

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: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

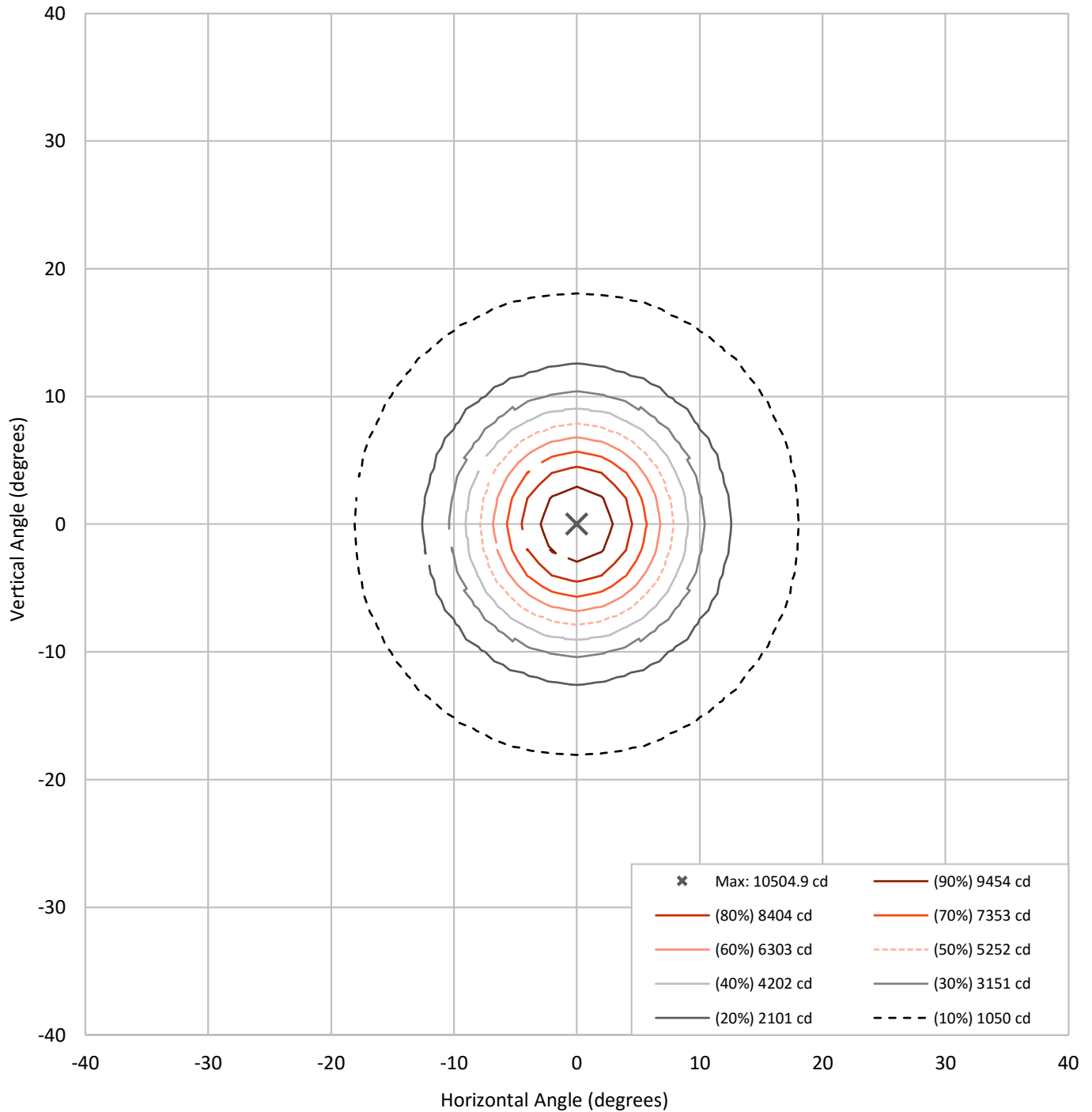
Test Method: LM-79-08  
Report Number: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1432.9 lumens	Max Intensity:	10504.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	71.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.8°H x 15.8°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	437.2 lumens	Field Lumens:	964.7 lumens
Beam Efficiency:	30.5%	Field Efficiency:	67.3%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





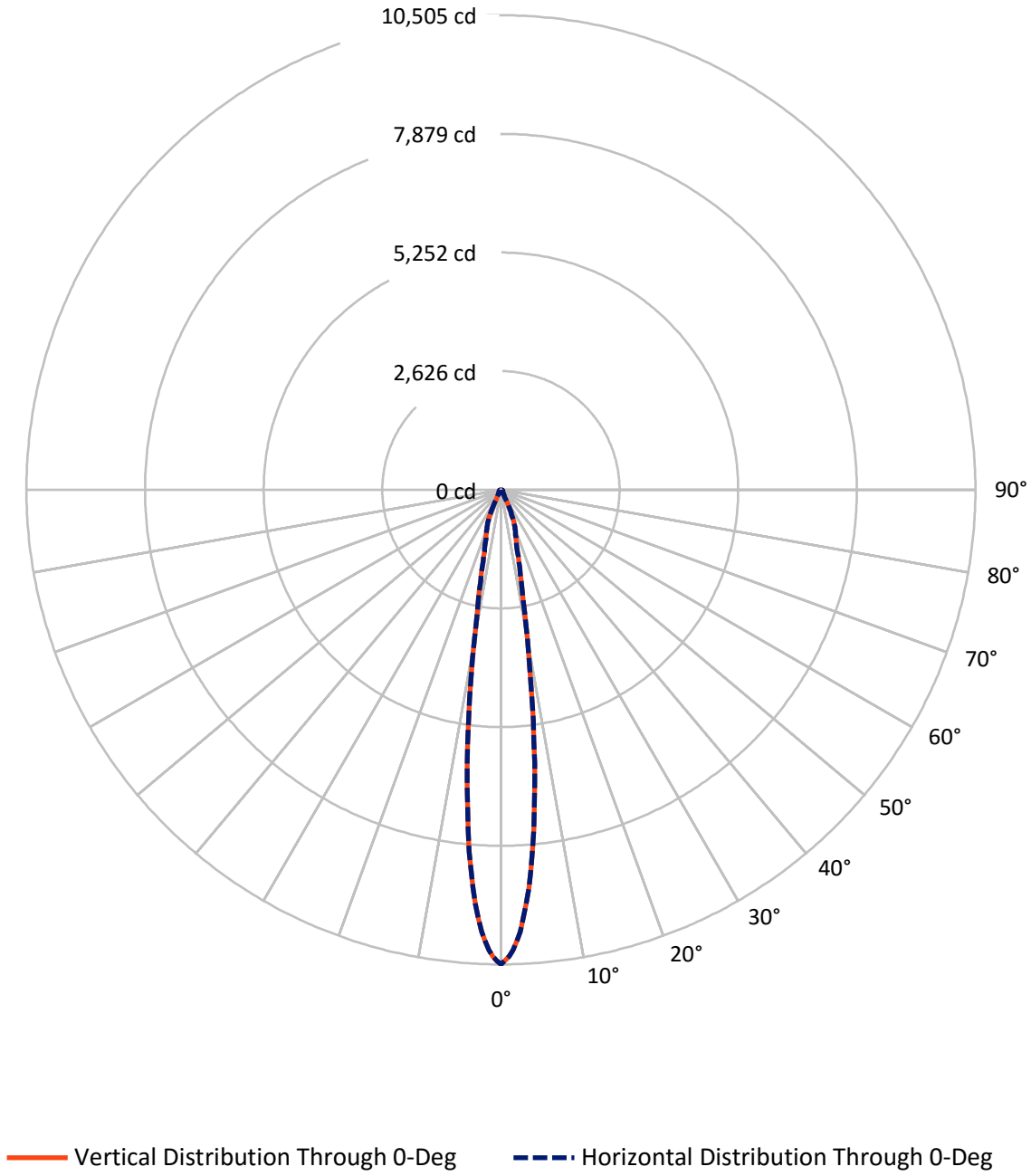
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### Lumen Table

90	0.1	0.4	0.9	1.3	1.4	1.3	0.9	0.4	0.1										
80	0.1	0.4	0.9	1.3	1.4	1.3	0.9	0.4	0.1										
70	0.2	0.2	0.3	0.4	0.6	0.8	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.3	0.2	0.2			
60		0.2	0.4	0.7	1.1	1.3	1.5	1.6	1.6	1.5	1.3	1.1	0.7	0.4	0.2				
50	0.3	0.3	0.6	1.0	1.3	1.5	1.6	1.7	1.7	1.6	1.5	1.3	1.0	0.6	0.3	0.3			
40		0.3	0.8	1.1	1.4	1.7	1.9	2.2	2.2	1.9	1.7	1.4	1.1	0.8	0.3				
30	0.3	0.4	0.9	1.2	1.5	2.1	5.3	12.2	12.2	5.3	2.1	1.5	1.2	0.9	0.4	0.3			
20		0.5	0.9	1.2	1.7	5.0	23.4	43.2	43.2	23.4	5.0	1.7	1.2	0.9	0.5				
10	0.3	0.5	0.9	1.2	1.8	11.2	42.1	168.1	168.1	42.1	11.2	1.8	1.2	0.9	0.5	0.3			
0		0.5	0.9	1.2	1.8	11.2	42.1	168.1	168.1	42.1	11.2	1.8	1.2	0.9	0.5				
-10	0.3	0.5	0.9	1.2	1.7	5.0	23.4	43.2	43.2	23.4	5.0	1.7	1.2	0.9	0.5	0.3			
-20		0.4	0.9	1.2	1.5	2.1	5.3	12.2	12.2	5.3	2.1	1.5	1.2	0.9	0.4				
-30	0.3	0.3	0.8	1.1	1.4	1.7	1.9	2.2	2.2	1.9	1.7	1.4	1.1	0.8	0.3	0.3			
-40		0.3	0.6	1.0	1.3	1.5	1.6	1.7	1.7	1.6	1.5	1.3	1.0	0.6	0.3				
-50	0.2	0.2	0.4	0.7	1.1	1.3	1.5	1.6	1.6	1.5	1.3	1.1	0.7	0.4	0.2	0.2			
-60		0.2	0.3	0.4	0.6	0.8	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.3	0.2				
-70	0.1	0.4	0.9	1.3	1.4	1.3	0.9	0.4	0.1							0.1			
-80		0.4	0.9	1.3	1.4	1.3	0.9	0.4	0.1										
