282.4	251.9	225.1	198.2	175.4	152.5	134.8	117.1	101.9	86.7	70.2
-1.25°	281.9	251.5	224.7	197.9	175.0	152.3	134.6	116.9	101.7	86.5	70.1
-2.5°	280.4	250.2	223.5	196.9	174.1	151.6	133.9	116.4	101.2	86.0	69.6
-3.75°	277.9	248.1	221.5	195.3	172.6	150.4	132.8	115.5	100.3	85.1	68.7
-5°	274.5	245.2	218.7	193.0	170.4	148.8	131.3	114.2	99.1	83.8	67.5
-6.25°	270.0	241.5	215.1	190.1	167.6	146.8	129.3	112.6	97.6	82.2	66.0
-7.5°	264.7	237.0	210.8	186.6	164.3	144.3	126.9	110.6	95.7	80.3	64.1
-8.75°	258.4	231.7	205.7	182.5	160.3	141.3	124.1	108.3	93.5	78.0	61.9
-10°	251.2	225.6	199.9	177.7	155.8	138.0	120.9	105.7	90.9	75.3	59.4
-11.25°	244.1	218.8	194.1	172.4	151.1	134.2	117.2	102.7	88.1	72.3	56.5
-12.5°	236.2	211.2	187.9	166.5	146.7	130.0	113.7	99.3	84.7	69.0	53.4
-13.75°	227.5	202.9	181.1	160.0	141.8	125.3	109.9	95.7	80.9	65.4	50.3
-15°	218.2	194.6	173.8	152.9	136.6	120.3	105.8	91.7	76.8	61.4	47.0
-16.25°	208.2	186.4	165.9	147.0	131.0	115.2	101.3	87.4	72.3	57.1	43.4
-17.5°	197.6	177.6	157.5	140.7	125.0	110.2	96.6	82.5	67.6	52.7	39.5
-18.75°	187.9	168.3	149.5	134.1	118.6	105.0	91.5	77.2	62.5	48.4	35.4
-20°	177.8	158.6	142.2	127.1	112.6	99.4	86.1	71.6	57.1	43.9	31.0
-21.25°	167.1	149.2	134.5	119.7	106.4	93.5	79.9	65.7	51.7	39.1	26.4



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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°	156.0	140.9	126.5	112.7	100.0	87.3	73.5	59.5	46.5	34.0	23.4
-23.75°	146.2	132.3	118.1	105.7	93.4	80.4	66.8	53.1	41.0	28.7	21.1
-25°	136.9	123.3	110.5	98.5	86.4	73.1	59.8	47.2	35.3	24.2	18.8
-26.25°	127.3	114.4	102.8	91.1	78.6	65.6	52.6	41.0	29.3	21.6	16.3
-27.5°	117.4	106.2	94.8	83.1	70.5	57.8	46.0	34.6	24.1	18.9	13.7
-28.75°	108.6	97.7	86.6	74.5	62.2	50.2	39.2	28.0	21.3	16.2	11.9
-30°	99.6	89.0	77.5	65.6	53.6	42.9	32.1	23.2	18.3	13.3	11.8
-31.25°	90.4	79.5	68.1	56.5	45.9	35.4	24.9	20.1	15.3	11.9	11.6
-32.5°	80.5	69.6	58.5	48.0	37.9	27.7	21.6	16.9	12.2	11.7	11.4
-33.75°	70.1	59.5	49.3	39.6	29.8	22.7	18.2	13.6	11.8	11.5	11.2
-35°	59.5	49.7	40.5	31.1	23.4	19.1	14.7	11.9	11.6	11.3	11.0
-36.25°	49.3	40.5	31.5	23.7	19.6	15.4	11.9	11.7	11.4	11.1	10.8
-37.5°	39.6	31.1	23.7	19.8	15.7	12.0	11.7	11.5	11.2	10.9	10.6
-38.75°	29.8	23.4	19.6	15.7	12.0	11.7	11.5	11.2	11.0	10.7	10.4
-40°	22.7	19.1	15.4	12.0	11.7	11.5	11.3	11.0	10.8	10.5	10.2
-41.25°	18.2	14.7	11.9	11.7	11.5	11.3	11.0	10.8	10.5	10.3	10.0
-42.5°	13.6	11.9	11.7	11.5	11.2	11.0	10.8	10.5	10.3	10.1	9.8
-43.75°	11.8	11.6	11.4	11.2	11.0	10.8	10.5	10.3	10.1	9.8	9.6
-45°	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.8	9.6	9.4
-46.25°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1
-47.5°	10.9	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1	8.9
-48.75°	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.8
-50°	10.3	10.2	10.0	9.8	9.6	9.4	9.2	9.1	8.9	8.8	8.8
-51.25°	10.0	9.9	9.7	9.5	9.4	9.2	9.0	8.8	8.8	8.8	8.8
-52.5°	9.7	9.6	9.4	9.2	9.1	8.9	8.8	8.8	8.8	8.8	8.8
-53.75°	9.4	9.3	9.1	9.0	8.8	8.8	8.8	8.8	8.8	8.7	8.5
-55°	9.1	9.0	8.8	8.8	8.8	8.8	8.8	8.8	8.6	8.5	8.3
-56.25°	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.5	8.4	8.2	8.0
-57.5°	8.8	8.8	8.8	8.8	8.7	8.6	8.4	8.3	8.1	7.9	7.8
-58.75°	8.8	8.8	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.7	7.5
-60°	8.7	8.5	8.4	8.3	8.1	8.0	7.9	7.7	7.6	7.4	7.3
-61.25°	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.2	7.0
-62.5°	8.0	7.9	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.8
-63.75°	7.7	7.6	7.5	7.4	7.3	7.1	7.0	6.9	6.8	6.6	6.5
