

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: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

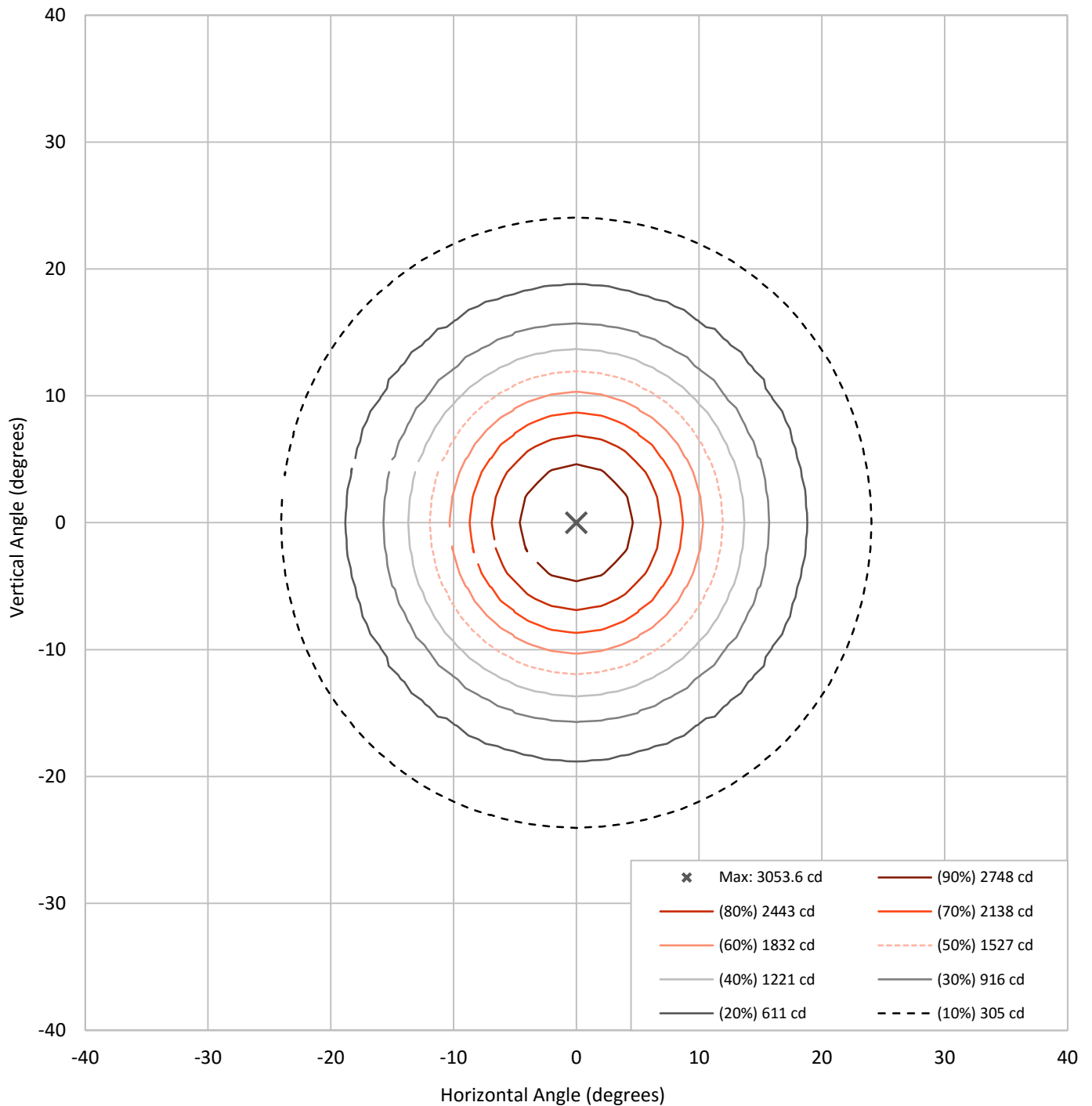
Test Method: LM-79-08  
Report Number: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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:	4H x 4V
Luminaire Lumens:	747.9 lumens	Max Intensity:	3053.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	76.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.9°H x 23.9°V	Field Angle (10%):	48.1°H x 48.1°V
Beam Lumens:	298.3 lumens	Field Lumens:	586.6 lumens
Beam Efficiency:	39.9%	Field Efficiency:	78.4%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





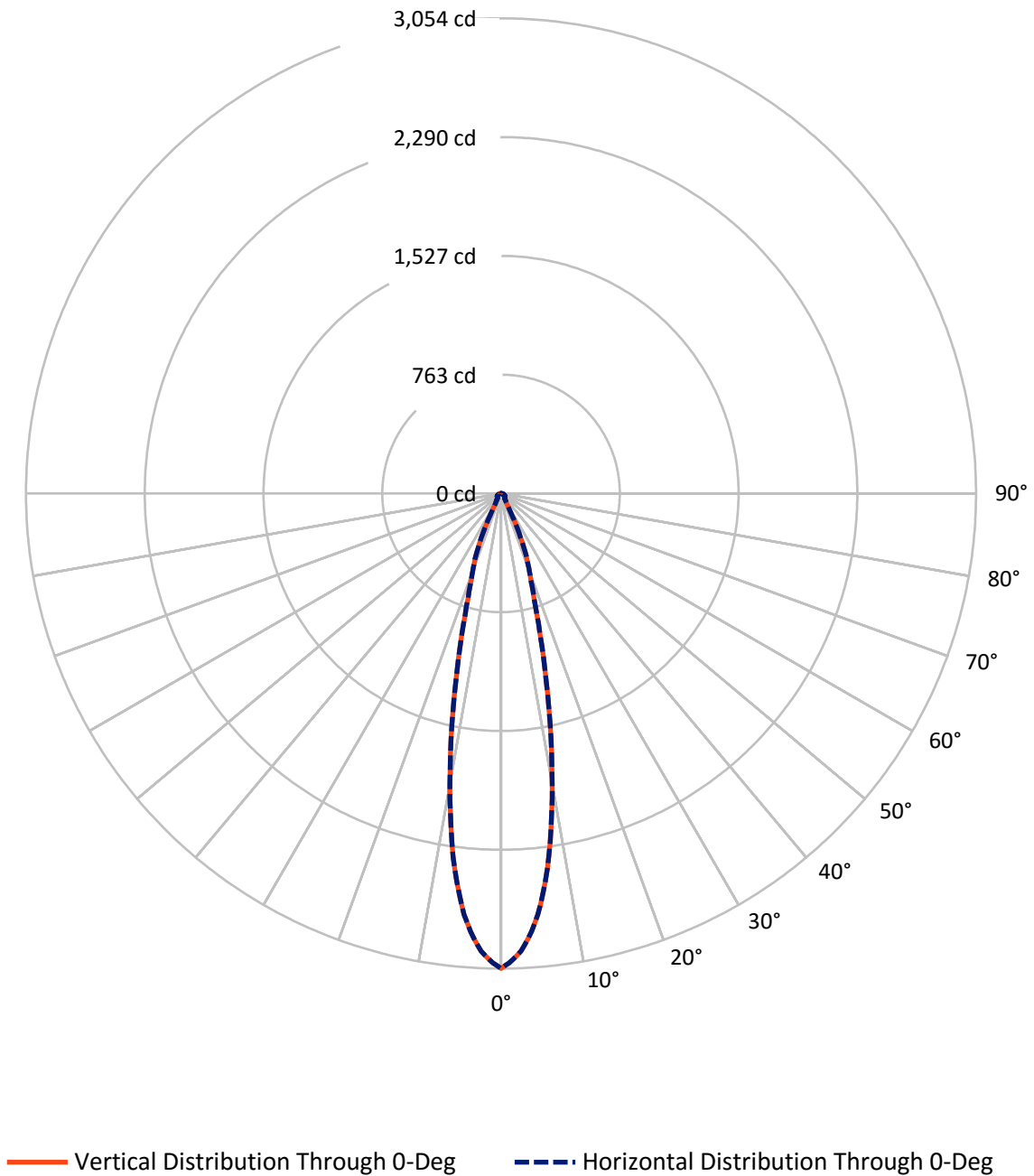
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### Lumen Table

90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0											
80	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0											
70	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1				
60		0.1	0.2	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.6	0.4	0.2	0.1					
50	0.1	0.2	0.3	0.6	0.8	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.6	0.3	0.2	0.1				
40		0.2	0.4	0.7	0.8	1.0	1.1	1.4	1.4	1.1	1.0	0.8	0.7	0.4	0.2					
30	0.2	0.2	0.5	0.7	0.9	1.3	3.3	7.1	7.1	3.3	1.3	0.9	0.7	0.5	0.2	0.2				
20		0.3	0.5	0.7	1.0	3.1	14.0	28.6	28.6	14.0	3.1	1.0	0.7	0.5	0.3					
10	0.2	0.3	0.5	0.7	1.1	6.5	27.8	68.7	68.7	27.8	6.5	1.1	0.7	0.5	0.3	0.2				
0		0.3	0.5	0.7	1.1	6.5	27.8	68.7	68.7	27.8	6.5	1.1	0.7	0.5	0.3					
-10	0.2	0.3	0.5	0.7	1.1	6.5	27.8	68.7	68.7	27.8	6.5	1.1	0.7	0.5	0.3	0.2				
-20		0.3	0.5	0.7	1.0	3.1	14.0	28.6	28.6	14.0	3.1	1.0	0.7	0.5	0.3					
-30	0.1	0.2	0.5	0.7	0.9	1.3	3.3	7.1	7.1	3.3	1.3	0.9	0.7	0.5	0.2	0.1				
-40		0.2	0.4	0.7	0.8	1.0	1.1	1.4	1.4	1.1	1.0	0.8	0.7	0.4	0.2					
-50	0.1	0.2	0.3	0.6	0.8	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.6	0.3	0.2	0.1				
-60		0.1	0.2	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.6	0.4	0.2	0.1					
-70	0.1	0.1	0.2	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.6	0.4	0.2	0.1	0.1				
-80		0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1					
-90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0											

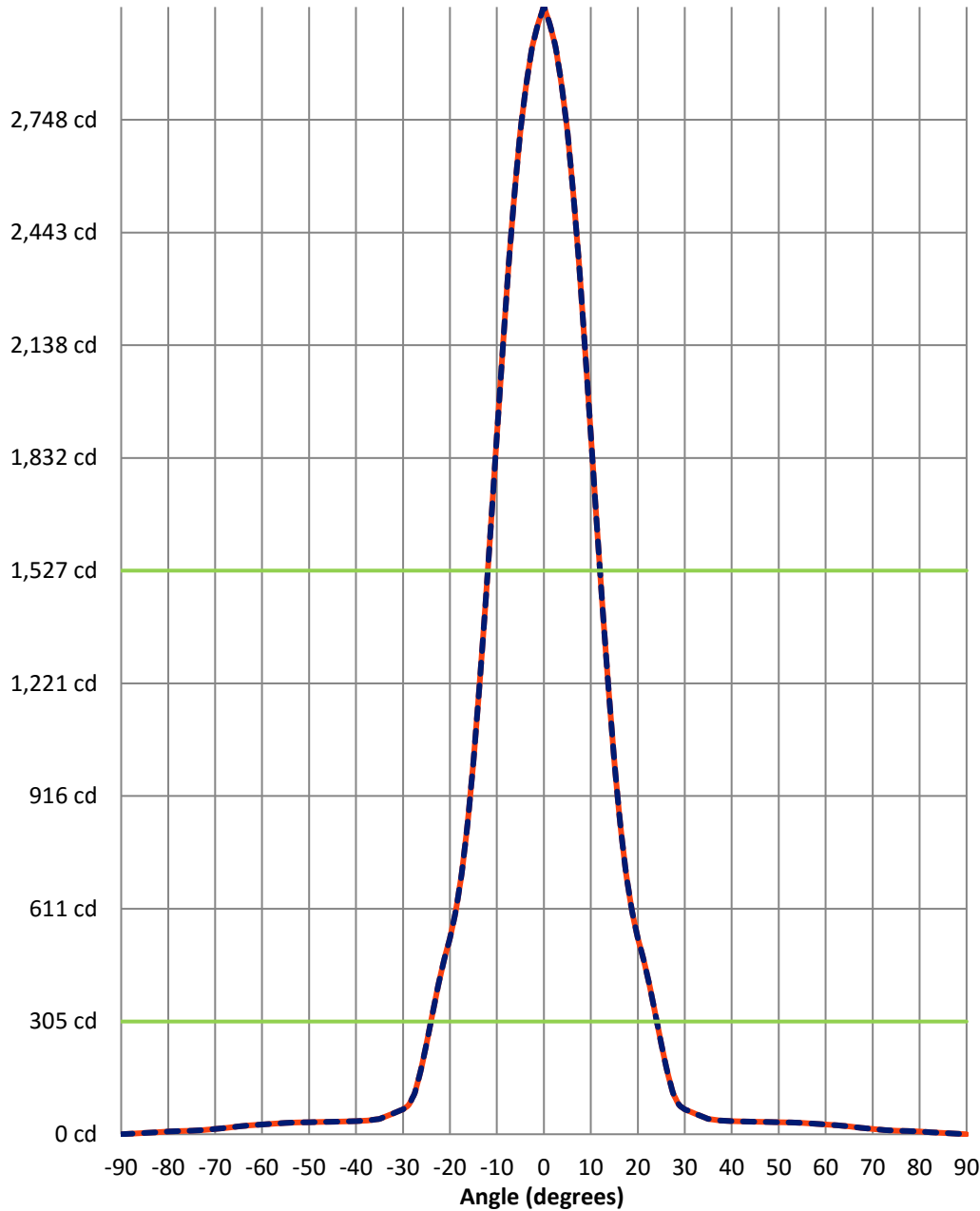
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.9°  
 V Angle: 23.9°  
 Lumens: 298.3  
 Efficiency: 39.9%

**Field:**  
 H Angle: 48.1°  
 V Angle: 48.1°  
 Lumens: 586.6  
 Efficiency: 78.4%

**Spill:**  
 Lumens: 161.2  
 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	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4
86.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6
85°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.7
83.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.9
82.5°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.1
81.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5
78.75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.6
77.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.6	1.8
76.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.2
73.75°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.2	2.4
72.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.3	2.6
71.25°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.8
70°	0.0	0.3	0.6	0.9	1.2	1.5	1.7	2.0	2.4	2.7	3.0
68.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.9	2.2	2.5	2.8	3.1
67.5°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	3.3
66.25°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.5
65°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	2.9	3.3	3.7
63.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.5	3.8
62.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
61.25°	0.0	0.4	0.8	1.2	1.6	2.1	2.5	2.9	3.3	3.8	4.2
60°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
58.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.2	3.6	4.0	4.5
57.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.3	3.7	4.2	4.6
56.25°	0.0	0.5	0.9	1.4	1.9	2.4	2.9	3.4	3.9	4.3	4.8
55°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	4.9
53.75°	0.0	0.5	1.0	1.5	2.0	2.6	3.1	3.6	4.1	4.6	5.1
52.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.3
51.25°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.9	5.5
50°	0.0	0.5	1.1	1.6	2.2	2.8	3.4	3.9	4.5	5.0	5.6
48.75°	0.0	0.6	1.1	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.8
47.5°	0.0	0.6	1.1	1.7	2.3	2.9	3.5	4.1	4.7	5.3	6.0
46.25°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.2
45°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.9	5.6	6.3
43.75°	0.0	0.6	1.2	1.8	2.5	3.1	3.8	4.4	5.0	5.7	6.5
42.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.1	5.9	6.7
41.25°	0.0	0.6	1.3	1.9	2.6	3.3	3.9	4.6	5.2	6.0	6.8
40°	0.0	0.7	1.3	2.0	2.7	3.3	4.0	4.7	5.3	6.2	7.0
38.75°	0.0	0.7	1.3	2.0	2.7	3.4	4.1	4.7	5.4	6.3	7.2
37.5°	0.0	0.7	1.3	2.0	2.8	3.5	4.1	4.8	5.6	6.4	7.3
36.25°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.7	6.6	7.4
35°	0.0	0.7	1.4	2.1	2.8	3.6	4.3	5.0	5.8	6.7	7.5



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	5.0	5.9	6.8	7.6
32.5°	0.0	0.7	1.4	2.2	2.9	3.7	4.4	5.1	6.0	6.9	7.7
31.25°	0.0	0.7	1.5	2.2	3.0	3.7	4.5	5.2	6.1	7.0	7.7
30°	0.0	0.7	1.5	2.2	3.0	3.8	4.5	5.3	6.2	7.2	7.8
28.75°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.3	6.3	7.3	7.9
27.5°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	5.4	6.4	7.4	8.0
26.25°	0.0	0.8	1.5	2.3	3.1	3.9	4.7	5.5	6.5	7.4	8.0
25°	0.0	0.8	1.5	2.3	3.2	4.0	4.7	5.6	6.6	7.5	8.1
23.75°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.6	7.5	8.1
22.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.7	7.6	8.2
21.25°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	5.8	6.8	7.6	8.3
20°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	5.8	6.9	7.7	8.3
18.75°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.9	6.9	7.7	8.3
17.5°	0.0	0.8	1.6	2.5	3.3	4.2	5.0	5.9	7.0	7.8	8.4
16.25°	0.0	0.8	1.6	2.5	3.4	4.2	5.0	6.0	7.0	7.8	8.4
15°	0.0	0.8	1.6	2.5	3.4	4.2	5.0	6.0	7.1	7.8	8.5
13.75°	0.0	0.8	1.7	2.5	3.4	4.2	5.1	6.1	7.1	7.9	8.5
12.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.1	6.1	7.2	7.9	8.5
11.25°	0.0	0.8	1.7	2.5	3.4	4.3	5.1	6.2	7.2	7.9	8.6
10°	0.0	0.8	1.7	2.6	3.4	4.3	5.1	6.2	7.3	8.0	8.6
8.75°	0.0	0.8	1.7	2.6	3.5	4.3	5.1	6.2	7.3	8.0	8.6
7.5°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.2	7.3	8.0	8.6
6.25°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.3	8.0	8.7
5°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.4	8.0	8.7
3.75°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.4	8.0	8.7
2.5°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.4	8.0	8.7
1.25°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.4	8.0	8.7
0°	0.0	0.8	1.7	2.6	3.5	4.4	5.2	6.3	7.4	8.1	8.7
-1.25°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.4	8.0	8.7
-2.5°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.4	8.0	8.7
-3.75°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.4	8.0	8.7
-5°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.4	8.0	8.7
-6.25°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.3	7.3	8.0	8.7
-7.5°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.2	7.3	8.0	8.6
-8.75°	0.0	0.8	1.7	2.6	3.5	4.3	5.1	6.2	7.3	8.0	8.6
-10°	0.0	0.8	1.7	2.6	3.4	4.3	5.1	6.2	7.3	8.0	8.6
-11.25°	0.0	0.8	1.7	2.5	3.4	4.3	5.1	6.2	7.2	7.9	8.6
-12.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.1	6.1	7.2	7.9	8.5
-13.75°	0.0	0.8	1.7	2.5	3.4	4.2	5.1	6.1	7.1	7.9	8.5
-15°	0.0	0.8	1.6	2.5	3.4	4.2	5.0	6.0	7.1	7.8	8.5
-16.25°	0.0	0.8	1.6	2.5	3.4	4.2	5.0	6.0	7.0	7.8	8.4
-17.5°	0.0	0.8	1.6	2.5	3.3	4.2	5.0	5.9	7.0	7.8	8.4
-18.75°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.9	6.9	7.7	8.3
-20°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	5.8	6.9	7.7	8.3
-21.25°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	5.8	6.8	7.6	8.3





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



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.6
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5
-81.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
-82.5°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.1
-83.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.9
-85°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.7
-86.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4
-88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	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: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
87.5°	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8
86.25°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
85°	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5
83.75°	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9
82.5°	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2	2.3
81.25°	1.4	1.5	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7
80°	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.1
78.75°	1.8	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1	3.3	3.5
77.5°	2.0	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.8
76.25°	2.2	2.4	2.6	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.2
75°	2.4	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6
73.75°	2.6	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5	4.7	4.9
72.5°	2.9	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.8	5.1	5.3
71.25°	3.1	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.5	5.8
70°	3.3	3.6	3.8	4.1	4.4	4.7	4.9	5.2	5.6	5.9	6.3
68.75°	3.5	3.8	4.1	4.4	4.6	4.9	5.2	5.6	6.0	6.4	6.7
67.5°	3.6	4.0	4.3	4.6	4.9	5.2	5.6	6.0	6.4	6.8	7.2
66.25°	3.8	4.2	4.5	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.5
65°	4.0	4.4	4.7	5.1	5.5	5.9	6.4	6.8	7.2	7.6	7.8
63.75°	4.2	4.6	4.9	5.3	5.8	6.3	6.7	7.2	7.5	7.8	8.1
62.5°	4.4	4.8	5.1	5.6	6.1	6.6	7.1	7.5	7.8	8.1	8.3
61.25°	4.6	5.0	5.4	5.9	6.4	6.9	7.4	7.7	8.0	8.3	8.6
60°	4.7	5.2	5.7	6.2	6.7	7.3	7.6	7.9	8.2	8.5	8.8
58.75°	4.9	5.4	5.9	6.5	7.0	7.5	7.8	8.2	8.5	8.8	8.9
57.5°	5.1	5.6	6.2	6.8	7.4	7.7	8.0	8.4	8.7	8.9	9.1
56.25°	5.3	5.9	6.5	7.1	7.5	7.9	8.2	8.6	8.8	9.0	9.3
55°	5.5	6.1	6.7	7.3	7.7	8.1	8.4	8.8	9.0	9.2	9.4
53.75°	5.7	6.3	7.0	7.5	7.9	8.3	8.6	8.9	9.1	9.3	9.6
52.5°	5.9	6.6	7.2	7.7	8.1	8.4	8.8	9.0	9.2	9.5	9.9
51.25°	6.1	6.8	7.4	7.8	8.2	8.6	8.9	9.1	9.4	9.7	10.3
50°	6.3	7.0	7.6	8.0	8.4	8.8	9.0	9.3	9.5	10.0	10.6
48.75°	6.5	7.2	7.7	8.1	8.6	8.9	9.1	9.4	9.8	10.3	10.9
47.5°	6.7	7.4	7.9	8.3	8.7	9.0	9.2	9.5	10.1	10.6	11.2
46.25°	6.9	7.6	8.0	8.4	8.8	9.1	9.3	9.7	10.3	10.9	11.7
45°	7.1	7.7	8.1	8.6	8.9	9.2	9.5	10.0	10.6	11.2	12.2
43.75°	7.3	7.8	8.3	8.7	9.0	9.3	9.6	10.3	10.9	11.6	12.7
42.5°	7.4	7.9	8.4	8.8	9.1	9.4	9.9	10.5	11.1	12.1	13.1
41.25°	7.6	8.0	8.5	8.9	9.2	9.5	10.1	10.7	11.5	12.5	13.6
40°	7.7	8.1	8.6	9.0	9.3	9.6	10.3	11.0	11.9	13.0	14.1
38.75°	7.8	8.3	8.7	9.0	9.3	9.8	10.5	11.2	12.3	13.4	14.5
37.5°	7.9	8.4	8.8	9.1	9.4	10.0	10.7	11.5	12.7	13.8	15.0
36.25°	7.9	8.5	8.9	9.2	9.5	10.2	10.9	11.9	13.0	14.2	15.4
35°	8.0	8.6	8.9	9.3	9.7	10.4	11.1	12.2	13.4	14.6	15.8