-90	0.1	0.4	0.9	1.3	1.4	1.3	0.9	0.4	0.1										

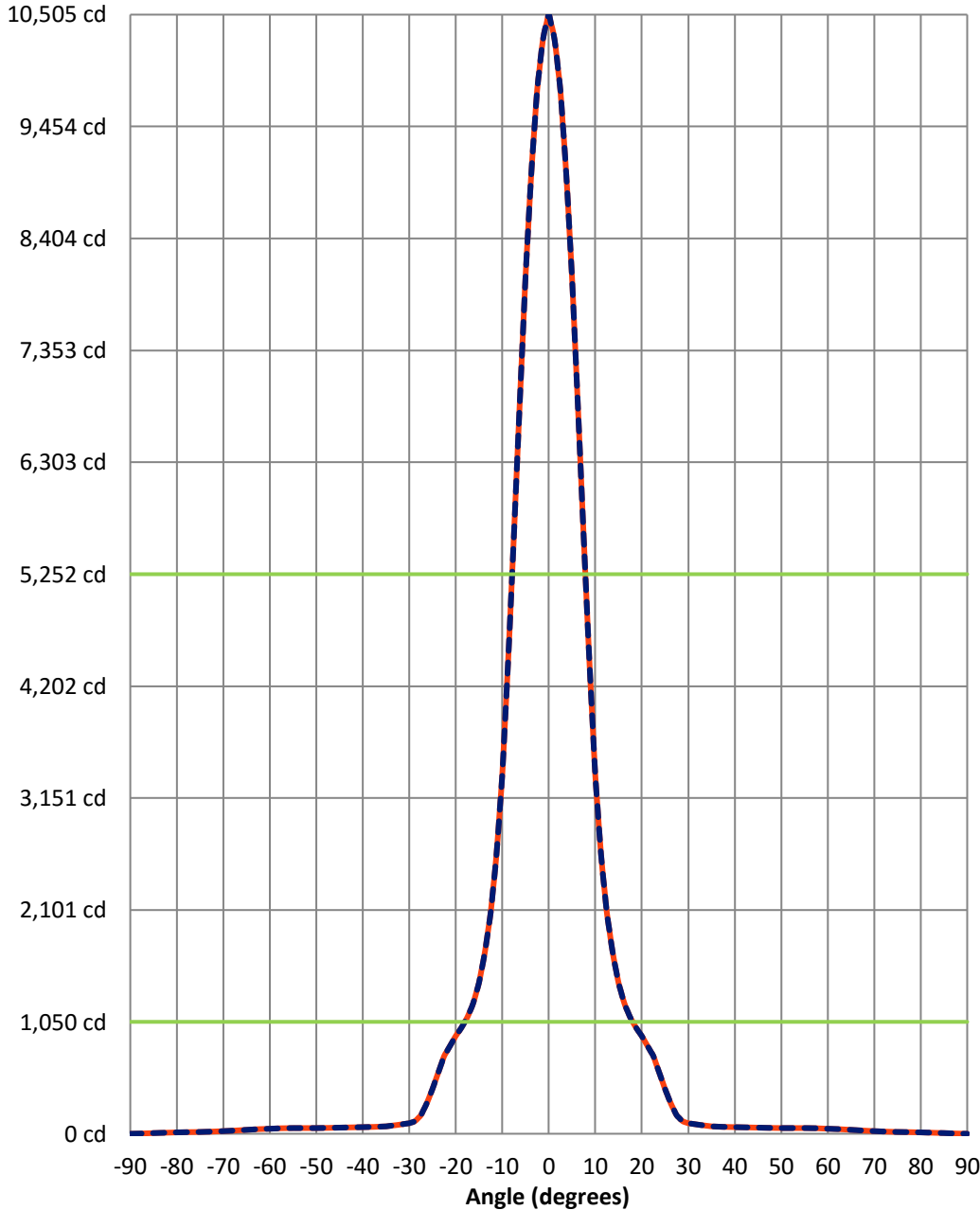
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 15.8°  
 V Angle: 15.8°  
 Lumens: 437.2  
 Efficiency: 30.5%

**Field:**  
 H Angle: 36.1°  
 V Angle: 36.1°  
 Lumens: 964.7  
 Efficiency: 67.3%

**Spill:**  
 Lumens: 468.2  
 Efficiency: 32.7%

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

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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
86.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
83.75°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
81.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
80°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
78.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
77.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.7
76.25°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.7	3.1
75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	3.0	3.5
73.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.9	3.4	4.0
72.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.2	3.8	4.4
71.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.9	3.5	4.2	4.8
70°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.2	3.8	4.5	5.2
68.75°	0.0	0.4	0.9	1.3	1.7	2.2	2.7	3.5	4.2	4.9	5.6
67.5°	0.0	0.5	0.9	1.4	1.8	2.3	3.0	3.7	4.5	5.3	6.0
66.25°	0.0	0.5	1.0	1.4	1.9	2.4	3.2	4.0	4.8	5.6	6.4
65°	0.0	0.5	1.0	1.5	2.0	2.6	3.5	4.3	5.1	6.0	6.7
63.75°	0.0	0.5	1.1	1.6	2.1	2.8	3.7	4.6	5.4	6.3	7.0
62.5°	0.0	0.6	1.1	1.7	2.2	3.0	3.9	4.8	5.8	6.6	7.3
61.25°	0.0	0.6	1.2	1.7	2.3	3.2	4.2	5.1	6.1	6.9	7.6
60°	0.0	0.6	1.2	1.8	2.4	3.4	4.4	5.4	6.4	7.2	8.0
58.75°	0.0	0.6	1.2	1.9	2.5	3.6	4.6	5.6	6.6	7.4	8.3
57.5°	0.0	0.6	1.3	1.9	2.7	3.8	4.8	5.9	6.9	7.7	8.5
56.25°	0.0	0.7	1.3	2.0	2.8	3.9	5.1	6.2	7.1	8.0	8.8
55°	0.0	0.7	1.4	2.1	3.0	4.1	5.3	6.4	7.3	8.2	9.1
53.75°	0.0	0.7	1.4	2.1	3.1	4.3	5.5	6.6	7.5	8.5	9.4