-65°	7.4	7.3	7.2	7.1	7.0	6.8	6.7	6.6	6.5	6.4	6.4
-66.25°	7.1	7.0	6.9	6.8	6.7	6.6	6.4	6.4	6.4	6.4	6.4
-67.5°	6.7	6.6	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-68.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2
-70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0
-71.25°	6.4	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9	5.8	5.7
-72.5°	6.2	6.2	6.1	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.3
-73.75°	5.9	5.8	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7
-75°	5.6	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.2
-76.25°	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.0	3.9	3.8
-77.5°	4.2	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.6



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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°	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.4	3.4	3.3	3.3
-80°	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0
-81.25°	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7
-82.5°	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5
-83.75°	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	2.0
-85°	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4
-86.25°	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	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):

	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°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
85°	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8
83.75°	1.9	1.8	1.8	1.7	1.6	1.6	1.5	1.4	1.3	1.3	1.2
82.5°	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.9	1.8	1.7	1.6
81.25°	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.0
80°	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4
78.75°	3.2	3.2	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
77.5°	3.5	3.4	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.9	2.8
76.25°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.1	3.0
75°	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.4	3.3	3.2
73.75°	4.6	4.4	4.2	4.1	3.9	3.8	3.8	3.7	3.6	3.5	3.4
72.5°	5.1	4.9	4.7	4.5	4.4	4.2	4.0	3.9	3.8	3.7	3.6
71.25°	5.6	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.9	3.8
70°	5.9	5.8	5.7	5.5	5.3	5.1	4.8	4.6	4.4	4.1	4.0
68.75°	6.1	6.0	5.9	5.8	5.7	5.5	5.3	5.0	4.8	4.5	4.3
67.5°	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.5	5.2	4.9	4.7
66.25°	6.4	6.4	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.3	5.0
65°	6.4	6.4	6.4	6.4	6.4	6.2	6.1	5.9	5.8	5.7	5.4
63.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.0	5.8	5.7
62.5°	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.0	5.9
61.25°	6.9	6.7	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.1
60°	7.1	7.0	6.8	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.2
58.75°	7.4	7.2	7.0	6.9	6.7	6.5	6.4	6.4	6.4	6.4	6.4
57.5°	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.4	6.4	6.4	6.4
56.25°	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.6	6.4	6.4	6.4
55°	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.4	6.4
53.75°	8.3	8.1	7.9	7.8	7.6	7.3	7.1	6.9	6.7	6.5	6.4
52.5°	8.6	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.9	6.7	6.5
51.25°	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.9	6.6
50°	8.8	8.8	8.6	8.4	8.2	7.9	7.7	7.5	7.3	7.0	6.8
48.75°	8.8	8.8	8.8	8.6	8.4	8.1	7.9	7.7	7.4	7.2	7.0
47.5°	8.8	8.8	8.8	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.1
46.25°	8.9	8.8	8.8	8.8	8.8	8.5	8.3	8.0	7.8	7.5	7.3