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	8.1	8.7	9.0	9.3	9.9	10.6	11.3	12.6	13.8	15.0	16.2
32.5°	8.2	8.7	9.1	9.4	10.0	10.8	11.7	12.9	14.1	15.4	16.6
31.25°	8.3	8.8	9.1	9.5	10.2	10.9	12.0	13.2	14.5	15.7	17.0
30°	8.4	8.8	9.2	9.6	10.3	11.1	12.3	13.5	14.8	16.1	17.3
28.75°	8.5	8.9	9.2	9.7	10.5	11.3	12.5	13.8	15.1	16.4	17.8
27.5°	8.5	8.9	9.3	9.8	10.6	11.5	12.8	14.1	15.4	16.7	18.2
26.25°	8.6	9.0	9.4	10.0	10.8	11.7	13.1	14.4	15.7	17.0	18.7
25°	8.7	9.0	9.4	10.1	10.9	12.0	13.3	14.7	16.0	17.3	19.1
23.75°	8.7	9.1	9.4	10.2	11.0	12.2	13.5	14.9	16.3	17.7	19.5
22.5°	8.8	9.1	9.5	10.3	11.1	12.4	13.8	15.1	16.5	18.1	19.8
21.25°	8.8	9.2	9.6	10.4	11.3	12.6	14.0	15.4	16.8	18.4	20.2
20°	8.8	9.2	9.7	10.5	11.4	12.8	14.2	15.6	17.0	18.7	20.5
18.75°	8.9	9.2	9.8	10.6	11.6	13.0	14.4	15.8	17.2	19.0	20.8
17.5°	8.9	9.3	9.8	10.7	11.7	13.1	14.6	16.0	17.4	19.3	21.1
16.25°	8.9	9.3	9.9	10.8	11.9	13.3	14.7	16.2	17.7	19.5	21.4
15°	8.9	9.3	10.0	10.9	12.0	13.4	14.9	16.3	17.9	19.8	21.5
13.75°	9.0	9.4	10.1	10.9	12.1	13.6	15.0	16.5	18.1	20.0	21.7
12.5°	9.0	9.4	10.1	11.0	12.2	13.7	15.2	16.6	18.3	20.2	21.9
11.25°	9.0	9.4	10.2	11.1	12.4	13.8	15.3	16.8	18.5	20.4	22.1
10°	9.0	9.4	10.2	11.1	12.4	13.9	15.4	16.9	18.7	20.6	22.2
8.75°	9.0	9.4	10.3	11.1	12.5	14.0	15.5	17.0	18.8	20.7	22.3
7.5°	9.1	9.5	10.3	11.2	12.6	14.1	15.6	17.1	18.9	20.8	22.4
6.25°	9.1	9.5	10.3	11.2	12.7	14.2	15.6	17.1	19.0	21.0	22.5
5°	9.1	9.5	10.4	11.3	12.7	14.2	15.7	17.2	19.1	21.0	22.6
3.75°	9.1	9.5	10.4	11.3	12.8	14.2	15.7	17.2	19.2	21.1	22.6
2.5°	9.1	9.5	10.4	11.3	12.8	14.3	15.8	17.3	19.2	21.2	22.7
1.25°	9.1	9.5	10.4	11.3	12.8	14.3	15.8	17.3	19.2	21.2	22.7
0°	9.1	9.5	10.4	11.3	12.8	14.3	15.8	17.3	19.3	21.2	22.7
-1.25°	9.1	9.5	10.4	11.3	12.8	14.3	15.8	17.3	19.2	21.2	22.7
-2.5°	9.1	9.5	10.4	11.3	12.8	14.3	15.8	17.3	19.2	21.2	22.7
-3.75°	9.1	9.5	10.4	11.3	12.8	14.2	15.7	17.2	19.2	21.1	22.6
-5°	9.1	9.5	10.4	11.3	12.7	14.2	15.7	17.2	19.1	21.0	22.6
-6.25°	9.1	9.5	10.3	11.2	12.7	14.2	15.6	17.1	19.0	21.0	22.5
-7.5°	9.1	9.5	10.3	11.2	12.6	14.1	15.6	17.1	18.9	20.8	22.4
-8.75°	9.0	9.4	10.3	11.1	12.5	14.0	15.5	17.0	18.8	20.7	22.3
-10°	9.0	9.4	10.2	11.1	12.4	13.9	15.4	16.9	18.7	20.6	22.2
-11.25°	9.0	9.4	10.2	11.1	12.4	13.8	15.3	16.8	18.5	20.4	22.1
-12.5°	9.0	9.4	10.1	11.0	12.2	13.7	15.2	16.6	18.3	20.2	21.9
-13.75°	9.0	9.4	10.1	10.9	12.1	13.6	15.0	16.5	18.1	20.0	21.7
-15°	8.9	9.3	10.0	10.9	12.0	13.4	14.9	16.3	17.9	19.8	21.5
-16.25°	8.9	9.3	9.9	10.8	11.9	13.3	14.7	16.2	17.7	19.5	21.4
-17.5°	8.9	9.3	9.8	10.7	11.7	13.1	14.6	16.0	17.4	19.3	21.1
-18.75°	8.9	9.2	9.8	10.6	11.6	13.0	14.4	15.8	17.2	19.0	20.8
-20°	8.8	9.2	9.7	10.5	11.4	12.8	14.2	15.6	17.0	18.7	20.5
-21.25°	8.8	9.2	9.6	10.4	11.3	12.6	14.0	15.4	16.8	18.4	20.2



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	8.8	9.1	9.5	10.3	11.1	12.4	13.8	15.1	16.5	18.1	19.8
-23.75°	8.7	9.1	9.4	10.2	11.0	12.2	13.5	14.9	16.3	17.7	19.5
-25°	8.7	9.0	9.4	10.1	10.9	12.0	13.3	14.7	16.0	17.3	19.1
-26.25°	8.6	9.0	9.4	10.0	10.8	11.7	13.1	14.4	15.7	17.0	18.7
-27.5°	8.5	8.9	9.3	9.8	10.6	11.5	12.8	14.1	15.4	16.7	18.2
-28.75°	8.5	8.9	9.2	9.7	10.5	11.3	12.5	13.8	15.1	16.4	17.8
-30°	8.4	8.8	9.2	9.6	10.3	11.1	12.3	13.5	14.8	16.1	17.3
-31.25°	8.3	8.8	9.1	9.5	10.2	10.9	12.0	13.2	14.5	15.7	17.0
-32.5°	8.2	8.7	9.1	9.4	10.0	10.8	11.7	12.9	14.1	15.4	16.6
-33.75°	8.1	8.7	9.0	9.3	9.9	10.6	11.3	12.6	13.8	15.0	16.2
-35°	8.0	8.6	8.9	9.3	9.7	10.4	11.1	12.2	13.4	14.6	15.8
-36.25°	7.9	8.5	8.9	9.2	9.5	10.2	10.9	11.9	13.0	14.2	15.4
-37.5°	7.9	8.4	8.8	9.1	9.4	10.0	10.7	11.5	12.7	13.8	15.0
-38.75°	7.8	8.3	8.7	9.0	9.3	9.8	10.5	11.2	12.3	13.4	14.5
-40°	7.7	8.1	8.6	9.0	9.3	9.6	10.3	11.0	11.9	13.0	14.1
-41.25°	7.6	8.0	8.5	8.9	9.2	9.5	10.1	10.7	11.5	12.5	13.6
-42.5°	7.4	7.9	8.4	8.8	9.1	9.4	9.9	10.5	11.1	12.1	13.1
-43.75°	7.3	7.8	8.3	8.7	9.0	9.3	9.6	10.3	10.9	11.6	12.7
-45°	7.1	7.7	8.1	8.6	8.9	9.2	9.5	10.0	10.6	11.2	12.2
-46.25°	6.9	7.6	8.0	8.4	8.8	9.1	9.3	9.7	10.3	10.9	11.7
-47.5°	6.7	7.4	7.9	8.3	8.7	9.0	9.2	9.5	10.1	10.6	11.2
-48.75°	6.5	7.2	7.7	8.1	8.6	8.9	9.1	9.4	9.8	10.3	10.9
-50°	6.3	7.0	7.6	8.0	8.4	8.8	9.0	9.3	9.5	10.0	10.6
-51.25°	6.1	6.8	7.4	7.8	8.2	8.6	8.9	9.1	9.4	9.7	10.3
-52.5°	5.9	6.6	7.2	7.7	8.1	8.4	8.8	9.0	9.2	9.5	9.9
-53.75°	5.7	6.3	7.0	7.5	7.9	8.3	8.6	8.9	9.1	9.3	9.6
-55°	5.5	6.1	6.7	7.3	7.7	8.1	8.4	8.8	9.0	9.2	9.4
-56.25°	5.3	5.9	6.5	7.1	7.5	7.9	8.2	8.6	8.8	9.0	9.3
-57.5°	5.1	5.6	6.2	6.8	7.4	7.7	8.0	8.4	8.7	8.9	9.1
-58.75°	4.9	5.4	5.9	6.5	7.0	7.5	7.8	8.2	8.5	8.8	8.9
-60°	4.7	5.2	5.7	6.2	6.7	7.3	7.6	7.9	8.2	8.5	8.8
-61.25°	4.6	5.0	5.4	5.9	6.4	6.9	7.4	7.7	8.0	8.3	8.6
-62.5°	4.4	4.8	5.1	5.6	6.1	6.6	7.1	7.5	7.8	8.1	8.3
-63.75°	4.2	4.6	4.9	5.3	5.8	6.3	6.7	7.2	7.5	7.8	8.1
-65°	4.0	4.4	4.7	5.1	5.5	5.9	6.4	6.8	7.2	7.6	7.8
-66.25°	3.8	4.2	4.5	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.5
-67.5°	3.6	4.0	4.3	4.6	4.9	5.2	5.6	6.0	6.4	6.8	7.2
-68.75°	3.5	3.8	4.1	4.4	4.6	4.9	5.2	5.6	6.0	6.4	6.7
-70°	3.3	3.6	3.8	4.1	4.4	4.7	4.9	5.2	5.6	5.9	6.3
-71.25°	3.1	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.5	5.8
-72.5°	2.9	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.8	5.1	5.3
-73.75°	2.6	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5	4.7	4.9
-75°	2.4	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6
-76.25°	2.2	2.4	2.6	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.2
-77.5°	2.0	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.8



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	1.8	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1	3.3	3.5
-80°	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.1
-81.25°	1.4	1.5	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7
-82.5°	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2	2.3
-83.75°	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9
-85°	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5
-86.25°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
-87.5°	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8
-88.75°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (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°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
86.25°	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6
85°	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2
83.75°	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8
82.5°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
81.25°	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
80°	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.3	4.5
78.75°	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0
77.5°	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.5	5.6
76.25°	4.4	4.6	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3
75°	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.3	6.6	6.8	7.0
73.75°	5.1	5.4	5.7	5.9	6.2	6.5	6.7	7.0	7.2	7.4	7.6
72.5°	5.6	5.9	6.2	6.5	6.8	7.1	7.3	7.5	7.7	7.8	8.0
71.25°	6.1	6.4	6.7	7.0	7.4	7.5	7.7	7.9	8.1	8.2	8.4
70°	6.6	6.9	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.6	8.8
68.75°	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.0
67.5°	7.5	7.7	7.9	8.2	8.4	8.6	8.8	8.9	9.0	9.1	9.3
66.25°	7.8	8.0	8.2	8.5	8.7	8.8	9.0	9.1	9.2	9.4	9.5
65°	8.1	8.3	8.5	8.8	8.9	9.0	9.2	9.3	9.5	9.7	10.0
63.75°	8.3	8.6	8.8	8.9	9.1	9.3	9.4	9.6	9.9	10.3	10.6
62.5°	8.6	8.8	9.0	9.1	9.3	9.5	9.8	10.1	10.5	10.8	11.1
61.25°	8.8	9.0	9.2	9.3	9.5	9.9	10.2	10.6	11.0	11.3	11.9
60°	9.0	9.2	9.3	9.5	9.9	10.3	10.7	11.1	11.6	12.2	12.8
58.75°	9.1	9.3	9.5	9.9	10.4	10.8	11.2	11.7	12.4	13.0	13.7
57.5°	9.3	9.5	9.9	10.4	10.8	11.2	11.8	12.5	13.2	13.9	14.5
56.25°	9.5	9.9	10.3	10.8	11.2	11.9	12.6	13.3	14.0	14.7	15.4
55°	9.8	10.2	10.7	11.2	11.8	12.6	13.3	14.1	14.8	15.5	16.3
53.75°	10.1	10.6	11.1	11.7	12.5	13.3	14.1	14.9	15.6	16.4	17.1
52.5°	10.5	11.0	11.6	12.4	13.2	14.0	14.8	15.6	16.4	17.2	18.1
51.25°	10.8	11.3	12.2	13.0	13.9	14.7	15.5	16.4	17.2	18.2	19.2
50°	11.1	11.9	12.8	13.7	14.5	15.4	16.3	17.1	18.1	19.2	20.3
48.75°	11.6	12.5	13.4	14.3	15.2	16.1	17.0	18.0	19.1	20.2	21.3
47.5°	12.1	13.1	14.0	14.9	15.8	16.8	17.8	18.9	20.1	21.2	22.1
46.25°	12.6	13.6	14.6	15.5	16.5	17.4	18.7	19.9	21.0	22.0	22.9
45°	13.2	14.2	15.1	16.1	17.1	18.3	19.5	20.8	21.8	22.7	23.6
43.75°	13.7	14.7	15.7	16.7	17.8	19.1	20.4	21.5	22.5	23.5	24.3
42.5°	14.2	15.2	16.3	17.3	18.6	19.9	21.2	22.2	23.2	24.2	24.9
41.25°	14.7	15.7	16.8	18.0	19.4	20.7	21.9	22.9	23.9	24.7	25.4
40°	15.2	16.2	17.3	18.7	20.1	21.4	22.5	23.5	24.5	25.2	26.0
38.75°	15.6	16.7	18.0	19.4	20.8	22.0	23.1	24.2	24.9	25.7	26.5
37.5°	16.1	17.2	18.7	20.1	21.5	22.6	23.7	24.6	25.4	26.2	27.0
36.25°	16.5	17.8	19.3	20.8	22.0	23.1	24.2	25.1	25.9	26.7	27.5
35°	17.0	18.4	19.9	21.4	22.5	23.7	24.7	25.5	26.3	27.1	28.0



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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°
33.75°	17.4	19.0	20.5	21.9	23.0	24.2	25.1	25.9	26.8	27.6	28.4
32.5°	18.0	19.5	21.1	22.3	23.5	24.6	25.5	26.3	27.2	28.0	28.9
31.25°	18.5	20.1	21.6	22.8	24.0	25.0	25.8	26.7	27.6	28.5	29.3
30°	19.0	20.6	22.0	23.2	24.4	25.3	26.2	27.1	28.0	28.9	29.7
28.75°	19.5	21.1	22.4	23.7	24.7	25.7	26.6	27.5	28.4	29.3	30.1
27.5°	19.9	21.5	22.8	24.1	25.0	26.0	26.9	27.8	28.8	29.6	30.5
26.25°	20.4	21.9	23.2	24.4	25.4	26.3	27.2	28.2	29.1	30.0	30.8
25°	20.8	22.2	23.5	24.7	25.6	26.6	27.6	28.5	29.4	30.3	31.0
23.75°	21.2	22.5	23.9	24.9	25.9	26.9	27.9	28.8	29.7	30.7	31.2
22.5°	21.5	22.9	24.2	25.2	26.2	27.2	28.2	29.1	30.0	30.9	31.4
21.25°	21.8	23.2	24.4	25.4	26.4	27.4	28.4	29.4	30.3	31.1	31.6
20°	22.1	23.4	24.7	25.7	26.7	27.7	28.7	29.7	30.6	31.2	31.8
18.75°	22.3	23.7	24.9	25.9	26.9	27.9	28.9	29.9	30.8	31.4	32.0
17.5°	22.6	24.0	25.1	26.1	27.1	28.2	29.2	30.1	31.0	31.6	32.1
16.25°	22.8	24.2	25.2	26.3	27.3	28.4	29.4	30.4	31.1	31.7	32.1
15°	23.0	24.4	25.4	26.5	27.5	28.6	29.6	30.6	31.2	31.8	32.2
13.75°	23.2	24.5	25.6	26.6	27.7	28.7	29.7	30.7	31.4	32.0	32.2
12.5°	23.4	24.6	25.7	26.8	27.8	28.9	29.9	30.8	31.5	32.0	32.3
11.25°	23.5	24.8	25.8	26.9	28.0	29.0	30.1	30.9	31.6	32.1	32.3
10°	23.7	24.9	26.0	27.0	28.1	29.2	30.2	31.0	31.7	32.1	32.4
8.75°	23.8	25.0	26.1	27.1	28.2	29.3	30.3	31.1	31.7	32.1	32.4
7.5°	23.9	25.1	26.2	27.2	28.3	29.4	30.4	31.2	31.8	32.2	32.4
6.25°	24.0	25.1	26.2	27.3	28.4	29.5	30.5	31.2	31.9	32.2	32.4
5°	24.1	25.2	26.3	27.4	28.5	29.5	30.6	31.3	31.9	32.2	32.5
3.75°	24.1	25.2	26.3	27.4	28.5	29.6	30.6	31.3	32.0	32.2	32.5
2.5°	24.2	25.3	26.4	27.5	28.6	29.6	30.7	31.3	32.0	32.2	32.5
1.25°	24.2	25.3	26.4	27.5	28.6	29.6	30.7	31.3	32.0	32.2	32.5
0°	24.2	25.3	26.4	27.5	28.6	29.7	30.7	31.4	32.0	32.3	32.5
-1.25°	24.2	25.3	26.4	27.5	28.6	29.6	30.7	31.3	32.0	32.2	32.5
-2.5°	24.2	25.3	26.4	27.5	28.6	29.6	30.7	31.3	32.0	32.2	32.5
-3.75°	24.1	25.2	26.3	27.4	28.5	29.6	30.6	31.3	32.0	32.2	32.5
-5°	24.1	25.2	26.3	27.4	28.5	29.5	30.6	31.3	31.9	32.2	32.5
-6.25°	24.0	25.1	26.2	27.3	28.4	29.5	30.5	31.2	31.9	32.2	32.4
-7.5°	23.9	25.1	26.2	27.2	28.3	29.4	30.4	31.2	31.8	32.2	32.4
-8.75°	23.8	25.0	26.1	27.1	28.2	29.3	30.3	31.1	31.7	32.1	32.4
-10°	23.7	24.9	26.0	27.0	28.1	29.2	30.2	31.0	31.7	32.1	32.4
-11.25°	23.5	24.8	25.8	26.9	28.0	29.0	30.1	30.9	31.6	32.1	32.3
-12.5°	23.4	24.6	25.7	26.8	27.8	28.9	29.9	30.8	31.5	32.0	32.3
-13.75°	23.2	24.5	25.6	26.6	27.7	28.7	29.7	30.7	31.4	32.0	32.2
-15°	23.0	24.4	25.4	26.5	27.5	28.6	29.6	30.6	31.2	31.8	32.2
-16.25°	22.8	24.2	25.2	26.3	27.3	28.4	29.4	30.4	31.1	31.7	32.1
-17.5°	22.6	24.0	25.1	26.1	27.1	28.2	29.2	30.1	31.0	31.6	32.1
-18.75°	22.3	23.7	24.9	25.9	26.9	27.9	28.9	29.9	30.8	31.4	32.0
-20°	22.1	23.4	24.7	25.7	26.7	27.7	28.7	29.7	30.6	31.2	31.8
-21.25°	21.8	23.2	24.4	25.4	26.4	27.4	28.4	29.4	30.3	31.1	31.6





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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°	21.5	22.9	24.2	25.2	26.2	27.2	28.2	29.1	30.0	30.9	31.4
-23.75°	21.2	22.5	23.9	24.9	25.9	26.9	27.9	28.8	29.7	30.7	31.2
-25°	20.8	22.2	23.5	24.7	25.6	26.6	27.6	28.5	29.4	30.3	31.0
-26.25°	20.4	21.9	23.2	24.4	25.4	26.3	27.2	28.2	29.1	30.0	30.8
-27.5°	19.9	21.5	22.8	24.1	25.0	26.0	26.9	27.8	28.8	29.6	30.5
-28.75°	19.5	21.1	22.4	23.7	24.7	25.7	26.6	27.5	28.4	29.3	30.1
-30°	19.0	20.6	22.0	23.2	24.4	25.3	26.2	27.1	28.0	28.9	29.7
-31.25°	18.5	20.1	21.6	22.8	24.0	25.0	25.8	26.7	27.6	28.5	29.3
-32.5°	18.0	19.5	21.1	22.3	23.5	24.6	25.5	26.3	27.2	28.0	28.9
-33.75°	17.4	19.0	20.5	21.9	23.0	24.2	25.1	25.9	26.8	27.6	28.4
-35°	17.0	18.4	19.9	21.4	22.5	23.7	24.7	25.5	26.3	27.1	28.0
-36.25°	16.5	17.8	19.3	20.8	22.0	23.1	24.2	25.1	25.9	26.7	27.5
-37.5°	16.1	17.2	18.7	20.1	21.5	22.6	23.7	24.6	25.4	26.2	27.0
-38.75°	15.6	16.7	18.0	19.4	20.8	22.0	23.1	24.2	24.9	25.7	26.5
-40°	15.2	16.2	17.3	18.7	20.1	21.4	22.5	23.5	24.5	25.2	26.0
-41.25°	14.7	15.7	16.8	18.0	19.4	20.7	21.9	22.9	23.9	24.7	25.4
-42.5°	14.2	15.2	16.3	17.3	18.6	19.9	21.2	22.2	23.2	24.2	24.9
-43.75°	13.7	14.7	15.7	16.7	17.8	19.1	20.4	21.5	22.5	23.5	24.3
-45°	13.2	14.2	15.1	16.1	17.1	18.3	19.5	20.8	21.8	22.7	23.6
-46.25°	12.6	13.6	14.6	15.5	16.5	17.4	18.7	19.9	21.0	22.0	22.9
-47.5°	12.1	13.1	14.0	14.9	15.8	16.8	17.8	18.9	20.1	21.2	22.1
-48.75°	11.6	12.5	13.4	14.3	15.2	16.1	17.0	18.0	19.1	20.2	21.3
-50°	11.1	11.9	12.8	13.7	14.5	15.4	16.3	17.1	18.1	19.2	20.3
-51.25°	10.8	11.3	12.2	13.0	13.9	14.7	15.5	16.4	17.2	18.2	19.2
-52.5°	10.5	11.0	11.6	12.4	13.2	14.0	14.8	15.6	16.4	17.2	18.1
-53.75°	10.1	10.6	11.1	11.7	12.5	13.3	14.1	14.9	15.6	16.4	17.1
-55°	9.8	10.2	10.7	11.2	11.8	12.6	13.3	14.1	14.8	15.5	16.3
-56.25°	9.5	9.9	10.3	10.8	11.2	11.9	12.6	13.3	14.0	14.7	15.4
-57.5°	9.3	9.5	9.9	10.4	10.8	11.2	11.8	12.5	13.2	13.9	14.5
-58.75°	9.1	9.3	9.5	9.9	10.4	10.8	11.2	11.7	12.4	13.0	13.7
-60°	9.0	9.2	9.3	9.5	9.9	10.3	10.7	11.1	11.6	12.2	12.8
-61.25°	8.8	9.0	9.2	9.3	9.5	9.9	10.2	10.6	11.0	11.3	11.9
-62.5°	8.6	8.8	9.0	9.1	9.3	9.5	9.8	10.1	10.5	10.8	11.1
-63.75°	8.3	8.6	8.8	8.9	9.1	9.3	9.4	9.6	9.9	10.3	10.6
-65°	8.1	8.3	8.5	8.8	8.9	9.0	9.2	9.3	9.5	9.7	10.0
-66.25°	7.8	8.0	8.2	8.5	8.7	8.8	9.0	9.1	9.2	9.4	9.5
-67.5°	7.5	7.7	7.9	8.2	8.4	8.6	8.8	8.9	9.0	9.1	9.3
-68.75°	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.0
-70°	6.6	6.9	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.6	8.8
-71.25°	6.1	6.4	6.7	7.0	7.4	7.5	7.7	7.9	8.1	8.2	8.4
-72.5°	5.6	5.9	6.2	6.5	6.8	7.1	7.3	7.5	7.7	7.8	8.0
-73.75°	5.1	5.4	5.7	5.9	6.2	6.5	6.7	7.0	7.2	7.4	7.6
-75°	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.3	6.6	6.8	7.0
-76.25°	4.4	4.6	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3
-77.5°	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.5	5.6