52.5°	0.0	0.7	1.5	2.2	3.3	4.5	5.7	6.8	7.8	8.7	9.7
51.25°	0.0	0.8	1.5	2.3	3.4	4.7	5.9	7.0	8.0	9.0	10.0
50°	0.0	0.8	1.5	2.3	3.5	4.8	6.1	7.2	8.2	9.2	10.2
48.75°	0.0	0.8	1.6	2.4	3.7	5.0	6.3	7.4	8.4	9.5	10.5
47.5°	0.0	0.8	1.6	2.5	3.8	5.1	6.5	7.6	8.6	9.7	10.8
46.25°	0.0	0.8	1.7	2.5	3.9	5.3	6.6	7.7	8.8	9.9	11.0
45°	0.0	0.8	1.7	2.6	4.1	5.5	6.8	7.9	9.0	10.1	11.3
43.75°	0.0	0.9	1.7	2.7	4.2	5.6	6.9	8.1	9.2	10.4	11.5
42.5°	0.0	0.9	1.8	2.8	4.3	5.8	7.1	8.2	9.4	10.6	11.8
41.25°	0.0	0.9	1.8	2.9	4.4	5.9	7.2	8.4	9.6	10.8	12.0
40°	0.0	0.9	1.8	3.0	4.5	6.1	7.3	8.6	9.8	11.0	12.2
38.75°	0.0	0.9	1.9	3.1	4.6	6.2	7.5	8.7	10.0	11.2	12.4
37.5°	0.0	1.0	1.9	3.2	4.7	6.3	7.6	8.9	10.1	11.4	12.7
36.25°	0.0	1.0	1.9	3.2	4.8	6.4	7.7	9.0	10.3	11.6	12.9
35°	0.0	1.0	2.0	3.3	5.0	6.5	7.9	9.2	10.5	11.8	13.0



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	1.0	2.0	3.4	5.0	6.6	8.0	9.3	10.6	11.9	13.2
32.5°	0.0	1.0	2.0	3.5	5.1	6.7	8.1	9.4	10.8	12.1	13.3
31.25°	0.0	1.0	2.1	3.5	5.2	6.8	8.2	9.6	10.9	12.3	13.4
30°	0.0	1.0	2.1	3.6	5.3	6.9	8.3	9.7	11.1	12.5	13.6
28.75°	0.0	1.1	2.1	3.7	5.4	7.0	8.4	9.8	11.2	12.6	13.7
27.5°	0.0	1.1	2.1	3.7	5.5	7.1	8.5	9.9	11.3	12.8	13.8
26.25°	0.0	1.1	2.2	3.8	5.6	7.2	8.6	10.0	11.5	12.9	13.9
25°	0.0	1.1	2.2	3.8	5.6	7.2	8.7	10.1	11.6	13.0	14.1
23.75°	0.0	1.1	2.2	3.9	5.7	7.3	8.8	10.2	11.7	13.1	14.2
22.5°	0.0	1.1	2.2	3.9	5.8	7.4	8.9	10.3	11.8	13.2	14.3
21.25°	0.0	1.1	2.2	4.0	5.9	7.5	8.9	10.4	11.9	13.3	14.4
20°	0.0	1.1	2.3	4.0	5.9	7.5	9.0	10.5	12.0	13.3	14.5
18.75°	0.0	1.1	2.3	4.1	6.0	7.6	9.1	10.6	12.1	13.4	14.6
17.5°	0.0	1.1	2.3	4.1	6.0	7.6	9.2	10.7	12.2	13.5	14.6
16.25°	0.0	1.2	2.3	4.2	6.1	7.7	9.2	10.7	12.3	13.6	14.7
15°	0.0	1.2	2.3	4.2	6.1	7.7	9.3	10.8	12.4	13.6	14.8
13.75°	0.0	1.2	2.3	4.2	6.2	7.8	9.3	10.9	12.4	13.7	14.9
12.5°	0.0	1.2	2.3	4.3	6.2	7.8	9.4	10.9	12.5	13.7	14.9
11.25°	0.0	1.2	2.4	4.3	6.2	7.8	9.4	11.0	12.6	13.8	15.0
10°	0.0	1.2	2.4	4.3	6.3	7.9	9.5	11.0	12.6	13.8	15.0