45°	9.1	8.9	8.8	8.8	8.8	8.7	8.5	8.2	7.9	7.7	7.4
43.75°	9.3	9.1	8.9	8.8	8.8	8.8	8.6	8.4	8.1	7.8	7.6
42.5°	9.6	9.3	9.1	8.8	8.8	8.8	8.8	8.5	8.3	8.0	7.7
41.25°	9.8	9.5	9.2	9.0	8.8	8.8	8.8	8.7	8.4	8.1	7.9
40°	10.0	9.7	9.4	9.2	8.9	8.8	8.8	8.8	8.6	8.3	8.0
38.75°	10.2	9.9	9.6	9.4	9.1	8.8	8.8	8.8	8.7	8.4	8.1
37.5°	10.4	10.1	9.8	9.5	9.2	9.0	8.8	8.8	8.8	8.6	8.3
36.25°	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.8	8.8	8.7	8.4
35°	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.8	8.8	8.8	8.5



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.8	8.8	8.7
32.5°	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.8	8.8	8.8
31.25°	11.3	11.0	10.7	10.4	10.0	9.7	9.4	9.1	8.8	8.8	8.8
30°	11.5	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.9	8.8	8.8
28.75°	11.6	11.3	11.0	10.7	10.3	10.0	9.7	9.3	9.0	8.8	8.8
27.5°	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.4	9.1	8.8	8.8
26.25°	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.8
25°	13.3	11.7	11.4	11.1	10.7	10.4	10.0	9.7	9.3	9.0	8.8
23.75°	15.6	11.9	11.5	11.2	10.8	10.5	10.1	9.8	9.4	9.1	8.8
22.5°	17.8	12.1	11.7	11.3	11.0	10.6	10.2	9.9	9.5	9.2	8.8
21.25°	19.9	14.2	11.8	11.4	11.1	10.7	10.3	10.0	9.6	9.3	8.9
20°	21.8	16.1	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.3	9.0
18.75°	23.7	17.9	12.0	11.6	11.3	10.9	10.5	10.2	9.8	9.4	9.0
17.5°	26.2	19.6	13.6	11.7	11.4	11.0	10.6	10.2	9.9	9.5	9.1
16.25°	29.9	21.1	15.1	11.8	11.4	11.1	10.7	10.3	9.9	9.6	9.2
15°	33.4	22.6	16.5	11.9	11.5	11.1	10.8	10.4	10.0	9.6	9.2
13.75°	36.6	24.0	17.9	12.0	11.6	11.2	10.8	10.5	10.1	9.7	9.3
12.5°	39.6	25.7	19.1	12.9	11.7	11.3	10.9	10.5	10.1	9.7	9.4
11.25°	42.2	28.3	20.2	13.9	11.7	11.3	11.0	10.6	10.2	9.8	9.4
10°	44.6	30.6	21.2	14.9	11.8	11.4	11.0	10.6	10.2	9.8	9.4
8.75°	46.8	32.6	22.0	15.7	11.8	11.4	11.1	10.7	10.3	9.9	9.5
7.5°	48.6	34.4	22.8	16.4	11.9	11.5	11.1	10.7	10.3	9.9	9.5
6.25°	50.2	35.9	23.4	17.0	11.9	11.5	11.1	10.7	10.3	9.9	9.5
5°	51.5	37.1	24.0	17.5	11.9	11.5	11.2	10.8	10.4	10.0	9.6
3.75°	52.5	38.1	24.4	17.9	12.0	11.6	11.2	10.8	10.4	10.0	9.6
2.5°	53.2	38.8	24.7	18.2	12.0	11.6	11.2	10.8	10.4	10.0	9.6
1.25°	53.7	39.2	24.8	18.4	12.0	11.6	11.2	10.8	10.4	10.0	9.6
0°	53.8	39.4	24.9	18.5	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-1.25°	53.7	39.2	24.8	18.4	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-2.5°	53.2	38.8	24.7	18.2	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-3.75°	52.5	38.1	24.4	17.9	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-5°	51.5	37.1	24.0	17.5	11.9	11.5	11.2	10.8	10.4	10.0	9.6
-6.25°	50.2	35.9	23.4	17.0	11.9	11.5	11.1	10.7	10.3	9.9	9.5
-7.5°	48.6	34.4	22.8	16.4	11.9	11.5	11.1	10.7	10.3	9.9	9.5
-8.75°	46.8	32.6	22.0	15.7	11.8	11.4	11.1	10.7	10.3	9.9	9.5
-10°	44.6	30.6	21.2	14.9	11.8	11.4	11.0	10.6	10.2	9.8	9.4
-11.25°	42.2	28.3	20.2	13.9	11.7	11.3	11.0	10.6	10.2	9.8	9.4
-12.5°	39.6	25.7	19.1	12.9	11.7	11.3	10.9	10.5	10.1	9.7	9.4
-13.75°	36.6	24.0	17.9	12.0	11.6	11.2	10.8	10.5	10.1	9.7	9.3
-15°	33.4	22.6	16.5	11.9	11.5	11.1	10.8	10.4	10.0	9.6	9.2
-16.25°	29.9	21.1	15.1	11.8	11.4	11.1	10.7	10.3	9.9	9.6	9.2
-17.5°	26.2	19.6	13.6	11.7	11.4	11.0	10.6	10.2	9.9	9.5	9.1
-18.75°	23.7	17.9	12.0	11.6	11.3	10.9	10.5	10.2	9.8	9.4	9.0
-20°	21.8	16.1	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.3	9.0
-21.25°	19.9	14.2	11.8	11.4	11.1	10.7	10.3	10.0	9.6	9.3	8.9



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	17.8	12.1	11.7	11.3	11.0	10.6	10.2	9.9	9.5	9.2	8.8
