

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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

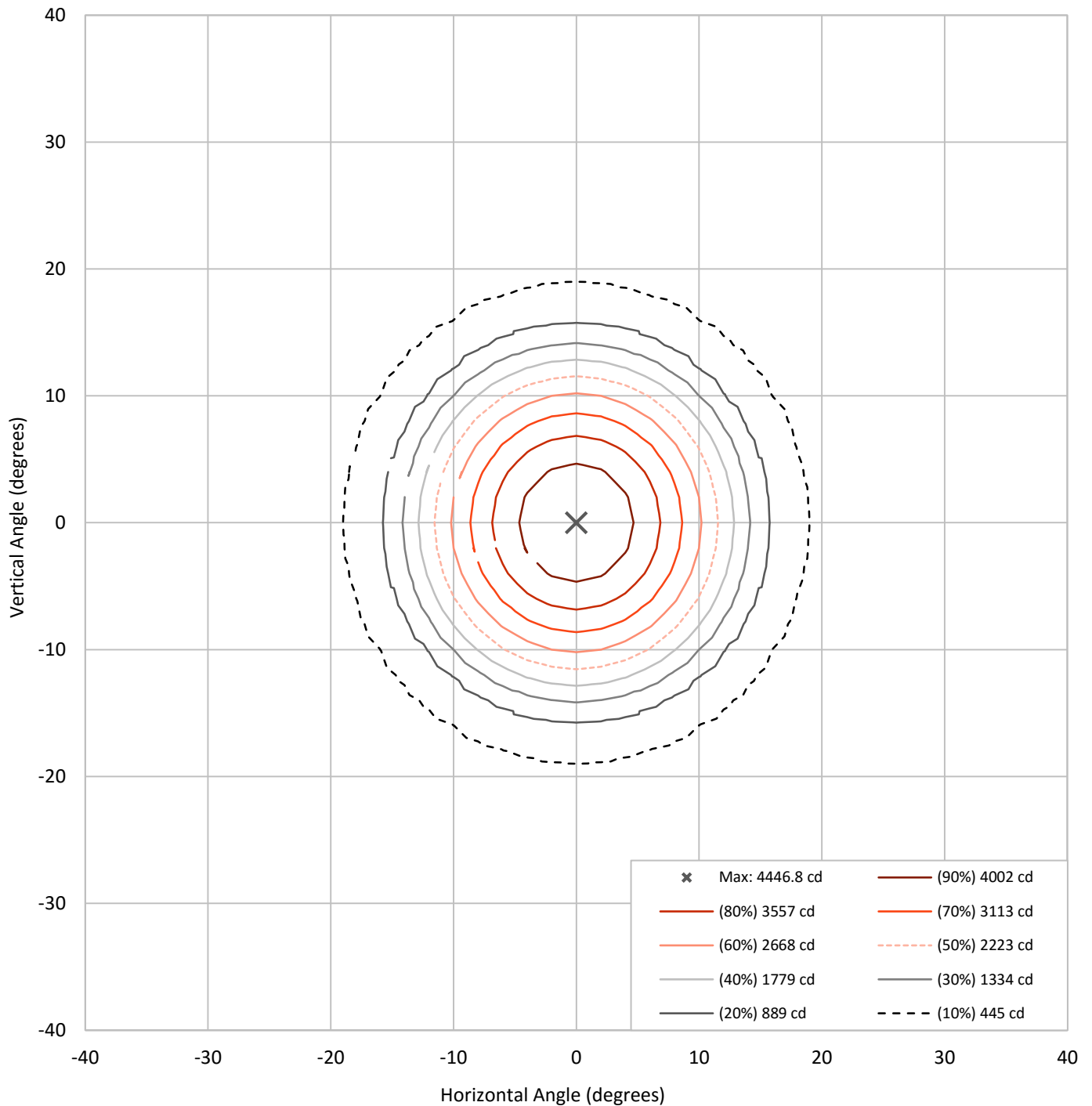
Test Method: LM-79-08
Report Number: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	813.4 lumens	Max Intensity:	4446.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	81.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	37.5°H x 37.5°V
Beam Lumens:	414.8 lumens	Field Lumens:	637.9 lumens
Beam Efficiency:	51.0%	Field Efficiency:	78.4%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





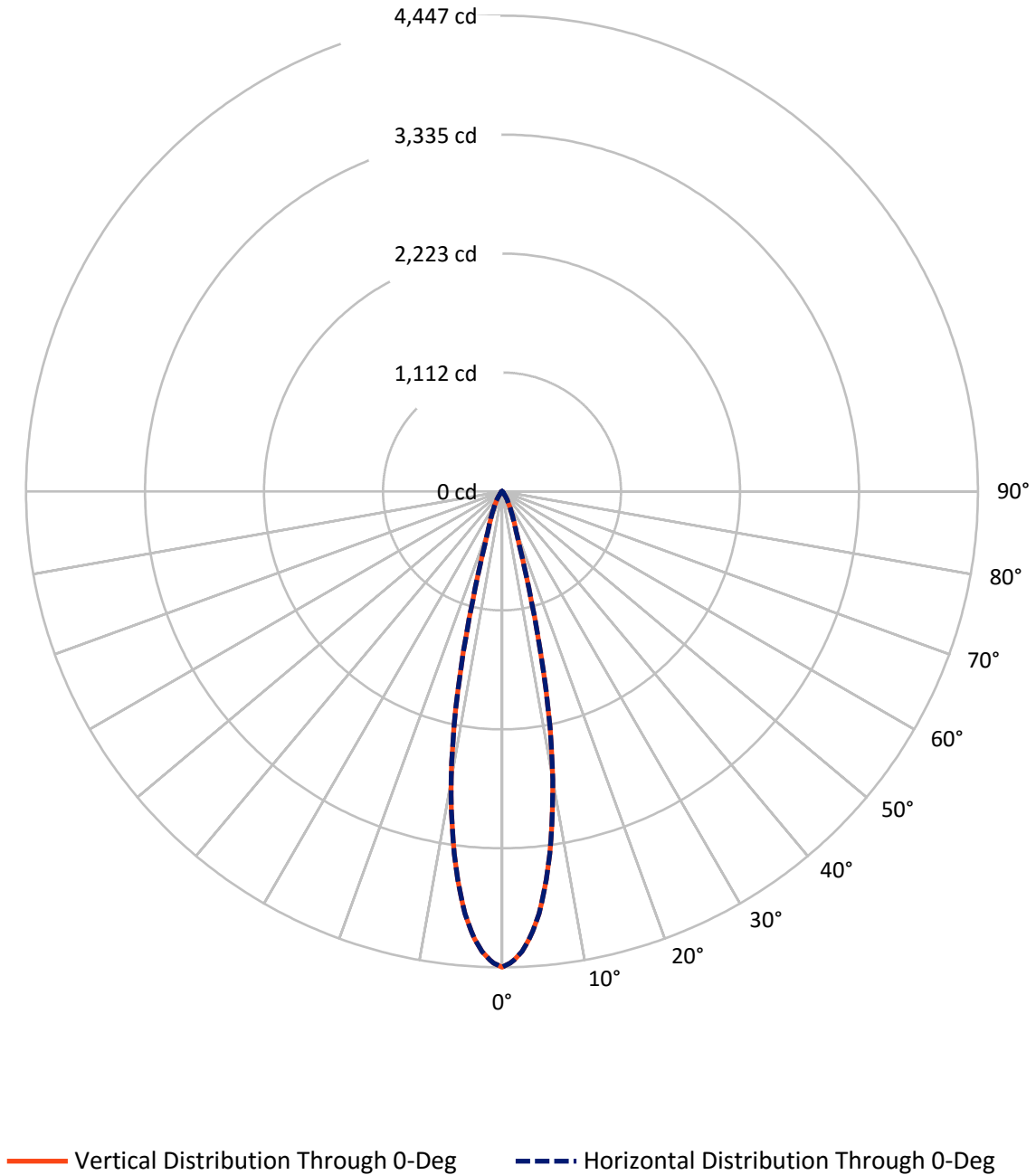
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Lumen Table

90	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0			
60		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0				
50	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0			
40		0.1	0.1	0.1	0.3	0.5	1.1	1.7	1.7	1.1	0.5	0.3	0.1	0.1	0.1				
30	0.1	0.1	0.1	0.2	0.5	1.6	3.9	6.0	6.0	3.9	1.6	0.5	0.2	0.1	0.1	0.1			
20		0.1	0.1	0.2	0.9	3.6	10.7	30.8	30.8	10.7	3.6	0.9	0.2	0.1	0.1				
10	0.1	0.1	0.1	0.3	1.4	5.5	30.1	99.3	99.3	30.1	5.5	1.4	0.3	0.1	0.1	0.1			
0		0.1	0.1	0.3	1.4	5.5	30.1	99.3	99.3	30.1	5.5	1.4	0.3	0.1	0.1				
-10	0.1	0.1	0.1	0.2	0.9	3.6	10.7	30.8	30.8	10.7	3.6	0.9	0.2	0.1	0.1	0.1			
-20		0.1	0.1	0.2	0.5	1.6	3.9	6.0	6.0	3.9	1.6	0.5	0.2	0.1	0.1				
-30	0.0	0.1	0.1	0.1	0.3	0.5	1.1	1.7	1.7	1.1	0.5	0.3	0.1	0.1	0.1	0.0			
-40		0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1				
-50	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0			
-60		0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0				
-70	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0			
-80		0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0				
-90	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0										

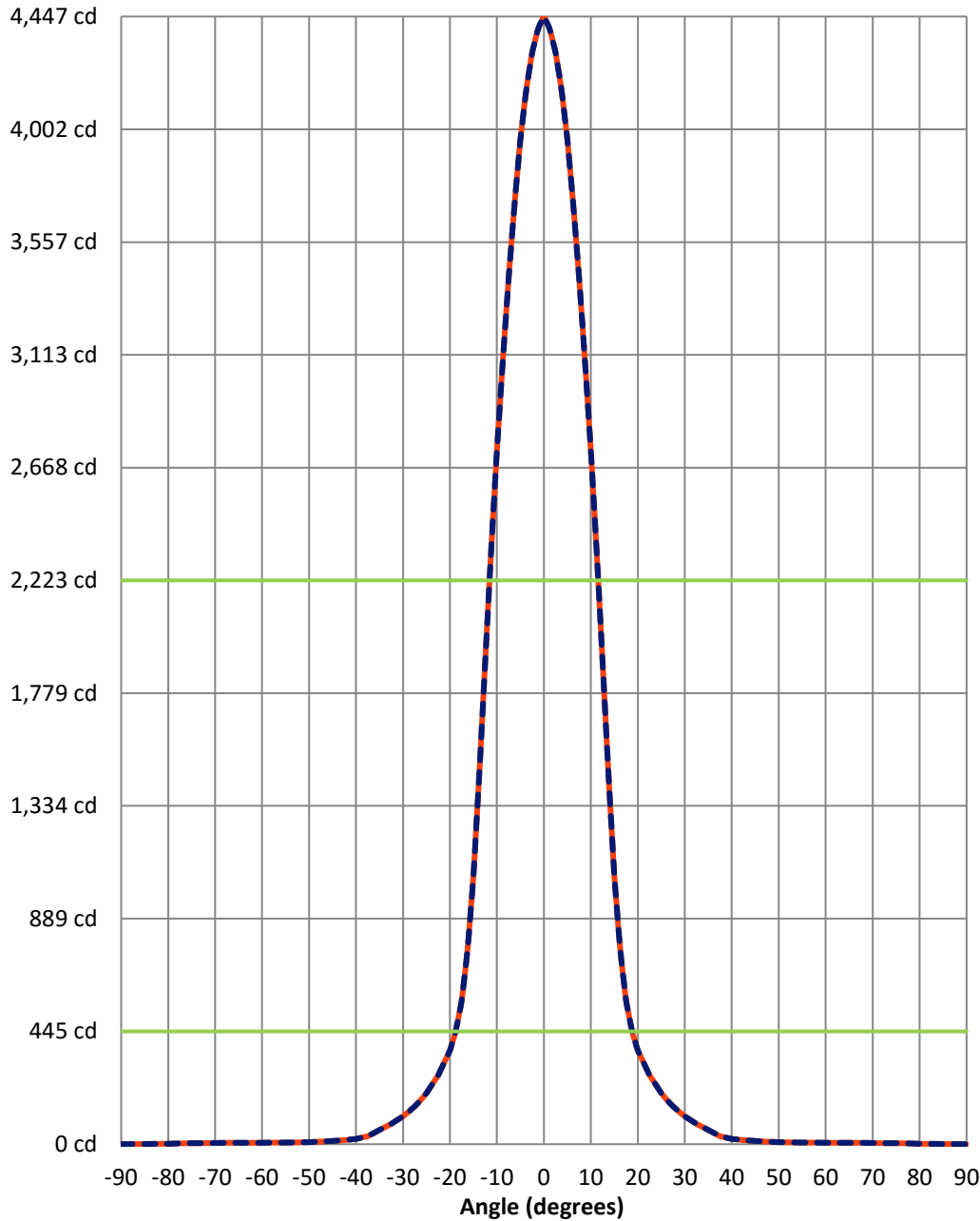
REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 23.1°
V Angle: 23.1°
Lumens: 414.8
Efficiency: 51.0%

Field:
H Angle: 37.5°
V Angle: 37.5°
Lumens: 637.9
Efficiency: 78.4%

Spill:
Lumens: 175.5
Efficiency: 21.6%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	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	0.8
76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8
72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8
71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.8	0.8	0.8	0.8
70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.8
68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8
67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8
66.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.9
63.75°	0.0	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.8	1.0
62.5°	0.0	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.9	1.0
61.25°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	0.9	1.1
60°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	1.0	1.2
58.75°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.9	1.1	1.3
57.5°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.9	1.1	1.3
56.25°	0.0	0.2	0.4	0.7	0.8	0.8	0.8	0.8	1.0	1.2	1.4
55°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.8	1.0	1.3	1.5
53.75°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.3	1.6
52.5°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.4	1.6
51.25°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	0.9	1.2	1.4	1.6
50°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.0	1.3	1.5	1.6
48.75°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.0	1.3	1.6	1.6
47.5°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.1	1.4	1.6	1.6
46.25°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.1	1.4	1.6	1.6
45°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.2	1.5	1.6	1.6
43.75°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.2	1.5	1.6	1.6
42.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.6
41.25°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.6
40°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.6
38.75°	0.0	0.3	0.6	0.8	0.8	0.8	1.1	1.4	1.6	1.6	1.6
37.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.1	1.4	1.6	1.6	1.6
36.25°	0.0	0.3	0.6	0.8	0.8	0.8	1.1	1.5	1.6	1.6	1.6
35°	0.0	0.3	0.7	0.8	0.8	0.8	1.2	1.5	1.6	1.6	1.7



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.5	1.6	1.6	1.8
32.5°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.6	1.6	1.6	1.9
31.25°	0.0	0.3	0.7	0.8	0.8	0.9	1.3	1.6	1.6	1.6	2.0
30°	0.0	0.3	0.7	0.8	0.8	0.9	1.3	1.6	1.6	1.6	2.1
28.75°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.6	1.6	1.6	2.2
27.5°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.6	1.6	1.6	2.3
26.25°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.6	2.4
25°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.7	2.4
23.75°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.8	2.5
22.5°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.8	2.6
21.25°	0.0	0.4	0.7	0.8	0.8	1.1	1.4	1.6	1.6	1.9	2.6
20°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.0	2.7
18.75°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.0	2.8
17.5°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.1	2.8
16.25°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.1	2.9
15°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.2	2.9
13.75°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.2	3.0
12.5°	0.0	0.4	0.8	0.8	0.8	1.2	1.5	1.6	1.6	2.2	3.0
11.25°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.0
10°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.1
8.75°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.1
7.5°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.1
6.25°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
5°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
3.75°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
2.5°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
1.25°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
0°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
-1.25°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
-2.5°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
-3.75°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
-5°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
-6.25°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.4	3.2
-7.5°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.1
-8.75°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.1
-10°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.1
-11.25°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.0
-12.5°	0.0	0.4	0.8	0.8	0.8	1.2	1.5	1.6	1.6	2.2	3.0
-13.75°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.2	3.0
-15°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.2	2.9
-16.25°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.1	2.9
-17.5°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.1	2.8
-18.75°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.0	2.8
-20°	0.0	0.4	0.8	0.8	0.8	1.1	1.5	1.6	1.6	2.0	2.7
-21.25°	0.0	0.4	0.7	0.8	0.8	1.1	1.4	1.6	1.6	1.9	2.6