8.75°	0.0	1.2	2.4	4.3	6.3	7.9	9.5	11.1	12.6	13.9	15.1
7.5°	0.0	1.2	2.4	4.3	6.3	7.9	9.5	11.1	12.7	13.9	15.1
6.25°	0.0	1.2	2.4	4.4	6.4	8.0	9.5	11.1	12.7	13.9	15.1
5°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
3.75°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
2.5°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
1.25°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
0°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
-1.25°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
-2.5°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
-3.75°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
-5°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.0	15.2
-6.25°	0.0	1.2	2.4	4.4	6.4	8.0	9.5	11.1	12.7	13.9	15.1
-7.5°	0.0	1.2	2.4	4.3	6.3	7.9	9.5	11.1	12.7	13.9	15.1
-8.75°	0.0	1.2	2.4	4.3	6.3	7.9	9.5	11.1	12.6	13.9	15.1
-10°	0.0	1.2	2.4	4.3	6.3	7.9	9.5	11.0	12.6	13.8	15.0
-11.25°	0.0	1.2	2.4	4.3	6.2	7.8	9.4	11.0	12.6	13.8	15.0
-12.5°	0.0	1.2	2.3	4.3	6.2	7.8	9.4	10.9	12.5	13.7	14.9
-13.75°	0.0	1.2	2.3	4.2	6.2	7.8	9.3	10.9	12.4	13.7	14.9
-15°	0.0	1.2	2.3	4.2	6.1	7.7	9.3	10.8	12.4	13.6	14.8
-16.25°	0.0	1.2	2.3	4.2	6.1	7.7	9.2	10.7	12.3	13.6	14.7
-17.5°	0.0	1.1	2.3	4.1	6.0	7.6	9.2	10.7	12.2	13.5	14.6
-18.75°	0.0	1.1	2.3	4.1	6.0	7.6	9.1	10.6	12.1	13.4	14.6
-20°	0.0	1.1	2.3	4.0	5.9	7.5	9.0	10.5	12.0	13.3	14.5
-21.25°	0.0	1.1	2.2	4.0	5.9	7.5	8.9	10.4	11.9	13.3	14.4





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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.1	2.2	3.9	5.8	7.4	8.9	10.3	11.8	13.2	14.3
-23.75°	0.0	1.1	2.2	3.9	5.7	7.3	8.8	10.2	11.7	13.1	14.2
-25°	0.0	1.1	2.2	3.8	5.6	7.2	8.7	10.1	11.6	13.0	14.1
-26.25°	0.0	1.1	2.2	3.8	5.6	7.2	8.6	10.0	11.5	12.9	13.9
-27.5°	0.0	1.1	2.1	3.7	5.5	7.1	8.5	9.9	11.3	12.8	13.8
-28.75°	0.0	1.1	2.1	3.7	5.4	7.0	8.4	9.8	11.2	12.6	13.7
-30°	0.0	1.0	2.1	3.6	5.3	6.9	8.3	9.7	11.1	12.5	13.6
-31.25°	0.0	1.0	2.1	3.5	5.2	6.8	8.2	9.6	10.9	12.3	13.4