-23.75°	15.6	11.9	11.5	11.2	10.8	10.5	10.1	9.8	9.4	9.1	8.8
-25°	13.3	11.7	11.4	11.1	10.7	10.4	10.0	9.7	9.3	9.0	8.8
-26.25°	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.8
-27.5°	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.4	9.1	8.8	8.8
-28.75°	11.6	11.3	11.0	10.7	10.3	10.0	9.7	9.3	9.0	8.8	8.8
-30°	11.5	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.9	8.8	8.8
-31.25°	11.3	11.0	10.7	10.4	10.0	9.7	9.4	9.1	8.8	8.8	8.8
-32.5°	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.8	8.8	8.8
-33.75°	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.8	8.8	8.7
-35°	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.8	8.8	8.8	8.5
-36.25°	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.8	8.8	8.7	8.4
-37.5°	10.4	10.1	9.8	9.5	9.2	9.0	8.8	8.8	8.8	8.6	8.3
-38.75°	10.2	9.9	9.6	9.4	9.1	8.8	8.8	8.8	8.7	8.4	8.1
-40°	10.0	9.7	9.4	9.2	8.9	8.8	8.8	8.8	8.6	8.3	8.0
-41.25°	9.8	9.5	9.2	9.0	8.8	8.8	8.8	8.7	8.4	8.1	7.9
-42.5°	9.6	9.3	9.1	8.8	8.8	8.8	8.8	8.5	8.3	8.0	7.7
-43.75°	9.3	9.1	8.9	8.8	8.8	8.8	8.6	8.4	8.1	7.8	7.6
-45°	9.1	8.9	8.8	8.8	8.8	8.7	8.5	8.2	7.9	7.7	7.4
-46.25°	8.9	8.8	8.8	8.8	8.8	8.5	8.3	8.0	7.8	7.5	7.3
-47.5°	8.8	8.8	8.8	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.1
-48.75°	8.8	8.8	8.8	8.6	8.4	8.1	7.9	7.7	7.4	7.2	7.0
-50°	8.8	8.8	8.6	8.4	8.2	7.9	7.7	7.5	7.3	7.0	6.8
-51.25°	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.9	6.6
-52.5°	8.6	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.9	6.7	6.5
-53.75°	8.3	8.1	7.9	7.8	7.6	7.3	7.1	6.9	6.7	6.5	6.4
-55°	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.4	6.4
-56.25°	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.6	6.4	6.4	6.4
-57.5°	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.4	6.4	6.4	6.4
-58.75°	7.4	7.2	7.0	6.9	6.7	6.5	6.4	6.4	6.4	6.4	6.4
-60°	7.1	7.0	6.8	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.2
-61.25°	6.9	6.7	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.1
-62.5°	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.0	5.9
-63.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.0	5.8	5.7
-65°	6.4	6.4	6.4	6.4	6.4	6.2	6.1	5.9	5.8	5.7	5.4
-66.25°	6.4	6.4	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.3	5.0
-67.5°	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.5	5.2	4.9	4.7
-68.75°	6.1	6.0	5.9	5.8	5.7	5.5	5.3	5.0	4.8	4.5	4.3
-70°	5.9	5.8	5.7	5.5	5.3	5.1	4.8	4.6	4.4	4.1	4.0
-71.25°	5.6	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.9	3.8
-72.5°	5.1	4.9	4.7	4.5	4.4	4.2	4.0	3.9	3.8	3.7	3.6
-73.75°	4.6	4.4	4.2	4.1	3.9	3.8	3.8	3.7	3.6	3.5	3.4
-75°	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.4	3.3	3.2
-76.25°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.1	3.0
-77.5°	3.5	3.4	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.9	2.8



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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°	3.2	3.2	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
-80°	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4
-81.25°	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.0
-82.5°	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.9	1.8	1.7	1.6
-83.75°	1.9	1.8	1.8	1.7	1.6	1.6	1.5	1.4	1.3	1.3	1.2
-85°	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8
-86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
83.75°	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6
82.5°	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.7