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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	0.8	0.8	1.0	1.4	1.6	1.6	1.8	2.6
-23.75°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.8	2.5
-25°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.7	2.4
-26.25°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.6	2.4
-27.5°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.6	1.6	1.6	2.3
-28.75°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.6	1.6	1.6	2.2
-30°	0.0	0.3	0.7	0.8	0.8	0.9	1.3	1.6	1.6	1.6	2.1
-31.25°	0.0	0.3	0.7	0.8	0.8	0.9	1.3	1.6	1.6	1.6	2.0
-32.5°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.6	1.6	1.6	1.9
-33.75°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.5	1.6	1.6	1.8
-35°	0.0	0.3	0.7	0.8	0.8	0.8	1.2	1.5	1.6	1.6	1.7
-36.25°	0.0	0.3	0.6	0.8	0.8	0.8	1.1	1.5	1.6	1.6	1.6
-37.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.1	1.4	1.6	1.6	1.6
-38.75°	0.0	0.3	0.6	0.8	0.8	0.8	1.1	1.4	1.6	1.6	1.6
-40°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.6
-41.25°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.6
-42.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.6
-43.75°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.2	1.5	1.6	1.6
-45°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.2	1.5	1.6	1.6
-46.25°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.1	1.4	1.6	1.6
-47.5°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.1	1.4	1.6	1.6
-48.75°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.0	1.3	1.6	1.6
-50°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.0	1.3	1.5	1.6
-51.25°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	0.9	1.2	1.4	1.6
-52.5°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.4	1.6
-53.75°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.3	1.6
-55°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.8	1.0	1.3	1.5
-56.25°	0.0	0.2	0.4	0.7	0.8	0.8	0.8	0.8	1.0	1.2	1.4
-57.5°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.9	1.1	1.3
-58.75°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.9	1.1	1.3
-60°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	1.0	1.2
-61.25°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	0.9	1.1
-62.5°	0.0	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.9	1.0
-63.75°	0.0	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.8	1.0
-65°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.9
-66.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8
-67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8
-68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8
-70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.8
-71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.8	0.8	0.8	0.8
-72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8
-73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8
-75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
-76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
-77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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	0.8	0.8
82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
81.25°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
78.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0
76.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.1
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3
73.75°	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
72.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
71.25°	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.6	1.6
70°	0.8	0.8	1.0	1.1	1.2	1.3	1.5	1.6	1.6	1.6	1.6
68.75°	0.8	0.9	1.1	1.2	1.3	1.5	1.6	1.6	1.6	1.6	1.6
67.5°	0.9	1.0	1.2	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6
66.25°	1.0	1.1	1.3	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.8
65°	1.0	1.2	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.8	2.1
63.75°	1.1	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.8	2.1	2.4
62.5°	1.2	1.4	1.6	1.6	1.6	1.6	1.6	1.7	2.1	2.4	2.7
61.25°	1.3	1.5	1.6	1.6	1.6	1.6	1.6	2.0	2.3	2.7	3.1
60°	1.4	1.6	1.6	1.6	1.6	1.6	1.9	2.3	2.6	3.0	3.3
58.75°	1.5	1.6	1.6	1.6	1.6	1.7	2.1	2.5	2.9	3.3	3.4
57.5°	1.5	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.2	3.4	3.6
56.25°	1.6	1.6	1.6	1.6	1.8	2.2	2.6	3.1	3.3	3.5	3.8
55°	1.6	1.6	1.6	1.6	2.0	2.4	2.9	3.3	3.5	3.7	3.9
53.75°	1.6	1.6	1.6	1.8	2.2	2.7	3.1	3.4	3.6	3.8	4.0
52.5°	1.6	1.6	1.6	2.0	2.4	2.9	3.3	3.5	3.7	4.0	4.0
51.25°	1.6	1.6	1.7	2.1	2.6	3.1	3.4	3.6	3.9	4.0	4.0
50°	1.6	1.6	1.8	2.3	2.8	3.3	3.5	3.8	4.0	4.0	4.0
48.75°	1.6	1.6	2.0	2.5	3.0	3.4	3.6	3.9	4.0	4.0	4.0
47.5°	1.6	1.6	2.2	2.7	3.2	3.5	3.7	4.0	4.0	4.0	4.0
46.25°	1.6	1.8	2.3	2.9	3.3	3.6	3.8	4.0	4.0	4.0	4.1
45°	1.6	1.9	2.5	3.1	3.4	3.7	4.0	4.0	4.0	4.0	4.2
43.75°	1.6	2.1	2.7	3.2	3.5	3.8	4.0	4.0	4.0	4.1	4.4
42.5°	1.7	2.2	2.8	3.3	3.6	3.9	4.0	4.0	4.0	4.2	4.5
41.25°	1.8	2.4	3.0	3.4	3.7	4.0	4.0	4.0	4.0	4.3	4.6
40°	1.9	2.5	3.1	3.5	3.8	4.0	4.0	4.0	4.2	4.4	4.7
38.75°	2.0	2.7	3.2	3.5	3.8	4.0	4.0	4.0	4.3	4.6	4.9
37.5°	2.2	2.8	3.3	3.6	3.9	4.0	4.0	4.1	4.4	4.7	5.0
36.25°	2.3	2.9	3.4	3.7	4.0	4.0	4.0	4.2	4.5	4.8	5.1
35°	2.4	3.0	3.4	3.8	4.0	4.0	4.0	4.2	4.6	4.9	5.2



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	2.5	3.2	3.5	3.8	4.0	4.0	4.0	4.3	4.7	5.0	5.3
32.5°	2.6	3.2	3.6	3.9	4.0	4.0	4.1	4.4	4.8	5.1	5.4
31.25°	2.7	3.3	3.6	4.0	4.0	4.0	4.2	4.5	4.8	5.2	5.5
30°	2.8	3.3	3.7	4.0	4.0	4.0	4.3	4.6	4.9	5.3	5.6
28.75°	2.9	3.4	3.7	4.0	4.0	4.0	4.3	4.7	5.0	5.4	5.6
27.5°	3.0	3.4	3.8	4.0	4.0	4.1	4.4	4.7	5.1	5.4	5.6
26.25°	3.1	3.5	3.9	4.0	4.0	4.1	4.5	4.8	5.2	5.5	5.6
25°	3.2	3.5	3.9	4.0	4.0	4.2	4.5	4.9	5.3	5.6	5.6
23.75°	3.2	3.6	3.9	4.0	4.0	4.2	4.6	5.0	5.3	5.6	5.6
22.5°	3.3	3.6	4.0	4.0	4.0	4.3	4.7	5.0	5.4	5.6	5.6
21.25°	3.3	3.7	4.0	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6
20°	3.3	3.7	4.0	4.0	4.0	4.4	4.8	5.1	5.5	5.6	5.6
18.75°	3.4	3.7	4.0	4.0	4.1	4.4	4.8	5.2	5.6	5.6	5.6
17.5°	3.4	3.8	4.0	4.0	4.1	4.5	4.9	5.2	5.6	5.6	5.6
16.25°	3.4	3.8	4.0	4.0	4.2	4.5	4.9	5.3	5.6	5.6	5.6
15°	3.4	3.8	4.0	4.0	4.2	4.6	5.0	5.3	5.6	5.6	5.6
13.75°	3.5	3.9	4.0	4.0	4.2	4.6	5.0	5.4	5.6	5.6	5.6
12.5°	3.5	3.9	4.0	4.0	4.3	4.6	5.0	5.4	5.6	5.6	5.6
11.25°	3.5	3.9	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6	5.6
10°	3.5	3.9	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6	5.6
8.75°	3.5	3.9	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6	5.6
7.5°	3.6	4.0	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6	5.6
6.25°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
5°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
3.75°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
2.5°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
1.25°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
0°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
-1.25°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
-2.5°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
-3.75°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
-5°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
-6.25°	3.6	4.0	4.0	4.0	4.4	4.8	5.2	5.6	5.6	5.6	5.6
-7.5°	3.6	4.0	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6	5.6
-8.75°	3.5	3.9	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6	5.6
-10°	3.5	3.9	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6	5.6
-11.25°	3.5	3.9	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6	5.6
-12.5°	3.5	3.9	4.0	4.0	4.3	4.6	5.0	5.4	5.6	5.6	5.6
-13.75°	3.5	3.9	4.0	4.0	4.2	4.6	5.0	5.4	5.6	5.6	5.6
-15°	3.4	3.8	4.0	4.0	4.2	4.6	5.0	5.3	5.6	5.6	5.6
-16.25°	3.4	3.8	4.0	4.0	4.2	4.5	4.9	5.3	5.6	5.6	5.6
-17.5°	3.4	3.8	4.0	4.0	4.1	4.5	4.9	5.2	5.6	5.6	5.6
-18.75°	3.4	3.7	4.0	4.0	4.1	4.4	4.8	5.2	5.6	5.6	5.6
-20°	3.3	3.7	4.0	4.0	4.0	4.4	4.8	5.1	5.5	5.6	5.6
-21.25°	3.3	3.7	4.0	4.0	4.0	4.3	4.7	5.1	5.5	5.6	5.6



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	3.3	3.6	4.0	4.0	4.0	4.3	4.7	5.0	5.4	5.6	5.6
-23.75°	3.2	3.6	3.9	4.0	4.0	4.2	4.6	5.0	5.3	5.6	5.6
-25°	3.2	3.5	3.9	4.0	4.0	4.2	4.5	4.9	5.3	5.6	5.6
-26.25°	3.1	3.5	3.9	4.0	4.0	4.1	4.5	4.8	5.2	5.5	5.6
-27.5°	3.0	3.4	3.8	4.0	4.0	4.1	4.4	4.7	5.1	5.4	5.6
-28.75°	2.9	3.4	3.7	4.0	4.0	4.0	4.3	4.7	5.0	5.4	5.6
-30°	2.8	3.3	3.7	4.0	4.0	4.0	4.3	4.6	4.9	5.3	5.6
-31.25°	2.7	3.3	3.6	4.0	4.0	4.0	4.2	4.5	4.8	5.2	5.5
-32.5°	2.6	3.2	3.6	3.9	4.0	4.0	4.1	4.4	4.8	5.1	5.4
-33.75°	2.5	3.2	3.5	3.8	4.0	4.0	4.0	4.3	4.7	5.0	5.3
-35°	2.4	3.0	3.4	3.8	4.0	4.0	4.0	4.2	4.6	4.9	5.2
-36.25°	2.3	2.9	3.4	3.7	4.0	4.0	4.0	4.2	4.5	4.8	5.1
-37.5°	2.2	2.8	3.3	3.6	3.9	4.0	4.0	4.1	4.4	4.7	5.0
-38.75°	2.0	2.7	3.2	3.5	3.8	4.0	4.0	4.0	4.3	4.6	4.9
-40°	1.9	2.5	3.1	3.5	3.8	4.0	4.0	4.0	4.2	4.4	4.7
-41.25°	1.8	2.4	3.0	3.4	3.7	4.0	4.0	4.0	4.0	4.3	4.6
-42.5°	1.7	2.2	2.8	3.3	3.6	3.9	4.0	4.0	4.0	4.2	4.5
-43.75°	1.6	2.1	2.7	3.2	3.5	3.8	4.0	4.0	4.0	4.1	4.4
-45°	1.6	1.9	2.5	3.1	3.4	3.7	4.0	4.0	4.0	4.0	4.2
-46.25°	1.6	1.8	2.3	2.9	3.3	3.6	3.8	4.0	4.0	4.0	4.1
-47.5°	1.6	1.6	2.2	2.7	3.2	3.5	3.7	4.0	4.0	4.0	4.0
-48.75°	1.6	1.6	2.0	2.5	3.0	3.4	3.6	3.9	4.0	4.0	4.0
-50°	1.6	1.6	1.8	2.3	2.8	3.3	3.5	3.8	4.0	4.0	4.0
-51.25°	1.6	1.6	1.7	2.1	2.6	3.1	3.4	3.6	3.9	4.0	4.0
-52.5°	1.6	1.6	1.6	2.0	2.4	2.9	3.3	3.5	3.7	4.0	4.0
-53.75°	1.6	1.6	1.6	1.8	2.2	2.7	3.1	3.4	3.6	3.8	4.0
-55°	1.6	1.6	1.6	1.6	2.0	2.4	2.9	3.3	3.5	3.7	3.9
-56.25°	1.6	1.6	1.6	1.6	1.8	2.2	2.6	3.1	3.3	3.5	3.8
-57.5°	1.5	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.2	3.4	3.6
-58.75°	1.5	1.6	1.6	1.6	1.6	1.7	2.1	2.5	2.9	3.3	3.4
-60°	1.4	1.6	1.6	1.6	1.6	1.6	1.9	2.3	2.6	3.0	3.3
-61.25°	1.3	1.5	1.6	1.6	1.6	1.6	1.6	2.0	2.3	2.7	3.1
-62.5°	1.2	1.4	1.6	1.6	1.6	1.6	1.6	1.7	2.1	2.4	2.7
-63.75°	1.1	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.8	2.1	2.4
-65°	1.0	1.2	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.8	2.1
-66.25°	1.0	1.1	1.3	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.8
-67.5°	0.9	1.0	1.2	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6
-68.75°	0.8	0.9	1.1	1.2	1.3	1.5	1.6	1.6	1.6	1.6	1.6
-70°	0.8	0.8	1.0	1.1	1.2	1.3	1.5	1.6	1.6	1.6	1.6
-71.25°	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.6	1.6
-72.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
-73.75°	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
-75°	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3
-76.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.1
-77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0



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CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-81.25°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8
-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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°
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	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
81.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0
80°	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3
78.75°	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5
77.5°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.6	1.6
76.25°	1.2	1.3	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
73.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	2.0	2.1	2.3
71.25°	1.6	1.6	1.6	1.6	1.6	1.8	2.0	2.2	2.4	2.6	2.8
70°	1.6	1.6	1.6	1.7	2.0	2.2	2.4	2.7	2.9	3.1	3.3
68.75°	1.6	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.3	3.4	3.5
67.5°	1.7	2.0	2.3	2.5	2.8	3.1	3.3	3.4	3.5	3.6	3.8
66.25°	2.1	2.3	2.6	2.9	3.2	3.3	3.5	3.6	3.7	3.9	4.0
65°	2.4	2.7	3.0	3.3	3.4	3.5	3.7	3.8	4.0	4.0	4.0
63.75°	2.7	3.1	3.3	3.4	3.6	3.8	3.9	4.0	4.0	4.0	4.0
62.5°	3.1	3.3	3.5	3.6	3.8	4.0	4.0	4.0	4.0	4.0	4.0
61.25°	3.3	3.5	3.7	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.2
60°	3.5	3.7	3.8	4.0	4.0	4.0	4.0	4.0	4.1	4.2	4.4
58.75°	3.6	3.8	4.0	4.0	4.0	4.0	4.0	4.1	4.3	4.5	4.6
57.5°	3.8	4.0	4.0	4.0	4.0	4.0	4.1	4.3	4.5	4.7	4.9
56.25°	4.0	4.0	4.0	4.0	4.0	4.2	4.3	4.5	4.7	4.9	5.1
55°	4.0	4.0	4.0	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3
53.75°	4.0	4.0	4.0	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.5
52.5°	4.0	4.0	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.6	5.6
51.25°	4.0	4.0	4.2	4.5	4.7	4.9	5.1	5.4	5.6	5.6	5.6
50°	4.0	4.2	4.4	4.6	4.9	5.1	5.3	5.5	5.6	5.6	5.6
48.75°	4.1	4.3	4.6	4.8	5.0	5.3	5.5	5.6	5.6	5.6	5.6
47.5°	4.2	4.5	4.7	5.0	5.2	5.5	5.6	5.6	5.6	5.6	5.6
46.25°	4.4	4.6	4.9	5.1	5.4	5.6	5.6	5.6	5.6	5.6	5.6
45°	4.5	4.8	5.0	5.3	5.5	5.6	5.6	5.6	5.6	5.6	5.6
43.75°	4.6	4.9	5.2	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
42.5°	4.8	5.0	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
41.25°	4.9	5.2	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
40°	5.0	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
38.75°	5.2	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
37.5°	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.8
36.25°	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	6.0
35°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2



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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°
33.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	6.0	6.3
32.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4
31.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	6.0	6.4	6.4
30°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.4
28.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	6.0	6.3	6.4	6.4
27.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.8	6.1	6.4	6.4	6.4
26.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.4	6.5
25°	5.6	5.6	5.6	5.6	5.6	5.7	6.0	6.4	6.4	6.4	6.6
23.75°	5.6	5.6	5.6	5.6	5.6	5.8	6.1	6.4	6.4	6.4	6.7
22.5°	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.4	6.5	6.9
21.25°	5.6	5.6	5.6	5.6	5.6	6.0	6.3	6.4	6.4	6.6	7.0
20°	5.6	5.6	5.6	5.6	5.7	6.1	6.4	6.4	6.4	6.7	7.1
18.75°	5.6	5.6	5.6	5.6	5.8	6.2	6.4	6.4	6.5	6.8	7.2
17.5°	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.4	6.6	6.9	7.3
16.25°	5.6	5.6	5.6	5.6	5.9	6.3	6.4	6.4	6.6	7.0	7.4
15°	5.6	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.7	7.1	7.5
13.75°	5.6	5.6	5.6	5.7	6.1	6.4	6.4	6.4	6.8	7.2	7.6
12.5°	5.6	5.6	5.6	5.7	6.1	6.4	6.4	6.5	6.9	7.3	7.6
11.25°	5.6	5.6	5.6	5.8	6.2	6.4	6.4	6.5	6.9	7.3	7.7
10°	5.6	5.6	5.6	5.8	6.2	6.4	6.4	6.6	7.0	7.4	7.8
8.75°	5.6	5.6	5.6	5.9	6.3	6.4	6.4	6.6	7.0	7.4	7.8
7.5°	5.6	5.6	5.6	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9
6.25°	5.6	5.6	5.6	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9
5°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.7	7.1	7.5	7.9
3.75°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0
2.5°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0
1.25°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0
0°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0
-1.25°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0
-2.5°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0
-3.75°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.8	7.2	7.6	8.0
-5°	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.7	7.1	7.5	7.9
-6.25°	5.6	5.6	5.6	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9
-7.5°	5.6	5.6	5.6	5.9	6.3	6.4	6.4	6.7	7.1	7.5	7.9
-8.75°	5.6	5.6	5.6	5.9	6.3	6.4	6.4	6.6	7.0	7.4	7.8
-10°	5.6	5.6	5.6	5.8	6.2	6.4	6.4	6.6	7.0	7.4	7.8
-11.25°	5.6	5.6	5.6	5.8	6.2	6.4	6.4	6.5	6.9	7.3	7.7
-12.5°	5.6	5.6	5.6	5.7	6.1	6.4	6.4	6.5	6.9	7.3	7.6
-13.75°	5.6	5.6	5.6	5.7	6.1	6.4	6.4	6.4	6.8	7.2	7.6
-15°	5.6	5.6	5.6	5.6	6.0	6.4	6.4	6.4	6.7	7.1	7.5
-16.25°	5.6	5.6	5.6	5.6	5.9	6.3	6.4	6.4	6.6	7.0	7.4
-17.5°	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.4	6.6	6.9	7.3
-18.75°	5.6	5.6	5.6	5.6	5.8	6.2	6.4	6.4	6.5	6.8	7.2
-20°	5.6	5.6	5.6	5.6	5.7	6.1	6.4	6.4	6.4	6.7	7.1
-21.25°	5.6	5.6	5.6	5.6	5.6	6.0	6.3	6.4	6.4	6.6	7.0