-32.5°	0.0	1.0	2.0	3.5	5.1	6.7	8.1	9.4	10.8	12.1	13.3
-33.75°	0.0	1.0	2.0	3.4	5.0	6.6	8.0	9.3	10.6	11.9	13.2
-35°	0.0	1.0	2.0	3.3	5.0	6.5	7.9	9.2	10.5	11.8	13.0
-36.25°	0.0	1.0	1.9	3.2	4.8	6.4	7.7	9.0	10.3	11.6	12.9
-37.5°	0.0	1.0	1.9	3.2	4.7	6.3	7.6	8.9	10.1	11.4	12.7
-38.75°	0.0	0.9	1.9	3.1	4.6	6.2	7.5	8.7	10.0	11.2	12.4
-40°	0.0	0.9	1.8	3.0	4.5	6.1	7.3	8.6	9.8	11.0	12.2
-41.25°	0.0	0.9	1.8	2.9	4.4	5.9	7.2	8.4	9.6	10.8	12.0
-42.5°	0.0	0.9	1.8	2.8	4.3	5.8	7.1	8.2	9.4	10.6	11.8
-43.75°	0.0	0.9	1.7	2.7	4.2	5.6	6.9	8.1	9.2	10.4	11.5
-45°	0.0	0.8	1.7	2.6	4.1	5.5	6.8	7.9	9.0	10.1	11.3
-46.25°	0.0	0.8	1.7	2.5	3.9	5.3	6.6	7.7	8.8	9.9	11.0
-47.5°	0.0	0.8	1.6	2.5	3.8	5.1	6.5	7.6	8.6	9.7	10.8
-48.75°	0.0	0.8	1.6	2.4	3.7	5.0	6.3	7.4	8.4	9.5	10.5
-50°	0.0	0.8	1.5	2.3	3.5	4.8	6.1	7.2	8.2	9.2	10.2
-51.25°	0.0	0.8	1.5	2.3	3.4	4.7	5.9	7.0	8.0	9.0	10.0
-52.5°	0.0	0.7	1.5	2.2	3.3	4.5	5.7	6.8	7.8	8.7	9.7
-53.75°	0.0	0.7	1.4	2.1	3.1	4.3	5.5	6.6	7.5	8.5	9.4
-55°	0.0	0.7	1.4	2.1	3.0	4.1	5.3	6.4	7.3	8.2	9.1
-56.25°	0.0	0.7	1.3	2.0	2.8	3.9	5.1	6.2	7.1	8.0	8.8
-57.5°	0.0	0.6	1.3	1.9	2.7	3.8	4.8	5.9	6.9	7.7	8.5
-58.75°	0.0	0.6	1.2	1.9	2.5	3.6	4.6	5.6	6.6	7.4	8.3
-60°	0.0	0.6	1.2	1.8	2.4	3.4	4.4	5.4	6.4	7.2	8.0
-61.25°	0.0	0.6	1.2	1.7	2.3	3.2	4.2	5.1	6.1	6.9	7.6
-62.5°	0.0	0.6	1.1	1.7	2.2	3.0	3.9	4.8	5.8	6.6	7.3
-63.75°	0.0	0.5	1.1	1.6	2.1	2.8	3.7	4.6	5.4	6.3	7.0
-65°	0.0	0.5	1.0	1.5	2.0	2.6	3.5	4.3	5.1	6.0	6.7
-66.25°	0.0	0.5	1.0	1.4	1.9	2.4	3.2	4.0	4.8	5.6	6.4
-67.5°	0.0	0.5	0.9	1.4	1.8	2.3	3.0	3.7	4.5	5.3	6.0
-68.75°	0.0	0.4	0.9	1.3	1.7	2.2	2.7	3.5	4.2	4.9	5.6
-70°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.2	3.8	4.5	5.2
-71.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.9	3.5	4.2	4.8
-72.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.2	3.8	4.4
-73.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.9	3.4	4.0
-75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	3.0	3.5