81.25°	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9	0.8
80°	2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.2	1.1	1.0
78.75°	2.5	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.4	1.2
77.5°	2.7	2.6	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.4
76.25°	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.2	2.0	1.8	1.6
75°	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.9
73.75°	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.3	2.1
72.5°	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.3
71.25°	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.7	2.6	2.5
70°	3.8	3.7	3.6	3.5	3.3	3.2	3.1	2.9	2.8	2.7	2.6
68.75°	4.0	3.9	3.8	3.6	3.5	3.4	3.2	3.1	2.9	2.8	2.7
67.5°	4.4	4.1	3.9	3.8	3.6	3.5	3.4	3.2	3.1	2.9	2.8
66.25°	4.7	4.5	4.2	3.9	3.8	3.6	3.5	3.3	3.2	3.0	2.9
65°	5.1	4.8	4.5	4.2	3.9	3.8	3.6	3.5	3.3	3.1	3.0
63.75°	5.5	5.1	4.8	4.5	4.2	3.9	3.8	3.6	3.4	3.2	3.1
62.5°	5.7	5.5	5.1	4.8	4.5	4.1	3.9	3.7	3.5	3.4	3.2
61.25°	5.9	5.7	5.5	5.1	4.7	4.4	4.0	3.8	3.6	3.5	3.3
60°	6.1	5.9	5.7	5.4	5.0	4.7	4.3	4.0	3.8	3.6	3.4
58.75°	6.2	6.0	5.8	5.7	5.3	4.9	4.5	4.1	3.9	3.7	3.5
57.5°	6.4	6.2	6.0	5.8	5.6	5.2	4.8	4.4	4.0	3.8	3.6
56.25°	6.4	6.4	6.2	5.9	5.7	5.5	5.0	4.6	4.2	3.9	3.7
55°	6.4	6.4	6.3	6.1	5.9	5.7	5.3	4.8	4.4	4.0	3.8
53.75°	6.4	6.4	6.4	6.2	6.0	5.8	5.5	5.1	4.6	4.2	3.8
52.5°	6.4	6.4	6.4	6.4	6.1	5.9	5.7	5.3	4.8	4.4	3.9
51.25°	6.4	6.4	6.4	6.4	6.3	6.0	5.8	5.5	5.0	4.5	4.1
50°	6.6	6.4	6.4	6.4	6.4	6.2	5.9	5.7	5.2	4.7	4.2
48.75°	6.7	6.5	6.4	6.4	6.4	6.3	6.0	5.8	5.4	4.9	4.4
47.5°	6.9	6.6	6.4	6.4	6.4	6.4	6.1	5.9	5.6	5.1	4.6
46.25°	7.0	6.8	6.5	6.4	6.4	6.4	6.2	6.0	5.7	5.3	4.7
45°	7.2	6.9	6.6	6.4	6.4	6.4	6.4	6.1	5.8	5.5	4.9
43.75°	7.3	7.0	6.8	6.5	6.4	6.4	6.4	6.2	5.9	5.6	5.1
42.5°	7.4	7.2	6.9	6.6	6.4	6.4	6.4	6.3	6.0	5.7	5.2
41.25°	7.6	7.3	7.0	6.7	6.4	6.4	6.4	6.4	6.1	5.8	5.4
40°	7.7	7.4	7.1	6.8	6.6	6.4	6.4	6.4	6.2	5.9	5.5
38.75°	7.9	7.6	7.3	7.0	6.7	6.4	6.4	6.4	6.2	5.9	5.6
37.5°	8.0	7.7	7.4	7.1	6.8	6.5	6.4	6.4	6.3	6.0	5.7
36.25°	8.1	7.8	7.5	7.2	6.9	6.6	6.4	6.4	6.4	6.1	5.8
35°	8.2	7.9	7.6	7.3	7.0	6.6	6.4	6.4	6.4	6.2	5.8



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°
33.75°	8.3	8.0	7.7	7.4	7.1	6.7	6.4	6.4	6.4	6.2	5.9
32.5°	8.5	8.1	7.8	7.5	7.2	6.8	6.5	6.4	6.4	6.3	6.0
31.25°	8.6	8.2	7.9	7.6	7.2	6.9	6.6	6.4	6.4	6.4	6.0
30°	8.7	8.3	8.0	7.7	7.3	7.0	6.7	6.4	6.4	6.4	6.1
28.75°	8.8	8.4	8.1	7.8	7.4	7.1	6.7	6.4	6.4	6.4	6.1
27.5°	8.8	8.5	8.2	7.8	7.5	7.1	6.8	6.5	6.4	6.4	6.2
26.25°	8.8	8.6	8.3	7.9	7.6	7.2	6.9	6.5	6.4	6.4	6.3
25°	8.8	8.7	8.4	8.0	7.7	7.3	6.9	6.6	6.4	6.4	6.3
23.75°	8.8	8.8	8.4	8.1	7.7	7.4	7.0	6.6	6.4	6.4	6.3
22.5°	8.8	8.8	8.5	8.2	7.8	7.4	7.1	6.7	6.4	6.4	6.4
21.25°	8.8	8.8	8.6	8.2	7.9	7.5	7.1	6.7	6.4	6.4	6.4
20°	8.8	8.8	8.7	8.3	7.9	7.5	7.2	6.8	6.4	6.4	6.4
18.75°	8.8	8.8	8.7	8.3	8.0	7.6	7.2	6.8	6.5	6.4	6.4
17.5°	8.8	8.8	8.8	8.4	8.0	7.6	7.3	6.9	6.5	6.4	6.4
16.25°	8.8	8.8	8.8	8.5	8.1	7.7	7.3	6.9	6.6	6.4	6.4
15°	8.9	8.8	8.8	8.5	8.1	7.7	7.4	7.0	6.6	6.4	6.4
13.75°	8.9	8.8	8.8	8.6	8.2	7.8	7.4	7.0	6.6	6.4	6.4
12.5°	9.0	8.8	8.8	8.6	8.2	7.8	7.4	7.0	6.7	6.4	6.4
11.25°	9.0	8.8	8.8	8.6	8.2	7.9	7.5	7.1	6.7	6.4	6.4
10°	9.0	8.8	8.8	8.7	8.3	7.9	7.5	7.1	6.7	6.4	6.4
8.75°	9.1	8.8	8.8	8.7	8.3	7.9	7.5	7.1	6.7	6.4	6.4
7.5°	9.1	8.8	8.8	8.7	8.3	7.9	7.5	7.1	6.7	6.4	6.4
6.25°	9.1	8.8	8.8	8.7	8.4	8.0	7.6	7.2	6.8	6.4	6.4
5°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
3.75°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
2.5°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