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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°	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.4	6.5	6.9
-23.75°	5.6	5.6	5.6	5.6	5.6	5.8	6.1	6.4	6.4	6.4	6.7
-25°	5.6	5.6	5.6	5.6	5.6	5.7	6.0	6.4	6.4	6.4	6.6
-26.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.4	6.5
-27.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.8	6.1	6.4	6.4	6.4
-28.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	6.0	6.3	6.4	6.4
-30°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.4
-31.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	6.0	6.4	6.4
-32.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4
-33.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	6.0	6.3
-35°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2
-36.25°	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	6.0
-37.5°	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.8
-38.75°	5.2	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-40°	5.0	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-41.25°	4.9	5.2	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-42.5°	4.8	5.0	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-43.75°	4.6	4.9	5.2	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-45°	4.5	4.8	5.0	5.3	5.5	5.6	5.6	5.6	5.6	5.6	5.6
-46.25°	4.4	4.6	4.9	5.1	5.4	5.6	5.6	5.6	5.6	5.6	5.6
-47.5°	4.2	4.5	4.7	5.0	5.2	5.5	5.6	5.6	5.6	5.6	5.6
-48.75°	4.1	4.3	4.6	4.8	5.0	5.3	5.5	5.6	5.6	5.6	5.6
-50°	4.0	4.2	4.4	4.6	4.9	5.1	5.3	5.5	5.6	5.6	5.6
-51.25°	4.0	4.0	4.2	4.5	4.7	4.9	5.1	5.4	5.6	5.6	5.6
-52.5°	4.0	4.0	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.6	5.6
-53.75°	4.0	4.0	4.0	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.5
-55°	4.0	4.0	4.0	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3
-56.25°	4.0	4.0	4.0	4.0	4.0	4.2	4.3	4.5	4.7	4.9	5.1
-57.5°	3.8	4.0	4.0	4.0	4.0	4.0	4.1	4.3	4.5	4.7	4.9
-58.75°	3.6	3.8	4.0	4.0	4.0	4.0	4.0	4.1	4.3	4.5	4.6
-60°	3.5	3.7	3.8	4.0	4.0	4.0	4.0	4.0	4.1	4.2	4.4
-61.25°	3.3	3.5	3.7	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.2
-62.5°	3.1	3.3	3.5	3.6	3.8	4.0	4.0	4.0	4.0	4.0	4.0
-63.75°	2.7	3.1	3.3	3.4	3.6	3.8	3.9	4.0	4.0	4.0	4.0
-65°	2.4	2.7	3.0	3.3	3.4	3.5	3.7	3.8	4.0	4.0	4.0
-66.25°	2.1	2.3	2.6	2.9	3.2	3.3	3.5	3.6	3.7	3.9	4.0
-67.5°	1.7	2.0	2.3	2.5	2.8	3.1	3.3	3.4	3.5	3.6	3.8
-68.75°	1.6	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.3	3.4	3.5
-70°	1.6	1.6	1.6	1.7	2.0	2.2	2.4	2.7	2.9	3.1	3.3
-71.25°	1.6	1.6	1.6	1.6	1.6	1.8	2.0	2.2	2.4	2.6	2.8
-72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	2.0	2.1	2.3
-73.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8
-75°	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-76.25°	1.2	1.3	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
-77.5°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.6	1.6



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°
-78.75°	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5
-80°	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3
-81.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0
-82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1
81.25°	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5
80°	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
78.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
76.25°	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.9	2.0	2.2	2.3
75°	1.6	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9
73.75°	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1	3.2	3.3	3.4
72.5°	2.5	2.7	2.9	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7
71.25°	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.9	4.0
70°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.0	4.0	4.0
68.75°	3.6	3.7	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
67.5°	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.2
66.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.3	4.4	4.5
65°	4.0	4.0	4.0	4.0	4.1	4.2	4.3	4.4	4.6	4.7	4.8
63.75°	4.0	4.0	4.1	4.2	4.4	4.5	4.6	4.7	4.9	5.0	5.1
62.5°	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.0	5.2	5.3	5.4
61.25°	4.3	4.5	4.6	4.8	4.9	5.0	5.2	5.3	5.5	5.6	5.6
60°	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.6	5.6	5.6	5.6
58.75°	4.8	5.0	5.1	5.3	5.4	5.6	5.6	5.6	5.6	5.6	5.6
57.5°	5.0	5.2	5.4	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
56.25°	5.3	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
55°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
53.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
52.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
51.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7
50°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.8	6.0
48.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.9	6.1	6.3
47.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.8	6.0	6.2	6.4	6.4
46.25°	5.6	5.6	5.6	5.6	5.6	5.8	6.0	6.2	6.4	6.4	6.4
45°	5.6	5.6	5.6	5.6	5.8	6.1	6.3	6.4	6.4	6.4	6.4
43.75°	5.6	5.6	5.6	5.8	6.1	6.3	6.4	6.4	6.4	6.4	6.6
42.5°	5.6	5.6	5.8	6.1	6.3	6.4	6.4	6.4	6.4	6.7	6.9
41.25°	5.6	5.8	6.0	6.3	6.4	6.4	6.4	6.5	6.7	6.9	7.1
40°	5.7	6.0	6.2	6.4	6.4	6.4	6.5	6.7	6.9	7.2	7.4
38.75°	5.9	6.2	6.4	6.4	6.4	6.4	6.7	6.9	7.2	7.4	7.7
37.5°	6.1	6.4	6.4	6.4	6.4	6.7	6.9	7.2	7.4	7.7	7.9
36.25°	6.3	6.4	6.4	6.4	6.6	6.9	7.1	7.4	7.7	7.9	8.5
35°	6.4	6.4	6.4	6.5	6.8	7.1	7.4	7.6	7.9	8.5	9.3



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	6.4	6.4	6.4	6.7	7.0	7.3	7.6	7.9	8.4	9.2	10.0
32.5°	6.4	6.4	6.6	6.9	7.2	7.5	7.8	8.2	9.1	9.9	10.7
31.25°	6.4	6.5	6.8	7.1	7.4	7.7	8.0	8.9	9.7	10.6	11.4
30°	6.4	6.7	7.0	7.3	7.6	7.9	8.6	9.5	10.4	11.3	12.1
28.75°	6.5	6.8	7.1	7.5	7.8	8.3	9.2	10.1	11.0	11.9	12.8
27.5°	6.7	7.0	7.3	7.6	8.0	8.8	9.8	10.7	11.6	12.5	13.7
26.25°	6.8	7.1	7.5	7.8	8.4	9.3	10.3	11.3	12.2	13.3	14.5
25°	6.9	7.3	7.6	8.0	8.9	9.9	10.8	11.8	12.8	14.0	15.3
23.75°	7.1	7.4	7.8	8.3	9.3	10.3	11.3	12.3	13.5	14.8	16.1
22.5°	7.2	7.6	7.9	8.8	9.8	10.8	11.8	12.9	14.2	15.5	17.3
21.25°	7.3	7.7	8.1	9.2	10.2	11.3	12.3	13.5	14.9	16.4	18.4
20°	7.5	7.8	8.5	9.6	10.6	11.7	12.8	14.1	15.5	17.4	19.5
18.75°	7.6	7.9	8.9	10.0	11.0	12.1	13.3	14.7	16.2	18.3	20.5
17.5°	7.7	8.1	9.2	10.3	11.4	12.5	13.8	15.3	17.1	19.3	22.0
16.25°	7.8	8.4	9.5	10.6	11.8	12.9	14.3	15.8	17.9	20.1	24.0
15°	7.9	8.7	9.8	11.0	12.1	13.3	14.8	16.4	18.7	21.0	25.8
13.75°	7.9	9.0	10.1	11.2	12.4	13.7	15.2	17.1	19.4	22.6	27.4
12.5°	8.1	9.2	10.4	11.5	12.7	14.1	15.6	17.8	20.1	24.1	29.0
11.25°	8.3	9.4	10.6	11.8	12.9	14.5	16.0	18.4	20.7	25.4	30.4
10°	8.5	9.6	10.8	12.0	13.2	14.8	16.5	18.9	21.6	26.6	32.1
8.75°	8.6	9.8	11.0	12.2	13.5	15.1	17.0	19.4	22.7	27.7	34.8
7.5°	8.8	10.0	11.2	12.3	13.7	15.3	17.4	19.8	23.6	28.7	37.1
6.25°	8.9	10.1	11.3	12.5	13.9	15.5	17.7	20.1	24.3	29.5	39.1
5°	9.0	10.2	11.4	12.6	14.1	15.7	18.0	20.4	25.0	30.1	40.8
3.75°	9.1	10.3	11.5	12.7	14.2	15.8	18.2	20.6	25.5	30.6	42.1
2.5°	9.2	10.4	11.5	12.7	14.3	15.9	18.3	20.8	25.8	31.0	43.0
1.25°	9.2	10.4	11.6	12.8	14.4	16.0	18.4	20.9	26.0	31.2	43.6
0°	9.2	10.4	11.6	12.8	14.4	16.0	18.5	20.9	26.1	31.3	43.8
-1.25°	9.2	10.4	11.6	12.8	14.4	16.0	18.4	20.9	26.0	31.2	43.6
-2.5°	9.2	10.4	11.5	12.7	14.3	15.9	18.3	20.8	25.8	31.0	43.0
-3.75°	9.1	10.3	11.5	12.7	14.2	15.8	18.2	20.6	25.5	30.6	42.1
-5°	9.0	10.2	11.4	12.6	14.1	15.7	18.0	20.4	25.0	30.1	40.8
-6.25°	8.9	10.1	11.3	12.5	13.9	15.5	17.7	20.1	24.3	29.5	39.1
-7.5°	8.8	10.0	11.2	12.3	13.7	15.3	17.4	19.8	23.6	28.7	37.1
-8.75°	8.6	9.8	11.0	12.2	13.5	15.1	17.0	19.4	22.7	27.7	34.8
-10°	8.5	9.6	10.8	12.0	13.2	14.8	16.5	18.9	21.6	26.6	32.1
-11.25°	8.3	9.4	10.6	11.8	12.9	14.5	16.0	18.4	20.7	25.4	30.4
-12.5°	8.1	9.2	10.4	11.5	12.7	14.1	15.6	17.8	20.1	24.1	29.0
-13.75°	7.9	9.0	10.1	11.2	12.4	13.7	15.2	17.1	19.4	22.6	27.4
-15°	7.9	8.7	9.8	11.0	12.1	13.3	14.8	16.4	18.7	21.0	25.8
-16.25°	7.8	8.4	9.5	10.6	11.8	12.9	14.3	15.8	17.9	20.1	24.0
-17.5°	7.7	8.1	9.2	10.3	11.4	12.5	13.8	15.3	17.1	19.3	22.0
-18.75°	7.6	7.9	8.9	10.0	11.0	12.1	13.3	14.7	16.2	18.3	20.5
-20°	7.5	7.8	8.5	9.6	10.6	11.7	12.8	14.1	15.5	17.4	19.5
-21.25°	7.3	7.7	8.1	9.2	10.2	11.3	12.3	13.5	14.9	16.4	18.4



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	7.2	7.6	7.9	8.8	9.8	10.8	11.8	12.9	14.2	15.5	17.3
-23.75°	7.1	7.4	7.8	8.3	9.3	10.3	11.3	12.3	13.5	14.8	16.1
-25°	6.9	7.3	7.6	8.0	8.9	9.9	10.8	11.8	12.8	14.0	15.3
-26.25°	6.8	7.1	7.5	7.8	8.4	9.3	10.3	11.3	12.2	13.3	14.5
-27.5°	6.7	7.0	7.3	7.6	8.0	8.8	9.8	10.7	11.6	12.5	13.7
-28.75°	6.5	6.8	7.1	7.5	7.8	8.3	9.2	10.1	11.0	11.9	12.8
-30°	6.4	6.7	7.0	7.3	7.6	7.9	8.6	9.5	10.4	11.3	12.1
-31.25°	6.4	6.5	6.8	7.1	7.4	7.7	8.0	8.9	9.7	10.6	11.4
-32.5°	6.4	6.4	6.6	6.9	7.2	7.5	7.8	8.2	9.1	9.9	10.7
-33.75°	6.4	6.4	6.4	6.7	7.0	7.3	7.6	7.9	8.4	9.2	10.0
-35°	6.4	6.4	6.4	6.5	6.8	7.1	7.4	7.6	7.9	8.5	9.3
-36.25°	6.3	6.4	6.4	6.4	6.6	6.9	7.1	7.4	7.7	7.9	8.5
-37.5°	6.1	6.4	6.4	6.4	6.4	6.7	6.9	7.2	7.4	7.7	7.9
-38.75°	5.9	6.2	6.4	6.4	6.4	6.4	6.7	6.9	7.2	7.4	7.7
-40°	5.7	6.0	6.2	6.4	6.4	6.4	6.5	6.7	6.9	7.2	7.4
-41.25°	5.6	5.8	6.0	6.3	6.4	6.4	6.4	6.5	6.7	6.9	7.1
-42.5°	5.6	5.6	5.8	6.1	6.3	6.4	6.4	6.4	6.4	6.7	6.9
-43.75°	5.6	5.6	5.6	5.8	6.1	6.3	6.4	6.4	6.4	6.4	6.6
-45°	5.6	5.6	5.6	5.6	5.8	6.1	6.3	6.4	6.4	6.4	6.4
-46.25°	5.6	5.6	5.6	5.6	5.6	5.8	6.0	6.2	6.4	6.4	6.4
-47.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.8	6.0	6.2	6.4	6.4
-48.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.9	6.1	6.3
-50°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.8	6.0
-51.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7
-52.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-53.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-55°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-56.25°	5.3	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-57.5°	5.0	5.2	5.4	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-58.75°	4.8	5.0	5.1	5.3	5.4	5.6	5.6	5.6	5.6	5.6	5.6
-60°	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.6	5.6	5.6	5.6
-61.25°	4.3	4.5	4.6	4.8	4.9	5.0	5.2	5.3	5.5	5.6	5.6
-62.5°	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.0	5.2	5.3	5.4
-63.75°	4.0	4.0	4.1	4.2	4.4	4.5	4.6	4.7	4.9	5.0	5.1
-65°	4.0	4.0	4.0	4.0	4.1	4.2	4.3	4.4	4.6	4.7	4.8
-66.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.3	4.4	4.5
-67.5°	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.2
-68.75°	3.6	3.7	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-70°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.0	4.0	4.0
-71.25°	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.9	4.0
-72.5°	2.5	2.7	2.9	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7
-73.75°	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1	3.2	3.3	3.4
-75°	1.6	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9
-76.25°	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.9	2.0	2.2	2.3
-77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-80°	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
-81.25°	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5
-82.5°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1
-83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
81.25°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
78.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.8
77.5°	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.5	2.6
76.25°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3
75°	3.0	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6
73.75°	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	3.9	4.0
72.5°	3.8	3.8	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
71.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
70°	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.2	4.2	4.3
68.75°	4.0	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.7
67.5°	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0
66.25°	4.6	4.7	4.8	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.4
65°	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.6
63.75°	5.2	5.3	5.4	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
58.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
57.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
56.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.8	5.9
55°	5.6	5.6	5.6	5.6	5.6	5.7	5.8	5.9	6.0	6.1	6.2
53.75°	5.6	5.6	5.6	5.7	5.9	6.0	6.1	6.2	6.4	6.4	6.4
52.5°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.4	6.4	6.4	6.4
51.25°	5.9	6.0	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5
50°	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.7	6.9
48.75°	6.4	6.4	6.4	6.4	6.4	6.5	6.7	6.8	6.9	7.1	7.2
47.5°	6.4	6.4	6.4	6.5	6.7	6.8	7.0	7.1	7.3	7.4	7.6
46.25°	6.4	6.4	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8	7.9
45°	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.8	8.0	8.3	8.8
43.75°	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.4	8.9	9.3	9.8
42.5°	7.1	7.3	7.5	7.7	7.9	8.3	8.8	9.3	9.9	10.3	10.8
41.25°	7.4	7.6	7.8	8.0	8.6	9.2	9.8	10.3	10.8	11.3	11.8
40°	7.6	7.9	8.2	8.9	9.5	10.1	10.7	11.3	11.8	12.3	12.9
38.75°	7.9	8.4	9.1	9.7	10.4	11.0	11.6	12.2	12.8	13.5	14.2
37.5°	8.5	9.2	9.9	10.6	11.3	11.9	12.5	13.3	14.0	14.8	15.5
36.25°	9.3	10.0	10.7	11.4	12.1	12.8	13.7	14.5	15.3	16.1	17.3
35°	10.1	10.8	11.6	12.3	13.0	14.0	14.9	15.7	16.9	18.1	19.3