-76.25°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.7	3.1
-77.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.7



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
-80°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-81.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
-83.75°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-86.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-88.75°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
86.25°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
85°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
83.75°	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.8
82.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.7	3.0	3.2	3.5	3.7
81.25°	2.0	2.2	2.3	2.6	2.9	3.2	3.5	3.7	4.0	4.3	4.6
80°	2.3	2.5	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.1	5.4
78.75°	2.7	3.0	3.4	3.8	4.2	4.5	4.9	5.3	5.6	6.0	6.3
77.5°	3.1	3.5	4.0	4.4	4.8	5.2	5.6	6.0	6.4	6.7	7.0
76.25°	3.6	4.0	4.5	5.0	5.4	5.9	6.3	6.7	7.0	7.4	7.7
75°	4.0	4.5	5.0	5.5	6.0	6.5	6.9	7.3	7.7	8.0	8.4
73.75°	4.5	5.0	5.6	6.1	6.6	7.0	7.5	7.9	8.3	8.7	9.1
72.5°	5.0	5.5	6.1	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.8
71.25°	5.4	6.0	6.6	7.1	7.6	8.1	8.6	9.0	9.5	10.0	10.5
70°	5.9	6.5	7.0	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1
68.75°	6.3	6.9	7.5	8.0	8.6	9.1	9.7	10.2	10.7	11.3	11.8
67.5°	6.7	7.3	7.9	8.5	9.0	9.6	10.2	10.8	11.3	11.9	12.5
66.25°	7.0	7.7	8.3	8.9	9.5	10.1	10.7	11.3	11.9	12.5	13.1
65°	7.4	8.0	8.7	9.3	10.0	10.6	11.3	11.9	12.5	13.1	13.5
63.75°	7.7	8.4	9.1	9.8	10.5	11.1	11.8	12.5	13.1	13.5	14.0
62.5°	8.1	8.8	9.5	10.2	10.9	11.6	12.3	13.0	13.5	14.0	14.5
61.25°	8.4	9.2	9.9	10.6	11.4	12.1	12.8	13.4	13.9	14.5	15.0
60°	8.7	9.5	10.3	11.1	11.8	12.6	13.2	13.8	14.4	14.9	15.4
58.75°	9.1	9.9	10.7	11.5	12.3	13.0	13.6	14.2	14.8	15.3	15.7
57.5°	9.4	10.2	11.1	11.9	12.7	13.4	14.0	14.6	15.2	15.6	16.0
56.25°	9.7	10.6	11.4	12.3	13.1	13.7	14.4	15.0	15.5	15.9	16.3