1.25°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
0°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
-1.25°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
-2.5°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
-3.75°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
-5°	9.2	8.8	8.8	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.4
-6.25°	9.1	8.8	8.8	8.7	8.4	8.0	7.6	7.2	6.8	6.4	6.4
-7.5°	9.1	8.8	8.8	8.7	8.3	7.9	7.5	7.1	6.7	6.4	6.4
-8.75°	9.1	8.8	8.8	8.7	8.3	7.9	7.5	7.1	6.7	6.4	6.4
-10°	9.0	8.8	8.8	8.7	8.3	7.9	7.5	7.1	6.7	6.4	6.4
-11.25°	9.0	8.8	8.8	8.6	8.2	7.9	7.5	7.1	6.7	6.4	6.4
-12.5°	9.0	8.8	8.8	8.6	8.2	7.8	7.4	7.0	6.7	6.4	6.4
-13.75°	8.9	8.8	8.8	8.6	8.2	7.8	7.4	7.0	6.6	6.4	6.4
-15°	8.9	8.8	8.8	8.5	8.1	7.7	7.4	7.0	6.6	6.4	6.4
-16.25°	8.8	8.8	8.8	8.5	8.1	7.7	7.3	6.9	6.6	6.4	6.4
-17.5°	8.8	8.8	8.8	8.4	8.0	7.6	7.3	6.9	6.5	6.4	6.4
-18.75°	8.8	8.8	8.7	8.3	8.0	7.6	7.2	6.8	6.5	6.4	6.4
-20°	8.8	8.8	8.7	8.3	7.9	7.5	7.2	6.8	6.4	6.4	6.4
-21.25°	8.8	8.8	8.6	8.2	7.9	7.5	7.1	6.7	6.4	6.4	6.4



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	8.8	8.8	8.5	8.2	7.8	7.4	7.1	6.7	6.4	6.4	6.4
-23.75°	8.8	8.8	8.4	8.1	7.7	7.4	7.0	6.6	6.4	6.4	6.3
-25°	8.8	8.7	8.4	8.0	7.7	7.3	6.9	6.6	6.4	6.4	6.3
-26.25°	8.8	8.6	8.3	7.9	7.6	7.2	6.9	6.5	6.4	6.4	6.3
-27.5°	8.8	8.5	8.2	7.8	7.5	7.1	6.8	6.5	6.4	6.4	6.2
-28.75°	8.8	8.4	8.1	7.8	7.4	7.1	6.7	6.4	6.4	6.4	6.1
-30°	8.7	8.3	8.0	7.7	7.3	7.0	6.7	6.4	6.4	6.4	6.1
-31.25°	8.6	8.2	7.9	7.6	7.2	6.9	6.6	6.4	6.4	6.4	6.0
-32.5°	8.5	8.1	7.8	7.5	7.2	6.8	6.5	6.4	6.4	6.3	6.0
-33.75°	8.3	8.0	7.7	7.4	7.1	6.7	6.4	6.4	6.4	6.2	5.9
-35°	8.2	7.9	7.6	7.3	7.0	6.6	6.4	6.4	6.4	6.2	5.8
-36.25°	8.1	7.8	7.5	7.2	6.9	6.6	6.4	6.4	6.4	6.1	5.8
-37.5°	8.0	7.7	7.4	7.1	6.8	6.5	6.4	6.4	6.3	6.0	5.7
-38.75°	7.9	7.6	7.3	7.0	6.7	6.4	6.4	6.4	6.2	5.9	5.6
-40°	7.7	7.4	7.1	6.8	6.6	6.4	6.4	6.4	6.2	5.9	5.5
-41.25°	7.6	7.3	7.0	6.7	6.4	6.4	6.4	6.4	6.1	5.8	5.4
-42.5°	7.4	7.2	6.9	6.6	6.4	6.4	6.4	6.3	6.0	5.7	5.2
-43.75°	7.3	7.0	6.8	6.5	6.4	6.4	6.4	6.2	5.9	5.6	5.1
-45°	7.2	6.9	6.6	6.4	6.4	6.4	6.4	6.1	5.8	5.5	4.9
-46.25°	7.0	6.8	6.5	6.4	6.4	6.4	6.2	6.0	5.7	5.3	4.7
-47.5°	6.9	6.6	6.4	6.4	6.4	6.4	6.1	5.9	5.6	5.1	4.6
-48.75°	6.7	6.5	6.4	6.4	6.4	6.3	6.0	5.8	5.4	4.9	4.4
-50°	6.6	6.4	6.4	6.4	6.4	6.2	5.9	5.7	5.2	4.7	4.2
-51.25°	6.4	6.4	6.4	6.4	6.3	6.0	5.8	5.5	5.0	4.5	4.1
-52.5°	6.4	6.4	6.4	6.4	6.1	5.9	5.7	5.3	4.8	4.4	3.9
-53.75°	6.4	6.4	6.4	6.2	6.0	5.8	5.5	5.1	4.6	4.2	3.8
-55°	6.4	6.4	6.3	6.1	5.9	5.7	5.3	4.8	4.4	4.0	3.8
-56.25°	6.4	6.4	6.2	5.9	5.7	5.5	5.0	4.6	4.2	3.9	3.7
-57.5°	6.4	6.2	6.0	5.8	5.6	5.2	4.8	4.4	4.0	3.8	3.6
-58.75°	6.2	6.0	5.8	5.7	5.3	4.9	4.5	4.1	3.9	3.7	3.5
-60°	6.1	5.9	5.7	5.4	5.0	4.7	4.3	4.0	3.8	3.6	3.4
-61.25°	5.9	5.7	5.5	5.1	4.7	4.4	4.0	3.8	3.6	3.5	3.3
-62.5°	5.7	5.5	5.1	4.8	4.5	4.1	3.9	3.7	3.5	3.4	3.2
-63.75°	5.5	5.1	4.8	4.5	4.2	3.9	3.8	3.6	3.4	3.2	3.1
-65°	5.1	4.8	4.5	4.2	3.9	3.8	3.6	3.5	3.3	3.1	3.0
-66.25°	4.7	4.5	4.2	3.9	3.8	3.6	3.5	3.3	3.2	3.0	2.9
-67.5°	4.4	4.1	3.9	3.8	3.6	3.5	3.4	3.2	3.1	2.9	2.8
-68.75°	4.0	3.9	3.8	3.6	3.5	3.4	3.2	3.1	2.9	2.8	2.7
-70°	3.8	3.7	3.6	3.5	3.3	3.2	3.1	2.9	2.8	2.7	2.6
-71.25°	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.7	2.6	2.5
-72.5°	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.3
-73.75°	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.3	2.1
-75°	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.9
-76.25°	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.2	2.0	1.8	1.6