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	10.8	11.6	12.3	13.2	14.2	15.1	16.0	17.4	18.7	20.0	21.7
32.5°	11.6	12.3	13.2	14.3	15.3	16.4	17.8	19.2	20.6	23.1	25.8
31.25°	12.3	13.2	14.3	15.3	16.5	18.1	19.6	21.2	24.2	27.1	29.9
30°	13.0	14.2	15.3	16.5	18.1	19.7	21.7	24.9	28.0	31.0	37.7
28.75°	14.0	15.1	16.4	18.1	19.7	21.9	25.3	28.6	32.5	39.9	47.2
27.5°	14.9	16.0	17.8	19.6	21.7	25.3	28.7	33.4	41.3	49.0	56.5
26.25°	15.7	17.4	19.2	21.2	24.9	28.6	33.4	41.8	50.0	57.9	65.4
25°	16.9	18.7	20.6	24.2	28.0	32.5	41.3	50.0	58.4	66.3	74.0
23.75°	18.1	20.0	23.1	27.1	31.0	39.9	49.0	57.9	66.3	74.5	83.1
22.5°	19.3	21.7	25.8	29.9	37.7	47.2	56.5	65.4	74.0	83.1	93.3
21.25°	20.4	24.2	28.5	34.5	44.4	54.2	63.5	72.6	81.8	92.7	103.2
20°	22.3	26.6	31.0	40.8	50.9	60.7	70.2	79.6	90.8	101.9	113.5
18.75°	24.5	29.0	36.3	46.7	57.1	66.9	76.7	87.7	99.4	111.1	124.8
17.5°	26.6	31.2	41.7	52.4	62.8	72.9	83.5	95.6	107.6	121.5	136.8
16.25°	28.6	35.9	46.9	57.7	68.2	78.5	90.7	103.2	116.7	132.3	149.2
15°	30.5	40.6	51.7	62.6	73.2	84.6	97.5	110.4	125.9	142.9	161.6
13.75°	33.5	44.9	56.3	67.2	78.0	90.7	103.9	118.5	135.3	153.8	174.5
12.5°	37.3	48.9	60.3	71.4	82.9	96.4	109.8	126.3	144.5	164.7	187.9
11.25°	40.8	52.6	64.0	75.2	87.9	101.6	116.5	134.0	153.4	175.3	200.8
10°	44.0	55.9	67.3	78.7	92.4	106.4	122.5	141.0	162.0	186.1	215.1
8.75°	46.8	58.7	70.3	82.2	96.4	110.7	128.3	148.0	170.2	196.2	228.0
7.5°	49.3	61.2	72.9	85.6	99.9	115.2	133.6	154.1	177.5	205.9	239.4
6.25°	51.4	63.3	75.1	88.4	103.0	119.1	138.0	159.5	184.6	215.2	249.2
5°	53.1	65.1	76.9	90.8	105.4	122.3	141.9	164.3	190.6	222.8	257.3
3.75°	54.5	66.4	78.4	92.7	107.4	124.8	145.1	168.1	195.3	228.9	263.7
2.5°	55.4	67.4	79.4	94.0	108.8	126.8	147.4	170.9	198.7	233.2	268.3
1.25°	56.0	68.0	80.0	94.8	109.6	128.0	148.8	172.5	200.7	235.8	271.1
0°	56.2	68.2	80.2	95.1	109.9	128.4	149.3	173.1	201.4	236.7	272.0
-1.25°	56.0	68.0	80.0	94.8	109.6	128.0	148.8	172.5	200.7	235.8	271.1
-2.5°	55.4	67.4	79.4	94.0	108.8	126.8	147.4	170.9	198.7	233.2	268.3
-3.75°	54.5	66.4	78.4	92.7	107.4	124.8	145.1	168.1	195.3	228.9	263.7
-5°	53.1	65.1	76.9	90.8	105.4	122.3	141.9	164.3	190.6	222.8	257.3
-6.25°	51.4	63.3	75.1	88.4	103.0	119.1	138.0	159.5	184.6	215.2	249.2
-7.5°	49.3	61.2	72.9	85.6	99.9	115.2	133.6	154.1	177.5	205.9	239.4
-8.75°	46.8	58.7	70.3	82.2	96.4	110.7	128.3	148.0	170.2	196.2	228.0
-10°	44.0	55.9	67.3	78.7	92.4	106.4	122.5	141.0	162.0	186.1	215.1
-11.25°	40.8	52.6	64.0	75.2	87.9	101.6	116.5	134.0	153.4	175.3	200.8
-12.5°	37.3	48.9	60.3	71.4	82.9	96.4	109.8	126.3	144.5	164.7	187.9
-13.75°	33.5	44.9	56.3	67.2	78.0	90.7	103.9	118.5	135.3	153.8	174.5
-15°	30.5	40.6	51.7	62.6	73.2	84.6	97.5	110.4	125.9	142.9	161.6
-16.25°	28.6	35.9	46.9	57.7	68.2	78.5	90.7	103.2	116.7	132.3	149.2
-17.5°	26.6	31.2	41.7	52.4	62.8	72.9	83.5	95.6	107.6	121.5	136.8
-18.75°	24.5	29.0	36.3	46.7	57.1	66.9	76.7	87.7	99.4	111.1	124.8
-20°	22.3	26.6	31.0	40.8	50.9	60.7	70.2	79.6	90.8	101.9	113.5
-21.25°	20.4	24.2	28.5	34.5	44.4	54.2	63.5	72.6	81.8	92.7	103.2



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	19.3	21.7	25.8	29.9	37.7	47.2	56.5	65.4	74.0	83.1	93.3
-23.75°	18.1	20.0	23.1	27.1	31.0	39.9	49.0	57.9	66.3	74.5	83.1
-25°	16.9	18.7	20.6	24.2	28.0	32.5	41.3	50.0	58.4	66.3	74.0
-26.25°	15.7	17.4	19.2	21.2	24.9	28.6	33.4	41.8	50.0	57.9	65.4
-27.5°	14.9	16.0	17.8	19.6	21.7	25.3	28.7	33.4	41.3	49.0	56.5
-28.75°	14.0	15.1	16.4	18.1	19.7	21.9	25.3	28.6	32.5	39.9	47.2
-30°	13.0	14.2	15.3	16.5	18.1	19.7	21.7	24.9	28.0	31.0	37.7
-31.25°	12.3	13.2	14.3	15.3	16.5	18.1	19.6	21.2	24.2	27.1	29.9
-32.5°	11.6	12.3	13.2	14.3	15.3	16.4	17.8	19.2	20.6	23.1	25.8
-33.75°	10.8	11.6	12.3	13.2	14.2	15.1	16.0	17.4	18.7	20.0	21.7
-35°	10.1	10.8	11.6	12.3	13.0	14.0	14.9	15.7	16.9	18.1	19.3
-36.25°	9.3	10.0	10.7	11.4	12.1	12.8	13.7	14.5	15.3	16.1	17.3
-37.5°	8.5	9.2	9.9	10.6	11.3	11.9	12.5	13.3	14.0	14.8	15.5
-38.75°	7.9	8.4	9.1	9.7	10.4	11.0	11.6	12.2	12.8	13.5	14.2
-40°	7.6	7.9	8.2	8.9	9.5	10.1	10.7	11.3	11.8	12.3	12.9
-41.25°	7.4	7.6	7.8	8.0	8.6	9.2	9.8	10.3	10.8	11.3	11.8
-42.5°	7.1	7.3	7.5	7.7	7.9	8.3	8.8	9.3	9.9	10.3	10.8
-43.75°	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.4	8.9	9.3	9.8
-45°	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.8	8.0	8.3	8.8
-46.25°	6.4	6.4	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8	7.9
-47.5°	6.4	6.4	6.4	6.5	6.7	6.8	7.0	7.1	7.3	7.4	7.6
-48.75°	6.4	6.4	6.4	6.4	6.4	6.5	6.7	6.8	6.9	7.1	7.2
-50°	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.7	6.9
-51.25°	5.9	6.0	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5
-52.5°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.4	6.4	6.4	6.4
-53.75°	5.6	5.6	5.6	5.7	5.9	6.0	6.1	6.2	6.4	6.4	6.4
-55°	5.6	5.6	5.6	5.6	5.6	5.7	5.8	5.9	6.0	6.1	6.2
-56.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.8	5.9
-57.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-58.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-62.5°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-63.75°	5.2	5.3	5.4	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-65°	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.6
-66.25°	4.6	4.7	4.8	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.4
-67.5°	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0
-68.75°	4.0	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.7
-70°	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.2	4.2	4.3
-71.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-72.5°	3.8	3.8	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-73.75°	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	3.9	4.0
-75°	3.0	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6
-76.25°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3
-77.5°	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.5	2.6



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.8
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-81.25°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-82.5°	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
-83.75°	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
82.5°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6
81.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
78.75°	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3
77.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1
76.25°	3.3	3.3	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5
75°	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9
73.75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
71.25°	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.3
70°	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7
68.75°	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1
67.5°	5.1	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.5	5.5
66.25°	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
63.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
58.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.8	5.8	5.9
57.5°	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.3
56.25°	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.4
55°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
53.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.6
52.5°	6.4	6.4	6.5	6.6	6.6	6.7	6.8	6.9	6.9	7.0	7.0
51.25°	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.4
50°	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.8
48.75°	7.3	7.5	7.6	7.7	7.8	7.9	7.9	8.1	8.3	8.5	8.6
47.5°	7.7	7.8	7.9	8.1	8.4	8.7	9.0	9.2	9.4	9.6	9.8
46.25°	8.1	8.5	8.9	9.2	9.5	9.8	10.1	10.4	10.6	10.8	11.0
45°	9.2	9.6	10.0	10.3	10.6	11.0	11.2	11.5	11.8	12.0	12.2
43.75°	10.2	10.6	11.0	11.4	11.8	12.1	12.4	12.7	12.9	13.2	13.5
42.5°	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.8	15.1
41.25°	12.3	12.8	13.3	13.8	14.3	14.8	15.2	15.6	16.0	16.5	17.0
40°	13.5	14.1	14.7	15.3	15.8	16.4	17.1	17.8	18.4	18.9	19.4
38.75°	14.9	15.5	16.2	17.1	17.9	18.7	19.4	20.1	20.7	21.6	22.7
37.5°	16.4	17.4	18.3	19.3	20.1	21.0	22.6	24.1	25.4	26.6	27.7
36.25°	18.4	19.5	20.5	22.0	24.0	25.8	27.4	29.0	30.4	32.1	34.8
35°	20.4	22.3	24.5	26.6	28.6	30.5	33.5	37.3	40.8	44.0	46.8



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	24.2	26.6	29.0	31.2	35.9	40.6	44.9	48.9	52.6	55.9	58.7
32.5°	28.5	31.0	36.3	41.7	46.9	51.7	56.3	60.3	64.0	67.3	70.3
31.25°	34.5	40.8	46.7	52.4	57.7	62.6	67.2	71.4	75.2	78.7	82.2
30°	44.4	50.9	57.1	62.8	68.2	73.2	78.0	82.9	87.9	92.4	96.4
28.75°	54.2	60.7	66.9	72.9	78.5	84.6	90.7	96.4	101.6	106.4	110.7
27.5°	63.5	70.2	76.7	83.5	90.7	97.5	103.9	109.8	116.5	122.5	128.3
26.25°	72.6	79.6	87.7	95.6	103.2	110.4	118.5	126.3	134.0	141.0	148.0
25°	81.8	90.8	99.4	107.6	116.7	125.9	135.3	144.5	153.4	162.0	170.2
23.75°	92.7	101.9	111.1	121.5	132.3	142.9	153.8	164.7	175.3	186.1	196.2
22.5°	103.2	113.5	124.8	136.8	149.2	161.6	174.5	187.9	200.8	215.1	228.0
21.25°	114.3	126.6	139.6	153.4	167.7	182.6	198.2	215.3	231.8	247.0	260.6
20°	126.6	140.6	155.5	171.4	188.4	206.6	226.5	245.2	262.6	281.1	301.0
18.75°	139.6	155.5	172.6	191.4	212.2	234.1	254.9	275.6	300.9	324.3	345.4
17.5°	153.4	171.4	191.4	214.0	237.9	260.8	286.8	315.4	342.2	366.9	397.8
16.25°	167.7	188.4	212.2	237.9	262.8	292.5	324.2	354.3	388.0	425.6	474.2
15°	182.6	206.6	234.1	260.8	292.5	327.2	360.5	401.7	452.4	510.7	588.8
13.75°	198.2	226.5	254.9	286.8	324.2	360.5	406.4	466.1	542.8	636.7	762.8
12.5°	215.3	245.2	275.6	315.4	354.3	401.7	466.1	553.6	671.0	819.3	1003.9
11.25°	231.8	262.6	300.9	342.2	388.0	452.4	542.8	671.0	844.1	1056.0	1302.6
10°	247.0	281.1	324.3	366.9	425.6	510.7	636.7	819.3	1056.0	1337.4	1631.1
8.75°	260.6	301.0	345.4	397.8	474.2	588.8	762.8	1003.9	1302.6	1631.1	1954.5
7.5°	272.9	318.8	364.3	426.7	523.8	675.5	901.7	1199.8	1548.3	1909.1	2248.9
6.25°	287.3	334.0	385.2	462.2	580.9	768.3	1038.6	1387.0	1775.6	2156.5	2503.3
5°	299.3	346.8	404.6	492.0	630.0	860.4	1178.7	1564.4	1973.2	2363.9	2713.2
3.75°	308.7	356.8	420.0	520.1	687.6	945.7	1294.7	1707.2	2130.8	2523.8	2874.1
2.5°	315.5	364.1	433.3	545.8	729.4	1007.9	1380.7	1813.6	2243.5	2639.2	2993.8
1.25°	319.6	368.4	442.9	561.3	754.8	1045.6	1438.8	1878.9	2312.8	2710.4	3065.3
0°	321.0	369.9	446.2	566.5	763.3	1058.3	1458.4	1900.9	2336.2	2734.5	3089.0
-1.25°	319.6	368.4	442.9	561.3	754.8	1045.6	1438.8	1878.9	2312.8	2710.4	3065.3
-2.5°	315.5	364.1	433.3	545.8	729.4	1007.9	1380.7	1813.6	2243.5	2639.2	2993.8
-3.75°	308.7	356.8	420.0	520.1	687.6	945.7	1294.7	1707.2	2130.8	2523.8	2874.1
-5°	299.3	346.8	404.6	492.0	630.0	860.4	1178.7	1564.4	1973.2	2363.9	2713.2
-6.25°	287.3	334.0	385.2	462.2	580.9	768.3	1038.6	1387.0	1775.6	2156.5	2503.3
-7.5°	272.9	318.8	364.3	426.7	523.8	675.5	901.7	1199.8	1548.3	1909.1	2248.9
-8.75°	260.6	301.0	345.4	397.8	474.2	588.8	762.8	1003.9	1302.6	1631.1	1954.5
-10°	247.0	281.1	324.3	366.9	425.6	510.7	636.7	819.3	1056.0	1337.4	1631.1
-11.25°	231.8	262.6	300.9	342.2	388.0	452.4	542.8	671.0	844.1	1056.0	1302.6
-12.5°	215.3	245.2	275.6	315.4	354.3	401.7	466.1	553.6	671.0	819.3	1003.9
-13.75°	198.2	226.5	254.9	286.8	324.2	360.5	406.4	466.1	542.8	636.7	762.8
-15°	182.6	206.6	234.1	260.8	292.5	327.2	360.5	401.7	452.4	510.7	588.8
-16.25°	167.7	188.4	212.2	237.9	262.8	292.5	324.2	354.3	388.0	425.6	474.2
-17.5°	153.4	171.4	191.4	214.0	237.9	260.8	286.8	315.4	342.2	366.9	397.8
-18.75°	139.6	155.5	172.6	191.4	212.2	234.1	254.9	275.6	300.9	324.3	345.4
-20°	126.6	140.6	155.5	171.4	188.4	206.6	226.5	245.2	262.6	281.1	301.0
-21.25°	114.3	126.6	139.6	153.4	167.7	182.6	198.2	215.3	231.8	247.0	260.6



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	103.2	113.5	124.8	136.8	149.2	161.6	174.5	187.9	200.8	215.1	228.0
-23.75°	92.7	101.9	111.1	121.5	132.3	142.9	153.8	164.7	175.3	186.1	196.2
-25°	81.8	90.8	99.4	107.6	116.7	125.9	135.3	144.5	153.4	162.0	170.2
-26.25°	72.6	79.6	87.7	95.6	103.2	110.4	118.5	126.3	134.0	141.0	148.0
-27.5°	63.5	70.2	76.7	83.5	90.7	97.5	103.9	109.8	116.5	122.5	128.3
-28.75°	54.2	60.7	66.9	72.9	78.5	84.6	90.7	96.4	101.6	106.4	110.7
-30°	44.4	50.9	57.1	62.8	68.2	73.2	78.0	82.9	87.9	92.4	96.4
-31.25°	34.5	40.8	46.7	52.4	57.7	62.6	67.2	71.4	75.2	78.7	82.2
-32.5°	28.5	31.0	36.3	41.7	46.9	51.7	56.3	60.3	64.0	67.3	70.3
-33.75°	24.2	26.6	29.0	31.2	35.9	40.6	44.9	48.9	52.6	55.9	58.7
-35°	20.4	22.3	24.5	26.6	28.6	30.5	33.5	37.3	40.8	44.0	46.8
-36.25°	18.4	19.5	20.5	22.0	24.0	25.8	27.4	29.0	30.4	32.1	34.8
-37.5°	16.4	17.4	18.3	19.3	20.1	21.0	22.6	24.1	25.4	26.6	27.7
-38.75°	14.9	15.5	16.2	17.1	17.9	18.7	19.4	20.1	20.7	21.6	22.7
-40°	13.5	14.1	14.7	15.3	15.8	16.4	17.1	17.8	18.4	18.9	19.4
-41.25°	12.3	12.8	13.3	13.8	14.3	14.8	15.2	15.6	16.0	16.5	17.0
-42.5°	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.8	15.1
-43.75°	10.2	10.6	11.0	11.4	11.8	12.1	12.4	12.7	12.9	13.2	13.5
-45°	9.2	9.6	10.0	10.3	10.6	11.0	11.2	11.5	11.8	12.0	12.2
-46.25°	8.1	8.5	8.9	9.2	9.5	9.8	10.1	10.4	10.6	10.8	11.0
-47.5°	7.7	7.8	7.9	8.1	8.4	8.7	9.0	9.2	9.4	9.6	9.8
-48.75°	7.3	7.5	7.6	7.7	7.8	7.9	7.9	8.1	8.3	8.5	8.6
-50°	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.8
-51.25°	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.4
-52.5°	6.4	6.4	6.5	6.6	6.6	6.7	6.8	6.9	6.9	7.0	7.0
-53.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.6
-55°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-56.25°	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.4
-57.5°	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.3
-58.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.8	5.8	5.9
-60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-62.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-63.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-66.25°	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-67.5°	5.1	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.5	5.5
-68.75°	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1
-70°	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7
-71.25°	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.3
-72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-73.75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-75°	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9
-76.25°	3.3	3.3	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5
-77.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1