55°	10.0	10.9	11.8	12.7	13.4	14.1	14.7	15.3	15.7	16.2	16.6
53.75°	10.3	11.3	12.2	13.0	13.7	14.4	15.1	15.6	16.0	16.5	17.0
52.5°	10.6	11.6	12.6	13.3	14.0	14.7	15.4	15.8	16.3	16.7	17.6
51.25°	11.0	11.9	12.9	13.6	14.3	15.1	15.6	16.1	16.5	17.2	18.2
50°	11.2	12.3	13.1	13.9	14.6	15.3	15.8	16.3	16.8	17.8	18.7
48.75°	11.5	12.6	13.4	14.2	14.9	15.5	16.0	16.6	17.3	18.3	19.3
47.5°	11.8	12.9	13.7	14.5	15.2	15.8	16.3	16.8	17.8	18.8	19.9
46.25°	12.1	13.1	13.9	14.7	15.4	16.0	16.5	17.2	18.3	19.4	20.6
45°	12.4	13.3	14.2	15.0	15.6	16.2	16.7	17.7	18.8	19.9	21.4
43.75°	12.7	13.5	14.4	15.2	15.8	16.4	17.0	18.1	19.2	20.5	22.1
42.5°	12.9	13.8	14.6	15.4	16.0	16.5	17.4	18.6	19.7	21.2	22.9
41.25°	13.1	14.0	14.9	15.6	16.2	16.7	17.8	19.0	20.2	21.9	23.6
40°	13.3	14.2	15.1	15.7	16.3	17.0	18.2	19.4	20.9	22.6	24.3
38.75°	13.5	14.4	15.3	15.9	16.5	17.4	18.6	19.8	21.5	23.3	25.1
37.5°	13.6	14.6	15.4	16.0	16.7	17.8	19.0	20.3	22.1	23.9	25.9
36.25°	13.8	14.8	15.5	16.2	16.8	18.1	19.4	20.9	22.7	24.6	26.7
35°	14.0	15.0	15.7	16.3	17.1	18.4	19.7	21.4	23.3	25.3	27.5



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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°
33.75°	14.1	15.1	15.8	16.5	17.4	18.7	20.1	22.0	23.9	26.0	28.2
32.5°	14.3	15.3	15.9	16.6	17.7	19.1	20.6	22.5	24.4	26.7	29.0
31.25°	14.5	15.4	16.1	16.7	18.0	19.4	21.0	23.0	25.0	27.3	29.7
30°	14.6	15.5	16.2	16.9	18.3	19.7	21.5	23.5	25.6	28.0	30.4
28.75°	14.7	15.6	16.3	17.2	18.6	19.9	21.9	24.0	26.2	28.6	31.1
27.5°	14.9	15.7	16.4	17.4	18.8	20.3	22.4	24.4	26.8	29.2	31.8
26.25°	15.0	15.8	16.5	17.6	19.0	20.7	22.8	24.9	27.3	29.8	32.5
25°	15.1	15.9	16.6	17.8	19.3	21.0	23.2	25.4	27.9	30.4	33.2
23.75°	15.2	16.0	16.7	18.0	19.5	21.4	23.5	25.8	28.4	31.0	33.8
22.5°	15.3	16.1	16.8	18.2	19.7	21.7	23.9	26.3	28.8	31.5	34.4
21.25°	15.4	16.1	17.0	18.4	19.9	22.0	24.2	26.7	29.3	32.1	35.0
20°	15.5	16.2	17.1	18.6	20.2	22.3	24.5	27.1	29.7	32.6	35.6
18.75°	15.5	16.3	17.3	18.8	20.4	22.6	24.9	27.5	30.1	33.1	36.1