-77.5°	2.7	2.6	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.4



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	2.5	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.4	1.2
-80°	2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.2	1.1	1.0
-81.25°	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9	0.8
-82.5°	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.7
-83.75°	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
-87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	5.6	4.9	4.2	3.8	3.5	3.1	2.8	2.5	1.9	1.2	0.7
32.5°	5.6	5.0	4.3	3.8	3.5	3.2	2.8	2.5	1.9	1.2	0.7
31.25°	5.7	5.1	4.4	3.9	3.5	3.2	2.9	2.5	1.9	1.3	0.7
30°	5.7	5.2	4.5	3.9	3.6	3.2	2.9	2.5	2.0	1.3	0.7
28.75°	5.8	5.3	4.6	4.0	3.6	3.3	2.9	2.6	2.0	1.3	0.7
27.5°	5.8	5.4	4.7	4.0	3.6	3.3	2.9	2.6	2.0	1.3	0.7
26.25°	5.9	5.5	4.8	4.0	3.7	3.3	3.0	2.6	2.1	1.4	0.7
25°	5.9	5.6	4.8	4.1	3.7	3.3	3.0	2.6	2.1	1.4	0.7
23.75°	6.0	5.6	4.9	4.2	3.7	3.4	3.0	2.6	2.1	1.4	0.7
22.5°	6.0	5.7	5.0	4.2	3.8	3.4	3.0	2.6	2.2	1.4	0.7
21.25°	6.1	5.7	5.0	4.3	3.8	3.4	3.0	2.7	2.2	1.4	0.7
20°	6.1	5.7	5.1	4.4	3.8	3.4	3.1	2.7	2.2	1.5	0.8
18.75°	6.1	5.8	5.2	4.4	3.8	3.5	3.1	2.7	2.2	1.5	0.8
17.5°	6.2	5.8	5.2	4.5	3.9	3.5	3.1	2.7	2.3	1.5	0.8
16.25°	6.2	5.8	5.3	4.5	3.9	3.5	3.1	2.7	2.3	1.5	0.8
15°	6.2	5.8	5.3	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
13.75°	6.3	5.9	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
12.5°	6.3	5.9	5.4	4.6	3.9	3.5	3.1	2.8	2.3	1.5	0.8
11.25°	6.3	5.9	5.4	4.7	3.9	3.5	3.2	2.8	2.3	1.6	0.8
10°	6.3	5.9	5.5	4.7	4.0	3.6	3.2	2.8	2.4	1.6	0.8
8.75°	6.3	5.9	5.5	4.7	4.0	3.6	3.2	2.8	2.4	1.6	0.8
7.5°	6.4	6.0	5.5	4.7	4.0	3.6	3.2	2.8	2.4	1.6	0.8
6.25°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
5°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
3.75°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
2.5°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
1.25°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
0°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-1.25°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-2.5°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-3.75°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-5°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-6.25°	6.4	6.0	5.6	4.8	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-7.5°	6.4	6.0	5.5	4.7	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-8.75°	6.3	5.9	5.5	4.7	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-10°	6.3	5.9	5.5	4.7	4.0	3.6	3.2	2.8	2.4	1.6	0.8
-11.25°	6.3	5.9	5.4	4.7	3.9	3.5	3.2	2.8	2.3	1.6	0.8
-12.5°	6.3	5.9	5.4	4.6	3.9	3.5	3.1	2.8	2.3	1.5	0.8
-13.75°	6.3	5.9	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-15°	6.2	5.8	5.3	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-16.25°	6.2	5.8	5.3	4.5	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-17.5°	6.2	5.8	5.2	4.5	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-18.75°	6.1	5.8	5.2	4.4	3.8	3.5	3.1	2.7	2.2	1.5	0.8
-20°	6.1	5.7	5.1	4.4	3.8	3.4	3.1	2.7	2.2	1.5	0.8
-21.25°	6.1	5.7	5.0	4.3	3.8	3.4	3.0	2.7	2.2	1.4	0.7



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	6.0	5.7	5.0	4.2	3.8	3.4	3.0	2.6	2.2	1.4	0.7
-23.75°	6.0	5.6	4.9	4.2	3.7	3.4	3.0	2.6	2.1	1.4	0.7
-25°	5.9	5.6	4.8	4.1	3.7	3.3	3.0	2.6	2.1	1.4	0.7
-26.25°	5.9	5.5	4.8	4.0	3.7	3.3	3.0	2.6	2.1	1.4	0.7
-27.5°	5.8	5.4	4.7	4.0	3.6	3.3	2.9	2.6	2.0	1.3	0.7
-28.75°	5.8	5.3	4.6	4.0	3.6	3.3	2.9	2.6	2.0	1.3	0.7
-30°	5.7	5.2	4.5	3.9	3.6	3.2	2.9	2.5	2.0	1.3	0.7