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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-81.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-82.5°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6
-83.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
81.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
78.75°	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
76.25°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
73.75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
71.25°	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
70°	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
68.75°	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
67.5°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
66.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
63.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
58.75°	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
57.5°	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
56.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
55°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
53.75°	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7
52.5°	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1
51.25°	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5
50°	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9
48.75°	8.8	8.9	9.0	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.0
47.5°	10.0	10.1	10.2	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.2
46.25°	11.2	11.3	11.4	11.5	11.5	11.6	11.6	11.6	11.5	11.5	11.4
45°	12.3	12.5	12.6	12.7	12.7	12.8	12.8	12.8	12.7	12.7	12.6
43.75°	13.7	13.9	14.1	14.2	14.3	14.4	14.4	14.4	14.3	14.2	14.1
42.5°	15.3	15.5	15.7	15.8	15.9	16.0	16.0	16.0	15.9	15.8	15.7
41.25°	17.4	17.7	18.0	18.2	18.3	18.4	18.5	18.4	18.3	18.2	18.0
40°	19.8	20.1	20.4	20.6	20.8	20.9	20.9	20.9	20.8	20.6	20.4
38.75°	23.6	24.3	25.0	25.5	25.8	26.0	26.1	26.0	25.8	25.5	25.0
37.5°	28.7	29.5	30.1	30.6	31.0	31.2	31.3	31.2	31.0	30.6	30.1
36.25°	37.1	39.1	40.8	42.1	43.0	43.6	43.8	43.6	43.0	42.1	40.8
35°	49.3	51.4	53.1	54.5	55.4	56.0	56.2	56.0	55.4	54.5	53.1



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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°	61.2	63.3	65.1	66.4	67.4	68.0	68.2	68.0	67.4	66.4	65.1
32.5°	72.9	75.1	76.9	78.4	79.4	80.0	80.2	80.0	79.4	78.4	76.9
31.25°	85.6	88.4	90.8	92.7	94.0	94.8	95.1	94.8	94.0	92.7	90.8
30°	99.9	103.0	105.4	107.4	108.8	109.6	109.9	109.6	108.8	107.4	105.4
28.75°	115.2	119.1	122.3	124.8	126.8	128.0	128.4	128.0	126.8	124.8	122.3
27.5°	133.6	138.0	141.9	145.1	147.4	148.8	149.3	148.8	147.4	145.1	141.9
26.25°	154.1	159.5	164.3	168.1	170.9	172.5	173.1	172.5	170.9	168.1	164.3
25°	177.5	184.6	190.6	195.3	198.7	200.7	201.4	200.7	198.7	195.3	190.6
23.75°	205.9	215.2	222.8	228.9	233.2	235.8	236.7	235.8	233.2	228.9	222.8
22.5°	239.4	249.2	257.3	263.7	268.3	271.1	272.0	271.1	268.3	263.7	257.3
21.25°	272.9	287.3	299.3	308.7	315.5	319.6	321.0	319.6	315.5	308.7	299.3
20°	318.8	334.0	346.8	356.8	364.1	368.4	369.9	368.4	364.1	356.8	346.8
18.75°	364.3	385.2	404.6	420.0	433.3	442.9	446.2	442.9	433.3	420.0	404.6
17.5°	426.7	462.2	492.0	520.1	545.8	561.3	566.5	561.3	545.8	520.1	492.0
16.25°	523.8	580.9	630.0	687.6	729.4	754.8	763.3	754.8	729.4	687.6	630.0
15°	675.5	768.3	860.4	945.7	1007.9	1045.6	1058.3	1045.6	1007.9	945.7	860.4
13.75°	901.7	1038.6	1178.7	1294.7	1380.7	1438.8	1458.4	1438.8	1380.7	1294.7	1178.7
12.5°	1199.8	1387.0	1564.4	1707.2	1813.6	1878.9	1900.9	1878.9	1813.6	1707.2	1564.4
11.25°	1548.3	1775.6	1973.2	2130.8	2243.5	2312.8	2336.2	2312.8	2243.5	2130.8	1973.2
10°	1909.1	2156.5	2363.9	2523.8	2639.2	2710.4	2734.5	2710.4	2639.2	2523.8	2363.9
8.75°	2248.9	2503.3	2713.2	2874.1	2993.8	3065.3	3089.0	3065.3	2993.8	2874.1	2713.2
7.5°	2549.4	2805.9	3020.1	3188.3	3314.8	3390.3	3416.1	3390.3	3314.8	3188.3	3020.1
6.25°	2805.9	3067.5	3291.1	3470.1	3601.6	3680.5	3707.8	3680.5	3601.6	3470.1	3291.1
5°	3020.1	3291.1	3525.0	3708.4	3844.9	3931.6	3962.1	3931.6	3844.9	3708.4	3525.0
3.75°	3188.3	3470.1	3708.4	3902.1	4044.6	4135.1	4160.9	4135.1	4044.6	3902.1	3708.4
2.5°	3314.8	3601.6	3844.9	4044.6	4188.3	4275.9	4303.6	4275.9	4188.3	4044.6	3844.9
1.25°	3390.3	3680.5	3931.6	4135.1	4275.9	4365.6	4399.3	4365.6	4275.9	4135.1	3931.6
0°	3416.1	3707.8	3962.1	4160.9	4303.6	4399.3	4446.8	4399.3	4303.6	4160.9	3962.1
-1.25°	3390.3	3680.5	3931.6	4135.1	4275.9	4365.6	4399.3	4365.6	4275.9	4135.1	3931.6
-2.5°	3314.8	3601.6	3844.9	4044.6	4188.3	4275.9	4303.6	4275.9	4188.3	4044.6	3844.9
-3.75°	3188.3	3470.1	3708.4	3902.1	4044.6	4135.1	4160.9	4135.1	4044.6	3902.1	3708.4
-5°	3020.1	3291.1	3525.0	3708.4	3844.9	3931.6	3962.1	3931.6	3844.9	3708.4	3525.0
-6.25°	2805.9	3067.5	3291.1	3470.1	3601.6	3680.5	3707.8	3680.5	3601.6	3470.1	3291.1
-7.5°	2549.4	2805.9	3020.1	3188.3	3314.8	3390.3	3416.1	3390.3	3314.8	3188.3	3020.1
-8.75°	2248.9	2503.3	2713.2	2874.1	2993.8	3065.3	3089.0	3065.3	2993.8	2874.1	2713.2
-10°	1909.1	2156.5	2363.9	2523.8	2639.2	2710.4	2734.5	2710.4	2639.2	2523.8	2363.9
-11.25°	1548.3	1775.6	1973.2	2130.8	2243.5	2312.8	2336.2	2312.8	2243.5	2130.8	1973.2
-12.5°	1199.8	1387.0	1564.4	1707.2	1813.6	1878.9	1900.9	1878.9	1813.6	1707.2	1564.4
-13.75°	901.7	1038.6	1178.7	1294.7	1380.7	1438.8	1458.4	1438.8	1380.7	1294.7	1178.7
-15°	675.5	768.3	860.4	945.7	1007.9	1045.6	1058.3	1045.6	1007.9	945.7	860.4
-16.25°	523.8	580.9	630.0	687.6	729.4	754.8	763.3	754.8	729.4	687.6	630.0
-17.5°	426.7	462.2	492.0	520.1	545.8	561.3	566.5	561.3	545.8	520.1	492.0
-18.75°	364.3	385.2	404.6	420.0	433.3	442.9	446.2	442.9	433.3	420.0	404.6
-20°	318.8	334.0	346.8	356.8	364.1	368.4	369.9	368.4	364.1	356.8	346.8
-21.25°	272.9	287.3	299.3	308.7	315.5	319.6	321.0	319.6	315.5	308.7	299.3



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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°	239.4	249.2	257.3	263.7	268.3	271.1	272.0	271.1	268.3	263.7	257.3
-23.75°	205.9	215.2	222.8	228.9	233.2	235.8	236.7	235.8	233.2	228.9	222.8
-25°	177.5	184.6	190.6	195.3	198.7	200.7	201.4	200.7	198.7	195.3	190.6
-26.25°	154.1	159.5	164.3	168.1	170.9	172.5	173.1	172.5	170.9	168.1	164.3
-27.5°	133.6	138.0	141.9	145.1	147.4	148.8	149.3	148.8	147.4	145.1	141.9
-28.75°	115.2	119.1	122.3	124.8	126.8	128.0	128.4	128.0	126.8	124.8	122.3
-30°	99.9	103.0	105.4	107.4	108.8	109.6	109.9	109.6	108.8	107.4	105.4
-31.25°	85.6	88.4	90.8	92.7	94.0	94.8	95.1	94.8	94.0	92.7	90.8
-32.5°	72.9	75.1	76.9	78.4	79.4	80.0	80.2	80.0	79.4	78.4	76.9
-33.75°	61.2	63.3	65.1	66.4	67.4	68.0	68.2	68.0	67.4	66.4	65.1
-35°	49.3	51.4	53.1	54.5	55.4	56.0	56.2	56.0	55.4	54.5	53.1
-36.25°	37.1	39.1	40.8	42.1	43.0	43.6	43.8	43.6	43.0	42.1	40.8
-37.5°	28.7	29.5	30.1	30.6	31.0	31.2	31.3	31.2	31.0	30.6	30.1
-38.75°	23.6	24.3	25.0	25.5	25.8	26.0	26.1	26.0	25.8	25.5	25.0
-40°	19.8	20.1	20.4	20.6	20.8	20.9	20.9	20.9	20.8	20.6	20.4
-41.25°	17.4	17.7	18.0	18.2	18.3	18.4	18.5	18.4	18.3	18.2	18.0
-42.5°	15.3	15.5	15.7	15.8	15.9	16.0	16.0	16.0	15.9	15.8	15.7
-43.75°	13.7	13.9	14.1	14.2	14.3	14.4	14.4	14.4	14.3	14.2	14.1
-45°	12.3	12.5	12.6	12.7	12.7	12.8	12.8	12.8	12.7	12.7	12.6
-46.25°	11.2	11.3	11.4	11.5	11.5	11.6	11.6	11.6	11.5	11.5	11.4
-47.5°	10.0	10.1	10.2	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.2
-48.75°	8.8	8.9	9.0	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.0
-50°	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9
-51.25°	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5
-52.5°	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1
-53.75°	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7
-55°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-56.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-57.5°	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-58.75°	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-62.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-63.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-66.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-67.5°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-68.75°	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-70°	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-71.25°	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-73.75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-76.25°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-77.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-81.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-83.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
82.5°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5
81.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
78.75°	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
77.5°	3.2	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8
76.25°	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4
75°	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
73.75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
71.25°	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1
70°	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4
68.75°	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8
67.5°	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.2
66.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
63.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
58.75°	5.9	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.6	5.6	5.6
57.5°	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.0	5.9	5.9	5.8
56.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.2
55°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
53.75°	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.4	6.4	6.4
52.5°	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.7	6.6	6.6	6.5
51.25°	7.5	7.5	7.4	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.8
50°	7.9	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.2
48.75°	8.9	8.8	8.6	8.5	8.3	8.1	7.9	7.9	7.8	7.7	7.6
47.5°	10.1	10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.4	8.1	7.9
46.25°	11.3	11.2	11.0	10.8	10.6	10.4	10.1	9.8	9.5	9.2	8.9
45°	12.5	12.3	12.2	12.0	11.8	11.5	11.2	11.0	10.6	10.3	10.0
43.75°	13.9	13.7	13.5	13.2	12.9	12.7	12.4	12.1	11.8	11.4	11.0
42.5°	15.5	15.3	15.1	14.8	14.5	14.1	13.7	13.3	12.9	12.5	12.1
41.25°	17.7	17.4	17.0	16.5	16.0	15.6	15.2	14.8	14.3	13.8	13.3
40°	20.1	19.8	19.4	18.9	18.4	17.8	17.1	16.4	15.8	15.3	14.7
38.75°	24.3	23.6	22.7	21.6	20.7	20.1	19.4	18.7	17.9	17.1	16.2
37.5°	29.5	28.7	27.7	26.6	25.4	24.1	22.6	21.0	20.1	19.3	18.3
36.25°	39.1	37.1	34.8	32.1	30.4	29.0	27.4	25.8	24.0	22.0	20.5
35°	51.4	49.3	46.8	44.0	40.8	37.3	33.5	30.5	28.6	26.6	24.5



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	63.3	61.2	58.7	55.9	52.6	48.9	44.9	40.6	35.9	31.2	29.0
32.5°	75.1	72.9	70.3	67.3	64.0	60.3	56.3	51.7	46.9	41.7	36.3
31.25°	88.4	85.6	82.2	78.7	75.2	71.4	67.2	62.6	57.7	52.4	46.7
30°	103.0	99.9	96.4	92.4	87.9	82.9	78.0	73.2	68.2	62.8	57.1
28.75°	119.1	115.2	110.7	106.4	101.6	96.4	90.7	84.6	78.5	72.9	66.9
27.5°	138.0	133.6	128.3	122.5	116.5	109.8	103.9	97.5	90.7	83.5	76.7
26.25°	159.5	154.1	148.0	141.0	134.0	126.3	118.5	110.4	103.2	95.6	87.7
25°	184.6	177.5	170.2	162.0	153.4	144.5	135.3	125.9	116.7	107.6	99.4
23.75°	215.2	205.9	196.2	186.1	175.3	164.7	153.8	142.9	132.3	121.5	111.1
22.5°	249.2	239.4	228.0	215.1	200.8	187.9	174.5	161.6	149.2	136.8	124.8
21.25°	287.3	272.9	260.6	247.0	231.8	215.3	198.2	182.6	167.7	153.4	139.6
20°	334.0	318.8	301.0	281.1	262.6	245.2	226.5	206.6	188.4	171.4	155.5
18.75°	385.2	364.3	345.4	324.3	300.9	275.6	254.9	234.1	212.2	191.4	172.6
17.5°	462.2	426.7	397.8	366.9	342.2	315.4	286.8	260.8	237.9	214.0	191.4
16.25°	580.9	523.8	474.2	425.6	388.0	354.3	324.2	292.5	262.8	237.9	212.2
15°	768.3	675.5	588.8	510.7	452.4	401.7	360.5	327.2	292.5	260.8	234.1
13.75°	1038.6	901.7	762.8	636.7	542.8	466.1	406.4	360.5	324.2	286.8	254.9
12.5°	1387.0	1199.8	1003.9	819.3	671.0	553.6	466.1	401.7	354.3	315.4	275.6
11.25°	1775.6	1548.3	1302.6	1056.0	844.1	671.0	542.8	452.4	388.0	342.2	300.9
10°	2156.5	1909.1	1631.1	1337.4	1056.0	819.3	636.7	510.7	425.6	366.9	324.3
8.75°	2503.3	2248.9	1954.5	1631.1	1302.6	1003.9	762.8	588.8	474.2	397.8	345.4
7.5°	2805.9	2549.4	2248.9	1909.1	1548.3	1199.8	901.7	675.5	523.8	426.7	364.3
6.25°	3067.5	2805.9	2503.3	2156.5	1775.6	1387.0	1038.6	768.3	580.9	462.2	385.2
5°	3291.1	3020.1	2713.2	2363.9	1973.2	1564.4	1178.7	860.4	630.0	492.0	404.6
3.75°	3470.1	3188.3	2874.1	2523.8	2130.8	1707.2	1294.7	945.7	687.6	520.1	420.0
2.5°	3601.6	3314.8	2993.8	2639.2	2243.5	1813.6	1380.7	1007.9	729.4	545.8	433.3
1.25°	3680.5	3390.3	3065.3	2710.4	2312.8	1878.9	1438.8	1045.6	754.8	561.3	442.9
0°	3707.8	3416.1	3089.0	2734.5	2336.2	1900.9	1458.4	1058.3	763.3	566.5	446.2
-1.25°	3680.5	3390.3	3065.3	2710.4	2312.8	1878.9	1438.8	1045.6	754.8	561.3	442.9
-2.5°	3601.6	3314.8	2993.8	2639.2	2243.5	1813.6	1380.7	1007.9	729.4	545.8	433.3
-3.75°	3470.1	3188.3	2874.1	2523.8	2130.8	1707.2	1294.7	945.7	687.6	520.1	420.0
-5°	3291.1	3020.1	2713.2	2363.9	1973.2	1564.4	1178.7	860.4	630.0	492.0	404.6
-6.25°	3067.5	2805.9	2503.3	2156.5	1775.6	1387.0	1038.6	768.3	580.9	462.2	385.2
-7.5°	2805.9	2549.4	2248.9	1909.1	1548.3	1199.8	901.7	675.5	523.8	426.7	364.3
-8.75°	2503.3	2248.9	1954.5	1631.1	1302.6	1003.9	762.8	588.8	474.2	397.8	345.4
-10°	2156.5	1909.1	1631.1	1337.4	1056.0	819.3	636.7	510.7	425.6	366.9	324.3
-11.25°	1775.6	1548.3	1302.6	1056.0	844.1	671.0	542.8	452.4	388.0	342.2	300.9
-12.5°	1387.0	1199.8	1003.9	819.3	671.0	553.6	466.1	401.7	354.3	315.4	275.6
-13.75°	1038.6	901.7	762.8	636.7	542.8	466.1	406.4	360.5	324.2	286.8	254.9
-15°	768.3	675.5	588.8	510.7	452.4	401.7	360.5	327.2	292.5	260.8	234.1
-16.25°	580.9	523.8	474.2	425.6	388.0	354.3	324.2	292.5	262.8	237.9	212.2
-17.5°	462.2	426.7	397.8	366.9	342.2	315.4	286.8	260.8	237.9	214.0	191.4
-18.75°	385.2	364.3	345.4	324.3	300.9	275.6	254.9	234.1	212.2	191.4	172.6
-20°	334.0	318.8	301.0	281.1	262.6	245.2	226.5	206.6	188.4	171.4	155.5
-21.25°	287.3	272.9	260.6	247.0	231.8	215.3	198.2	182.6	167.7	153.4	139.6