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0
-80°	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.3	4.5
-81.25°	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
-82.5°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
-83.75°	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8
-85°	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2
-86.25°	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6
-87.5°	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
-88.75°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
87.5°	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4
86.25°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
85°	2.3	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8
83.75°	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5
82.5°	3.5	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2
81.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9
80°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.6	5.7
78.75°	5.1	5.3	5.4	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.6
77.5°	5.8	6.0	6.2	6.3	6.5	6.7	6.8	7.0	7.2	7.3	7.4
76.25°	6.5	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9	7.9
75°	7.2	7.4	7.6	7.7	7.8	7.9	8.0	8.1	8.3	8.4	8.5
73.75°	7.7	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.9
72.5°	8.1	8.3	8.4	8.6	8.7	8.8	8.9	9.0	9.0	9.1	9.2
71.25°	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.4	9.5
70°	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.8	10.0	10.2
68.75°	9.1	9.2	9.3	9.5	9.6	9.9	10.1	10.3	10.5	10.7	10.9
67.5°	9.4	9.5	9.7	10.0	10.3	10.5	10.7	11.0	11.2	11.5	11.9
66.25°	9.8	10.1	10.3	10.6	10.9	11.1	11.5	11.9	12.3	12.7	13.0
65°	10.3	10.6	10.9	11.2	11.6	12.1	12.5	13.0	13.4	13.8	14.2
63.75°	10.9	11.2	11.7	12.2	12.7	13.1	13.6	14.1	14.5	15.0	15.4
62.5°	11.6	12.1	12.6	13.2	13.7	14.2	14.7	15.2	15.6	16.1	16.5
61.25°	12.5	13.1	13.6	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.8
60°	13.4	14.0	14.6	15.1	15.7	16.3	16.8	17.3	18.0	18.7	19.3
58.75°	14.3	14.9	15.5	16.1	16.7	17.3	18.0	18.7	19.4	20.1	20.8
57.5°	15.2	15.8	16.5	17.1	17.8	18.6	19.4	20.1	20.8	21.5	22.0
56.25°	16.1	16.8	17.4	18.3	19.1	19.9	20.7	21.4	22.0	22.6	23.1
55°	17.0	17.8	18.7	19.5	20.4	21.2	21.9	22.5	23.1	23.7	24.2
53.75°	18.0	18.9	19.9	20.8	21.5	22.2	22.9	23.5	24.2	24.6	25.1
52.5°	19.1	20.1	21.0	21.8	22.5	23.2	23.9	24.5	24.9	25.4	25.9
51.25°	20.2	21.2	22.0	22.7	23.5	24.2	24.7	25.2	25.7	26.2	26.7
50°	21.3	22.1	22.9	23.6	24.3	24.9	25.4	26.0	26.5	27.0	27.5
48.75°	22.1	22.9	23.8	24.5	25.0	25.6	26.2	26.7	27.2	27.8	28.3
47.5°	22.9	23.8	24.5	25.1	25.7	26.3	26.9	27.4	28.0	28.5	29.0
46.25°	23.8	24.5	25.1	25.8	26.4	27.0	27.6	28.1	28.7	29.2	29.8
45°	24.5	25.1	25.8	26.4	27.0	27.7	28.3	28.9	29.4	30.0	30.5
43.75°	25.0	25.7	26.4	27.0	27.7	28.3	28.9	29.5	30.1	30.7	31.0
42.5°	25.6	26.3	27.0	27.7	28.3	29.0	29.6	30.2	30.8	31.1	31.5
41.25°	26.2	26.9	27.6	28.3	28.9	29.6	30.2	30.8	31.2	31.5	31.9
40°	26.7	27.4	28.1	28.9	29.5	30.2	30.8	31.2	31.6	32.0	32.1
38.75°	27.2	28.0	28.7	29.4	30.1	30.8	31.2	31.6	32.0	32.1	32.3
37.5°	27.8	28.5	29.2	30.0	30.7	31.1	31.5	32.0	32.1	32.3	32.5
36.25°	28.3	29.0	29.8	30.5	31.0	31.5	31.9	32.1	32.3	32.5	32.7
35°	28.8	29.5	30.3	30.9	31.4	31.8	32.1	32.3	32.4	32.7	32.9



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	29.2	30.0	30.8	31.2	31.7	32.1	32.2	32.4	32.6	32.9	33.2
32.5°	29.7	30.5	31.1	31.5	32.0	32.2	32.4	32.6	32.9	33.1	33.4
31.25°	30.1	30.8	31.3	31.8	32.1	32.3	32.5	32.8	33.1	33.3	33.5
30°	30.5	31.1	31.6	32.1	32.2	32.4	32.7	33.0	33.3	33.5	33.7
28.75°	30.9	31.4	31.9	32.2	32.4	32.6	32.9	33.2	33.4	33.6	33.8
27.5°	31.1	31.6	32.1	32.3	32.5	32.8	33.1	33.4	33.6	33.7	34.0
26.25°	31.4	31.9	32.2	32.4	32.6	32.9	33.3	33.5	33.7	33.9	34.2
25°	31.6	32.1	32.3	32.5	32.8	33.1	33.4	33.6	33.8	34.1	34.4
23.75°	31.8	32.1	32.4	32.6	32.9	33.3	33.5	33.7	34.0	34.3	34.6
22.5°	32.0	32.2	32.4	32.8	33.1	33.4	33.6	33.8	34.2	34.5	34.8
21.25°	32.1	32.3	32.5	32.9	33.2	33.5	33.7	34.0	34.3	34.7	35.0
20°	32.2	32.4	32.7	33.0	33.3	33.6	33.8	34.1	34.5	34.9	35.2
18.75°	32.2	32.5	32.8	33.2	33.4	33.7	33.9	34.3	34.6	35.0	35.4
17.5°	32.3	32.5	32.9	33.3	33.5	33.7	34.1	34.4	34.8	35.2	35.7
16.25°	32.4	32.6	33.0	33.4	33.6	33.8	34.2	34.6	35.0	35.4	36.0
15°	32.4	32.7	33.1	33.4	33.6	33.9	34.3	34.7	35.1	35.5	36.3
13.75°	32.5	32.8	33.2	33.5	33.7	34.0	34.4	34.8	35.2	35.8	36.6
12.5°	32.5	32.9	33.3	33.5	33.8	34.1	34.5	34.9	35.4	36.0	36.8
11.25°	32.6	33.0	33.3	33.6	33.8	34.2	34.6	35.0	35.5	36.2	37.0
10°	32.7	33.0	33.4	33.6	33.9	34.3	34.7	35.1	35.6	36.4	37.3
8.75°	32.7	33.1	33.4	33.7	34.0	34.4	34.8	35.2	35.8	36.6	37.8
7.5°	32.8	33.2	33.5	33.7	34.0	34.4	34.8	35.3	35.9	36.8	38.2
6.25°	32.8	33.2	33.5	33.7	34.1	34.5	34.9	35.4	36.1	36.9	38.6
5°	32.8	33.2	33.5	33.8	34.1	34.5	35.0	35.4	36.2	37.0	38.8
3.75°	32.9	33.3	33.5	33.8	34.2	34.6	35.0	35.4	36.2	37.1	39.1
2.5°	32.9	33.3	33.5	33.8	34.2	34.6	35.0	35.5	36.3	37.2	39.2
1.25°	32.9	33.3	33.5	33.8	34.2	34.6	35.0	35.5	36.3	37.2	39.3
0°	32.9	33.3	33.6	33.8	34.2	34.6	35.1	35.5	36.4	37.2	39.4
-1.25°	32.9	33.3	33.5	33.8	34.2	34.6	35.0	35.5	36.3	37.2	39.3
-2.5°	32.9	33.3	33.5	33.8	34.2	34.6	35.0	35.5	36.3	37.2	39.2
-3.75°	32.9	33.3	33.5	33.8	34.2	34.6	35.0	35.4	36.2	37.1	39.1
-5°	32.8	33.2	33.5	33.8	34.1	34.5	35.0	35.4	36.2	37.0	38.8
-6.25°	32.8	33.2	33.5	33.7	34.1	34.5	34.9	35.4	36.1	36.9	38.6
-7.5°	32.8	33.2	33.5	33.7	34.0	34.4	34.8	35.3	35.9	36.8	38.2
-8.75°	32.7	33.1	33.4	33.7	34.0	34.4	34.8	35.2	35.8	36.6	37.8
-10°	32.7	33.0	33.4	33.6	33.9	34.3	34.7	35.1	35.6	36.4	37.3
-11.25°	32.6	33.0	33.3	33.6	33.8	34.2	34.6	35.0	35.5	36.2	37.0
-12.5°	32.5	32.9	33.3	33.5	33.8	34.1	34.5	34.9	35.4	36.0	36.8
-13.75°	32.5	32.8	33.2	33.5	33.7	34.0	34.4	34.8	35.2	35.8	36.6
-15°	32.4	32.7	33.1	33.4	33.6	33.9	34.3	34.7	35.1	35.5	36.3
-16.25°	32.4	32.6	33.0	33.4	33.6	33.8	34.2	34.6	35.0	35.4	36.0
-17.5°	32.3	32.5	32.9	33.3	33.5	33.7	34.1	34.4	34.8	35.2	35.7
-18.75°	32.2	32.5	32.8	33.2	33.4	33.7	33.9	34.3	34.6	35.0	35.4
-20°	32.2	32.4	32.7	33.0	33.3	33.6	33.8	34.1	34.5	34.9	35.2
-21.25°	32.1	32.3	32.5	32.9	33.2	33.5	33.7	34.0	34.3	34.7	35.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°
-22.5°	32.0	32.2	32.4	32.8	33.1	33.4	33.6	33.8	34.2	34.5	34.8
-23.75°	31.8	32.1	32.4	32.6	32.9	33.3	33.5	33.7	34.0	34.3	34.6
-25°	31.6	32.1	32.3	32.5	32.8	33.1	33.4	33.6	33.8	34.1	34.4
-26.25°	31.4	31.9	32.2	32.4	32.6	32.9	33.3	33.5	33.7	33.9	34.2
-27.5°	31.1	31.6	32.1	32.3	32.5	32.8	33.1	33.4	33.6	33.7	34.0
-28.75°	30.9	31.4	31.9	32.2	32.4	32.6	32.9	33.2	33.4	33.6	33.8
-30°	30.5	31.1	31.6	32.1	32.2	32.4	32.7	33.0	33.3	33.5	33.7
-31.25°	30.1	30.8	31.3	31.8	32.1	32.3	32.5	32.8	33.1	33.3	33.5
-32.5°	29.7	30.5	31.1	31.5	32.0	32.2	32.4	32.6	32.9	33.1	33.4
-33.75°	29.2	30.0	30.8	31.2	31.7	32.1	32.2	32.4	32.6	32.9	33.2
-35°	28.8	29.5	30.3	30.9	31.4	31.8	32.1	32.3	32.4	32.7	32.9
-36.25°	28.3	29.0	29.8	30.5	31.0	31.5	31.9	32.1	32.3	32.5	32.7
-37.5°	27.8	28.5	29.2	30.0	30.7	31.1	31.5	32.0	32.1	32.3	32.5
-38.75°	27.2	28.0	28.7	29.4	30.1	30.8	31.2	31.6	32.0	32.1	32.3
-40°	26.7	27.4	28.1	28.9	29.5	30.2	30.8	31.2	31.6	32.0	32.1
-41.25°	26.2	26.9	27.6	28.3	28.9	29.6	30.2	30.8	31.2	31.5	31.9
-42.5°	25.6	26.3	27.0	27.7	28.3	29.0	29.6	30.2	30.8	31.1	31.5
-43.75°	25.0	25.7	26.4	27.0	27.7	28.3	28.9	29.5	30.1	30.7	31.0
-45°	24.5	25.1	25.8	26.4	27.0	27.7	28.3	28.9	29.4	30.0	30.5
-46.25°	23.8	24.5	25.1	25.8	26.4	27.0	27.6	28.1	28.7	29.2	29.8
-47.5°	22.9	23.8	24.5	25.1	25.7	26.3	26.9	27.4	28.0	28.5	29.0
-48.75°	22.1	22.9	23.8	24.5	25.0	25.6	26.2	26.7	27.2	27.8	28.3
-50°	21.3	22.1	22.9	23.6	24.3	24.9	25.4	26.0	26.5	27.0	27.5
-51.25°	20.2	21.2	22.0	22.7	23.5	24.2	24.7	25.2	25.7	26.2	26.7
-52.5°	19.1	20.1	21.0	21.8	22.5	23.2	23.9	24.5	24.9	25.4	25.9
-53.75°	18.0	18.9	19.9	20.8	21.5	22.2	22.9	23.5	24.2	24.6	25.1
-55°	17.0	17.8	18.7	19.5	20.4	21.2	21.9	22.5	23.1	23.7	24.2
-56.25°	16.1	16.8	17.4	18.3	19.1	19.9	20.7	21.4	22.0	22.6	23.1
-57.5°	15.2	15.8	16.5	17.1	17.8	18.6	19.4	20.1	20.8	21.5	22.0
-58.75°	14.3	14.9	15.5	16.1	16.7	17.3	18.0	18.7	19.4	20.1	20.8
-60°	13.4	14.0	14.6	15.1	15.7	16.3	16.8	17.3	18.0	18.7	19.3
-61.25°	12.5	13.1	13.6	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.8
-62.5°	11.6	12.1	12.6	13.2	13.7	14.2	14.7	15.2	15.6	16.1	16.5
-63.75°	10.9	11.2	11.7	12.2	12.7	13.1	13.6	14.1	14.5	15.0	15.4
-65°	10.3	10.6	10.9	11.2	11.6	12.1	12.5	13.0	13.4	13.8	14.2
-66.25°	9.8	10.1	10.3	10.6	10.9	11.1	11.5	11.9	12.3	12.7	13.0
-67.5°	9.4	9.5	9.7	10.0	10.3	10.5	10.7	11.0	11.2	11.5	11.9
-68.75°	9.1	9.2	9.3	9.5	9.6	9.9	10.1	10.3	10.5	10.7	10.9
-70°	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.8	10.0	10.2
-71.25°	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.4	9.5
-72.5°	8.1	8.3	8.4	8.6	8.7	8.8	8.9	9.0	9.0	9.1	9.2
-73.75°	7.7	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.9
-75°	7.2	7.4	7.6	7.7	7.8	7.9	8.0	8.1	8.3	8.4	8.5
-76.25°	6.5	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9	7.9
-77.5°	5.8	6.0	6.2	6.3	6.5	6.7	6.8	7.0	7.2	7.3	7.4



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	5.1	5.3	5.4	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.6
-80°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.6	5.7
-81.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9
-82.5°	3.5	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2
-83.75°	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5
-85°	2.3	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8
-86.25°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
-87.5°	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
87.5°	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
86.25°	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4
85°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
83.75°	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0
82.5°	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8
81.25°	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.6	5.7
80°	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7
78.75°	6.7	6.8	6.9	7.0	7.2	7.3	7.4	7.4	7.5	7.5	7.6
77.5°	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.0	8.1	8.1	8.2
76.25°	8.0	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.7	8.8
75°	8.6	8.7	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1
73.75°	8.9	9.0	9.1	9.1	9.2	9.2	9.3	9.4	9.4	9.4	9.5
72.5°	9.3	9.3	9.4	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
71.25°	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.0	11.1
70°	10.4	10.6	10.8	10.9	11.1	11.3	11.5	11.7	12.0	12.2	12.4
68.75°	11.1	11.3	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.5	13.8
67.5°	12.2	12.6	12.9	13.2	13.5	13.8	14.1	14.4	14.7	14.9	15.1
66.25°	13.4	13.8	14.1	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.5
65°	14.6	15.0	15.4	15.7	16.1	16.4	16.7	17.0	17.3	17.7	18.1
63.75°	15.8	16.2	16.6	17.0	17.3	17.8	18.2	18.7	19.1	19.5	19.8
62.5°	17.0	17.4	18.0	18.5	19.0	19.5	19.9	20.4	20.8	21.2	21.5
61.25°	18.4	19.0	19.5	20.1	20.6	21.1	21.5	21.9	22.2	22.5	22.9
60°	19.9	20.5	21.1	21.6	22.0	22.4	22.8	23.2	23.5	23.9	24.2
58.75°	21.4	21.9	22.3	22.8	23.2	23.7	24.1	24.4	24.7	24.9	25.2
57.5°	22.5	23.0	23.5	24.0	24.4	24.7	25.0	25.4	25.6	25.9	26.2
56.25°	23.7	24.2	24.6	25.0	25.3	25.7	26.0	26.3	26.6	26.9	27.2
55°	24.7	25.1	25.5	25.8	26.2	26.6	26.9	27.2	27.6	27.9	28.2
53.75°	25.5	25.9	26.3	26.7	27.1	27.5	27.8	28.2	28.5	28.8	29.1
52.5°	26.3	26.8	27.2	27.6	28.0	28.4	28.8	29.1	29.4	29.7	30.0
51.25°	27.1	27.6	28.0	28.5	28.9	29.3	29.6	30.0	30.3	30.7	30.9
50°	28.0	28.4	28.9	29.3	29.7	30.1	30.5	30.8	31.0	31.2	31.4
48.75°	28.8	29.2	29.7	30.1	30.5	30.9	31.1	31.4	31.6	31.8	32.0
47.5°	29.5	30.0	30.5	30.8	31.1	31.4	31.6	31.9	32.1	32.1	32.2
46.25°	30.3	30.8	31.1	31.3	31.6	31.9	32.1	32.2	32.3	32.4	32.4
45°	30.9	31.2	31.5	31.8	32.1	32.2	32.3	32.4	32.5	32.6	32.8
43.75°	31.4	31.7	32.0	32.1	32.2	32.4	32.5	32.6	32.8	32.9	33.1
42.5°	31.8	32.1	32.2	32.3	32.4	32.6	32.8	32.9	33.1	33.3	33.4
41.25°	32.1	32.2	32.4	32.5	32.7	32.9	33.1	33.3	33.4	33.5	33.6
40°	32.3	32.4	32.6	32.8	33.0	33.2	33.4	33.5	33.6	33.7	33.8
38.75°	32.4	32.6	32.9	33.1	33.3	33.4	33.6	33.7	33.8	34.0	34.2
37.5°	32.7	32.9	33.1	33.3	33.5	33.6	33.7	33.9	34.1	34.3	34.5
36.25°	32.9	33.2	33.4	33.5	33.7	33.8	34.0	34.2	34.4	34.6	34.8
35°	33.2	33.4	33.5	33.7	33.9	34.1	34.3	34.5	34.8	35.0	35.2



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°
33.75°	33.4	33.5	33.7	33.9	34.1	34.4	34.6	34.9	35.1	35.3	35.6
32.5°	33.5	33.7	33.9	34.2	34.4	34.7	34.9	35.2	35.4	35.9	36.3
31.25°	33.7	33.9	34.2	34.4	34.7	35.0	35.3	35.5	36.0	36.5	37.0
30°	33.9	34.1	34.4	34.7	35.0	35.3	35.6	36.2	36.7	37.2	38.3
28.75°	34.1	34.4	34.7	35.0	35.3	35.7	36.2	36.8	37.4	38.7	39.9
27.5°	34.3	34.6	34.9	35.3	35.6	36.2	36.8	37.6	38.9	40.3	41.7
26.25°	34.5	34.9	35.2	35.5	36.2	36.8	37.6	39.0	40.4	42.4	46.3
25°	34.8	35.1	35.4	36.0	36.7	37.4	38.9	40.4	42.6	46.8	50.9
23.75°	35.0	35.3	35.9	36.5	37.2	38.7	40.3	42.4	46.8	51.1	55.4
22.5°	35.2	35.6	36.3	37.0	38.3	39.9	41.7	46.3	50.9	55.4	60.0
21.25°	35.4	36.0	36.7	37.8	39.5	41.2	45.3	50.1	54.8	59.7	64.5
20°	35.7	36.4	37.1	38.8	40.6	43.9	48.9	53.8	58.9	63.9	69.2
18.75°	36.1	36.8	38.1	39.9	42.0	47.1	52.3	57.5	62.8	68.1	74.9
17.5°	36.4	37.2	39.0	40.8	44.9	50.2	55.6	61.1	66.5	73.0	88.2
16.25°	36.8	38.0	39.9	42.3	47.8	53.2	58.8	64.5	70.7	83.1	111.3
15°	37.1	38.8	40.7	44.9	50.4	56.1	61.9	67.7	76.1	97.7	139.9
13.75°	37.6	39.5	41.5	47.3	52.9	58.9	64.8	71.6	86.6	121.4	173.6
12.5°	38.2	40.2	43.6	49.5	55.3	61.4	67.5	76.5	101.1	148.0	208.9
11.25°	38.8	40.9	45.6	51.5	57.6	63.8	70.6	85.1	120.5	175.8	243.0
10°	39.4	41.4	47.3	53.3	59.6	65.9	73.5	93.6	140.9	204.2	275.3
8.75°	39.9	42.8	48.9	55.0	61.4	67.9	78.8	108.7	162.5	230.8	304.4
7.5°	40.3	44.1	50.3	56.5	63.0	70.0	84.6	122.0	181.5	254.6	330.5
6.25°	40.7	45.2	51.4	57.8	64.4	71.9	89.6	134.2	200.3	275.5	353.0
5°	41.0	46.2	52.4	58.9	65.5	73.4	95.4	147.0	216.0	292.8	371.7
3.75°	41.2	46.9	53.1	59.7	66.4	74.9	102.4	157.0	228.4	306.4	385.4
2.5°	41.4	47.4	53.7	60.3	67.0	77.1	107.4	164.2	237.3	316.3	395.2
1.25°	41.5	47.7	54.0	60.7	67.4	78.4	110.4	168.6	242.7	322.3	401.1
0°	41.5	47.8	54.1	60.8	67.5	78.9	111.5	170.0	244.5	324.3	403.1
-1.25°	41.5	47.7	54.0	60.7	67.4	78.4	110.4	168.6	242.7	322.3	401.1
-2.5°	41.4	47.4	53.7	60.3	67.0	77.1	107.4	164.2	237.3	316.3	395.2
-3.75°	41.2	46.9	53.1	59.7	66.4	74.9	102.4	157.0	228.4	306.4	385.4
-5°	41.0	46.2	52.4	58.9	65.5	73.4	95.4	147.0	216.0	292.8	371.7
-6.25°	40.7	45.2	51.4	57.8	64.4	71.9	89.6	134.2	200.3	275.5	353.0
-7.5°	40.3	44.1	50.3	56.5	63.0	70.0	84.6	122.0	181.5	254.6	330.5
-8.75°	39.9	42.8	48.9	55.0	61.4	67.9	78.8	108.7	162.5	230.8	304.4
-10°	39.4	41.4	47.3	53.3	59.6	65.9	73.5	93.6	140.9	204.2	275.3
-11.25°	38.8	40.9	45.6	51.5	57.6	63.8	70.6	85.1	120.5	175.8	243.0
-12.5°	38.2	40.2	43.6	49.5	55.3	61.4	67.5	76.5	101.1	148.0	208.9
-13.75°	37.6	39.5	41.5	47.3	52.9	58.9	64.8	71.6	86.6	121.4	173.6
-15°	37.1	38.8	40.7	44.9	50.4	56.1	61.9	67.7	76.1	97.7	139.9
-16.25°	36.8	38.0	39.9	42.3	47.8	53.2	58.8	64.5	70.7	83.1	111.3
-17.5°	36.4	37.2	39.0	40.8	44.9	50.2	55.6	61.1	66.5	73.0	88.2
-18.75°	36.1	36.8	38.1	39.9	42.0	47.1	52.3	57.5	62.8	68.1	74.9
-20°	35.7	36.4	37.1	38.8	40.6	43.9	48.9	53.8	58.9	63.9	69.2
-21.25°	35.4	36.0	36.7	37.8	39.5	41.2	45.3	50.1	54.8	59.7	64.5





REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	35.2	35.6	36.3	37.0	38.3	39.9	41.7	46.3	50.9	55.4	60.0
-23.75°	35.0	35.3	35.9	36.5	37.2	38.7	40.3	42.4	46.8	51.1	55.4
-25°	34.8	35.1	35.4	36.0	36.7	37.4	38.9	40.4	42.6	46.8	50.9
-26.25°	34.5	34.9	35.2	35.5	36.2	36.8	37.6	39.0	40.4	42.4	46.3
-27.5°	34.3	34.6	34.9	35.3	35.6	36.2	36.8	37.6	38.9	40.3	41.7
-28.75°	34.1	34.4	34.7	35.0	35.3	35.7	36.2	36.8	37.4	38.7	39.9
-30°	33.9	34.1	34.4	34.7	35.0	35.3	35.6	36.2	36.7	37.2	38.3
-31.25°	33.7	33.9	34.2	34.4	34.7	35.0	35.3	35.5	36.0	36.5	37.0
-32.5°	33.5	33.7	33.9	34.2	34.4	34.7	34.9	35.2	35.4	35.9	36.3
-33.75°	33.4	33.5	33.7	33.9	34.1	34.4	34.6	34.9	35.1	35.3	35.6
-35°	33.2	33.4	33.5	33.7	33.9	34.1	34.3	34.5	34.8	35.0	35.2
-36.25°	32.9	33.2	33.4	33.5	33.7	33.8	34.0	34.2	34.4	34.6	34.8
-37.5°	32.7	32.9	33.1	33.3	33.5	33.6	33.7	33.9	34.1	34.3	34.5
-38.75°	32.4	32.6	32.9	33.1	33.3	33.4	33.6	33.7	33.8	34.0	34.2
-40°	32.3	32.4	32.6	32.8	33.0	33.2	33.4	33.5	33.6	33.7	33.8
-41.25°	32.1	32.2	32.4	32.5	32.7	32.9	33.1	33.3	33.4	33.5	33.6
-42.5°	31.8	32.1	32.2	32.3	32.4	32.6	32.8	32.9	33.1	33.3	33.4
-43.75°	31.4	31.7	32.0	32.1	32.2	32.4	32.5	32.6	32.8	32.9	33.1
-45°	30.9	31.2	31.5	31.8	32.1	32.2	32.3	32.4	32.5	32.6	32.8
-46.25°	30.3	30.8	31.1	31.3	31.6	31.9	32.1	32.2	32.3	32.4	32.4
-47.5°	29.5	30.0	30.5	30.8	31.1	31.4	31.6	31.9	32.1	32.1	32.2
-48.75°	28.8	29.2	29.7	30.1	30.5	30.9	31.1	31.4	31.6	31.8	32.0
-50°	28.0	28.4	28.9	29.3	29.7	30.1	30.5	30.8	31.0	31.2	31.4
-51.25°	27.1	27.6	28.0	28.5	28.9	29.3	29.6	30.0	30.3	30.7	30.9
-52.5°	26.3	26.8	27.2	27.6	28.0	28.4	28.8	29.1	29.4	29.7	30.0
-53.75°	25.5	25.9	26.3	26.7	27.1	27.5	27.8	28.2	28.5	28.8	29.1
-55°	24.7	25.1	25.5	25.8	26.2	26.6	26.9	27.2	27.6	27.9	28.2
-56.25°	23.7	24.2	24.6	25.0	25.3	25.7	26.0	26.3	26.6	26.9	27.2
-57.5°	22.5	23.0	23.5	24.0	24.4	24.7	25.0	25.4	25.6	25.9	26.2
-58.75°	21.4	21.9	22.3	22.8	23.2	23.7	24.1	24.4	24.7	24.9	25.2
-60°	19.9	20.5	21.1	21.6	22.0	22.4	22.8	23.2	23.5	23.9	24.2
-61.25°	18.4	19.0	19.5	20.1	20.6	21.1	21.5	21.9	22.2	22.5	22.9
-62.5°	17.0	17.4	18.0	18.5	19.0	19.5	19.9	20.4	20.8	21.2	21.5
-63.75°	15.8	16.2	16.6	17.0	17.3	17.8	18.2	18.7	19.1	19.5	19.8
-65°	14.6	15.0	15.4	15.7	16.1	16.4	16.7	17.0	17.3	17.7	18.1
-66.25°	13.4	13.8	14.1	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.5
-67.5°	12.2	12.6	12.9	13.2	13.5	13.8	14.1	14.4	14.7	14.9	15.1
-68.75°	11.1	11.3	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.5	13.8
-70°	10.4	10.6	10.8	10.9	11.1	11.3	11.5	11.7	12.0	12.2	12.4
-71.25°	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.0	11.1
-72.5°	9.3	9.3	9.4	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
-73.75°	8.9	9.0	9.1	9.1	9.2	9.2	9.3	9.4	9.4	9.4	9.5
-75°	8.6	8.7	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1
-76.25°	8.0	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.7	8.8
-77.5°	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.0	8.1	8.1	8.2



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	6.7	6.8	6.9	7.0	7.2	7.3	7.4	7.4	7.5	7.5	7.6
-80°	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7
-81.25°	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.6	5.7
-82.5°	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8
-83.75°	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0
-85°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
-86.25°	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4
-87.5°	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
86.25°	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6
85°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
83.75°	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3
82.5°	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1
81.25°	5.8	5.8	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2
80°	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3
78.75°	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	8.0	8.0
77.5°	8.3	8.3	8.3	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6
76.25°	8.8	8.8	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.0
75°	9.2	9.2	9.2	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.4
73.75°	9.6	9.7	9.8	9.8	9.9	10.0	10.1	10.1	10.2	10.2	10.3
72.5°	10.4	10.5	10.6	10.7	10.8	10.9	10.9	11.0	11.1	11.1	11.1
71.25°	11.3	11.4	11.6	11.7	11.9	12.0	12.1	12.2	12.4	12.4	12.5
70°	12.6	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.8	13.9	14.0
68.75°	14.0	14.2	14.4	14.6	14.7	14.9	15.0	15.2	15.3	15.4	15.5
67.5°	15.4	15.6	15.8	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.0
66.25°	16.8	17.0	17.2	17.4	17.7	17.9	18.1	18.3	18.5	18.7	18.8
65°	18.4	18.7	19.0	19.3	19.5	19.8	20.0	20.2	20.4	20.6	20.7
63.75°	20.2	20.5	20.8	21.1	21.4	21.5	21.7	21.9	22.1	22.2	22.3
62.5°	21.8	22.1	22.3	22.6	22.8	23.0	23.2	23.4	23.5	23.7	23.8
61.25°	23.2	23.4	23.7	24.0	24.2	24.4	24.5	24.6	24.8	24.9	25.0
60°	24.4	24.7	24.9	25.1	25.2	25.4	25.6	25.7	25.8	26.0	26.1
58.75°	25.4	25.7	25.9	26.1	26.3	26.5	26.6	26.8	26.9	27.0	27.1
57.5°	26.4	26.7	26.9	27.1	27.3	27.5	27.7	27.8	28.0	28.1	28.2
56.25°	27.4	27.7	27.9	28.2	28.4	28.6	28.7	28.9	29.0	29.2	29.3
55°	28.4	28.7	28.9	29.2	29.4	29.6	29.7	29.9	30.1	30.2	30.3
53.75°	29.4	29.7	29.9	30.1	30.4	30.6	30.7	30.8	30.9	31.0	31.1
52.5°	30.3	30.6	30.8	31.0	31.1	31.2	31.4	31.5	31.6	31.7	31.7
51.25°	31.1	31.2	31.4	31.6	31.7	31.8	32.0	32.0	32.1	32.1	32.1
50°	31.6	31.8	32.0	32.1	32.1	32.2	32.2	32.3	32.3	32.4	32.4
48.75°	32.1	32.2	32.2	32.3	32.4	32.4	32.5	32.5	32.6	32.7	32.7
47.5°	32.3	32.4	32.5	32.5	32.6	32.7	32.8	32.9	33.0	33.0	33.1
46.25°	32.5	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.3	33.4	33.4
45°	32.9	33.0	33.2	33.3	33.4	33.4	33.5	33.5	33.6	33.6	33.7
43.75°	33.2	33.3	33.4	33.5	33.6	33.6	33.7	33.8	33.8	33.9	34.0
42.5°	33.5	33.6	33.7	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4
41.25°	33.7	33.8	33.9	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8
40°	34.0	34.1	34.3	34.4	34.6	34.7	34.8	34.9	35.0	35.1	35.2
38.75°	34.3	34.5	34.6	34.8	35.0	35.1	35.2	35.4	35.5	35.6	35.8
37.5°	34.7	34.9	35.0	35.2	35.4	35.5	35.8	36.0	36.2	36.4	36.6
36.25°	35.0	35.2	35.4	35.7	36.0	36.3	36.6	36.8	37.0	37.3	37.8
35°	35.4	35.7	36.1	36.4	36.8	37.1	37.6	38.2	38.8	39.4	39.9

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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	36.0	36.4	36.8	37.2	38.0	38.8	39.5	40.2	40.9	41.4	42.8
32.5°	36.7	37.1	38.1	39.0	39.9	40.7	41.5	43.6	45.6	47.3	48.9
31.25°	37.8	38.8	39.9	40.8	42.3	44.9	47.3	49.5	51.5	53.3	55.0
30°	39.5	40.6	42.0	44.9	47.8	50.4	52.9	55.3	57.6	59.6	61.4
28.75°	41.2	43.9	47.1	50.2	53.2	56.1	58.9	61.4	63.8	65.9	67.9
27.5°	45.3	48.9	52.3	55.6	58.8	61.9	64.8	67.5	70.6	73.5	78.8
26.25°	50.1	53.8	57.5	61.1	64.5	67.7	71.6	76.5	85.1	93.6	108.7
25°	54.8	58.9	62.8	66.5	70.7	76.1	86.6	101.1	120.5	140.9	162.5
23.75°	59.7	63.9	68.1	73.0	83.1	97.7	121.4	148.0	175.8	204.2	230.8
22.5°	64.5	69.2	74.9	88.2	111.3	139.9	173.6	208.9	243.0	275.3	304.4
21.25°	69.6	76.9	91.3	120.4	155.8	194.8	236.1	275.9	313.2	347.9	378.8
20°	76.9	92.6	125.0	165.4	210.3	256.3	301.1	343.9	383.0	417.0	445.9
18.75°	91.3	125.0	168.7	218.0	268.8	318.4	366.2	408.6	445.7	477.0	502.8
17.5°	120.4	165.4	218.0	272.9	327.1	379.3	425.9	465.1	499.0	527.8	558.5
16.25°	155.8	210.3	268.8	327.1	383.6	434.4	476.9	513.2	549.0	585.5	629.9
15°	194.8	256.3	318.4	379.3	434.4	480.9	520.4	562.3	610.0	662.5	723.4
13.75°	236.1	301.1	366.2	425.9	476.9	520.4	566.8	622.5	687.6	759.3	839.0
12.5°	275.9	343.9	408.6	465.1	513.2	562.3	622.5	696.0	781.0	874.1	978.8
11.25°	313.2	383.0	445.7	499.0	549.0	610.0	687.6	781.0	888.1	1008.4	1131.9
10°	347.9	417.0	477.0	527.8	585.5	662.5	759.3	874.1	1008.4	1149.3	1292.4
8.75°	378.8	445.9	502.8	558.5	629.9	723.4	839.0	978.8	1131.9	1292.4	1451.2
7.5°	404.5	469.6	524.8	586.5	672.7	783.9	920.8	1080.5	1252.2	1428.8	1606.5
6.25°	426.6	489.5	546.2	618.9	717.3	842.5	998.5	1173.9	1362.9	1555.4	1752.3
5°	443.5	504.3	565.1	646.0	755.1	897.4	1069.9	1260.0	1460.4	1670.2	1881.1
3.75°	456.1	516.1	580.1	669.9	791.5	945.8	1128.0	1329.3	1541.2	1764.9	1985.9
2.5°	465.2	524.6	592.6	689.9	817.9	981.1	1170.8	1381.7	1603.6	1835.7	2064.5
1.25°	470.7	529.7	601.3	702.0	833.9	1002.5	1199.0	1413.9	1641.9	1879.4	2113.2
0°	472.5	531.4	604.3	706.1	839.3	1009.7	1208.5	1424.7	1654.8	1894.2	2129.7
-1.25°	470.7	529.7	601.3	702.0	833.9	1002.5	1199.0	1413.9	1641.9	1879.4	2113.2
-2.5°	465.2	524.6	592.6	689.9	817.9	981.1	1170.8	1381.7	1603.6	1835.7	2064.5
-3.75°	456.1	516.1	580.1	669.9	791.5	945.8	1128.0	1329.3	1541.2	1764.9	1985.9
-5°	443.5	504.3	565.1	646.0	755.1	897.4	1069.9	1260.0	1460.4	1670.2	1881.1
-6.25°	426.6	489.5	546.2	618.9	717.3	842.5	998.5	1173.9	1362.9	1555.4	1752.3
-7.5°	404.5	469.6	524.8	586.5	672.7	783.9	920.8	1080.5	1252.2	1428.8	1606.5
-8.75°	378.8	445.9	502.8	558.5	629.9	723.4	839.0	978.8	1131.9	1292.4	1451.2
-10°	347.9	417.0	477.0	527.8	585.5	662.5	759.3	874.1	1008.4	1149.3	1292.4
-11.25°	313.2	383.0	445.7	499.0	549.0	610.0	687.6	781.0	888.1	1008.4	1131.9
-12.5°	275.9	343.9	408.6	465.1	513.2	562.3	622.5	696.0	781.0	874.1	978.8
-13.75°	236.1	301.1	366.2	425.9	476.9	520.4	566.8	622.5	687.6	759.3	839.0
-15°	194.8	256.3	318.4	379.3	434.4	480.9	520.4	562.3	610.0	662.5	723.4
-16.25°	155.8	210.3	268.8	327.1	383.6	434.4	476.9	513.2	549.0	585.5	629.9
-17.5°	120.4	165.4	218.0	272.9	327.1	379.3	425.9	465.1	499.0	527.8	558.5
-18.75°	91.3	125.0	168.7	218.0	268.8	318.4	366.2	408.6	445.7	477.0	502.8
-20°	76.9	92.6	125.0	165.4	210.3	256.3	301.1	343.9	383.0	417.0	445.9
-21.25°	69.6	76.9	91.3	120.4	155.8	194.8	236.1	275.9	313.2	347.9	378.8



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	64.5	69.2	74.9	88.2	111.3	139.9	173.6	208.9	243.0	275.3	304.4
-23.75°	59.7	63.9	68.1	73.0	83.1	97.7	121.4	148.0	175.8	204.2	230.8
-25°	54.8	58.9	62.8	66.5	70.7	76.1	86.6	101.1	120.5	140.9	162.5
-26.25°	50.1	53.8	57.5	61.1	64.5	67.7	71.6	76.5	85.1	93.6	108.7
-27.5°	45.3	48.9	52.3	55.6	58.8	61.9	64.8	67.5	70.6	73.5	78.8
-28.75°	41.2	43.9	47.1	50.2	53.2	56.1	58.9	61.4	63.8	65.9	67.9
-30°	39.5	40.6	42.0	44.9	47.8	50.4	52.9	55.3	57.6	59.6	61.4
-31.25°	37.8	38.8	39.9	40.8	42.3	44.9	47.3	49.5	51.5	53.3	55.0
-32.5°	36.7	37.1	38.1	39.0	39.9	40.7	41.5	43.6	45.6	47.3	48.9
-33.75°	36.0	36.4	36.8	37.2	38.0	38.8	39.5	40.2	40.9	41.4	42.8
-35°	35.4	35.7	36.1	36.4	36.8	37.1	37.6	38.2	38.8	39.4	39.9
-36.25°	35.0	35.2	35.4	35.7	36.0	36.3	36.6	36.8	37.0	37.3	37.8
-37.5°	34.7	34.9	35.0	35.2	35.4	35.5	35.8	36.0	36.2	36.4	36.6
-38.75°	34.3	34.5	34.6	34.8	35.0	35.1	35.2	35.4	35.5	35.6	35.8
-40°	34.0	34.1	34.3	34.4	34.6	34.7	34.8	34.9	35.0	35.1	35.2
-41.25°	33.7	33.8	33.9	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8
-42.5°	33.5	33.6	33.7	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4
-43.75°	33.2	33.3	33.4	33.5	33.6	33.6	33.7	33.8	33.8	33.9	34.0
-45°	32.9	33.0	33.2	33.3	33.4	33.4	33.5	33.5	33.6	33.6	33.7
-46.25°	32.5	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.3	33.4	33.4
-47.5°	32.3	32.4	32.5	32.5	32.6	32.7	32.8	32.9	33.0	33.0	33.1
-48.75°	32.1	32.2	32.2	32.3	32.4	32.4	32.5	32.5	32.6	32.7	32.7
-50°	31.6	31.8	32.0	32.1	32.1	32.2	32.2	32.3	32.3	32.4	32.4
-51.25°	31.1	31.2	31.4	31.6	31.7	31.8	32.0	32.0	32.1	32.1	32.1
-52.5°	30.3	30.6	30.8	31.0	31.1	31.2	31.4	31.5	31.6	31.7	31.7
-53.75°	29.4	29.7	29.9	30.1	30.4	30.6	30.7	30.8	30.9	31.0	31.1
-55°	28.4	28.7	28.9	29.2	29.4	29.6	29.7	29.9	30.1	30.2	30.3
-56.25°	27.4	27.7	27.9	28.2	28.4	28.6	28.7	28.9	29.0	29.2	29.3
-57.5°	26.4	26.7	26.9	27.1	27.3	27.5	27.7	27.8	28.0	28.1	28.2
-58.75°	25.4	25.7	25.9	26.1	26.3	26.5	26.6	26.8	26.9	27.0	27.1
-60°	24.4	24.7	24.9	25.1	25.2	25.4	25.6	25.7	25.8	26.0	26.1
-61.25°	23.2	23.4	23.7	24.0	24.2	24.4	24.5	24.6	24.8	24.9	25.0
-62.5°	21.8	22.1	22.3	22.6	22.8	23.0	23.2	23.4	23.5	23.7	23.8
-63.75°	20.2	20.5	20.8	21.1	21.4	21.5	21.7	21.9	22.1	22.2	22.3
-65°	18.4	18.7	19.0	19.3	19.5	19.8	20.0	20.2	20.4	20.6	20.7
-66.25°	16.8	17.0	17.2	17.4	17.7	17.9	18.1	18.3	18.5	18.7	18.8
-67.5°	15.4	15.6	15.8	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.0
-68.75°	14.0	14.2	14.4	14.6	14.7	14.9	15.0	15.2	15.3	15.4	15.5
-70°	12.6	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.8	13.9	14.0
-71.25°	11.3	11.4	11.6	11.7	11.9	12.0	12.1	12.2	12.4	12.4	12.5
-72.5°	10.4	10.5	10.6	10.7	10.8	10.9	10.9	11.0	11.1	11.1	11.1
-73.75°	9.6	9.7	9.8	9.8	9.9	10.0	10.1	10.1	10.2	10.2	10.3
-75°	9.2	9.2	9.2	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.4
-76.25°	8.8	8.8	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.0
-77.5°	8.3	8.3	8.3	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°
-78.75°	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	8.0	8.0
-80°	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3
-81.25°	5.8	5.8	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2
-82.5°	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1
-83.75°	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3
-85°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
-86.25°	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6
-87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
-88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
86.25°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
83.75°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
82.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
81.25°	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
78.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.0	8.0	8.0	8.0
77.5°	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
76.25°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
75°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
73.75°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
72.5°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
71.25°	12.6	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.7
70°	14.1	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.2	14.2
68.75°	15.6	15.6	15.7	15.7	15.8	15.8	15.8	15.8	15.8	15.7	15.7
67.5°	17.1	17.1	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.2	17.2
66.25°	18.9	19.0	19.1	19.2	19.2	19.2	19.3	19.2	19.2	19.2	19.1
65°	20.8	21.0	21.0	21.1	21.2	21.2	21.2	21.2	21.2	21.1	21.0
63.75°	22.4	22.5	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.6	22.6
62.5°	23.9	24.0	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.1	24.1
61.25°	25.1	25.1	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.2	25.2
60°	26.2	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.3	26.3
58.75°	27.2	27.3	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.4	27.4
57.5°	28.3	28.4	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.5	28.5
56.25°	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.6	29.6	29.6	29.5
55°	30.4	30.5	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.6	30.6
53.75°	31.2	31.2	31.3	31.3	31.3	31.3	31.4	31.3	31.3	31.3	31.3
52.5°	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.9
51.25°	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.2	32.2	32.2	32.2
50°	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
48.75°	32.8	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.8
47.5°	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.2
46.25°	33.5	33.5	33.5	33.5	33.5	33.5	33.6	33.5	33.5	33.5	33.5
45°	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
43.75°	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.1
42.5°	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.5
41.25°	34.8	34.9	35.0	35.0	35.0	35.0	35.1	35.0	35.0	35.0	35.0
40°	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.4	35.4
38.75°	35.9	36.1	36.2	36.2	36.3	36.3	36.4	36.3	36.3	36.2	36.2
37.5°	36.8	36.9	37.0	37.1	37.2	37.2	37.2	37.2	37.2	37.1	37.0
36.25°	38.2	38.6	38.8	39.1	39.2	39.3	39.4	39.3	39.2	39.1	38.8
35°	40.3	40.7	41.0	41.2	41.4	41.5	41.5	41.5	41.4	41.2	41.0

REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°
33.75°	44.1	45.2	46.2	46.9	47.4	47.7	47.8	47.7	47.4	46.9	46.2
32.5°	50.3	51.4	52.4	53.1	53.7	54.0	54.1	54.0	53.7	53.1	52.4
31.25°	56.5	57.8	58.9	59.7	60.3	60.7	60.8	60.7	60.3	59.7	58.9
30°	63.0	64.4	65.5	66.4	67.0	67.4	67.5	67.4	67.0	66.4	65.5
28.75°	70.0	71.9	73.4	74.9	77.1	78.4	78.9	78.4	77.1	74.9	73.4
27.5°	84.6	89.6	95.4	102.4	107.4	110.4	111.5	110.4	107.4	102.4	95.4
26.25°	122.0	134.2	147.0	157.0	164.2	168.6	170.0	168.6	164.2	157.0	147.0
25°	181.5	200.3	216.0	228.4	237.3	242.7	244.5	242.7	237.3	228.4	216.0
23.75°	254.6	275.5	292.8	306.4	316.3	322.3	324.3	322.3	316.3	306.4	292.8
22.5°	330.5	353.0	371.7	385.4	395.2	401.1	403.1	401.1	395.2	385.4	371.7
21.25°	404.5	426.6	443.5	456.1	465.2	470.7	472.5	470.7	465.2	456.1	443.5
20°	469.6	489.5	504.3	516.1	524.6	529.7	531.4	529.7	524.6	516.1	504.3
18.75°	524.8	546.2	565.1	580.1	592.6	601.3	604.3	601.3	592.6	580.1	565.1
17.5°	586.5	618.9	646.0	669.9	689.9	702.0	706.1	702.0	689.9	669.9	646.0
16.25°	672.7	717.3	755.1	791.5	817.9	833.9	839.3	833.9	817.9	791.5	755.1
15°	783.9	842.5	897.4	945.8	981.1	1002.5	1009.7	1002.5	981.1	945.8	897.4
13.75°	920.8	998.5	1069.9	1128.0	1170.8	1199.0	1208.5	1199.0	1170.8	1128.0	1069.9
12.5°	1080.5	1173.9	1260.0	1329.3	1381.7	1413.9	1424.7	1413.9	1381.7	1329.3	1260.0
11.25°	1252.2	1362.9	1460.4	1541.2	1603.6	1641.9	1654.8	1641.9	1603.6	1541.2	1460.4
10°	1428.8	1555.4	1670.2	1764.9	1835.7	1879.4	1894.2	1879.4	1835.7	1764.9	1670.2
8.75°	1606.5	1752.3	1881.1	1985.9	2064.5	2113.2	2129.7	2113.2	2064.5	1985.9	1881.1
7.5°	1780.6	1941.1	2081.8	2198.8	2286.5	2338.0	2355.6	2338.0	2286.5	2198.8	2081.8
6.25°	1941.1	2114.7	2270.3	2392.5	2480.6	2532.4	2550.4	2532.4	2480.6	2392.5	2270.3
5°	2081.8	2270.3	2429.9	2550.8	2640.6	2697.7	2717.8	2697.7	2640.6	2550.8	2429.9
3.75°	2198.8	2392.5	2550.8	2678.3	2769.5	2826.9	2845.7	2826.9	2769.5	2678.3	2550.8
2.5°	2286.5	2480.6	2640.6	2769.5	2865.6	2927.3	2944.8	2927.3	2865.6	2769.5	2640.6
1.25°	2338.0	2532.4	2697.7	2826.9	2927.3	2985.0	3008.5	2985.0	2927.3	2826.9	2697.7
0°	2355.6	2550.4	2717.8	2845.7	2944.8	3008.5	3053.6	3008.5	2944.8	2845.7	2717.8
-1.25°	2338.0	2532.4	2697.7	2826.9	2927.3	2985.0	3008.5	2985.0	2927.3	2826.9	2697.7
-2.5°	2286.5	2480.6	2640.6	2769.5	2865.6	2927.3	2944.8	2927.3	2865.6	2769.5	2640.6
-3.75°	2198.8	2392.5	2550.8	2678.3	2769.5	2826.9	2845.7	2826.9	2769.5	2678.3	2550.8
-5°	2081.8	2270.3	2429.9	2550.8	2640.6	2697.7	2717.8	2697.7	2640.6	2550.8	2429.9
-6.25°	1941.1	2114.7	2270.3	2392.5	2480.6	2532.4	2550.4	2532.4	2480.6	2392.5	2270.3
-7.5°	1780.6	1941.1	2081.8	2198.8	2286.5	2338.0	2355.6	2338.0	2286.5	2198.8	2081.8
-8.75°	1606.5	1752.3	1881.1	1985.9	2064.5	2113.2	2129.7	2113.2	2064.5	1985.9	1881.1
-10°	1428.8	1555.4	1670.2	1764.9	1835.7	1879.4	1894.2	1879.4	1835.7	1764.9	1670.2
-11.25°	1252.2	1362.9	1460.4	1541.2	1603.6	1641.9	1654.8	1641.9	1603.6	1541.2	1460.4
-12.5°	1080.5	1173.9	1260.0	1329.3	1381.7	1413.9	1424.7	1413.9	1381.7	1329.3	1260.0
-13.75°	920.8	998.5	1069.9	1128.0	1170.8	1199.0	1208.5	1199.0	1170.8	1128.0	1069.9
-15°	783.9	842.5	897.4	945.8	981.1	1002.5	1009.7	1002.5	981.1	945.8	897.4
-16.25°	672.7	717.3	755.1	791.5	817.9	833.9	839.3	833.9	817.9	791.5	755.1
-17.5°	586.5	618.9	646.0	669.9	689.9	702.0	706.1	702.0	689.9	669.9	646.0
-18.75°	524.8	546.2	565.1	580.1	592.6	601.3	604.3	601.3	592.6	580.1	565.1
-20°	469.6	489.5	504.3	516.1	524.6	529.7	531.4	529.7	524.6	516.1	504.3
-21.25°	404.5	426.6	443.5	456.1	465.2	470.7	472.5	470.7	465.2	456.1	443.5





REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°
-22.5°	330.5	353.0	371.7	385.4	395.2	401.1	403.1	401.1	395.2	385.4	371.7
-23.75°	254.6	275.5	292.8	306.4	316.3	322.3	324.3	322.3	316.3	306.4	292.8
-25°	181.5	200.3	216.0	228.4	237.3	242.7	244.5	242.7	237.3	228.4	216.0
-26.25°	122.0	134.2	147.0	157.0	164.2	168.6	170.0	168.6	164.2	157.0	147.0
-27.5°	84.6	89.6	95.4	102.4	107.4	110.4	111.5	110.4	107.4	102.4	95.4
-28.75°	70.0	71.9	73.4	74.9	77.1	78.4	78.9	78.4	77.1	74.9	73.4
-30°	63.0	64.4	65.5	66.4	67.0	67.4	67.5	67.4	67.0	66.4	65.5
-31.25°	56.5	57.8	58.9	59.7	60.3	60.7	60.8	60.7	60.3	59.7	58.9
-32.5°	50.3	51.4	52.4	53.1	53.7	54.0	54.1	54.0	53.7	53.1	52.4
-33.75°	44.1	45.2	46.2	46.9	47.4	47.7	47.8	47.7	47.4	46.9	46.2
-35°	40.3	40.7	41.0	41.2	41.4	41.5	41.5	41.5	41.4	41.2	41.0
-36.25°	38.2	38.6	38.8	39.1	39.2	39.3	39.4	39.3	39.2	39.1	38.8
-37.5°	36.8	36.9	37.0	37.1	37.2	37.2	37.2	37.2	37.2	37.1	37.0
-38.75°	35.9	36.1	36.2	36.2	36.3	36.3	36.4	36.3	36.3	36.2	36.2
-40°	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.4	35.4
-41.25°	34.8	34.9	35.0	35.0	35.0	35.0	35.1	35.0	35.0	35.0	35.0
-42.5°	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.5
-43.75°	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.1
-45°	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
-46.25°	33.5	33.5	33.5	33.5	33.5	33.5	33.6	33.5	33.5	33.5	33.5
-47.5°	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.2
-48.75°	32.8	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.8
-50°	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
-51.25°	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.2	32.2	32.2	32.2
-52.5°	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.9
-53.75°	31.2	31.2	31.3	31.3	31.3	31.3	31.4	31.3	31.3	31.3	31.3
-55°	30.4	30.5	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.6	30.6
-56.25°	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.6	29.6	29.6	29.5
-57.5°	28.3	28.4	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.5	28.5
-58.75°	27.2	27.3	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.4	27.4
-60°	26.2	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.3	26.3
-61.25°	25.1	25.1	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.2	25.2
-62.5°	23.9	24.0	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.1	24.1
-63.75°	22.4	22.5	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.6	22.6
-65°	20.8	21.0	21.0	21.1	21.2	21.2	21.2	21.2	21.2	21.1	21.0
-66.25°	18.9	19.0	19.1	19.2	19.2	19.2	19.3	19.2	19.2	19.2	19.1
-67.5°	17.1	17.1	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.2	17.2
-68.75°	15.6	15.6	15.7	15.7	15.8	15.8	15.8	15.8	15.8	15.7	15.7
-70°	14.1	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.2	14.2
-71.25°	12.6	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.7
-72.5°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
-73.75°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-75°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-76.25°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
-77.5°	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



REPORT NUMBER: P220451 (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°	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.0	8.0	8.0	8.0
-80°	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-81.25°	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
-82.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-83.75°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
-85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-86.25°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
86.25°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
83.75°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1
82.5°	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9
81.25°	6.3	6.2	6.2	6.2	6.2	6.1	6.1	6.0	6.0	5.9	5.9
80°	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9
78.75°	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7
77.5°	8.7	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.3
76.25°	9.1	9.1	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.9	8.9
75°	9.5	9.5	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.3	9.2
73.75°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.8	9.8
72.5°	11.2	11.2	11.1	11.1	11.1	11.0	10.9	10.9	10.8	10.7	10.6
71.25°	12.7	12.6	12.5	12.4	12.4	12.2	12.1	12.0	11.9	11.7	11.6
70°	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.4	13.3	13.1	13.0
68.75°	15.6	15.6	15.5	15.4	15.3	15.2	15.0	14.9	14.7	14.6	14.4
67.5°	17.1	17.1	17.0	16.9	16.8	16.6	16.5	16.3	16.2	16.0	15.8
66.25°	19.0	18.9	18.8	18.7	18.5	18.3	18.1	17.9	17.7	17.4	17.2
65°	21.0	20.8	20.7	20.6	20.4	20.2	20.0	19.8	19.5	19.3	19.0
63.75°	22.5	22.4	22.3	22.2	22.1	21.9	21.7	21.5	21.4	21.1	20.8
62.5°	24.0	23.9	23.8	23.7	23.5	23.4	23.2	23.0	22.8	22.6	22.3
61.25°	25.1	25.1	25.0	24.9	24.8	24.6	24.5	24.4	24.2	24.0	23.7
60°	26.2	26.2	26.1	26.0	25.8	25.7	25.6	25.4	25.2	25.1	24.9
58.75°	27.3	27.2	27.1	27.0	26.9	26.8	26.6	26.5	26.3	26.1	25.9
57.5°	28.4	28.3	28.2	28.1	28.0	27.8	27.7	27.5	27.3	27.1	26.9
56.25°	29.5	29.4	29.3	29.2	29.0	28.9	28.7	28.6	28.4	28.2	27.9
55°	30.5	30.4	30.3	30.2	30.1	29.9	29.7	29.6	29.4	29.2	28.9
53.75°	31.2	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.4	30.1	29.9
52.5°	31.9	31.8	31.7	31.7	31.6	31.5	31.4	31.2	31.1	31.0	30.8
51.25°	32.2	32.2	32.1	32.1	32.1	32.0	32.0	31.8	31.7	31.6	31.4
50°	32.4	32.4	32.4	32.4	32.3	32.3	32.2	32.2	32.1	32.1	32.0
48.75°	32.8	32.8	32.7	32.7	32.6	32.5	32.5	32.4	32.4	32.3	32.2
47.5°	33.2	33.2	33.1	33.0	33.0	32.9	32.8	32.7	32.6	32.5	32.5
46.25°	33.5	33.5	33.4	33.4	33.3	33.3	33.2	33.1	33.0	32.9	32.8
45°	33.7	33.7	33.7	33.6	33.6	33.5	33.5	33.4	33.4	33.3	33.2
43.75°	34.1	34.0	34.0	33.9	33.8	33.8	33.7	33.6	33.6	33.5	33.4
42.5°	34.5	34.4	34.4	34.3	34.2	34.1	34.0	33.9	33.8	33.7	33.7
41.25°	34.9	34.8	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	33.9
40°	35.4	35.3	35.2	35.1	35.0	34.9	34.8	34.7	34.6	34.4	34.3
38.75°	36.1	35.9	35.8	35.6	35.5	35.4	35.2	35.1	35.0	34.8	34.6
37.5°	36.9	36.8	36.6	36.4	36.2	36.0	35.8	35.5	35.4	35.2	35.0
36.25°	38.6	38.2	37.8	37.3	37.0	36.8	36.6	36.3	36.0	35.7	35.4
35°	40.7	40.3	39.9	39.4	38.8	38.2	37.6	37.1	36.8	36.4	36.1



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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°	45.2	44.1	42.8	41.4	40.9	40.2	39.5	38.8	38.0	37.2	36.8
32.5°	51.4	50.3	48.9	47.3	45.6	43.6	41.5	40.7	39.9	39.0	38.1
31.25°	57.8	56.5	55.0	53.3	51.5	49.5	47.3	44.9	42.3	40.8	39.9
30°	64.4	63.0	61.4	59.6	57.6	55.3	52.9	50.4	47.8	44.9	42.0
28.75°	71.9	70.0	67.9	65.9	63.8	61.4	58.9	56.1	53.2	50.2	47.1
27.5°	89.6	84.6	78.8	73.5	70.6	67.5	64.8	61.9	58.8	55.6	52.3
26.25°	134.2	122.0	108.7	93.6	85.1	76.5	71.6	67.7	64.5	61.1	57.5
25°	200.3	181.5	162.5	140.9	120.5	101.1	86.6	76.1	70.7	66.5	62.8
23.75°	275.5	254.6	230.8	204.2	175.8	148.0	121.4	97.7	83.1	73.0	68.1
22.5°	353.0	330.5	304.4	275.3	243.0	208.9	173.6	139.9	111.3	88.2	74.9
21.25°	426.6	404.5	378.8	347.9	313.2	275.9	236.1	194.8	155.8	120.4	91.3
20°	489.5	469.6	445.9	417.0	383.0	343.9	301.1	256.3	210.3	165.4	125.0
18.75°	546.2	524.8	502.8	477.0	445.7	408.6	366.2	318.4	268.8	218.0	168.7
17.5°	618.9	586.5	558.5	527.8	499.0	465.1	425.9	379.3	327.1	272.9	218.0
16.25°	717.3	672.7	629.9	585.5	549.0	513.2	476.9	434.4	383.6	327.1	268.8
15°	842.5	783.9	723.4	662.5	610.0	562.3	520.4	480.9	434.4	379.3	318.4
13.75°	998.5	920.8	839.0	759.3	687.6	622.5	566.8	520.4	476.9	425.9	366.2
12.5°	1173.9	1080.5	978.8	874.1	781.0	696.0	622.5	562.3	513.2	465.1	408.6
11.25°	1362.9	1252.2	1131.9	1008.4	888.1	781.0	687.6	610.0	549.0	499.0	445.7
10°	1555.4	1428.8	1292.4	1149.3	1008.4	874.1	759.3	662.5	585.5	527.8	477.0
8.75°	1752.3	1606.5	1451.2	1292.4	1131.9	978.8	839.0	723.4	629.9	558.5	502.8
7.5°	1941.1	1780.6	1606.5	1428.8	1252.2	1080.5	920.8	783.9	672.7	586.5	524.8
6.25°	2114.7	1941.1	1752.3	1555.4	1362.9	1173.9	998.5	842.5	717.3	618.9	546.2
5°	2270.3	2081.8	1881.1	1670.2	1460.4	1260.0	1069.9	897.4	755.1	646.0	565.1
3.75°	2392.5	2198.8	1985.9	1764.9	1541.2	1329.3	1128.0	945.8	791.5	669.9	580.1
2.5°	2480.6	2286.5	2064.5	1835.7	1603.6	1381.7	1170.8	981.1	817.9	689.9	592.6
1.25°	2532.4	2338.0	2113.2	1879.4	1641.9	1413.9	1199.0	1002.5	833.9	702.0	601.3
0°	2550.4	2355.6	2129.7	1894.2	1654.8	1424.7	1208.5	1009.7	839.3	706.1	604.3
-1.25°	2532.4	2338.0	2113.2	1879.4	1641.9	1413.9	1199.0	1002.5	833.9	702.0	601.3
-2.5°	2480.6	2286.5	2064.5	1835.7	1603.6	1381.7	1170.8	981.1	817.9	689.9	592.6
-3.75°	2392.5	2198.8	1985.9	1764.9	1541.2	1329.3	1128.0	945.8	791.5	669.9	580.1
-5°	2270.3	2081.8	1881.1	1670.2	1460.4	1260.0	1069.9	897.4	755.1	646.0	565.1
-6.25°	2114.7	1941.1	1752.3	1555.4	1362.9	1173.9	998.5	842.5	717.3	618.9	546.2
-7.5°	1941.1	1780.6	1606.5	1428.8	1252.2	1080.5	920.8	783.9	672.7	586.5	524.8
-8.75°	1752.3	1606.5	1451.2	1292.4	1131.9	978.8	839.0	723.4	629.9	558.5	502.8
-10°	1555.4	1428.8	1292.4	1149.3	1008.4	874.1	759.3	662.5	585.5	527.8	477.0
-11.25°	1362.9	1252.2	1131.9	1008.4	888.1	781.0	687.6	610.0	549.0	499.0	445.7
-12.5°	1173.9	1080.5	978.8	874.1	781.0	696.0	622.5	562.3	513.2	465.1	408.6
-13.75°	998.5	920.8	839.0	759.3	687.6	622.5	566.8	520.4	476.9	425.9	366.2
-15°	842.5	783.9	723.4	662.5	610.0	562.3	520.4	480.9	434.4	379.3	318.4
-16.25°	717.3	672.7	629.9	585.5	549.0	513.2	476.9	434.4	383.6	327.1	268.8
-17.5°	618.9	586.5	558.5	527.8	499.0	465.1	425.9	379.3	327.1	272.9	218.0
-18.75°	546.2	524.8	502.8	477.0	445.7	408.6	366.2	318.4	268.8	218.0	168.7
-20°	489.5	469.6	445.9	417.0	383.0	343.9	301.1	256.3	210.3	165.4	125.0
-21.25°	426.6	404.5	378.8	347.9	313.2	275.9	236.1	194.8	155.8	120.4	91.3



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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°	353.0	330.5	304.4	275.3	243.0	208.9	173.6	139.9	111.3	88.2	74.9
-23.75°	275.5	254.6	230.8	204.2	175.8	148.0	121.4	97.7	83.1	73.0	68.1
-25°	200.3	181.5	162.5	140.9	120.5	101.1	86.6	76.1	70.7	66.5	62.8
-26.25°	134.2	122.0	108.7	93.6	85.1	76.5	71.6	67.7	64.5	61.1	57.5
-27.5°	89.6	84.6	78.8	73.5	70.6	67.5	64.8	61.9	58.8	55.6	52.3
-28.75°	71.9	70.0	67.9	65.9	63.8	61.4	58.9	56.1	53.2	50.2	47.1
-30°	64.4	63.0	61.4	59.6	57.6	55.3	52.9	50.4	47.8	44.9	42.0
-31.25°	57.8	56.5	55.0	53.3	51.5	49.5	47.3	44.9	42.3	40.8	39.9
-32.5°	51.4	50.3	48.9	47.3	45.6	43.6	41.5	40.7	39.9	39.0	38.1
-33.75°	45.2	44.1	42.8	41.4	40.9	40.2	39.5	38.8	38.0	37.2	36.8
-35°	40.7	40.3	39.9	39.4	38.8	38.2	37.6	37.1	36.8	36.4	36.1
-36.25°	38.6	38.2	37.8	37.3	37.0	36.8	36.6	36.3	36.0	35.7	35.4
-37.5°	36.9	36.8	36.6	36.4	36.2	36.0	35.8	35.5	35.4	35.2	35.0
-38.75°	36.1	35.9	35.8	35.6	35.5	35.4	35.2	35.1	35.0	34.8	34.6
-40°	35.4	35.3	35.2	35.1	35.0	34.9	34.8	34.7	34.6	34.4	34.3
-41.25°	34.9	34.8	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	33.9
-42.5°	34.5	34.4	34.4	34.3	34.2	34.1	34.0	33.9	33.8	33.7	33.7
-43.75°	34.1	34.0	34.0	33.9	33.8	33.8	33.7	33.6	33.6	33.5	33.4
-45°	33.7	33.7	33.7	33.6	33.6	33.5	33.5	33.4	33.4	33.3	33.2
-46.25°	33.5	33.5	33.4	33.4	33.3	33.3	33.2	33.1	33.0	32.9	32.8
-47.5°	33.2	33.2	33.1	33.0	33.0	32.9	32.8	32.7	32.6	32.5	32.5
-48.75°	32.8	32.8	32.7	32.7	32.6	32.5	32.5	32.4	32.4	32.3	32.2
-50°	32.4	32.4	32.4	32.4	32.3	32.3	32.2	32.2	32.1	32.1	32.0
-51.25°	32.2	32.2	32.1	32.1	32.1	32.0	32.0	31.8	31.7	31.6	31.4
-52.5°	31.9	31.8	31.7	31.7	31.6	31.5	31.4	31.2	31.1	31.0	30.8
-53.75°	31.2	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.4	30.1	29.9
-55°	30.5	30.4	30.3	30.2	30.1	29.9	29.7	29.6	29.4	29.2	28.9
-56.25°	29.5	29.4	29.3	29.2	29.0	28.9	28.7	28.6	28.4	28.2	27.9
-57.5°	28.4	28.3	28.2	28.1	28.0	27.8	27.7	27.5	27.3	27.1	26.9
-58.75°	27.3	27.2	27.1	27.0	26.9	26.8	26.6	26.5	26.3	26.1	25.9
-60°	26.2	26.2	26.1	26.0	25.8	25.7	25.6	25.4	25.2	25.1	24.9
-61.25°	25.1	25.1	25.0	24.9	24.8	24.6	24.5	24.4	24.2	24.0	23.7
-62.5°	24.0	23.9	23.8	23.7	23.5	23.4	23.2	23.0	22.8	22.6	22.3
-63.75°	22.5	22.4	22.3	22.2	22.1	21.9	21.7	21.5	21.4	21.1	20.8
-65°	21.0	20.8	20.7	20.6	20.4	20.2	20.0	19.8	19.5	19.3	19.0
-66.25°	19.0	18.9	18.8	18.7	18.5	18.3	18.1	17.9	17.7	17.4	17.2
-67.5°	17.1	17.1	17.0	16.9	16.8	16.6	16.5	16.3	16.2	16.0	15.8
-68.75°	15.6	15.6	15.5	15.4	15.3	15.2	15.0	14.9	14.7	14.6	14.4
-70°	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.4	13.3	13.1	13.0
-71.25°	12.7	12.6	12.5	12.4	12.4	12.2	12.1	12.0	11.9	11.7	11.6
-72.5°	11.2	11.2	11.1	11.1	11.1	11.0	10.9	10.9	10.8	10.7	10.6
-73.75°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.8	9.8
-75°	9.5	9.5	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.3	9.2
-76.25°	9.1	9.1	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.9	8.9
-77.5°	8.7	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.3