-31.25°	5.7	5.1	4.4	3.9	3.5	3.2	2.9	2.5	1.9	1.3	0.7
-32.5°	5.6	5.0	4.3	3.8	3.5	3.2	2.8	2.5	1.9	1.2	0.7
-33.75°	5.6	4.9	4.2	3.8	3.5	3.1	2.8	2.5	1.9	1.2	0.7
-35°	5.4	4.8	4.1	3.7	3.4	3.1	2.8	2.4	1.8	1.2	0.7
-36.25°	5.3	4.7	4.0	3.7	3.4	3.1	2.7	2.4	1.8	1.1	0.6
-37.5°	5.2	4.6	4.0	3.6	3.3	3.0	2.7	2.4	1.7	1.1	0.6
-38.75°	5.1	4.4	3.9	3.6	3.3	3.0	2.7	2.3	1.7	1.1	0.6
-40°	4.9	4.3	3.9	3.6	3.2	2.9	2.6	2.3	1.7	1.0	0.6
-41.25°	4.8	4.2	3.8	3.5	3.2	2.9	2.6	2.2	1.6	1.0	0.6
-42.5°	4.6	4.1	3.7	3.4	3.2	2.9	2.6	2.1	1.6	1.0	0.6
-43.75°	4.5	4.0	3.7	3.4	3.1	2.8	2.5	2.1	1.5	0.9	0.6
-45°	4.3	3.9	3.6	3.3	3.1	2.8	2.5	2.0	1.5	0.9	0.6
-46.25°	4.2	3.8	3.6	3.3	3.0	2.7	2.5	2.0	1.4	0.9	0.6
-47.5°	4.0	3.8	3.5	3.2	3.0	2.7	2.4	1.9	1.4	0.8	0.5
-48.75°	3.9	3.7	3.4	3.2	2.9	2.6	2.4	1.8	1.3	0.8	0.5
-50°	3.9	3.6	3.4	3.1	2.9	2.6	2.3	1.8	1.3	0.8	0.5
-51.25°	3.8	3.5	3.3	3.0	2.8	2.5	2.2	1.7	1.2	0.8	0.5
-52.5°	3.7	3.5	3.2	3.0	2.7	2.5	2.1	1.6	1.1	0.7	0.5
-53.75°	3.6	3.4	3.2	2.9	2.7	2.5	2.0	1.6	1.1	0.7	0.5
-55°	3.5	3.3	3.1	2.9	2.6	2.4	1.9	1.5	1.0	0.7	0.5
-56.25°	3.4	3.2	3.0	2.8	2.6	2.3	1.9	1.4	1.0	0.7	0.4
-57.5°	3.4	3.1	2.9	2.7	2.5	2.2	1.8	1.3	0.9	0.6	0.4
-58.75°	3.3	3.1	2.9	2.7	2.5	2.1	1.7	1.3	0.9	0.6	0.4
-60°	3.2	3.0	2.8	2.6	2.4	2.0	1.6	1.2	0.8	0.6	0.4
-61.25°	3.1	2.9	2.7	2.5	2.3	1.9	1.5	1.1	0.8	0.6	0.4
-62.5°	3.0	2.8	2.6	2.5	2.1	1.8	1.4	1.0	0.7	0.6	0.4
-63.75°	2.9	2.7	2.6	2.4	2.0	1.7	1.3	1.0	0.7	0.5	0.4
-65°	2.8	2.6	2.5	2.2	1.9	1.6	1.2	0.9	0.7	0.5	0.3
-66.25°	2.7	2.6	2.4	2.1	1.8	1.4	1.1	0.8	0.6	0.5	0.3
-67.5°	2.6	2.5	2.2	1.9	1.6	1.3	1.0	0.8	0.6	0.5	0.3
-68.75°	2.5	2.4	2.1	1.8	1.5	1.2	0.9	0.7	0.6	0.4	0.3
-70°	2.4	2.2	1.9	1.6	1.4	1.1	0.8	0.7	0.5	0.4	0.3
-71.25°	2.3	2.0	1.8	1.5	1.2	1.0	0.8	0.6	0.5	0.4	0.3
-72.5°	2.1	1.8	1.6	1.4	1.1	0.9	0.7	0.6	0.5	0.4	0.2
-73.75°	1.9	1.6	1.4	1.2	1.0	0.8	0.7	0.6	0.4	0.3	0.2
-75°	1.7	1.5	1.3	1.1	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-76.25°	1.5	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-80°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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°	0.0	0.0
85°	0.0	0.0
83.75°	0.0	0.0
82.5°	0.1	0.0
81.25°	0.1	0.0
80°	0.1	0.0
78.75°	0.1	0.0
77.5°	0.1	0.0
76.25°	0.1	0.0
75°	0.1	0.0
73.75°	0.1	0.0
72.5°	0.1	0.0
71.25°	0.1	0.0
70°	0.1	0.0
68.75°	0.1	0.0
67.5°	0.2	0.0
66.25°	0.2	0.0
65°	0.2	0.0
63.75°	0.2	0.0
62.5°	0.2	0.0
61.25°	0.2	0.0
60°	0.2	0.0
58.75°	0.2	0.0
57.5°	0.2	0.0
56.25°	0.2	0.0
55°	0.2	0.0
53.75°	0.2	0.0
52.5°	0.2	0.0
51.25°	0.3	0.0
50°	0.3	0.0
48.75°	0.3	0.0
47.5°	0.3	0.0
46.25°	0.3	0.0
45°	0.3	0.0
43.75°	0.3	0.0
42.5°	0.3	0.0
41.25°	0.3	0.0
40°	0.3	0.0
38.75°	0.3	0.0
37.5°	0.3	0.0
36.25°	0.3	0.0
35°	0.3	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.3	0.0
32.5°	0.3	0.0
31.25°	0.3	0.0
30°	0.3	0.0
28.75°	0.4	0.0
27.5°	0.4	0.0
26.25°	0.4	0.0
25°	0.4	0.0
23.75°	0.4	0.0
22.5°	0.4	0.0
21.25°	0.4	0.0
20°	0.4	0.0
18.75°	0.4	0.0
17.5°	0.4	0.0
16.25°	0.4	0.0
15°	0.4	0.0
13.75°	0.4	0.0
12.5°	0.4	0.0
11.25°	0.4	0.0
10°	0.4	0.0
8.75°	0.4	0.0
7.5°	0.4	0.0
6.25°	0.4	0.0
5°	0.4	0.0
3.75°	0.4	0.0
2.5°	0.4	0.0
1.25°	0.4	0.0
0°	0.4	0.0
-1.25°	0.4	0.0
-2.5°	0.4	0.0
-3.75°	0.4	0.0
-5°	0.4	0.0
-6.25°	0.4	0.0
-7.5°	0.4	0.0
-8.75°	0.4	0.0
-10°	0.4	0.0
-11.25°	0.4	0.0
-12.5°	0.4	0.0
-13.75°	0.4	0.0
-15°	0.4	0.0
-16.25°	0.4	0.0
-17.5°	0.4	0.0
-18.75°	0.4	0.0
-20°	0.4	0.0
-21.25°	0.4	0.0



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220330 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)