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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°
-22.5°	249.2	239.4	228.0	215.1	200.8	187.9	174.5	161.6	149.2	136.8	124.8
-23.75°	215.2	205.9	196.2	186.1	175.3	164.7	153.8	142.9	132.3	121.5	111.1
-25°	184.6	177.5	170.2	162.0	153.4	144.5	135.3	125.9	116.7	107.6	99.4
-26.25°	159.5	154.1	148.0	141.0	134.0	126.3	118.5	110.4	103.2	95.6	87.7
-27.5°	138.0	133.6	128.3	122.5	116.5	109.8	103.9	97.5	90.7	83.5	76.7
-28.75°	119.1	115.2	110.7	106.4	101.6	96.4	90.7	84.6	78.5	72.9	66.9
-30°	103.0	99.9	96.4	92.4	87.9	82.9	78.0	73.2	68.2	62.8	57.1
-31.25°	88.4	85.6	82.2	78.7	75.2	71.4	67.2	62.6	57.7	52.4	46.7
-32.5°	75.1	72.9	70.3	67.3	64.0	60.3	56.3	51.7	46.9	41.7	36.3
-33.75°	63.3	61.2	58.7	55.9	52.6	48.9	44.9	40.6	35.9	31.2	29.0
-35°	51.4	49.3	46.8	44.0	40.8	37.3	33.5	30.5	28.6	26.6	24.5
-36.25°	39.1	37.1	34.8	32.1	30.4	29.0	27.4	25.8	24.0	22.0	20.5
-37.5°	29.5	28.7	27.7	26.6	25.4	24.1	22.6	21.0	20.1	19.3	18.3
-38.75°	24.3	23.6	22.7	21.6	20.7	20.1	19.4	18.7	17.9	17.1	16.2
-40°	20.1	19.8	19.4	18.9	18.4	17.8	17.1	16.4	15.8	15.3	14.7
-41.25°	17.7	17.4	17.0	16.5	16.0	15.6	15.2	14.8	14.3	13.8	13.3
-42.5°	15.5	15.3	15.1	14.8	14.5	14.1	13.7	13.3	12.9	12.5	12.1
-43.75°	13.9	13.7	13.5	13.2	12.9	12.7	12.4	12.1	11.8	11.4	11.0
-45°	12.5	12.3	12.2	12.0	11.8	11.5	11.2	11.0	10.6	10.3	10.0
-46.25°	11.3	11.2	11.0	10.8	10.6	10.4	10.1	9.8	9.5	9.2	8.9
-47.5°	10.1	10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.4	8.1	7.9
-48.75°	8.9	8.8	8.6	8.5	8.3	8.1	7.9	7.9	7.8	7.7	7.6
-50°	7.9	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.2
-51.25°	7.5	7.5	7.4	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.8
-52.5°	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.7	6.6	6.6	6.5
-53.75°	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.4	6.4	6.4
-55°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-56.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.2
-57.5°	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.0	5.9	5.9	5.8
-58.75°	5.9	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.6	5.6	5.6
-60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-62.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-63.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-66.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-67.5°	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.2
-68.75°	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8
-70°	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4
-71.25°	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1
-72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-73.75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-75°	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
-76.25°	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4
-77.5°	3.2	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-81.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-82.5°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5
-83.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
82.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2
81.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
78.75°	2.0	1.9	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.0	1.9
76.25°	3.3	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6
75°	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2
73.75°	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.7	3.7	3.6	3.6
72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9
71.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
70°	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	4.0	4.0
68.75°	4.8	4.7	4.7	4.6	4.5	4.5	4.4	4.3	4.3	4.2	4.1
67.5°	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4
66.25°	5.5	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.8
65°	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.1
63.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4
62.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
58.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
57.5°	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
56.25°	6.1	6.0	5.9	5.8	5.7	5.6	5.6	5.6	5.6	5.6	5.6
55°	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.6	5.6
53.75°	6.4	6.4	6.4	6.4	6.4	6.2	6.1	6.0	5.9	5.7	5.6
52.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.0	5.9
51.25°	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2
50°	7.1	7.0	6.9	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.4
48.75°	7.5	7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.4	6.4
47.5°	7.8	7.7	7.6	7.4	7.3	7.1	7.0	6.8	6.7	6.5	6.4
46.25°	8.5	8.1	7.9	7.8	7.6	7.5	7.3	7.1	7.0	6.8	6.6
45°	9.6	9.2	8.8	8.3	8.0	7.8	7.6	7.5	7.3	7.1	6.9
43.75°	10.6	10.2	9.8	9.3	8.9	8.4	8.0	7.8	7.6	7.4	7.2
42.5°	11.7	11.3	10.8	10.3	9.9	9.3	8.8	8.3	7.9	7.7	7.5
41.25°	12.8	12.3	11.8	11.3	10.8	10.3	9.8	9.2	8.6	8.0	7.8
40°	14.1	13.5	12.9	12.3	11.8	11.3	10.7	10.1	9.5	8.9	8.2
38.75°	15.5	14.9	14.2	13.5	12.8	12.2	11.6	11.0	10.4	9.7	9.1
37.5°	17.4	16.4	15.5	14.8	14.0	13.3	12.5	11.9	11.3	10.6	9.9
36.25°	19.5	18.4	17.3	16.1	15.3	14.5	13.7	12.8	12.1	11.4	10.7
35°	22.3	20.4	19.3	18.1	16.9	15.7	14.9	14.0	13.0	12.3	11.6



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	26.6	24.2	21.7	20.0	18.7	17.4	16.0	15.1	14.2	13.2	12.3
32.5°	31.0	28.5	25.8	23.1	20.6	19.2	17.8	16.4	15.3	14.3	13.2
31.25°	40.8	34.5	29.9	27.1	24.2	21.2	19.6	18.1	16.5	15.3	14.3
30°	50.9	44.4	37.7	31.0	28.0	24.9	21.7	19.7	18.1	16.5	15.3
28.75°	60.7	54.2	47.2	39.9	32.5	28.6	25.3	21.9	19.7	18.1	16.4
27.5°	70.2	63.5	56.5	49.0	41.3	33.4	28.7	25.3	21.7	19.6	17.8
26.25°	79.6	72.6	65.4	57.9	50.0	41.8	33.4	28.6	24.9	21.2	19.2
25°	90.8	81.8	74.0	66.3	58.4	50.0	41.3	32.5	28.0	24.2	20.6
23.75°	101.9	92.7	83.1	74.5	66.3	57.9	49.0	39.9	31.0	27.1	23.1
22.5°	113.5	103.2	93.3	83.1	74.0	65.4	56.5	47.2	37.7	29.9	25.8
21.25°	126.6	114.3	103.2	92.7	81.8	72.6	63.5	54.2	44.4	34.5	28.5
20°	140.6	126.6	113.5	101.9	90.8	79.6	70.2	60.7	50.9	40.8	31.0
18.75°	155.5	139.6	124.8	111.1	99.4	87.7	76.7	66.9	57.1	46.7	36.3
17.5°	171.4	153.4	136.8	121.5	107.6	95.6	83.5	72.9	62.8	52.4	41.7
16.25°	188.4	167.7	149.2	132.3	116.7	103.2	90.7	78.5	68.2	57.7	46.9
15°	206.6	182.6	161.6	142.9	125.9	110.4	97.5	84.6	73.2	62.6	51.7
13.75°	226.5	198.2	174.5	153.8	135.3	118.5	103.9	90.7	78.0	67.2	56.3
12.5°	245.2	215.3	187.9	164.7	144.5	126.3	109.8	96.4	82.9	71.4	60.3
11.25°	262.6	231.8	200.8	175.3	153.4	134.0	116.5	101.6	87.9	75.2	64.0
10°	281.1	247.0	215.1	186.1	162.0	141.0	122.5	106.4	92.4	78.7	67.3
8.75°	301.0	260.6	228.0	196.2	170.2	148.0	128.3	110.7	96.4	82.2	70.3
7.5°	318.8	272.9	239.4	205.9	177.5	154.1	133.6	115.2	99.9	85.6	72.9
6.25°	334.0	287.3	249.2	215.2	184.6	159.5	138.0	119.1	103.0	88.4	75.1
5°	346.8	299.3	257.3	222.8	190.6	164.3	141.9	122.3	105.4	90.8	76.9
3.75°	356.8	308.7	263.7	228.9	195.3	168.1	145.1	124.8	107.4	92.7	78.4
2.5°	364.1	315.5	268.3	233.2	198.7	170.9	147.4	126.8	108.8	94.0	79.4
1.25°	368.4	319.6	271.1	235.8	200.7	172.5	148.8	128.0	109.6	94.8	80.0
0°	369.9	321.0	272.0	236.7	201.4	173.1	149.3	128.4	109.9	95.1	80.2
-1.25°	368.4	319.6	271.1	235.8	200.7	172.5	148.8	128.0	109.6	94.8	80.0
-2.5°	364.1	315.5	268.3	233.2	198.7	170.9	147.4	126.8	108.8	94.0	79.4
-3.75°	356.8	308.7	263.7	228.9	195.3	168.1	145.1	124.8	107.4	92.7	78.4
-5°	346.8	299.3	257.3	222.8	190.6	164.3	141.9	122.3	105.4	90.8	76.9
-6.25°	334.0	287.3	249.2	215.2	184.6	159.5	138.0	119.1	103.0	88.4	75.1
-7.5°	318.8	272.9	239.4	205.9	177.5	154.1	133.6	115.2	99.9	85.6	72.9
-8.75°	301.0	260.6	228.0	196.2	170.2	148.0	128.3	110.7	96.4	82.2	70.3
-10°	281.1	247.0	215.1	186.1	162.0	141.0	122.5	106.4	92.4	78.7	67.3
-11.25°	262.6	231.8	200.8	175.3	153.4	134.0	116.5	101.6	87.9	75.2	64.0
-12.5°	245.2	215.3	187.9	164.7	144.5	126.3	109.8	96.4	82.9	71.4	60.3
-13.75°	226.5	198.2	174.5	153.8	135.3	118.5	103.9	90.7	78.0	67.2	56.3
-15°	206.6	182.6	161.6	142.9	125.9	110.4	97.5	84.6	73.2	62.6	51.7
-16.25°	188.4	167.7	149.2	132.3	116.7	103.2	90.7	78.5	68.2	57.7	46.9
-17.5°	171.4	153.4	136.8	121.5	107.6	95.6	83.5	72.9	62.8	52.4	41.7
-18.75°	155.5	139.6	124.8	111.1	99.4	87.7	76.7	66.9	57.1	46.7	36.3
-20°	140.6	126.6	113.5	101.9	90.8	79.6	70.2	60.7	50.9	40.8	31.0
-21.25°	126.6	114.3	103.2	92.7	81.8	72.6	63.5	54.2	44.4	34.5	28.5



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°
-22.5°	113.5	103.2	93.3	83.1	74.0	65.4	56.5	47.2	37.7	29.9	25.8
-23.75°	101.9	92.7	83.1	74.5	66.3	57.9	49.0	39.9	31.0	27.1	23.1
-25°	90.8	81.8	74.0	66.3	58.4	50.0	41.3	32.5	28.0	24.2	20.6
-26.25°	79.6	72.6	65.4	57.9	50.0	41.8	33.4	28.6	24.9	21.2	19.2
-27.5°	70.2	63.5	56.5	49.0	41.3	33.4	28.7	25.3	21.7	19.6	17.8
-28.75°	60.7	54.2	47.2	39.9	32.5	28.6	25.3	21.9	19.7	18.1	16.4
-30°	50.9	44.4	37.7	31.0	28.0	24.9	21.7	19.7	18.1	16.5	15.3
-31.25°	40.8	34.5	29.9	27.1	24.2	21.2	19.6	18.1	16.5	15.3	14.3
-32.5°	31.0	28.5	25.8	23.1	20.6	19.2	17.8	16.4	15.3	14.3	13.2
-33.75°	26.6	24.2	21.7	20.0	18.7	17.4	16.0	15.1	14.2	13.2	12.3
-35°	22.3	20.4	19.3	18.1	16.9	15.7	14.9	14.0	13.0	12.3	11.6
-36.25°	19.5	18.4	17.3	16.1	15.3	14.5	13.7	12.8	12.1	11.4	10.7
-37.5°	17.4	16.4	15.5	14.8	14.0	13.3	12.5	11.9	11.3	10.6	9.9
-38.75°	15.5	14.9	14.2	13.5	12.8	12.2	11.6	11.0	10.4	9.7	9.1
-40°	14.1	13.5	12.9	12.3	11.8	11.3	10.7	10.1	9.5	8.9	8.2
-41.25°	12.8	12.3	11.8	11.3	10.8	10.3	9.8	9.2	8.6	8.0	7.8
-42.5°	11.7	11.3	10.8	10.3	9.9	9.3	8.8	8.3	7.9	7.7	7.5
-43.75°	10.6	10.2	9.8	9.3	8.9	8.4	8.0	7.8	7.6	7.4	7.2
-45°	9.6	9.2	8.8	8.3	8.0	7.8	7.6	7.5	7.3	7.1	6.9
-46.25°	8.5	8.1	7.9	7.8	7.6	7.5	7.3	7.1	7.0	6.8	6.6
-47.5°	7.8	7.7	7.6	7.4	7.3	7.1	7.0	6.8	6.7	6.5	6.4
-48.75°	7.5	7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.4	6.4
-50°	7.1	7.0	6.9	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.4
-51.25°	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2
-52.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.0	5.9
-53.75°	6.4	6.4	6.4	6.4	6.4	6.2	6.1	6.0	5.9	5.7	5.6
-55°	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.6	5.6
-56.25°	6.1	6.0	5.9	5.8	5.7	5.6	5.6	5.6	5.6	5.6	5.6
-57.5°	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-58.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-61.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-62.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-63.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4
-65°	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.1
-66.25°	5.5	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.8
-67.5°	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4
-68.75°	4.8	4.7	4.7	4.6	4.5	4.5	4.4	4.3	4.3	4.2	4.1
-70°	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	4.0	4.0
-71.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9
-73.75°	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.7	3.7	3.6	3.6
-75°	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2
-76.25°	3.3	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-77.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.0	1.9



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	2.0	1.9	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-81.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-82.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2
-83.75°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
81.25°	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4
78.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
76.25°	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.6
75°	3.2	3.0	2.9	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8
73.75°	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.8	2.7	2.5	2.3
72.5°	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9
71.25°	4.0	4.0	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3
70°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.8	3.7	3.6
68.75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.8
67.5°	4.3	4.2	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0
66.25°	4.7	4.6	4.5	4.4	4.3	4.2	4.0	4.0	4.0	4.0	4.0
65°	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.0	4.0
63.75°	5.3	5.2	5.1	5.0	4.9	4.7	4.6	4.5	4.4	4.2	4.1
62.5°	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.8	4.6	4.5	4.4
61.25°	5.6	5.6	5.6	5.6	5.5	5.3	5.2	5.0	4.9	4.8	4.6
60°	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.2	5.0	4.9
58.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.4	5.3	5.1
57.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4
56.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
55°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
53.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
52.5°	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
51.25°	6.0	5.9	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
50°	6.3	6.2	6.0	5.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6
48.75°	6.4	6.4	6.3	6.1	5.9	5.7	5.6	5.6	5.6	5.6	5.6
47.5°	6.4	6.4	6.4	6.4	6.2	6.0	5.8	5.6	5.6	5.6	5.6
46.25°	6.4	6.4	6.4	6.4	6.4	6.2	6.0	5.8	5.6	5.6	5.6
45°	6.7	6.5	6.4	6.4	6.4	6.4	6.3	6.1	5.8	5.6	5.6
43.75°	7.0	6.8	6.6	6.4	6.4	6.4	6.4	6.3	6.1	5.8	5.6
42.5°	7.3	7.1	6.9	6.7	6.4	6.4	6.4	6.4	6.3	6.1	5.8
41.25°	7.6	7.4	7.1	6.9	6.7	6.5	6.4	6.4	6.4	6.3	6.0
40°	7.9	7.6	7.4	7.2	6.9	6.7	6.5	6.4	6.4	6.4	6.2
38.75°	8.4	7.9	7.7	7.4	7.2	6.9	6.7	6.4	6.4	6.4	6.4
37.5°	9.2	8.5	7.9	7.7	7.4	7.2	6.9	6.7	6.4	6.4	6.4
36.25°	10.0	9.3	8.5	7.9	7.7	7.4	7.1	6.9	6.6	6.4	6.4
35°	10.8	10.1	9.3	8.5	7.9	7.6	7.4	7.1	6.8	6.5	6.4