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7
-80°	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9
-81.25°	6.3	6.2	6.2	6.2	6.2	6.1	6.1	6.0	6.0	5.9	5.9
-82.5°	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9
-83.75°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1
-85°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
-86.25°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
-87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
-88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
87.5°	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4
86.25°	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2
85°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
83.75°	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
82.5°	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4
81.25°	5.8	5.8	5.7	5.6	5.6	5.5	5.4	5.3	5.3	5.2	5.1
80°	6.9	6.8	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0
78.75°	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.0	6.9
77.5°	8.3	8.3	8.2	8.1	8.1	8.0	8.0	7.9	7.8	7.7	7.7
76.25°	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.5	8.4	8.3	8.2
75°	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7
73.75°	9.7	9.6	9.5	9.4	9.4	9.4	9.3	9.2	9.2	9.1	9.1
72.5°	10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.5	9.4
71.25°	11.4	11.3	11.1	11.0	10.9	10.8	10.6	10.5	10.3	10.2	10.0
70°	12.8	12.6	12.4	12.2	12.0	11.7	11.5	11.3	11.1	10.9	10.8
68.75°	14.2	14.0	13.8	13.5	13.3	13.1	12.8	12.5	12.3	12.0	11.7
67.5°	15.6	15.4	15.1	14.9	14.7	14.4	14.1	13.8	13.5	13.2	12.9
66.25°	17.0	16.8	16.5	16.3	16.0	15.7	15.4	15.1	14.8	14.5	14.1
65°	18.7	18.4	18.1	17.7	17.3	17.0	16.7	16.4	16.1	15.7	15.4
63.75°	20.5	20.2	19.8	19.5	19.1	18.7	18.2	17.8	17.3	17.0	16.6
62.5°	22.1	21.8	21.5	21.2	20.8	20.4	19.9	19.5	19.0	18.5	18.0
61.25°	23.4	23.2	22.9	22.5	22.2	21.9	21.5	21.1	20.6	20.1	19.5
60°	24.7	24.4	24.2	23.9	23.5	23.2	22.8	22.4	22.0	21.6	21.1
58.75°	25.7	25.4	25.2	24.9	24.7	24.4	24.1	23.7	23.2	22.8	22.3
57.5°	26.7	26.4	26.2	25.9	25.6	25.4	25.0	24.7	24.4	24.0	23.5
56.25°	27.7	27.4	27.2	26.9	26.6	26.3	26.0	25.7	25.3	25.0	24.6
55°	28.7	28.4	28.2	27.9	27.6	27.2	26.9	26.6	26.2	25.8	25.5
53.75°	29.7	29.4	29.1	28.8	28.5	28.2	27.8	27.5	27.1	26.7	26.3
52.5°	30.6	30.3	30.0	29.7	29.4	29.1	28.8	28.4	28.0	27.6	27.2
51.25°	31.2	31.1	30.9	30.7	30.3	30.0	29.6	29.3	28.9	28.5	28.0
50°	31.8	31.6	31.4	31.2	31.0	30.8	30.5	30.1	29.7	29.3	28.9
48.75°	32.2	32.1	32.0	31.8	31.6	31.4	31.1	30.9	30.5	30.1	29.7
47.5°	32.4	32.3	32.2	32.1	32.1	31.9	31.6	31.4	31.1	30.8	30.5
46.25°	32.7	32.5	32.4	32.4	32.3	32.2	32.1	31.9	31.6	31.3	31.1
45°	33.0	32.9	32.8	32.6	32.5	32.4	32.3	32.2	32.1	31.8	31.5
43.75°	33.3	33.2	33.1	32.9	32.8	32.6	32.5	32.4	32.2	32.1	32.0
42.5°	33.6	33.5	33.4	33.3	33.1	32.9	32.8	32.6	32.4	32.3	32.2
41.25°	33.8	33.7	33.6	33.5	33.4	33.3	33.1	32.9	32.7	32.5	32.4
40°	34.1	34.0	33.8	33.7	33.6	33.5	33.4	33.2	33.0	32.8	32.6
38.75°	34.5	34.3	34.2	34.0	33.8	33.7	33.6	33.4	33.3	33.1	32.9
37.5°	34.9	34.7	34.5	34.3	34.1	33.9	33.7	33.6	33.5	33.3	33.1
36.25°	35.2	35.0	34.8	34.6	34.4	34.2	34.0	33.8	33.7	33.5	33.4
35°	35.7	35.4	35.2	35.0	34.8	34.5	34.3	34.1	33.9	33.7	33.5



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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	36.4	36.0	35.6	35.3	35.1	34.9	34.6	34.4	34.1	33.9	33.7
32.5°	37.1	36.7	36.3	35.9	35.4	35.2	34.9	34.7	34.4	34.2	33.9
31.25°	38.8	37.8	37.0	36.5	36.0	35.5	35.3	35.0	34.7	34.4	34.2
30°	40.6	39.5	38.3	37.2	36.7	36.2	35.6	35.3	35.0	34.7	34.4
28.75°	43.9	41.2	39.9	38.7	37.4	36.8	36.2	35.7	35.3	35.0	34.7
27.5°	48.9	45.3	41.7	40.3	38.9	37.6	36.8	36.2	35.6	35.3	34.9
26.25°	53.8	50.1	46.3	42.4	40.4	39.0	37.6	36.8	36.2	35.5	35.2
25°	58.9	54.8	50.9	46.8	42.6	40.4	38.9	37.4	36.7	36.0	35.4
23.75°	63.9	59.7	55.4	51.1	46.8	42.4	40.3	38.7	37.2	36.5	35.9
22.5°	69.2	64.5	60.0	55.4	50.9	46.3	41.7	39.9	38.3	37.0	36.3
21.25°	76.9	69.6	64.5	59.7	54.8	50.1	45.3	41.2	39.5	37.8	36.7
20°	92.6	76.9	69.2	63.9	58.9	53.8	48.9	43.9	40.6	38.8	37.1
18.75°	125.0	91.3	74.9	68.1	62.8	57.5	52.3	47.1	42.0	39.9	38.1
17.5°	165.4	120.4	88.2	73.0	66.5	61.1	55.6	50.2	44.9	40.8	39.0
16.25°	210.3	155.8	111.3	83.1	70.7	64.5	58.8	53.2	47.8	42.3	39.9
15°	256.3	194.8	139.9	97.7	76.1	67.7	61.9	56.1	50.4	44.9	40.7
13.75°	301.1	236.1	173.6	121.4	86.6	71.6	64.8	58.9	52.9	47.3	41.5
12.5°	343.9	275.9	208.9	148.0	101.1	76.5	67.5	61.4	55.3	49.5	43.6
11.25°	383.0	313.2	243.0	175.8	120.5	85.1	70.6	63.8	57.6	51.5	45.6
10°	417.0	347.9	275.3	204.2	140.9	93.6	73.5	65.9	59.6	53.3	47.3
8.75°	445.9	378.8	304.4	230.8	162.5	108.7	78.8	67.9	61.4	55.0	48.9
7.5°	469.6	404.5	330.5	254.6	181.5	122.0	84.6	70.0	63.0	56.5	50.3
6.25°	489.5	426.6	353.0	275.5	200.3	134.2	89.6	71.9	64.4	57.8	51.4
5°	504.3	443.5	371.7	292.8	216.0	147.0	95.4	73.4	65.5	58.9	52.4
3.75°	516.1	456.1	385.4	306.4	228.4	157.0	102.4	74.9	66.4	59.7	53.1
2.5°	524.6	465.2	395.2	316.3	237.3	164.2	107.4	77.1	67.0	60.3	53.7
1.25°	529.7	470.7	401.1	322.3	242.7	168.6	110.4	78.4	67.4	60.7	54.0
0°	531.4	472.5	403.1	324.3	244.5	170.0	111.5	78.9	67.5	60.8	54.1
-1.25°	529.7	470.7	401.1	322.3	242.7	168.6	110.4	78.4	67.4	60.7	54.0
-2.5°	524.6	465.2	395.2	316.3	237.3	164.2	107.4	77.1	67.0	60.3	53.7
-3.75°	516.1	456.1	385.4	306.4	228.4	157.0	102.4	74.9	66.4	59.7	53.1
-5°	504.3	443.5	371.7	292.8	216.0	147.0	95.4	73.4	65.5	58.9	52.4
-6.25°	489.5	426.6	353.0	275.5	200.3	134.2	89.6	71.9	64.4	57.8	51.4
-7.5°	469.6	404.5	330.5	254.6	181.5	122.0	84.6	70.0	63.0	56.5	50.3
-8.75°	445.9	378.8	304.4	230.8	162.5	108.7	78.8	67.9	61.4	55.0	48.9
-10°	417.0	347.9	275.3	204.2	140.9	93.6	73.5	65.9	59.6	53.3	47.3
-11.25°	383.0	313.2	243.0	175.8	120.5	85.1	70.6	63.8	57.6	51.5	45.6
-12.5°	343.9	275.9	208.9	148.0	101.1	76.5	67.5	61.4	55.3	49.5	43.6
-13.75°	301.1	236.1	173.6	121.4	86.6	71.6	64.8	58.9	52.9	47.3	41.5
-15°	256.3	194.8	139.9	97.7	76.1	67.7	61.9	56.1	50.4	44.9	40.7
-16.25°	210.3	155.8	111.3	83.1	70.7	64.5	58.8	53.2	47.8	42.3	39.9
-17.5°	165.4	120.4	88.2	73.0	66.5	61.1	55.6	50.2	44.9	40.8	39.0
-18.75°	125.0	91.3	74.9	68.1	62.8	57.5	52.3	47.1	42.0	39.9	38.1
-20°	92.6	76.9	69.2	63.9	58.9	53.8	48.9	43.9	40.6	38.8	37.1
-21.25°	76.9	69.6	64.5	59.7	54.8	50.1	45.3	41.2	39.5	37.8	36.7





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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	69.2	64.5	60.0	55.4	50.9	46.3	41.7	39.9	38.3	37.0	36.3
-23.75°	63.9	59.7	55.4	51.1	46.8	42.4	40.3	38.7	37.2	36.5	35.9
-25°	58.9	54.8	50.9	46.8	42.6	40.4	38.9	37.4	36.7	36.0	35.4
-26.25°	53.8	50.1	46.3	42.4	40.4	39.0	37.6	36.8	36.2	35.5	35.2
-27.5°	48.9	45.3	41.7	40.3	38.9	37.6	36.8	36.2	35.6	35.3	34.9
-28.75°	43.9	41.2	39.9	38.7	37.4	36.8	36.2	35.7	35.3	35.0	34.7
-30°	40.6	39.5	38.3	37.2	36.7	36.2	35.6	35.3	35.0	34.7	34.4
-31.25°	38.8	37.8	37.0	36.5	36.0	35.5	35.3	35.0	34.7	34.4	34.2
-32.5°	37.1	36.7	36.3	35.9	35.4	35.2	34.9	34.7	34.4	34.2	33.9
-33.75°	36.4	36.0	35.6	35.3	35.1	34.9	34.6	34.4	34.1	33.9	33.7
-35°	35.7	35.4	35.2	35.0	34.8	34.5	34.3	34.1	33.9	33.7	33.5
-36.25°	35.2	35.0	34.8	34.6	34.4	34.2	34.0	33.8	33.7	33.5	33.4
-37.5°	34.9	34.7	34.5	34.3	34.1	33.9	33.7	33.6	33.5	33.3	33.1
-38.75°	34.5	34.3	34.2	34.0	33.8	33.7	33.6	33.4	33.3	33.1	32.9
-40°	34.1	34.0	33.8	33.7	33.6	33.5	33.4	33.2	33.0	32.8	32.6
-41.25°	33.8	33.7	33.6	33.5	33.4	33.3	33.1	32.9	32.7	32.5	32.4
-42.5°	33.6	33.5	33.4	33.3	33.1	32.9	32.8	32.6	32.4	32.3	32.2
-43.75°	33.3	33.2	33.1	32.9	32.8	32.6	32.5	32.4	32.2	32.1	32.0
-45°	33.0	32.9	32.8	32.6	32.5	32.4	32.3	32.2	32.1	31.8	31.5
-46.25°	32.7	32.5	32.4	32.4	32.3	32.2	32.1	31.9	31.6	31.3	31.1
-47.5°	32.4	32.3	32.2	32.1	32.1	31.9	31.6	31.4	31.1	30.8	30.5
-48.75°	32.2	32.1	32.0	31.8	31.6	31.4	31.1	30.9	30.5	30.1	29.7
-50°	31.8	31.6	31.4	31.2	31.0	30.8	30.5	30.1	29.7	29.3	28.9
-51.25°	31.2	31.1	30.9	30.7	30.3	30.0	29.6	29.3	28.9	28.5	28.0
-52.5°	30.6	30.3	30.0	29.7	29.4	29.1	28.8	28.4	28.0	27.6	27.2
-53.75°	29.7	29.4	29.1	28.8	28.5	28.2	27.8	27.5	27.1	26.7	26.3
-55°	28.7	28.4	28.2	27.9	27.6	27.2	26.9	26.6	26.2	25.8	25.5
-56.25°	27.7	27.4	27.2	26.9	26.6	26.3	26.0	25.7	25.3	25.0	24.6
-57.5°	26.7	26.4	26.2	25.9	25.6	25.4	25.0	24.7	24.4	24.0	23.5
-58.75°	25.7	25.4	25.2	24.9	24.7	24.4	24.1	23.7	23.2	22.8	22.3
-60°	24.7	24.4	24.2	23.9	23.5	23.2	22.8	22.4	22.0	21.6	21.1
-61.25°	23.4	23.2	22.9	22.5	22.2	21.9	21.5	21.1	20.6	20.1	19.5
-62.5°	22.1	21.8	21.5	21.2	20.8	20.4	19.9	19.5	19.0	18.5	18.0
-63.75°	20.5	20.2	19.8	19.5	19.1	18.7	18.2	17.8	17.3	17.0	16.6
-65°	18.7	18.4	18.1	17.7	17.3	17.0	16.7	16.4	16.1	15.7	15.4
-66.25°	17.0	16.8	16.5	16.3	16.0	15.7	15.4	15.1	14.8	14.5	14.1
-67.5°	15.6	15.4	15.1	14.9	14.7	14.4	14.1	13.8	13.5	13.2	12.9
-68.75°	14.2	14.0	13.8	13.5	13.3	13.1	12.8	12.5	12.3	12.0	11.7
-70°	12.8	12.6	12.4	12.2	12.0	11.7	11.5	11.3	11.1	10.9	10.8
-71.25°	11.4	11.3	11.1	11.0	10.9	10.8	10.6	10.5	10.3	10.2	10.0
-72.5°	10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.5	9.4
-73.75°	9.7	9.6	9.5	9.4	9.4	9.4	9.3	9.2	9.2	9.1	9.1
-75°	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7
-76.25°	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.5	8.4	8.3	8.2
-77.5°	8.3	8.3	8.2	8.1	8.1	8.0	8.0	7.9	7.8	7.7	7.7



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.0	6.9
-80°	6.9	6.8	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0
-81.25°	5.8	5.8	5.7	5.6	5.6	5.5	5.4	5.3	5.3	5.2	5.1
-82.5°	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4
-83.75°	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
-85°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
-86.25°	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-87.5°	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4
-88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
87.5°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
86.25°	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.8
85°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.4
83.75°	3.6	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0
82.5°	4.3	4.3	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.7	3.6
81.25°	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2
80°	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0	4.9	4.8
78.75°	6.8	6.7	6.6	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4
77.5°	7.6	7.5	7.4	7.3	7.2	7.0	6.8	6.7	6.5	6.3	6.2
76.25°	8.1	8.0	7.9	7.9	7.8	7.7	7.6	7.4	7.3	7.1	6.9
75°	8.7	8.6	8.5	8.4	8.3	8.1	8.0	7.9	7.8	7.7	7.6
73.75°	9.0	8.9	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.1	8.0
72.5°	9.3	9.3	9.2	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.4
71.25°	9.9	9.7	9.5	9.4	9.3	9.3	9.2	9.1	9.0	8.9	8.8
70°	10.6	10.4	10.2	10.0	9.8	9.6	9.5	9.4	9.3	9.2	9.1
68.75°	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.6	9.5	9.3
67.5°	12.6	12.2	11.9	11.5	11.2	11.0	10.7	10.5	10.3	10.0	9.7
66.25°	13.8	13.4	13.0	12.7	12.3	11.9	11.5	11.1	10.9	10.6	10.3
65°	15.0	14.6	14.2	13.8	13.4	13.0	12.5	12.1	11.6	11.2	10.9
63.75°	16.2	15.8	15.4	15.0	14.5	14.1	13.6	13.1	12.7	12.2	11.7
62.5°	17.4	17.0	16.5	16.1	15.6	15.2	14.7	14.2	13.7	13.2	12.6
61.25°	19.0	18.4	17.8	17.2	16.7	16.2	15.7	15.2	14.7	14.2	13.6
60°	20.5	19.9	19.3	18.7	18.0	17.3	16.8	16.3	15.7	15.1	14.6
58.75°	21.9	21.4	20.8	20.1	19.4	18.7	18.0	17.3	16.7	16.1	15.5
57.5°	23.0	22.5	22.0	21.5	20.8	20.1	19.4	18.6	17.8	17.1	16.5
56.25°	24.2	23.7	23.1	22.6	22.0	21.4	20.7	19.9	19.1	18.3	17.4
55°	25.1	24.7	24.2	23.7	23.1	22.5	21.9	21.2	20.4	19.5	18.7
53.75°	25.9	25.5	25.1	24.6	24.2	23.5	22.9	22.2	21.5	20.8	19.9
52.5°	26.8	26.3	25.9	25.4	24.9	24.5	23.9	23.2	22.5	21.8	21.0
51.25°	27.6	27.1	26.7	26.2	25.7	25.2	24.7	24.2	23.5	22.7	22.0
50°	28.4	28.0	27.5	27.0	26.5	26.0	25.4	24.9	24.3	23.6	22.9
48.75°	29.2	28.8	28.3	27.8	27.2	26.7	26.2	25.6	25.0	24.5	23.8
47.5°	30.0	29.5	29.0	28.5	28.0	27.4	26.9	26.3	25.7	25.1	24.5
46.25°	30.8	30.3	29.8	29.2	28.7	28.1	27.6	27.0	26.4	25.8	25.1
45°	31.2	30.9	30.5	30.0	29.4	28.9	28.3	27.7	27.0	26.4	25.8
43.75°	31.7	31.4	31.0	30.7	30.1	29.5	28.9	28.3	27.7	27.0	26.4
42.5°	32.1	31.8	31.5	31.1	30.8	30.2	29.6	29.0	28.3	27.7	27.0
41.25°	32.2	32.1	31.9	31.5	31.2	30.8	30.2	29.6	28.9	28.3	27.6
40°	32.4	32.3	32.1	32.0	31.6	31.2	30.8	30.2	29.5	28.9	28.1
38.75°	32.6	32.4	32.3	32.1	32.0	31.6	31.2	30.8	30.1	29.4	28.7
37.5°	32.9	32.7	32.5	32.3	32.1	32.0	31.5	31.1	30.7	30.0	29.2
36.25°	33.2	32.9	32.7	32.5	32.3	32.1	31.9	31.5	31.0	30.5	29.8
35°	33.4	33.2	32.9	32.7	32.4	32.3	32.1	31.8	31.4	30.9	30.3



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	33.5	33.4	33.2	32.9	32.6	32.4	32.2	32.1	31.7	31.2	30.8
32.5°	33.7	33.5	33.4	33.1	32.9	32.6	32.4	32.2	32.0	31.5	31.1
31.25°	33.9	33.7	33.5	33.3	33.1	32.8	32.5	32.3	32.1	31.8	31.3
30°	34.1	33.9	33.7	33.5	33.3	33.0	32.7	32.4	32.2	32.1	31.6
28.75°	34.4	34.1	33.8	33.6	33.4	33.2	32.9	32.6	32.4	32.2	31.9
27.5°	34.6	34.3	34.0	33.7	33.6	33.4	33.1	32.8	32.5	32.3	32.1
26.25°	34.9	34.5	34.2	33.9	33.7	33.5	33.3	32.9	32.6	32.4	32.2
25°	35.1	34.8	34.4	34.1	33.8	33.6	33.4	33.1	32.8	32.5	32.3
23.75°	35.3	35.0	34.6	34.3	34.0	33.7	33.5	33.3	32.9	32.6	32.4
22.5°	35.6	35.2	34.8	34.5	34.2	33.8	33.6	33.4	33.1	32.8	32.4
21.25°	36.0	35.4	35.0	34.7	34.3	34.0	33.7	33.5	33.2	32.9	32.5
20°	36.4	35.7	35.2	34.9	34.5	34.1	33.8	33.6	33.3	33.0	32.7
18.75°	36.8	36.1	35.4	35.0	34.6	34.3	33.9	33.7	33.4	33.2	32.8
17.5°	37.2	36.4	35.7	35.2	34.8	34.4	34.1	33.7	33.5	33.3	32.9
16.25°	38.0	36.8	36.0	35.4	35.0	34.6	34.2	33.8	33.6	33.4	33.0
15°	38.8	37.1	36.3	35.5	35.1	34.7	34.3	33.9	33.6	33.4	33.1
13.75°	39.5	37.6	36.6	35.8	35.2	34.8	34.4	34.0	33.7	33.5	33.2
12.5°	40.2	38.2	36.8	36.0	35.4	34.9	34.5	34.1	33.8	33.5	33.3
11.25°	40.9	38.8	37.0	36.2	35.5	35.0	34.6	34.2	33.8	33.6	33.3
10°	41.4	39.4	37.3	36.4	35.6	35.1	34.7	34.3	33.9	33.6	33.4
8.75°	42.8	39.9	37.8	36.6	35.8	35.2	34.8	34.4	34.0	33.7	33.4
7.5°	44.1	40.3	38.2	36.8	35.9	35.3	34.8	34.4	34.0	33.7	33.5
6.25°	45.2	40.7	38.6	36.9	36.1	35.4	34.9	34.5	34.1	33.7	33.5
5°	46.2	41.0	38.8	37.0	36.2	35.4	35.0	34.5	34.1	33.8	33.5
3.75°	46.9	41.2	39.1	37.1	36.2	35.4	35.0	34.6	34.2	33.8	33.5
2.5°	47.4	41.4	39.2	37.2	36.3	35.5	35.0	34.6	34.2	33.8	33.5
1.25°	47.7	41.5	39.3	37.2	36.3	35.5	35.0	34.6	34.2	33.8	33.5
0°	47.8	41.5	39.4	37.2	36.4	35.5	35.1	34.6	34.2	33.8	33.6
-1.25°	47.7	41.5	39.3	37.2	36.3	35.5	35.0	34.6	34.2	33.8	33.5
-2.5°	47.4	41.4	39.2	37.2	36.3	35.5	35.0	34.6	34.2	33.8	33.5
-3.75°	46.9	41.2	39.1	37.1	36.2	35.4	35.0	34.6	34.2	33.8	33.5
-5°	46.2	41.0	38.8	37.0	36.2	35.4	35.0	34.5	34.1	33.8	33.5
-6.25°	45.2	40.7	38.6	36.9	36.1	35.4	34.9	34.5	34.1	33.7	33.5
-7.5°	44.1	40.3	38.2	36.8	35.9	35.3	34.8	34.4	34.0	33.7	33.5
-8.75°	42.8	39.9	37.8	36.6	35.8	35.2	34.8	34.4	34.0	33.7	33.4
-10°	41.4	39.4	37.3	36.4	35.6	35.1	34.7	34.3	33.9	33.6	33.4
-11.25°	40.9	38.8	37.0	36.2	35.5	35.0	34.6	34.2	33.8	33.6	33.3
-12.5°	40.2	38.2	36.8	36.0	35.4	34.9	34.5	34.1	33.8	33.5	33.3
-13.75°	39.5	37.6	36.6	35.8	35.2	34.8	34.4	34.0	33.7	33.5	33.2
-15°	38.8	37.1	36.3	35.5	35.1	34.7	34.3	33.9	33.6	33.4	33.1
-16.25°	38.0	36.8	36.0	35.4	35.0	34.6	34.2	33.8	33.6	33.4	33.0
-17.5°	37.2	36.4	35.7	35.2	34.8	34.4	34.1	33.7	33.5	33.3	32.9
-18.75°	36.8	36.1	35.4	35.0	34.6	34.3	33.9	33.7	33.4	33.2	32.8
-20°	36.4	35.7	35.2	34.9	34.5	34.1	33.8	33.6	33.3	33.0	32.7
-21.25°	36.0	35.4	35.0	34.7	34.3	34.0	33.7	33.5	33.2	32.9	32.5