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	11.6	10.8	10.0	9.2	8.4	7.9	7.6	7.3	7.0	6.7	6.4
32.5°	12.3	11.6	10.7	9.9	9.1	8.2	7.8	7.5	7.2	6.9	6.6
31.25°	13.2	12.3	11.4	10.6	9.7	8.9	8.0	7.7	7.4	7.1	6.8
30°	14.2	13.0	12.1	11.3	10.4	9.5	8.6	7.9	7.6	7.3	7.0
28.75°	15.1	14.0	12.8	11.9	11.0	10.1	9.2	8.3	7.8	7.5	7.1
27.5°	16.0	14.9	13.7	12.5	11.6	10.7	9.8	8.8	8.0	7.6	7.3
26.25°	17.4	15.7	14.5	13.3	12.2	11.3	10.3	9.3	8.4	7.8	7.5
25°	18.7	16.9	15.3	14.0	12.8	11.8	10.8	9.9	8.9	8.0	7.6
23.75°	20.0	18.1	16.1	14.8	13.5	12.3	11.3	10.3	9.3	8.3	7.8
22.5°	21.7	19.3	17.3	15.5	14.2	12.9	11.8	10.8	9.8	8.8	7.9
21.25°	24.2	20.4	18.4	16.4	14.9	13.5	12.3	11.3	10.2	9.2	8.1
20°	26.6	22.3	19.5	17.4	15.5	14.1	12.8	11.7	10.6	9.6	8.5
18.75°	29.0	24.5	20.5	18.3	16.2	14.7	13.3	12.1	11.0	10.0	8.9
17.5°	31.2	26.6	22.0	19.3	17.1	15.3	13.8	12.5	11.4	10.3	9.2
16.25°	35.9	28.6	24.0	20.1	17.9	15.8	14.3	12.9	11.8	10.6	9.5
15°	40.6	30.5	25.8	21.0	18.7	16.4	14.8	13.3	12.1	11.0	9.8
13.75°	44.9	33.5	27.4	22.6	19.4	17.1	15.2	13.7	12.4	11.2	10.1
12.5°	48.9	37.3	29.0	24.1	20.1	17.8	15.6	14.1	12.7	11.5	10.4
11.25°	52.6	40.8	30.4	25.4	20.7	18.4	16.0	14.5	12.9	11.8	10.6
10°	55.9	44.0	32.1	26.6	21.6	18.9	16.5	14.8	13.2	12.0	10.8
8.75°	58.7	46.8	34.8	27.7	22.7	19.4	17.0	15.1	13.5	12.2	11.0
7.5°	61.2	49.3	37.1	28.7	23.6	19.8	17.4	15.3	13.7	12.3	11.2
6.25°	63.3	51.4	39.1	29.5	24.3	20.1	17.7	15.5	13.9	12.5	11.3
5°	65.1	53.1	40.8	30.1	25.0	20.4	18.0	15.7	14.1	12.6	11.4
3.75°	66.4	54.5	42.1	30.6	25.5	20.6	18.2	15.8	14.2	12.7	11.5
2.5°	67.4	55.4	43.0	31.0	25.8	20.8	18.3	15.9	14.3	12.7	11.5
1.25°	68.0	56.0	43.6	31.2	26.0	20.9	18.4	16.0	14.4	12.8	11.6
0°	68.2	56.2	43.8	31.3	26.1	20.9	18.5	16.0	14.4	12.8	11.6
-1.25°	68.0	56.0	43.6	31.2	26.0	20.9	18.4	16.0	14.4	12.8	11.6
-2.5°	67.4	55.4	43.0	31.0	25.8	20.8	18.3	15.9	14.3	12.7	11.5
-3.75°	66.4	54.5	42.1	30.6	25.5	20.6	18.2	15.8	14.2	12.7	11.5
-5°	65.1	53.1	40.8	30.1	25.0	20.4	18.0	15.7	14.1	12.6	11.4
-6.25°	63.3	51.4	39.1	29.5	24.3	20.1	17.7	15.5	13.9	12.5	11.3
-7.5°	61.2	49.3	37.1	28.7	23.6	19.8	17.4	15.3	13.7	12.3	11.2
-8.75°	58.7	46.8	34.8	27.7	22.7	19.4	17.0	15.1	13.5	12.2	11.0
-10°	55.9	44.0	32.1	26.6	21.6	18.9	16.5	14.8	13.2	12.0	10.8
-11.25°	52.6	40.8	30.4	25.4	20.7	18.4	16.0	14.5	12.9	11.8	10.6
-12.5°	48.9	37.3	29.0	24.1	20.1	17.8	15.6	14.1	12.7	11.5	10.4
-13.75°	44.9	33.5	27.4	22.6	19.4	17.1	15.2	13.7	12.4	11.2	10.1
-15°	40.6	30.5	25.8	21.0	18.7	16.4	14.8	13.3	12.1	11.0	9.8
-16.25°	35.9	28.6	24.0	20.1	17.9	15.8	14.3	12.9	11.8	10.6	9.5
-17.5°	31.2	26.6	22.0	19.3	17.1	15.3	13.8	12.5	11.4	10.3	9.2
-18.75°	29.0	24.5	20.5	18.3	16.2	14.7	13.3	12.1	11.0	10.0	8.9
-20°	26.6	22.3	19.5	17.4	15.5	14.1	12.8	11.7	10.6	9.6	8.5
-21.25°	24.2	20.4	18.4	16.4	14.9	13.5	12.3	11.3	10.2	9.2	8.1



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	21.7	19.3	17.3	15.5	14.2	12.9	11.8	10.8	9.8	8.8	7.9
-23.75°	20.0	18.1	16.1	14.8	13.5	12.3	11.3	10.3	9.3	8.3	7.8
-25°	18.7	16.9	15.3	14.0	12.8	11.8	10.8	9.9	8.9	8.0	7.6
-26.25°	17.4	15.7	14.5	13.3	12.2	11.3	10.3	9.3	8.4	7.8	7.5
-27.5°	16.0	14.9	13.7	12.5	11.6	10.7	9.8	8.8	8.0	7.6	7.3
-28.75°	15.1	14.0	12.8	11.9	11.0	10.1	9.2	8.3	7.8	7.5	7.1
-30°	14.2	13.0	12.1	11.3	10.4	9.5	8.6	7.9	7.6	7.3	7.0
-31.25°	13.2	12.3	11.4	10.6	9.7	8.9	8.0	7.7	7.4	7.1	6.8
-32.5°	12.3	11.6	10.7	9.9	9.1	8.2	7.8	7.5	7.2	6.9	6.6
-33.75°	11.6	10.8	10.0	9.2	8.4	7.9	7.6	7.3	7.0	6.7	6.4
-35°	10.8	10.1	9.3	8.5	7.9	7.6	7.4	7.1	6.8	6.5	6.4
-36.25°	10.0	9.3	8.5	7.9	7.7	7.4	7.1	6.9	6.6	6.4	6.4
-37.5°	9.2	8.5	7.9	7.7	7.4	7.2	6.9	6.7	6.4	6.4	6.4
-38.75°	8.4	7.9	7.7	7.4	7.2	6.9	6.7	6.4	6.4	6.4	6.4
-40°	7.9	7.6	7.4	7.2	6.9	6.7	6.5	6.4	6.4	6.4	6.2
-41.25°	7.6	7.4	7.1	6.9	6.7	6.5	6.4	6.4	6.4	6.3	6.0
-42.5°	7.3	7.1	6.9	6.7	6.4	6.4	6.4	6.4	6.3	6.1	5.8
-43.75°	7.0	6.8	6.6	6.4	6.4	6.4	6.4	6.3	6.1	5.8	5.6
-45°	6.7	6.5	6.4	6.4	6.4	6.4	6.3	6.1	5.8	5.6	5.6
-46.25°	6.4	6.4	6.4	6.4	6.4	6.2	6.0	5.8	5.6	5.6	5.6
-47.5°	6.4	6.4	6.4	6.4	6.2	6.0	5.8	5.6	5.6	5.6	5.6
-48.75°	6.4	6.4	6.3	6.1	5.9	5.7	5.6	5.6	5.6	5.6	5.6
-50°	6.3	6.2	6.0	5.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-51.25°	6.0	5.9	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-52.5°	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-53.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-55°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-56.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-57.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4
-58.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.4	5.3	5.1
-60°	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.2	5.0	4.9
-61.25°	5.6	5.6	5.6	5.6	5.5	5.3	5.2	5.0	4.9	4.8	4.6
-62.5°	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.8	4.6	4.5	4.4
-63.75°	5.3	5.2	5.1	5.0	4.9	4.7	4.6	4.5	4.4	4.2	4.1
-65°	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.0	4.0
-66.25°	4.7	4.6	4.5	4.4	4.3	4.2	4.0	4.0	4.0	4.0	4.0
-67.5°	4.3	4.2	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-68.75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.8
-70°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.8	3.7	3.6
-71.25°	4.0	4.0	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3
-72.5°	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9
-73.75°	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.8	2.7	2.5	2.3
-75°	3.2	3.0	2.9	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8
-76.25°	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.6
-77.5°	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4
-81.25°	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
-82.5°	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
-83.75°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
81.25°	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8
80°	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8
78.75°	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.3	1.2
76.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
73.75°	2.2	2.0	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	2.7	2.5	2.3	2.1	2.0	1.8	1.6	1.6	1.6	1.6	1.6
71.25°	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.6	1.6
70°	3.5	3.4	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.7	1.6
68.75°	3.7	3.6	3.5	3.4	3.3	3.1	2.9	2.6	2.4	2.1	1.9
67.5°	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.1	2.8	2.5	2.3
66.25°	4.0	4.0	4.0	3.9	3.7	3.6	3.5	3.3	3.2	2.9	2.6
65°	4.0	4.0	4.0	4.0	4.0	3.8	3.7	3.5	3.4	3.3	3.0
63.75°	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.8	3.6	3.4	3.3
62.5°	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	3.8	3.6	3.5
61.25°	4.5	4.3	4.2	4.0	4.0	4.0	4.0	4.0	4.0	3.8	3.7
60°	4.7	4.6	4.4	4.2	4.1	4.0	4.0	4.0	4.0	4.0	3.8
58.75°	5.0	4.8	4.6	4.5	4.3	4.1	4.0	4.0	4.0	4.0	4.0
57.5°	5.2	5.0	4.9	4.7	4.5	4.3	4.1	4.0	4.0	4.0	4.0
56.25°	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.2	4.0	4.0	4.0
55°	5.6	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.1	4.0	4.0
53.75°	5.6	5.6	5.5	5.4	5.2	4.9	4.7	4.5	4.3	4.1	4.0
52.5°	5.6	5.6	5.6	5.6	5.4	5.2	4.9	4.7	4.5	4.3	4.1
51.25°	5.6	5.6	5.6	5.6	5.6	5.4	5.1	4.9	4.7	4.5	4.2
50°	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.1	4.9	4.6	4.4
48.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.0	4.8	4.6
47.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.2	5.0	4.7
46.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.4	5.1	4.9
45°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.0
43.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.4	5.2
42.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.3
41.25°	5.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5
40°	6.0	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
38.75°	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
37.5°	6.4	6.1	5.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
36.25°	6.4	6.3	6.0	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6
35°	6.4	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	6.4	6.4	6.3	6.0	5.7	5.6	5.6	5.6	5.6	5.6	5.6
32.5°	6.4	6.4	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.6
31.25°	6.5	6.4	6.4	6.4	6.0	5.7	5.6	5.6	5.6	5.6	5.6
30°	6.7	6.4	6.4	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6
28.75°	6.8	6.5	6.4	6.4	6.3	6.0	5.7	5.6	5.6	5.6	5.6
27.5°	7.0	6.7	6.4	6.4	6.4	6.1	5.8	5.6	5.6	5.6	5.6
26.25°	7.1	6.8	6.5	6.4	6.4	6.2	5.9	5.6	5.6	5.6	5.6
25°	7.3	6.9	6.6	6.4	6.4	6.4	6.0	5.7	5.6	5.6	5.6
23.75°	7.4	7.1	6.7	6.4	6.4	6.4	6.1	5.8	5.6	5.6	5.6
22.5°	7.6	7.2	6.9	6.5	6.4	6.4	6.2	5.9	5.6	5.6	5.6
21.25°	7.7	7.3	7.0	6.6	6.4	6.4	6.3	6.0	5.6	5.6	5.6
20°	7.8	7.5	7.1	6.7	6.4	6.4	6.4	6.1	5.7	5.6	5.6
18.75°	7.9	7.6	7.2	6.8	6.5	6.4	6.4	6.2	5.8	5.6	5.6
17.5°	8.1	7.7	7.3	6.9	6.6	6.4	6.4	6.2	5.9	5.6	5.6
16.25°	8.4	7.8	7.4	7.0	6.6	6.4	6.4	6.3	5.9	5.6	5.6
15°	8.7	7.9	7.5	7.1	6.7	6.4	6.4	6.4	6.0	5.6	5.6
13.75°	9.0	7.9	7.6	7.2	6.8	6.4	6.4	6.4	6.1	5.7	5.6
12.5°	9.2	8.1	7.6	7.3	6.9	6.5	6.4	6.4	6.1	5.7	5.6
11.25°	9.4	8.3	7.7	7.3	6.9	6.5	6.4	6.4	6.2	5.8	5.6
10°	9.6	8.5	7.8	7.4	7.0	6.6	6.4	6.4	6.2	5.8	5.6
8.75°	9.8	8.6	7.8	7.4	7.0	6.6	6.4	6.4	6.3	5.9	5.6
7.5°	10.0	8.8	7.9	7.5	7.1	6.7	6.4	6.4	6.3	5.9	5.6
6.25°	10.1	8.9	7.9	7.5	7.1	6.7	6.4	6.4	6.3	5.9	5.6
5°	10.2	9.0	7.9	7.5	7.1	6.7	6.4	6.4	6.4	6.0	5.6
3.75°	10.3	9.1	8.0	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6
2.5°	10.4	9.2	8.0	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6
1.25°	10.4	9.2	8.0	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6
0°	10.4	9.2	8.0	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6
-1.25°	10.4	9.2	8.0	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6
-2.5°	10.4	9.2	8.0	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6
-3.75°	10.3	9.1	8.0	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6
-5°	10.2	9.0	7.9	7.5	7.1	6.7	6.4	6.4	6.4	6.0	5.6
-6.25°	10.1	8.9	7.9	7.5	7.1	6.7	6.4	6.4	6.3	5.9	5.6
-7.5°	10.0	8.8	7.9	7.5	7.1	6.7	6.4	6.4	6.3	5.9	5.6
-8.75°	9.8	8.6	7.8	7.4	7.0	6.6	6.4	6.4	6.3	5.9	5.6
-10°	9.6	8.5	7.8	7.4	7.0	6.6	6.4	6.4	6.2	5.8	5.6
-11.25°	9.4	8.3	7.7	7.3	6.9	6.5	6.4	6.4	6.2	5.8	5.6
-12.5°	9.2	8.1	7.6	7.3	6.9	6.5	6.4	6.4	6.1	5.7	5.6
-13.75°	9.0	7.9	7.6	7.2	6.8	6.4	6.4	6.4	6.1	5.7	5.6
-15°	8.7	7.9	7.5	7.1	6.7	6.4	6.4	6.4	6.0	5.6	5.6
-16.25°	8.4	7.8	7.4	7.0	6.6	6.4	6.4	6.3	5.9	5.6	5.6
-17.5°	8.1	7.7	7.3	6.9	6.6	6.4	6.4	6.2	5.9	5.6	5.6
-18.75°	7.9	7.6	7.2	6.8	6.5	6.4	6.4	6.2	5.8	5.6	5.6
-20°	7.8	7.5	7.1	6.7	6.4	6.4	6.4	6.1	5.7	5.6	5.6
-21.25°	7.7	7.3	7.0	6.6	6.4	6.4	6.3	6.0	5.6	5.6	5.6



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°
-22.5°	7.6	7.2	6.9	6.5	6.4	6.4	6.2	5.9	5.6	5.6	5.6
-23.75°	7.4	7.1	6.7	6.4	6.4	6.4	6.1	5.8	5.6	5.6	5.6
-25°	7.3	6.9	6.6	6.4	6.4	6.4	6.0	5.7	5.6	5.6	5.6
-26.25°	7.1	6.8	6.5	6.4	6.4	6.2	5.9	5.6	5.6	5.6	5.6
-27.5°	7.0	6.7	6.4	6.4	6.4	6.1	5.8	5.6	5.6	5.6	5.6
-28.75°	6.8	6.5	6.4	6.4	6.3	6.0	5.7	5.6	5.6	5.6	5.6
-30°	6.7	6.4	6.4	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6
-31.25°	6.5	6.4	6.4	6.4	6.0	5.7	5.6	5.6	5.6	5.6	5.6
-32.5°	6.4	6.4	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.6
-33.75°	6.4	6.4	6.3	6.0	5.7	5.6	5.6	5.6	5.6	5.6	5.6
-35°	6.4	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-36.25°	6.4	6.3	6.0	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-37.5°	6.4	6.1	5.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-38.75°	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-40°	6.0	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-41.25°	5.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5
-42.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.3
-43.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.4	5.2
-45°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.0
-46.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.4	5.1	4.9
-47.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.2	5.0	4.7
-48.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.0	4.8	4.6
-50°	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.1	4.9	4.6	4.4
-51.25°	5.6	5.6	5.6	5.6	5.6	5.4	5.1	4.9	4.7	4.5	4.2
-52.5°	5.6	5.6	5.6	5.6	5.4	5.2	4.9	4.7	4.5	4.3	4.1
-53.75°	5.6	5.6	5.5	5.4	5.2	4.9	4.7	4.5	4.3	4.1	4.0
-55°	5.6	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.1	4.0	4.0
-56.25°	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.2	4.0	4.0	4.0
-57.5°	5.2	5.0	4.9	4.7	4.5	4.3	4.1	4.0	4.0	4.0	4.0
-58.75°	5.0	4.8	4.6	4.5	4.3	4.1	4.0	4.0	4.0	4.0	4.0
-60°	4.7	4.6	4.4	4.2	4.1	4.0	4.0	4.0	4.0	4.0	3.8
-61.25°	4.5	4.3	4.2	4.0	4.0	4.0	4.0	4.0	4.0	3.8	3.7
-62.5°	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	3.8	3.6	3.5
-63.75°	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.8	3.6	3.4	3.3
-65°	4.0	4.0	4.0	4.0	4.0	3.8	3.7	3.5	3.4	3.3	3.0
-66.25°	4.0	4.0	4.0	3.9	3.7	3.6	3.5	3.3	3.2	2.9	2.6
-67.5°	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.1	2.8	2.5	2.3
-68.75°	3.7	3.6	3.5	3.4	3.3	3.1	2.9	2.6	2.4	2.1	1.9
-70°	3.5	3.4	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.7	1.6
-71.25°	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.6	1.6
-72.5°	2.7	2.5	2.3	2.1	2.0	1.8	1.6	1.6	1.6	1.6	1.6
-73.75°	2.2	2.0	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-76.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4
-77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.3	1.2