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	35.6	35.2	34.8	34.5	34.2	33.8	33.6	33.4	33.1	32.8	32.4
-23.75°	35.3	35.0	34.6	34.3	34.0	33.7	33.5	33.3	32.9	32.6	32.4
-25°	35.1	34.8	34.4	34.1	33.8	33.6	33.4	33.1	32.8	32.5	32.3
-26.25°	34.9	34.5	34.2	33.9	33.7	33.5	33.3	32.9	32.6	32.4	32.2
-27.5°	34.6	34.3	34.0	33.7	33.6	33.4	33.1	32.8	32.5	32.3	32.1
-28.75°	34.4	34.1	33.8	33.6	33.4	33.2	32.9	32.6	32.4	32.2	31.9
-30°	34.1	33.9	33.7	33.5	33.3	33.0	32.7	32.4	32.2	32.1	31.6
-31.25°	33.9	33.7	33.5	33.3	33.1	32.8	32.5	32.3	32.1	31.8	31.3
-32.5°	33.7	33.5	33.4	33.1	32.9	32.6	32.4	32.2	32.0	31.5	31.1
-33.75°	33.5	33.4	33.2	32.9	32.6	32.4	32.2	32.1	31.7	31.2	30.8
-35°	33.4	33.2	32.9	32.7	32.4	32.3	32.1	31.8	31.4	30.9	30.3
-36.25°	33.2	32.9	32.7	32.5	32.3	32.1	31.9	31.5	31.0	30.5	29.8
-37.5°	32.9	32.7	32.5	32.3	32.1	32.0	31.5	31.1	30.7	30.0	29.2
-38.75°	32.6	32.4	32.3	32.1	32.0	31.6	31.2	30.8	30.1	29.4	28.7
-40°	32.4	32.3	32.1	32.0	31.6	31.2	30.8	30.2	29.5	28.9	28.1
-41.25°	32.2	32.1	31.9	31.5	31.2	30.8	30.2	29.6	28.9	28.3	27.6
-42.5°	32.1	31.8	31.5	31.1	30.8	30.2	29.6	29.0	28.3	27.7	27.0
-43.75°	31.7	31.4	31.0	30.7	30.1	29.5	28.9	28.3	27.7	27.0	26.4
-45°	31.2	30.9	30.5	30.0	29.4	28.9	28.3	27.7	27.0	26.4	25.8
-46.25°	30.8	30.3	29.8	29.2	28.7	28.1	27.6	27.0	26.4	25.8	25.1
-47.5°	30.0	29.5	29.0	28.5	28.0	27.4	26.9	26.3	25.7	25.1	24.5
-48.75°	29.2	28.8	28.3	27.8	27.2	26.7	26.2	25.6	25.0	24.5	23.8
-50°	28.4	28.0	27.5	27.0	26.5	26.0	25.4	24.9	24.3	23.6	22.9
-51.25°	27.6	27.1	26.7	26.2	25.7	25.2	24.7	24.2	23.5	22.7	22.0
-52.5°	26.8	26.3	25.9	25.4	24.9	24.5	23.9	23.2	22.5	21.8	21.0
-53.75°	25.9	25.5	25.1	24.6	24.2	23.5	22.9	22.2	21.5	20.8	19.9
-55°	25.1	24.7	24.2	23.7	23.1	22.5	21.9	21.2	20.4	19.5	18.7
-56.25°	24.2	23.7	23.1	22.6	22.0	21.4	20.7	19.9	19.1	18.3	17.4
-57.5°	23.0	22.5	22.0	21.5	20.8	20.1	19.4	18.6	17.8	17.1	16.5
-58.75°	21.9	21.4	20.8	20.1	19.4	18.7	18.0	17.3	16.7	16.1	15.5
-60°	20.5	19.9	19.3	18.7	18.0	17.3	16.8	16.3	15.7	15.1	14.6
-61.25°	19.0	18.4	17.8	17.2	16.7	16.2	15.7	15.2	14.7	14.2	13.6
-62.5°	17.4	17.0	16.5	16.1	15.6	15.2	14.7	14.2	13.7	13.2	12.6
-63.75°	16.2	15.8	15.4	15.0	14.5	14.1	13.6	13.1	12.7	12.2	11.7
-65°	15.0	14.6	14.2	13.8	13.4	13.0	12.5	12.1	11.6	11.2	10.9
-66.25°	13.8	13.4	13.0	12.7	12.3	11.9	11.5	11.1	10.9	10.6	10.3
-67.5°	12.6	12.2	11.9	11.5	11.2	11.0	10.7	10.5	10.3	10.0	9.7
-68.75°	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.6	9.5	9.3
-70°	10.6	10.4	10.2	10.0	9.8	9.6	9.5	9.4	9.3	9.2	9.1
-71.25°	9.9	9.7	9.5	9.4	9.3	9.3	9.2	9.1	9.0	8.9	8.8
-72.5°	9.3	9.3	9.2	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.4
-73.75°	9.0	8.9	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.1	8.0
-75°	8.7	8.6	8.5	8.4	8.3	8.1	8.0	7.9	7.8	7.7	7.6
-76.25°	8.1	8.0	7.9	7.9	7.8	7.7	7.6	7.4	7.3	7.1	6.9
-77.5°	7.6	7.5	7.4	7.3	7.2	7.0	6.8	6.7	6.5	6.3	6.2



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	6.8	6.7	6.6	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4
-80°	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0	4.9	4.8
-81.25°	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2
-82.5°	4.3	4.3	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.7	3.6
-83.75°	3.6	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0
-85°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.4
-86.25°	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.8
-87.5°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
87.5°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8
86.25°	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3
85°	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.8	1.7
83.75°	2.9	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1
82.5°	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
81.25°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0
80°	4.7	4.6	4.5	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5
78.75°	5.3	5.1	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9
77.5°	6.0	5.8	5.6	5.5	5.3	5.1	4.9	4.8	4.6	4.5	4.3
76.25°	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.7
75°	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.9	5.6	5.4	5.2
73.75°	7.9	7.7	7.6	7.4	7.2	7.0	6.7	6.5	6.2	5.9	5.7
72.5°	8.3	8.1	8.0	7.8	7.7	7.5	7.3	7.1	6.8	6.5	6.2
71.25°	8.7	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.4	7.0	6.7
70°	9.0	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.7	7.5	7.3
68.75°	9.2	9.1	9.0	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.6
67.5°	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.6	8.4	8.2	7.9
66.25°	10.1	9.8	9.5	9.4	9.2	9.1	9.0	8.8	8.7	8.5	8.2
65°	10.6	10.3	10.0	9.7	9.5	9.3	9.2	9.0	8.9	8.8	8.5
63.75°	11.2	10.9	10.6	10.3	9.9	9.6	9.4	9.3	9.1	8.9	8.8
62.5°	12.1	11.6	11.1	10.8	10.5	10.1	9.8	9.5	9.3	9.1	9.0
61.25°	13.1	12.5	11.9	11.3	11.0	10.6	10.2	9.9	9.5	9.3	9.2
60°	14.0	13.4	12.8	12.2	11.6	11.1	10.7	10.3	9.9	9.5	9.3
58.75°	14.9	14.3	13.7	13.0	12.4	11.7	11.2	10.8	10.4	9.9	9.5
57.5°	15.8	15.2	14.5	13.9	13.2	12.5	11.8	11.2	10.8	10.4	9.9
56.25°	16.8	16.1	15.4	14.7	14.0	13.3	12.6	11.9	11.2	10.8	10.3
55°	17.8	17.0	16.3	15.5	14.8	14.1	13.3	12.6	11.8	11.2	10.7
53.75°	18.9	18.0	17.1	16.4	15.6	14.9	14.1	13.3	12.5	11.7	11.1
52.5°	20.1	19.1	18.1	17.2	16.4	15.6	14.8	14.0	13.2	12.4	11.6
51.25°	21.2	20.2	19.2	18.2	17.2	16.4	15.5	14.7	13.9	13.0	12.2
50°	22.1	21.3	20.3	19.2	18.1	17.1	16.3	15.4	14.5	13.7	12.8
48.75°	22.9	22.1	21.3	20.2	19.1	18.0	17.0	16.1	15.2	14.3	13.4
47.5°	23.8	22.9	22.1	21.2	20.1	18.9	17.8	16.8	15.8	14.9	14.0
46.25°	24.5	23.8	22.9	22.0	21.0	19.9	18.7	17.4	16.5	15.5	14.6
45°	25.1	24.5	23.6	22.7	21.8	20.8	19.5	18.3	17.1	16.1	15.1
43.75°	25.7	25.0	24.3	23.5	22.5	21.5	20.4	19.1	17.8	16.7	15.7
42.5°	26.3	25.6	24.9	24.2	23.2	22.2	21.2	19.9	18.6	17.3	16.3
41.25°	26.9	26.2	25.4	24.7	23.9	22.9	21.9	20.7	19.4	18.0	16.8
40°	27.4	26.7	26.0	25.2	24.5	23.5	22.5	21.4	20.1	18.7	17.3
38.75°	28.0	27.2	26.5	25.7	24.9	24.2	23.1	22.0	20.8	19.4	18.0
37.5°	28.5	27.8	27.0	26.2	25.4	24.6	23.7	22.6	21.5	20.1	18.7
36.25°	29.0	28.3	27.5	26.7	25.9	25.1	24.2	23.1	22.0	20.8	19.3
35°	29.5	28.8	28.0	27.1	26.3	25.5	24.7	23.7	22.5	21.4	19.9



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	30.0	29.2	28.4	27.6	26.8	25.9	25.1	24.2	23.0	21.9	20.5
32.5°	30.5	29.7	28.9	28.0	27.2	26.3	25.5	24.6	23.5	22.3	21.1
31.25°	30.8	30.1	29.3	28.5	27.6	26.7	25.8	25.0	24.0	22.8	21.6
30°	31.1	30.5	29.7	28.9	28.0	27.1	26.2	25.3	24.4	23.2	22.0
28.75°	31.4	30.9	30.1	29.3	28.4	27.5	26.6	25.7	24.7	23.7	22.4
27.5°	31.6	31.1	30.5	29.6	28.8	27.8	26.9	26.0	25.0	24.1	22.8
26.25°	31.9	31.4	30.8	30.0	29.1	28.2	27.2	26.3	25.4	24.4	23.2
25°	32.1	31.6	31.0	30.3	29.4	28.5	27.6	26.6	25.6	24.7	23.5
23.75°	32.1	31.8	31.2	30.7	29.7	28.8	27.9	26.9	25.9	24.9	23.9
22.5°	32.2	32.0	31.4	30.9	30.0	29.1	28.2	27.2	26.2	25.2	24.2
21.25°	32.3	32.1	31.6	31.1	30.3	29.4	28.4	27.4	26.4	25.4	24.4
20°	32.4	32.2	31.8	31.2	30.6	29.7	28.7	27.7	26.7	25.7	24.7
18.75°	32.5	32.2	32.0	31.4	30.8	29.9	28.9	27.9	26.9	25.9	24.9
17.5°	32.5	32.3	32.1	31.6	31.0	30.1	29.2	28.2	27.1	26.1	25.1
16.25°	32.6	32.4	32.1	31.7	31.1	30.4	29.4	28.4	27.3	26.3	25.2
15°	32.7	32.4	32.2	31.8	31.2	30.6	29.6	28.6	27.5	26.5	25.4
13.75°	32.8	32.5	32.2	32.0	31.4	30.7	29.7	28.7	27.7	26.6	25.6
12.5°	32.9	32.5	32.3	32.0	31.5	30.8	29.9	28.9	27.8	26.8	25.7
11.25°	33.0	32.6	32.3	32.1	31.6	30.9	30.1	29.0	28.0	26.9	25.8
10°	33.0	32.7	32.4	32.1	31.7	31.0	30.2	29.2	28.1	27.0	26.0
8.75°	33.1	32.7	32.4	32.1	31.7	31.1	30.3	29.3	28.2	27.1	26.1
7.5°	33.2	32.8	32.4	32.2	31.8	31.2	30.4	29.4	28.3	27.2	26.2
6.25°	33.2	32.8	32.4	32.2	31.9	31.2	30.5	29.5	28.4	27.3	26.2
5°	33.2	32.8	32.5	32.2	31.9	31.3	30.6	29.5	28.5	27.4	26.3
3.75°	33.3	32.9	32.5	32.2	32.0	31.3	30.6	29.6	28.5	27.4	26.3
2.5°	33.3	32.9	32.5	32.2	32.0	31.3	30.7	29.6	28.6	27.5	26.4
1.25°	33.3	32.9	32.5	32.2	32.0	31.3	30.7	29.6	28.6	27.5	26.4
0°	33.3	32.9	32.5	32.3	32.0	31.4	30.7	29.7	28.6	27.5	26.4
-1.25°	33.3	32.9	32.5	32.2	32.0	31.3	30.7	29.6	28.6	27.5	26.4
-2.5°	33.3	32.9	32.5	32.2	32.0	31.3	30.7	29.6	28.6	27.5	26.4
-3.75°	33.3	32.9	32.5	32.2	32.0	31.3	30.6	29.6	28.5	27.4	26.3
-5°	33.2	32.8	32.5	32.2	31.9	31.3	30.6	29.5	28.5	27.4	26.3
-6.25°	33.2	32.8	32.4	32.2	31.9	31.2	30.5	29.5	28.4	27.3	26.2
-7.5°	33.2	32.8	32.4	32.2	31.8	31.2	30.4	29.4	28.3	27.2	26.2
-8.75°	33.1	32.7	32.4	32.1	31.7	31.1	30.3	29.3	28.2	27.1	26.1
-10°	33.0	32.7	32.4	32.1	31.7	31.0	30.2	29.2	28.1	27.0	26.0
-11.25°	33.0	32.6	32.3	32.1	31.6	30.9	30.1	29.0	28.0	26.9	25.8
-12.5°	32.9	32.5	32.3	32.0	31.5	30.8	29.9	28.9	27.8	26.8	25.7
-13.75°	32.8	32.5	32.2	32.0	31.4	30.7	29.7	28.7	27.7	26.6	25.6
-15°	32.7	32.4	32.2	31.8	31.2	30.6	29.6	28.6	27.5	26.5	25.4
-16.25°	32.6	32.4	32.1	31.7	31.1	30.4	29.4	28.4	27.3	26.3	25.2
-17.5°	32.5	32.3	32.1	31.6	31.0	30.1	29.2	28.2	27.1	26.1	25.1
-18.75°	32.5	32.2	32.0	31.4	30.8	29.9	28.9	27.9	26.9	25.9	24.9
-20°	32.4	32.2	31.8	31.2	30.6	29.7	28.7	27.7	26.7	25.7	24.7
-21.25°	32.3	32.1	31.6	31.1	30.3	29.4	28.4	27.4	26.4	25.4	24.4





REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	32.2	32.0	31.4	30.9	30.0	29.1	28.2	27.2	26.2	25.2	24.2
-23.75°	32.1	31.8	31.2	30.7	29.7	28.8	27.9	26.9	25.9	24.9	23.9
-25°	32.1	31.6	31.0	30.3	29.4	28.5	27.6	26.6	25.6	24.7	23.5
-26.25°	31.9	31.4	30.8	30.0	29.1	28.2	27.2	26.3	25.4	24.4	23.2
-27.5°	31.6	31.1	30.5	29.6	28.8	27.8	26.9	26.0	25.0	24.1	22.8
-28.75°	31.4	30.9	30.1	29.3	28.4	27.5	26.6	25.7	24.7	23.7	22.4
-30°	31.1	30.5	29.7	28.9	28.0	27.1	26.2	25.3	24.4	23.2	22.0
-31.25°	30.8	30.1	29.3	28.5	27.6	26.7	25.8	25.0	24.0	22.8	21.6
-32.5°	30.5	29.7	28.9	28.0	27.2	26.3	25.5	24.6	23.5	22.3	21.1
-33.75°	30.0	29.2	28.4	27.6	26.8	25.9	25.1	24.2	23.0	21.9	20.5
-35°	29.5	28.8	28.0	27.1	26.3	25.5	24.7	23.7	22.5	21.4	19.9
-36.25°	29.0	28.3	27.5	26.7	25.9	25.1	24.2	23.1	22.0	20.8	19.3
-37.5°	28.5	27.8	27.0	26.2	25.4	24.6	23.7	22.6	21.5	20.1	18.7
-38.75°	28.0	27.2	26.5	25.7	24.9	24.2	23.1	22.0	20.8	19.4	18.0
-40°	27.4	26.7	26.0	25.2	24.5	23.5	22.5	21.4	20.1	18.7	17.3
-41.25°	26.9	26.2	25.4	24.7	23.9	22.9	21.9	20.7	19.4	18.0	16.8
-42.5°	26.3	25.6	24.9	24.2	23.2	22.2	21.2	19.9	18.6	17.3	16.3
-43.75°	25.7	25.0	24.3	23.5	22.5	21.5	20.4	19.1	17.8	16.7	15.7
-45°	25.1	24.5	23.6	22.7	21.8	20.8	19.5	18.3	17.1	16.1	15.1
-46.25°	24.5	23.8	22.9	22.0	21.0	19.9	18.7	17.4	16.5	15.5	14.6
-47.5°	23.8	22.9	22.1	21.2	20.1	18.9	17.8	16.8	15.8	14.9	14.0
-48.75°	22.9	22.1	21.3	20.2	19.1	18.0	17.0	16.1	15.2	14.3	13.4
-50°	22.1	21.3	20.3	19.2	18.1	17.1	16.3	15.4	14.5	13.7	12.8
-51.25°	21.2	20.2	19.2	18.2	17.2	16.4	15.5	14.7	13.9	13.0	12.2
-52.5°	20.1	19.1	18.1	17.2	16.4	15.6	14.8	14.0	13.2	12.4	11.6
-53.75°	18.9	18.0	17.1	16.4	15.6	14.9	14.1	13.3	12.5	11.7	11.1
-55°	17.8	17.0	16.3	15.5	14.8	14.1	13.3	12.6	11.8	11.2	10.7
-56.25°	16.8	16.1	15.4	14.7	14.0	13.3	12.6	11.9	11.2	10.8	10.3
-57.5°	15.8	15.2	14.5	13.9	13.2	12.5	11.8	11.2	10.8	10.4	9.9
-58.75°	14.9	14.3	13.7	13.0	12.4	11.7	11.2	10.8	10.4	9.9	9.5
-60°	14.0	13.4	12.8	12.2	11.6	11.1	10.7	10.3	9.9	9.5	9.3
-61.25°	13.1	12.5	11.9	11.3	11.0	10.6	10.2	9.9	9.5	9.3	9.2
-62.5°	12.1	11.6	11.1	10.8	10.5	10.1	9.8	9.5	9.3	9.1	9.0
-63.75°	11.2	10.9	10.6	10.3	9.9	9.6	9.4	9.3	9.1	8.9	8.8
-65°	10.6	10.3	10.0	9.7	9.5	9.3	9.2	9.0	8.9	8.8	8.5
-66.25°	10.1	9.8	9.5	9.4	9.2	9.1	9.0	8.8	8.7	8.5	8.2
-67.5°	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.6	8.4	8.2	7.9
-68.75°	9.2	9.1	9.0	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.6
-70°	9.0	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.7	7.5	7.3
-71.25°	8.7	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.4	7.0	6.7
-72.5°	8.3	8.1	8.0	7.8	7.7	7.5	7.3	7.1	6.8	6.5	6.2
-73.75°	7.9	7.7	7.6	7.4	7.2	7.0	6.7	6.5	6.2	5.9	5.7
-75°	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.9	5.6	5.4	5.2
-76.25°	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.7
-77.5°	6.0	5.8	5.6	5.5	5.3	5.1	4.9	4.8	4.6	4.5	4.3



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	5.3	5.1	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9
-80°	4.7	4.6	4.5	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5
-81.25°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0
-82.5°	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-83.75°	2.9	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1
-85°	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.8	1.7
-86.25°	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3
-87.5°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8
-88.75°	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-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°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2
87.5°	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5
86.25°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
85°	1.6	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0
83.75°	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2
82.5°	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4
81.25°	2.9	2.8	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
80°	3.3	3.2	3.1	2.9	2.8	2.6	2.5	2.4	2.2	2.1	1.9
78.75°	3.8	3.6	3.5	3.3	3.1	3.0	2.8	2.7	2.5	2.3	2.2
77.5°	4.2	4.0	3.8	3.7	3.5	3.3	3.1	3.0	2.8	2.6	2.4
76.25°	4.6	4.4	4.2	4.0	3.8	3.6	3.5	3.3	3.1	2.9	2.6
75°	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.1	2.9
73.75°	5.4	5.1	4.9	4.7	4.5	4.3	4.1	3.8	3.6	3.4	3.1
72.5°	5.9	5.6	5.3	5.1	4.8	4.6	4.4	4.1	3.9	3.6	3.4
71.25°	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.4	4.1	3.9	3.6
70°	6.9	6.6	6.3	5.9	5.6	5.2	4.9	4.7	4.4	4.1	3.8
68.75°	7.4	7.1	6.7	6.4	6.0	5.6	5.2	4.9	4.6	4.4	4.1
67.5°	7.7	7.5	7.2	6.8	6.4	6.0	5.6	5.2	4.9	4.6	4.3
66.25°	8.0	7.8	7.5	7.2	6.8	6.4	6.0	5.6	5.2	4.8	4.5
65°	8.3	8.1	7.8	7.6	7.2	6.8	6.4	5.9	5.5	5.1	4.7
63.75°	8.6	8.3	8.1	7.8	7.5	7.2	6.7	6.3	5.8	5.3	4.9
62.5°	8.8	8.6	8.3	8.1	7.8	7.5	7.1	6.6	6.1	5.6	5.1
61.25°	9.0	8.8	8.6	8.3	8.0	7.7	7.4	6.9	6.4	5.9	5.4
60°	9.2	9.0	8.8	8.5	8.2	7.9	7.6	7.3	6.7	6.2	5.7
58.75°	9.3	9.1	8.9	8.8	8.5	8.2	7.8	7.5	7.0	6.5	5.9
57.5°	9.5	9.3	9.1	8.9	8.7	8.4	8.0	7.7	7.4	6.8	6.2
56.25°	9.9	9.5	9.3	9.0	8.8	8.6	8.2	7.9	7.5	7.1	6.5
55°	10.2	9.8	9.4	9.2	9.0	8.8	8.4	8.1	7.7	7.3	6.7
53.75°	10.6	10.1	9.6	9.3	9.1	8.9	8.6	8.3	7.9	7.5	7.0
52.5°	11.0	10.5	9.9	9.5	9.2	9.0	8.8	8.4	8.1	7.7	7.2
51.25°	11.3	10.8	10.3	9.7	9.4	9.1	8.9	8.6	8.2	7.8	7.4
50°	11.9	11.1	10.6	10.0	9.5	9.3	9.0	8.8	8.4	8.0	7.6
48.75°	12.5	11.6	10.9	10.3	9.8	9.4	9.1	8.9	8.6	8.1	7.7
47.5°	13.1	12.1	11.2	10.6	10.1	9.5	9.2	9.0	8.7	8.3	7.9
46.25°	13.6	12.6	11.7	10.9	10.3	9.7	9.3	9.1	8.8	8.4	8.0
45°	14.2	13.2	12.2	11.2	10.6	10.0	9.5	9.2	8.9	8.6	8.1
43.75°	14.7	13.7	12.7	11.6	10.9	10.3	9.6	9.3	9.0	8.7	8.3
42.5°	15.2	14.2	13.1	12.1	11.1	10.5	9.9	9.4	9.1	8.8	8.4
41.25°	15.7	14.7	13.6	12.5	11.5	10.7	10.1	9.5	9.2	8.9	8.5
40°	16.2	15.2	14.1	13.0	11.9	11.0	10.3	9.6	9.3	9.0	8.6
38.75°	16.7	15.6	14.5	13.4	12.3	11.2	10.5	9.8	9.3	9.0	8.7
37.5°	17.2	16.1	15.0	13.8	12.7	11.5	10.7	10.0	9.4	9.1	8.8
36.25°	17.8	16.5	15.4	14.2	13.0	11.9	10.9	10.2	9.5	9.2	8.9
35°	18.4	17.0	15.8	14.6	13.4	12.2	11.1	10.4	9.7	9.3	8.9



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	19.0	17.4	16.2	15.0	13.8	12.6	11.3	10.6	9.9	9.3	9.0
32.5°	19.5	18.0	16.6	15.4	14.1	12.9	11.7	10.8	10.0	9.4	9.1
31.25°	20.1	18.5	17.0	15.7	14.5	13.2	12.0	10.9	10.2	9.5	9.1
30°	20.6	19.0	17.3	16.1	14.8	13.5	12.3	11.1	10.3	9.6	9.2
28.75°	21.1	19.5	17.8	16.4	15.1	13.8	12.5	11.3	10.5	9.7	9.2
27.5°	21.5	19.9	18.2	16.7	15.4	14.1	12.8	11.5	10.6	9.8	9.3
26.25°	21.9	20.4	18.7	17.0	15.7	14.4	13.1	11.7	10.8	10.0	9.4
25°	22.2	20.8	19.1	17.3	16.0	14.7	13.3	12.0	10.9	10.1	9.4
23.75°	22.5	21.2	19.5	17.7	16.3	14.9	13.5	12.2	11.0	10.2	9.4
22.5°	22.9	21.5	19.8	18.1	16.5	15.1	13.8	12.4	11.1	10.3	9.5
21.25°	23.2	21.8	20.2	18.4	16.8	15.4	14.0	12.6	11.3	10.4	9.6
20°	23.4	22.1	20.5	18.7	17.0	15.6	14.2	12.8	11.4	10.5	9.7
18.75°	23.7	22.3	20.8	19.0	17.2	15.8	14.4	13.0	11.6	10.6	9.8
17.5°	24.0	22.6	21.1	19.3	17.4	16.0	14.6	13.1	11.7	10.7	9.8
16.25°	24.2	22.8	21.4	19.5	17.7	16.2	14.7	13.3	11.9	10.8	9.9
15°	24.4	23.0	21.5	19.8	17.9	16.3	14.9	13.4	12.0	10.9	10.0
13.75°	24.5	23.2	21.7	20.0	18.1	16.5	15.0	13.6	12.1	10.9	10.1
12.5°	24.6	23.4	21.9	20.2	18.3	16.6	15.2	13.7	12.2	11.0	10.1
11.25°	24.8	23.5	22.1	20.4	18.5	16.8	15.3	13.8	12.4	11.1	10.2
10°	24.9	23.7	22.2	20.6	18.7	16.9	15.4	13.9	12.4	11.1	10.2
8.75°	25.0	23.8	22.3	20.7	18.8	17.0	15.5	14.0	12.5	11.1	10.3
7.5°	25.1	23.9	22.4	20.8	18.9	17.1	15.6	14.1	12.6	11.2	10.3
6.25°	25.1	24.0	22.5	21.0	19.0	17.1	15.6	14.2	12.7	11.2	10.3
5°	25.2	24.1	22.6	21.0	19.1	17.2	15.7	14.2	12.7	11.3	10.4
3.75°	25.2	24.1	22.6	21.1	19.2	17.2	15.7	14.2	12.8	11.3	10.4
2.5°	25.3	24.2	22.7	21.2	19.2	17.3	15.8	14.3	12.8	11.3	10.4
1.25°	25.3	24.2	22.7	21.2	19.2	17.3	15.8	14.3	12.8	11.3	10.4
0°	25.3	24.2	22.7	21.2	19.3	17.3	15.8	14.3	12.8	11.3	10.4
-1.25°	25.3	24.2	22.7	21.2	19.2	17.3	15.8	14.3	12.8	11.3	10.4
-2.5°	25.3	24.2	22.7	21.2	19.2	17.3	15.8	14.3	12.8	11.3	10.4
-3.75°	25.2	24.1	22.6	21.1	19.2	17.2	15.7	14.2	12.8	11.3	10.4
-5°	25.2	24.1	22.6	21.0	19.1	17.2	15.7	14.2	12.7	11.3	10.4
-6.25°	25.1	24.0	22.5	21.0	19.0	17.1	15.6	14.2	12.7	11.2	10.3
-7.5°	25.1	23.9	22.4	20.8	18.9	17.1	15.6	14.1	12.6	11.2	10.3
-8.75°	25.0	23.8	22.3	20.7	18.8	17.0	15.5	14.0	12.5	11.1	10.3
-10°	24.9	23.7	22.2	20.6	18.7	16.9	15.4	13.9	12.4	11.1	10.2
-11.25°	24.8	23.5	22.1	20.4	18.5	16.8	15.3	13.8	12.4	11.1	10.2
-12.5°	24.6	23.4	21.9	20.2	18.3	16.6	15.2	13.7	12.2	11.0	10.1
-13.75°	24.5	23.2	21.7	20.0	18.1	16.5	15.0	13.6	12.1	10.9	10.1
-15°	24.4	23.0	21.5	19.8	17.9	16.3	14.9	13.4	12.0	10.9	10.0
-16.25°	24.2	22.8	21.4	19.5	17.7	16.2	14.7	13.3	11.9	10.8	9.9
-17.5°	24.0	22.6	21.1	19.3	17.4	16.0	14.6	13.1	11.7	10.7	9.8
-18.75°	23.7	22.3	20.8	19.0	17.2	15.8	14.4	13.0	11.6	10.6	9.8
-20°	23.4	22.1	20.5	18.7	17.0	15.6	14.2	12.8	11.4	10.5	9.7
-21.25°	23.2	21.8	20.2	18.4	16.8	15.4	14.0	12.6	11.3	10.4	9.6



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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	22.9	21.5	19.8	18.1	16.5	15.1	13.8	12.4	11.1	10.3	9.5
-23.75°	22.5	21.2	19.5	17.7	16.3	14.9	13.5	12.2	11.0	10.2	9.4
-25°	22.2	20.8	19.1	17.3	16.0	14.7	13.3	12.0	10.9	10.1	9.4
-26.25°	21.9	20.4	18.7	17.0	15.7	14.4	13.1	11.7	10.8	10.0	9.4
-27.5°	21.5	19.9	18.2	16.7	15.4	14.1	12.8	11.5	10.6	9.8	9.3
-28.75°	21.1	19.5	17.8	16.4	15.1	13.8	12.5	11.3	10.5	9.7	9.2
-30°	20.6	19.0	17.3	16.1	14.8	13.5	12.3	11.1	10.3	9.6	9.2
-31.25°	20.1	18.5	17.0	15.7	14.5	13.2	12.0	10.9	10.2	9.5	9.1
-32.5°	19.5	18.0	16.6	15.4	14.1	12.9	11.7	10.8	10.0	9.4	9.1
-33.75°	19.0	17.4	16.2	15.0	13.8	12.6	11.3	10.6	9.9	9.3	9.0
-35°	18.4	17.0	15.8	14.6	13.4	12.2	11.1	10.4	9.7	9.3	8.9
-36.25°	17.8	16.5	15.4	14.2	13.0	11.9	10.9	10.2	9.5	9.2	8.9
-37.5°	17.2	16.1	15.0	13.8	12.7	11.5	10.7	10.0	9.4	9.1	8.8
-38.75°	16.7	15.6	14.5	13.4	12.3	11.2	10.5	9.8	9.3	9.0	8.7
-40°	16.2	15.2	14.1	13.0	11.9	11.0	10.3	9.6	9.3	9.0	8.6
-41.25°	15.7	14.7	13.6	12.5	11.5	10.7	10.1	9.5	9.2	8.9	8.5
-42.5°	15.2	14.2	13.1	12.1	11.1	10.5	9.9	9.4	9.1	8.8	8.4
-43.75°	14.7	13.7	12.7	11.6	10.9	10.3	9.6	9.3	9.0	8.7	8.3
-45°	14.2	13.2	12.2	11.2	10.6	10.0	9.5	9.2	8.9	8.6	8.1
-46.25°	13.6	12.6	11.7	10.9	10.3	9.7	9.3	9.1	8.8	8.4	8.0
-47.5°	13.1	12.1	11.2	10.6	10.1	9.5	9.2	9.0	8.7	8.3	7.9
-48.75°	12.5	11.6	10.9	10.3	9.8	9.4	9.1	8.9	8.6	8.1	7.7
-50°	11.9	11.1	10.6	10.0	9.5	9.3	9.0	8.8	8.4	8.0	7.6
-51.25°	11.3	10.8	10.3	9.7	9.4	9.1	8.9	8.6	8.2	7.8	7.4
-52.5°	11.0	10.5	9.9	9.5	9.2	9.0	8.8	8.4	8.1	7.7	7.2
-53.75°	10.6	10.1	9.6	9.3	9.1	8.9	8.6	8.3	7.9	7.5	7.0
-55°	10.2	9.8	9.4	9.2	9.0	8.8	8.4	8.1	7.7	7.3	6.7
-56.25°	9.9	9.5	9.3	9.0	8.8	8.6	8.2	7.9	7.5	7.1	6.5
-57.5°	9.5	9.3	9.1	8.9	8.7	8.4	8.0	7.7	7.4	6.8	6.2
-58.75°	9.3	9.1	8.9	8.8	8.5	8.2	7.8	7.5	7.0	6.5	5.9
-60°	9.2	9.0	8.8	8.5	8.2	7.9	7.6	7.3	6.7	6.2	5.7
-61.25°	9.0	8.8	8.6	8.3	8.0	7.7	7.4	6.9	6.4	5.9	5.4
-62.5°	8.8	8.6	8.3	8.1	7.8	7.5	7.1	6.6	6.1	5.6	5.1
-63.75°	8.6	8.3	8.1	7.8	7.5	7.2	6.7	6.3	5.8	5.3	4.9
-65°	8.3	8.1	7.8	7.6	7.2	6.8	6.4	5.9	5.5	5.1	4.7
-66.25°	8.0	7.8	7.5	7.2	6.8	6.4	6.0	5.6	5.2	4.8	4.5
-67.5°	7.7	7.5	7.2	6.8	6.4	6.0	5.6	5.2	4.9	4.6	4.3
-68.75°	7.4	7.1	6.7	6.4	6.0	5.6	5.2	4.9	4.6	4.4	4.1
-70°	6.9	6.6	6.3	5.9	5.6	5.2	4.9	4.7	4.4	4.1	3.8
-71.25°	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.4	4.1	3.9	3.6
-72.5°	5.9	5.6	5.3	5.1	4.8	4.6	4.4	4.1	3.9	3.6	3.4
-73.75°	5.4	5.1	4.9	4.7	4.5	4.3	4.1	3.8	3.6	3.4	3.1
-75°	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.1	2.9
-76.25°	4.6	4.4	4.2	4.0	3.8	3.6	3.5	3.3	3.1	2.9	2.6
-77.5°	4.2	4.0	3.8	3.7	3.5	3.3	3.1	3.0	2.8	2.6	2.4



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	3.8	3.6	3.5	3.3	3.1	3.0	2.8	2.7	2.5	2.3	2.2
-80°	3.3	3.2	3.1	2.9	2.8	2.6	2.5	2.4	2.2	2.1	1.9
-81.25°	2.9	2.8	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
-82.5°	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4
-83.75°	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2
-85°	1.6	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0
-86.25°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
-87.5°	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5
-88.75°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	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: P220451 (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°
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	0.1	0.1	0.1	0.1	0.1	0.1	0.0
87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1
86.25°	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
85°	0.9	0.8	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.2	0.1
83.75°	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.2
82.5°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
81.25°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
80°	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
78.75°	2.0	1.8	1.6	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
77.5°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.6	0.4
76.25°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
75°	2.7	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.4
73.75°	2.9	2.6	2.4	2.2	1.9	1.7	1.4	1.2	1.0	0.7	0.5
72.5°	3.1	2.9	2.6	2.3	2.1	1.8	1.5	1.3	1.0	0.8	0.5
71.25°	3.3	3.1	2.8	2.5	2.2	1.9	1.6	1.4	1.1	0.8	0.5
70°	3.6	3.3	3.0	2.7	2.4	2.0	1.7	1.5	1.2	0.9	0.6
68.75°	3.8	3.5	3.1	2.8	2.5	2.2	1.9	1.5	1.2	0.9	0.6
67.5°	4.0	3.6	3.3	3.0	2.6	2.3	2.0	1.6	1.3	1.0	0.7
66.25°	4.2	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
65°	4.4	4.0	3.7	3.3	2.9	2.6	2.2	1.8	1.4	1.1	0.7
63.75°	4.6	4.2	3.8	3.5	3.1	2.7	2.3	1.9	1.5	1.1	0.8
62.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
61.25°	5.0	4.6	4.2	3.8	3.3	2.9	2.5	2.1	1.6	1.2	0.8
60°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.8
58.75°	5.4	4.9	4.5	4.0	3.6	3.2	2.7	2.2	1.8	1.3	0.9
57.5°	5.6	5.1	4.6	4.2	3.7	3.3	2.8	2.3	1.8	1.4	0.9
56.25°	5.9	5.3	4.8	4.3	3.9	3.4	2.9	2.4	1.9	1.4	0.9
55°	6.1	5.5	4.9	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0
53.75°	6.3	5.7	5.1	4.6	4.1	3.6	3.1	2.6	2.0	1.5	1.0
52.5°	6.6	5.9	5.3	4.7	4.2	3.7	3.2	2.6	2.1	1.6	1.0
51.25°	6.8	6.1	5.5	4.9	4.3	3.8	3.3	2.7	2.2	1.6	1.1
50°	7.0	6.3	5.6	5.0	4.5	3.9	3.4	2.8	2.2	1.6	1.1
48.75°	7.2	6.5	5.8	5.1	4.6	4.0	3.5	2.9	2.3	1.7	1.1
47.5°	7.4	6.7	6.0	5.3	4.7	4.1	3.5	2.9	2.3	1.7	1.1
46.25°	7.6	6.9	6.2	5.4	4.8	4.2	3.6	3.0	2.4	1.8	1.2
45°	7.7	7.1	6.3	5.6	4.9	4.3	3.7	3.1	2.4	1.8	1.2
43.75°	7.8	7.3	6.5	5.7	5.0	4.4	3.8	3.1	2.5	1.8	1.2
42.5°	7.9	7.4	6.7	5.9	5.1	4.5	3.9	3.2	2.6	1.9	1.3
41.25°	8.0	7.6	6.8	6.0	5.2	4.6	3.9	3.3	2.6	1.9	1.3
40°	8.1	7.7	7.0	6.2	5.3	4.7	4.0	3.3	2.7	2.0	1.3
38.75°	8.3	7.8	7.2	6.3	5.4	4.7	4.1	3.4	2.7	2.0	1.3
37.5°	8.4	7.9	7.3	6.4	5.6	4.8	4.1	3.5	2.8	2.0	1.3
36.25°	8.5	7.9	7.4	6.6	5.7	4.9	4.2	3.5	2.8	2.1	1.4
35°	8.6	8.0	7.5	6.7	5.8	5.0	4.3	3.6	2.8	2.1	1.4



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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°	8.7	8.1	7.6	6.8	5.9	5.0	4.3	3.6	2.9	2.1	1.4
32.5°	8.7	8.2	7.7	6.9	6.0	5.1	4.4	3.7	2.9	2.2	1.4
31.25°	8.8	8.3	7.7	7.0	6.1	5.2	4.5	3.7	3.0	2.2	1.5
30°	8.8	8.4	7.8	7.2	6.2	5.3	4.5	3.8	3.0	2.2	1.5
28.75°	8.9	8.5	7.9	7.3	6.3	5.3	4.6	3.8	3.1	2.3	1.5
27.5°	8.9	8.5	8.0	7.4	6.4	5.4	4.6	3.9	3.1	2.3	1.5
26.25°	9.0	8.6	8.0	7.4	6.5	5.5	4.7	3.9	3.1	2.3	1.5
25°	9.0	8.7	8.1	7.5	6.6	5.6	4.7	4.0	3.2	2.3	1.5
23.75°	9.1	8.7	8.1	7.5	6.6	5.6	4.8	4.0	3.2	2.4	1.6
22.5°	9.1	8.8	8.2	7.6	6.7	5.7	4.8	4.0	3.2	2.4	1.6
21.25°	9.2	8.8	8.3	7.6	6.8	5.8	4.9	4.1	3.3	2.4	1.6
20°	9.2	8.8	8.3	7.7	6.9	5.8	4.9	4.1	3.3	2.4	1.6
18.75°	9.2	8.9	8.3	7.7	6.9	5.9	4.9	4.1	3.3	2.5	1.6
17.5°	9.3	8.9	8.4	7.8	7.0	5.9	5.0	4.2	3.3	2.5	1.6
16.25°	9.3	8.9	8.4	7.8	7.0	6.0	5.0	4.2	3.4	2.5	1.6
15°	9.3	8.9	8.5	7.8	7.1	6.0	5.0	4.2	3.4	2.5	1.6
13.75°	9.4	9.0	8.5	7.9	7.1	6.1	5.1	4.2	3.4	2.5	1.7
12.5°	9.4	9.0	8.5	7.9	7.2	6.1	5.1	4.2	3.4	2.5	1.7
11.25°	9.4	9.0	8.6	7.9	7.2	6.2	5.1	4.3	3.4	2.5	1.7
10°	9.4	9.0	8.6	8.0	7.3	6.2	5.1	4.3	3.4	2.6	1.7
8.75°	9.4	9.0	8.6	8.0	7.3	6.2	5.1	4.3	3.5	2.6	1.7
7.5°	9.5	9.1	8.6	8.0	7.3	6.2	5.2	4.3	3.5	2.6	1.7
6.25°	9.5	9.1	8.7	8.0	7.3	6.3	5.2	4.3	3.5	2.6	1.7
5°	9.5	9.1	8.7	8.0	7.4	6.3	5.2	4.3	3.5	2.6	1.7
3.75°	9.5	9.1	8.7	8.0	7.4	6.3	5.2	4.3	3.5	2.6	1.7
2.5°	9.5	9.1	8.7	8.0	7.4	6.3	5.2	4.3	3.5	2.6	1.7
1.25°	9.5	9.1	8.7	8.0	7.4	6.3	5.2	4.3	3.5	2.6	1.7
0°	9.5	9.1	8.7	8.1	7.4	6.3	5.2	4.4	3.5	2.6	1.7
-1.25°	9.5	9.1	8.7	8.0	7.4	6.3	5.2	4.3	3.5	2.6	1.7
-2.5°	9.5	9.1	8.7	8.0	7.4	6.3	5.2	4.3	3.5	2.6	1.7
-3.75°	9.5	9.1	8.7	8.0	7.4	6.3	5.2	4.3	3.5	2.6	1.7
-5°	9.5	9.1	8.7	8.0	7.4	6.3	5.2	4.3	3.5	2.6	1.7
-6.25°	9.5	9.1	8.7	8.0	7.3	6.3	5.2	4.3	3.5	2.6	1.7
-7.5°	9.5	9.1	8.6	8.0	7.3	6.2	5.2	4.3	3.5	2.6	1.7
-8.75°	9.4	9.0	8.6	8.0	7.3	6.2	5.1	4.3	3.5	2.6	1.7
-10°	9.4	9.0	8.6	8.0	7.3	6.2	5.1	4.3	3.4	2.6	1.7
-11.25°	9.4	9.0	8.6	7.9	7.2	6.2	5.1	4.3	3.4	2.5	1.7
-12.5°	9.4	9.0	8.5	7.9	7.2	6.1	5.1	4.2	3.4	2.5	1.7
-13.75°	9.4	9.0	8.5	7.9	7.1	6.1	5.1	4.2	3.4	2.5	1.7
-15°	9.3	8.9	8.5	7.8	7.1	6.0	5.0	4.2	3.4	2.5	1.6
-16.25°	9.3	8.9	8.4	7.8	7.0	6.0	5.0	4.2	3.4	2.5	1.6
-17.5°	9.3	8.9	8.4	7.8	7.0	5.9	5.0	4.2	3.3	2.5	1.6
-18.75°	9.2	8.9	8.3	7.7	6.9	5.9	4.9	4.1	3.3	2.5	1.6
-20°	9.2	8.8	8.3	7.7	6.9	5.8	4.9	4.1	3.3	2.4	1.6
-21.25°	9.2	8.8	8.3	7.6	6.8	5.8	4.9	4.1	3.3	2.4	1.6





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



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



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**CANDELA DISTRIBUTION (continued):**

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



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**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	0.7	0.0
32.5°	0.7	0.0
31.25°	0.7	0.0
30°	0.7	0.0
28.75°	0.7	0.0
27.5°	0.8	0.0
26.25°	0.8	0.0
25°	0.8	0.0
23.75°	0.8	0.0
22.5°	0.8	0.0
21.25°	0.8	0.0
20°	0.8	0.0
18.75°	0.8	0.0
17.5°	0.8	0.0
16.25°	0.8	0.0
15°	0.8	0.0
13.75°	0.8	0.0
12.5°	0.8	0.0
11.25°	0.8	0.0
10°	0.8	0.0
8.75°	0.8	0.0
7.5°	0.8	0.0
6.25°	0.8	0.0
5°	0.8	0.0
3.75°	0.8	0.0
2.5°	0.8	0.0
1.25°	0.8	0.0
0°	0.8	0.0
-1.25°	0.8	0.0
-2.5°	0.8	0.0
-3.75°	0.8	0.0
-5°	0.8	0.0
-6.25°	0.8	0.0
-7.5°	0.8	0.0
-8.75°	0.8	0.0
-10°	0.8	0.0
-11.25°	0.8	0.0
-12.5°	0.8	0.0
-13.75°	0.8	0.0
-15°	0.8	0.0
-16.25°	0.8	0.0
-17.5°	0.8	0.0
-18.75°	0.8	0.0
-20°	0.8	0.0
-21.25°	0.8	0.0



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220451 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)