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°
-78.75°	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0
-80°	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8
-81.25°	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8
-82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
81.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
78.75°	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	1.1	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
76.25°	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.8
75°	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.8	0.8
73.75°	1.6	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8
72.5°	1.6	1.6	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
71.25°	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.2	1.1	1.0	0.9
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.2	1.1	1.0
68.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.2	1.1
67.5°	2.0	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.2
66.25°	2.3	2.1	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.3
65°	2.7	2.4	2.1	1.8	1.6	1.6	1.6	1.6	1.6	1.5	1.4
63.75°	3.1	2.7	2.4	2.1	1.8	1.6	1.6	1.6	1.6	1.6	1.5
62.5°	3.3	3.1	2.7	2.4	2.1	1.7	1.6	1.6	1.6	1.6	1.6
61.25°	3.5	3.3	3.1	2.7	2.3	2.0	1.6	1.6	1.6	1.6	1.6
60°	3.7	3.5	3.3	3.0	2.6	2.3	1.9	1.6	1.6	1.6	1.6
58.75°	3.8	3.6	3.4	3.3	2.9	2.5	2.1	1.7	1.6	1.6	1.6
57.5°	4.0	3.8	3.6	3.4	3.2	2.8	2.4	2.0	1.6	1.6	1.6
56.25°	4.0	4.0	3.8	3.5	3.3	3.1	2.6	2.2	1.8	1.6	1.6
55°	4.0	4.0	3.9	3.7	3.5	3.3	2.9	2.4	2.0	1.6	1.6
53.75°	4.0	4.0	4.0	3.8	3.6	3.4	3.1	2.7	2.2	1.8	1.6
52.5°	4.0	4.0	4.0	4.0	3.7	3.5	3.3	2.9	2.4	2.0	1.6
51.25°	4.0	4.0	4.0	4.0	3.9	3.6	3.4	3.1	2.6	2.1	1.7
50°	4.2	4.0	4.0	4.0	4.0	3.8	3.5	3.3	2.8	2.3	1.8
48.75°	4.3	4.1	4.0	4.0	4.0	3.9	3.6	3.4	3.0	2.5	2.0
47.5°	4.5	4.2	4.0	4.0	4.0	4.0	3.7	3.5	3.2	2.7	2.2
46.25°	4.6	4.4	4.1	4.0	4.0	4.0	3.8	3.6	3.3	2.9	2.3
45°	4.8	4.5	4.2	4.0	4.0	4.0	4.0	3.7	3.4	3.1	2.5
43.75°	4.9	4.6	4.4	4.1	4.0	4.0	4.0	3.8	3.5	3.2	2.7
42.5°	5.0	4.8	4.5	4.2	4.0	4.0	4.0	3.9	3.6	3.3	2.8
41.25°	5.2	4.9	4.6	4.3	4.0	4.0	4.0	4.0	3.7	3.4	3.0
40°	5.3	5.0	4.7	4.4	4.2	4.0	4.0	4.0	3.8	3.5	3.1
38.75°	5.5	5.2	4.9	4.6	4.3	4.0	4.0	4.0	3.8	3.5	3.2
37.5°	5.6	5.3	5.0	4.7	4.4	4.1	4.0	4.0	3.9	3.6	3.3
36.25°	5.6	5.4	5.1	4.8	4.5	4.2	4.0	4.0	4.0	3.7	3.4
35°	5.6	5.5	5.2	4.9	4.6	4.2	4.0	4.0	4.0	3.8	3.4



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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°
33.75°	5.6	5.6	5.3	5.0	4.7	4.3	4.0	4.0	4.0	3.8	3.5
32.5°	5.6	5.6	5.4	5.1	4.8	4.4	4.1	4.0	4.0	3.9	3.6
31.25°	5.6	5.6	5.5	5.2	4.8	4.5	4.2	4.0	4.0	4.0	3.6
30°	5.6	5.6	5.6	5.3	4.9	4.6	4.3	4.0	4.0	4.0	3.7
28.75°	5.6	5.6	5.6	5.4	5.0	4.7	4.3	4.0	4.0	4.0	3.7
27.5°	5.6	5.6	5.6	5.4	5.1	4.7	4.4	4.1	4.0	4.0	3.8
26.25°	5.6	5.6	5.6	5.5	5.2	4.8	4.5	4.1	4.0	4.0	3.9
25°	5.6	5.6	5.6	5.6	5.3	4.9	4.5	4.2	4.0	4.0	3.9
23.75°	5.6	5.6	5.6	5.6	5.3	5.0	4.6	4.2	4.0	4.0	3.9
22.5°	5.6	5.6	5.6	5.6	5.4	5.0	4.7	4.3	4.0	4.0	4.0
21.25°	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0	4.0
20°	5.6	5.6	5.6	5.6	5.5	5.1	4.8	4.4	4.0	4.0	4.0
18.75°	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.1	4.0	4.0
17.5°	5.6	5.6	5.6	5.6	5.6	5.2	4.9	4.5	4.1	4.0	4.0
16.25°	5.6	5.6	5.6	5.6	5.6	5.3	4.9	4.5	4.2	4.0	4.0
15°	5.6	5.6	5.6	5.6	5.6	5.3	5.0	4.6	4.2	4.0	4.0
13.75°	5.6	5.6	5.6	5.6	5.6	5.4	5.0	4.6	4.2	4.0	4.0
12.5°	5.6	5.6	5.6	5.6	5.6	5.4	5.0	4.6	4.3	4.0	4.0
11.25°	5.6	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0
10°	5.6	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0
8.75°	5.6	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0
7.5°	5.6	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0
6.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
5°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
3.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
2.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
1.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
0°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
-1.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
-2.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
-3.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
-5°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
-6.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.0	4.0
-7.5°	5.6	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0
-8.75°	5.6	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0
-10°	5.6	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0
-11.25°	5.6	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0
-12.5°	5.6	5.6	5.6	5.6	5.6	5.4	5.0	4.6	4.3	4.0	4.0
-13.75°	5.6	5.6	5.6	5.6	5.6	5.4	5.0	4.6	4.2	4.0	4.0
-15°	5.6	5.6	5.6	5.6	5.6	5.3	5.0	4.6	4.2	4.0	4.0
-16.25°	5.6	5.6	5.6	5.6	5.6	5.3	4.9	4.5	4.2	4.0	4.0
-17.5°	5.6	5.6	5.6	5.6	5.6	5.2	4.9	4.5	4.1	4.0	4.0
-18.75°	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.4	4.1	4.0	4.0
-20°	5.6	5.6	5.6	5.6	5.5	5.1	4.8	4.4	4.0	4.0	4.0
-21.25°	5.6	5.6	5.6	5.6	5.5	5.1	4.7	4.3	4.0	4.0	4.0



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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°	5.6	5.6	5.6	5.6	5.4	5.0	4.7	4.3	4.0	4.0	4.0
-23.75°	5.6	5.6	5.6	5.6	5.3	5.0	4.6	4.2	4.0	4.0	3.9
-25°	5.6	5.6	5.6	5.6	5.3	4.9	4.5	4.2	4.0	4.0	3.9
-26.25°	5.6	5.6	5.6	5.5	5.2	4.8	4.5	4.1	4.0	4.0	3.9
-27.5°	5.6	5.6	5.6	5.4	5.1	4.7	4.4	4.1	4.0	4.0	3.8
-28.75°	5.6	5.6	5.6	5.4	5.0	4.7	4.3	4.0	4.0	4.0	3.7
-30°	5.6	5.6	5.6	5.3	4.9	4.6	4.3	4.0	4.0	4.0	3.7
-31.25°	5.6	5.6	5.5	5.2	4.8	4.5	4.2	4.0	4.0	4.0	3.6
-32.5°	5.6	5.6	5.4	5.1	4.8	4.4	4.1	4.0	4.0	3.9	3.6
-33.75°	5.6	5.6	5.3	5.0	4.7	4.3	4.0	4.0	4.0	3.8	3.5
-35°	5.6	5.5	5.2	4.9	4.6	4.2	4.0	4.0	4.0	3.8	3.4
-36.25°	5.6	5.4	5.1	4.8	4.5	4.2	4.0	4.0	4.0	3.7	3.4
-37.5°	5.6	5.3	5.0	4.7	4.4	4.1	4.0	4.0	3.9	3.6	3.3
-38.75°	5.5	5.2	4.9	4.6	4.3	4.0	4.0	4.0	3.8	3.5	3.2
-40°	5.3	5.0	4.7	4.4	4.2	4.0	4.0	4.0	3.8	3.5	3.1
-41.25°	5.2	4.9	4.6	4.3	4.0	4.0	4.0	4.0	3.7	3.4	3.0
-42.5°	5.0	4.8	4.5	4.2	4.0	4.0	4.0	3.9	3.6	3.3	2.8
-43.75°	4.9	4.6	4.4	4.1	4.0	4.0	4.0	3.8	3.5	3.2	2.7
-45°	4.8	4.5	4.2	4.0	4.0	4.0	4.0	3.7	3.4	3.1	2.5
-46.25°	4.6	4.4	4.1	4.0	4.0	4.0	3.8	3.6	3.3	2.9	2.3
-47.5°	4.5	4.2	4.0	4.0	4.0	4.0	3.7	3.5	3.2	2.7	2.2
-48.75°	4.3	4.1	4.0	4.0	4.0	3.9	3.6	3.4	3.0	2.5	2.0
-50°	4.2	4.0	4.0	4.0	4.0	3.8	3.5	3.3	2.8	2.3	1.8
-51.25°	4.0	4.0	4.0	4.0	3.9	3.6	3.4	3.1	2.6	2.1	1.7
-52.5°	4.0	4.0	4.0	4.0	3.7	3.5	3.3	2.9	2.4	2.0	1.6
-53.75°	4.0	4.0	4.0	3.8	3.6	3.4	3.1	2.7	2.2	1.8	1.6
-55°	4.0	4.0	3.9	3.7	3.5	3.3	2.9	2.4	2.0	1.6	1.6
-56.25°	4.0	4.0	3.8	3.5	3.3	3.1	2.6	2.2	1.8	1.6	1.6
-57.5°	4.0	3.8	3.6	3.4	3.2	2.8	2.4	2.0	1.6	1.6	1.6
-58.75°	3.8	3.6	3.4	3.3	2.9	2.5	2.1	1.7	1.6	1.6	1.6
-60°	3.7	3.5	3.3	3.0	2.6	2.3	1.9	1.6	1.6	1.6	1.6
-61.25°	3.5	3.3	3.1	2.7	2.3	2.0	1.6	1.6	1.6	1.6	1.6
-62.5°	3.3	3.1	2.7	2.4	2.1	1.7	1.6	1.6	1.6	1.6	1.6
-63.75°	3.1	2.7	2.4	2.1	1.8	1.6	1.6	1.6	1.6	1.6	1.5
-65°	2.7	2.4	2.1	1.8	1.6	1.6	1.6	1.6	1.6	1.5	1.4
-66.25°	2.3	2.1	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.3
-67.5°	2.0	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.2
-68.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.2	1.1
-70°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.2	1.1	1.0
-71.25°	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.2	1.1	1.0	0.9
-72.5°	1.6	1.6	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
-73.75°	1.6	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8
-75°	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.8	0.8
-76.25°	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.8
-77.5°	1.1	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-81.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
-83.75°	0.8	0.8	0.8	0.8	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



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°
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°	0.8	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
77.5°	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
76.25°	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2
75°	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2
73.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.2
71.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.4	0.3
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.3
68.75°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3
67.5°	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.3
66.25°	1.1	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.3
65°	1.2	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.3
63.75°	1.3	1.1	1.0	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.4
62.5°	1.4	1.2	1.0	0.9	0.8	0.8	0.8	0.8	0.7	0.6	0.4
61.25°	1.5	1.3	1.1	0.9	0.8	0.8	0.8	0.8	0.8	0.6	0.4
60°	1.6	1.4	1.2	1.0	0.8	0.8	0.8	0.8	0.8	0.6	0.4
58.75°	1.6	1.5	1.3	1.1	0.9	0.8	0.8	0.8	0.8	0.6	0.4
57.5°	1.6	1.5	1.3	1.1	0.9	0.8	0.8	0.8	0.8	0.6	0.4
56.25°	1.6	1.6	1.4	1.2	1.0	0.8	0.8	0.8	0.8	0.7	0.4
55°	1.6	1.6	1.5	1.3	1.0	0.8	0.8	0.8	0.8	0.7	0.5
53.75°	1.6	1.6	1.6	1.3	1.1	0.9	0.8	0.8	0.8	0.7	0.5
52.5°	1.6	1.6	1.6	1.4	1.1	0.9	0.8	0.8	0.8	0.7	0.5
51.25°	1.6	1.6	1.6	1.4	1.2	0.9	0.8	0.8	0.8	0.8	0.5
50°	1.6	1.6	1.6	1.5	1.3	1.0	0.8	0.8	0.8	0.8	0.5
48.75°	1.6	1.6	1.6	1.6	1.3	1.0	0.8	0.8	0.8	0.8	0.5
47.5°	1.6	1.6	1.6	1.6	1.4	1.1	0.8	0.8	0.8	0.8	0.5
46.25°	1.8	1.6	1.6	1.6	1.4	1.1	0.9	0.8	0.8	0.8	0.6
45°	1.9	1.6	1.6	1.6	1.5	1.2	0.9	0.8	0.8	0.8	0.6
43.75°	2.1	1.6	1.6	1.6	1.5	1.2	0.9	0.8	0.8	0.8	0.6
42.5°	2.2	1.7	1.6	1.6	1.6	1.3	1.0	0.8	0.8	0.8	0.6
41.25°	2.4	1.8	1.6	1.6	1.6	1.3	1.0	0.8	0.8	0.8	0.6
40°	2.5	1.9	1.6	1.6	1.6	1.3	1.0	0.8	0.8	0.8	0.6
38.75°	2.7	2.0	1.6	1.6	1.6	1.4	1.1	0.8	0.8	0.8	0.6
37.5°	2.8	2.2	1.6	1.6	1.6	1.4	1.1	0.8	0.8	0.8	0.6
36.25°	2.9	2.3	1.6	1.6	1.6	1.5	1.1	0.8	0.8	0.8	0.6
35°	3.0	2.4	1.7	1.6	1.6	1.5	1.2	0.8	0.8	0.8	0.7



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	3.2	2.5	1.8	1.6	1.6	1.5	1.2	0.9	0.8	0.8	0.7
32.5°	3.2	2.6	1.9	1.6	1.6	1.6	1.2	0.9	0.8	0.8	0.7
31.25°	3.3	2.7	2.0	1.6	1.6	1.6	1.3	0.9	0.8	0.8	0.7
30°	3.3	2.8	2.1	1.6	1.6	1.6	1.3	0.9	0.8	0.8	0.7
28.75°	3.4	2.9	2.2	1.6	1.6	1.6	1.3	1.0	0.8	0.8	0.7
27.5°	3.4	3.0	2.3	1.6	1.6	1.6	1.3	1.0	0.8	0.8	0.7
26.25°	3.5	3.1	2.4	1.6	1.6	1.6	1.4	1.0	0.8	0.8	0.7
25°	3.5	3.2	2.4	1.7	1.6	1.6	1.4	1.0	0.8	0.8	0.7
23.75°	3.6	3.2	2.5	1.8	1.6	1.6	1.4	1.0	0.8	0.8	0.7
22.5°	3.6	3.3	2.6	1.8	1.6	1.6	1.4	1.0	0.8	0.8	0.7
21.25°	3.7	3.3	2.6	1.9	1.6	1.6	1.4	1.1	0.8	0.8	0.7
20°	3.7	3.3	2.7	2.0	1.6	1.6	1.5	1.1	0.8	0.8	0.8
18.75°	3.7	3.4	2.8	2.0	1.6	1.6	1.5	1.1	0.8	0.8	0.8
17.5°	3.8	3.4	2.8	2.1	1.6	1.6	1.5	1.1	0.8	0.8	0.8
16.25°	3.8	3.4	2.9	2.1	1.6	1.6	1.5	1.1	0.8	0.8	0.8
15°	3.8	3.4	2.9	2.2	1.6	1.6	1.5	1.1	0.8	0.8	0.8
13.75°	3.9	3.5	3.0	2.2	1.6	1.6	1.5	1.1	0.8	0.8	0.8
12.5°	3.9	3.5	3.0	2.2	1.6	1.6	1.5	1.2	0.8	0.8	0.8
11.25°	3.9	3.5	3.0	2.3	1.6	1.6	1.6	1.2	0.8	0.8	0.8
10°	3.9	3.5	3.1	2.3	1.6	1.6	1.6	1.2	0.8	0.8	0.8
8.75°	3.9	3.5	3.1	2.3	1.6	1.6	1.6	1.2	0.8	0.8	0.8
7.5°	4.0	3.6	3.1	2.3	1.6	1.6	1.6	1.2	0.8	0.8	0.8
6.25°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
5°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
3.75°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
2.5°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
1.25°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
0°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-1.25°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-2.5°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-3.75°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-5°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-6.25°	4.0	3.6	3.2	2.4	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-7.5°	4.0	3.6	3.1	2.3	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-8.75°	3.9	3.5	3.1	2.3	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-10°	3.9	3.5	3.1	2.3	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-11.25°	3.9	3.5	3.0	2.3	1.6	1.6	1.6	1.2	0.8	0.8	0.8
-12.5°	3.9	3.5	3.0	2.2	1.6	1.6	1.5	1.2	0.8	0.8	0.8
-13.75°	3.9	3.5	3.0	2.2	1.6	1.6	1.5	1.1	0.8	0.8	0.8
-15°	3.8	3.4	2.9	2.2	1.6	1.6	1.5	1.1	0.8	0.8	0.8
-16.25°	3.8	3.4	2.9	2.1	1.6	1.6	1.5	1.1	0.8	0.8	0.8
-17.5°	3.8	3.4	2.8	2.1	1.6	1.6	1.5	1.1	0.8	0.8	0.8
-18.75°	3.7	3.4	2.8	2.0	1.6	1.6	1.5	1.1	0.8	0.8	0.8
-20°	3.7	3.3	2.7	2.0	1.6	1.6	1.5	1.1	0.8	0.8	0.8
-21.25°	3.7	3.3	2.6	1.9	1.6	1.6	1.4	1.1	0.8	0.8	0.7



REPORT NUMBER: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

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



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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°	0.8	0.8	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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
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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: P220378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-M-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)