17.5°	15.6	16.3	17.4	18.9	20.7	22.9	25.2	27.8	30.5	33.5	36.6
16.25°	15.6	16.4	17.5	19.1	20.9	23.1	25.5	28.2	30.9	34.0	37.0
15°	15.7	16.5	17.7	19.2	21.1	23.4	25.8	28.5	31.3	34.4	37.4
13.75°	15.7	16.5	17.8	19.3	21.3	23.6	26.1	28.8	31.7	34.7	37.8
12.5°	15.8	16.6	17.9	19.5	21.5	23.8	26.3	29.0	32.0	35.1	38.2
11.25°	15.8	16.6	18.0	19.6	21.6	23.9	26.5	29.3	32.3	35.4	38.5
10°	15.9	16.7	18.1	19.6	21.8	24.1	26.7	29.5	32.5	35.7	38.8
8.75°	15.9	16.7	18.2	19.7	21.9	24.2	26.9	29.7	32.7	35.9	39.1
7.5°	15.9	16.7	18.2	19.8	22.0	24.4	27.1	29.8	32.9	36.1	39.3
6.25°	15.9	16.7	18.3	19.9	22.1	24.5	27.2	30.0	33.1	36.3	39.5
5°	16.0	16.8	18.3	19.9	22.2	24.6	27.3	30.1	33.3	36.4	39.6
3.75°	16.0	16.8	18.4	20.0	22.3	24.6	27.4	30.2	33.4	36.6	39.7
2.5°	16.0	16.8	18.4	20.0	22.3	24.7	27.5	30.2	33.4	36.6	39.8
1.25°	16.0	16.8	18.4	20.0	22.3	24.7	27.5	30.3	33.5	36.7	39.9
0°	16.0	16.8	18.4	20.0	22.4	24.7	27.5	30.3	33.5	36.7	39.9
-1.25°	16.0	16.8	18.4	20.0	22.3	24.7	27.5	30.3	33.5	36.7	39.9
-2.5°	16.0	16.8	18.4	20.0	22.3	24.7	27.5	30.2	33.4	36.6	39.8
-3.75°	16.0	16.8	18.4	20.0	22.3	24.6	27.4	30.2	33.4	36.6	39.7
-5°	16.0	16.8	18.3	19.9	22.2	24.6	27.3	30.1	33.3	36.4	39.6
-6.25°	15.9	16.7	18.3	19.9	22.1	24.5	27.2	30.0	33.1	36.3	39.5
-7.5°	15.9	16.7	18.2	19.8	22.0	24.4	27.1	29.8	32.9	36.1	39.3
-8.75°	15.9	16.7	18.2	19.7	21.9	24.2	26.9	29.7	32.7	35.9	39.1
-10°	15.9	16.7	18.1	19.6	21.8	24.1	26.7	29.5	32.5	35.7	38.8
-11.25°	15.8	16.6	18.0	19.6	21.6	23.9	26.5	29.3	32.3	35.4	38.5
-12.5°	15.8	16.6	17.9	19.5	21.5	23.8	26.3	29.0	32.0	35.1	38.2
-13.75°	15.7	16.5	17.8	19.3	21.3	23.6	26.1	28.8	31.7	34.7	37.8
-15°	15.7	16.5	17.7	19.2	21.1	23.4	25.8	28.5	31.3	34.4	37.4
-16.25°	15.6	16.4	17.5	19.1	20.9	23.1	25.5	28.2	30.9	34.0	37.0
-17.5°	15.6	16.3	17.4	18.9	20.7	22.9	25.2	27.8	30.5	33.5	36.6
-18.75°	15.5	16.3	17.3	18.8	20.4	22.6	24.9	27.5	30.1	33.1	36.1
-20°	15.5	16.2	17.1	18.6	20.2	22.3	24.5	27.1	29.7	32.6	35.6
-21.25°	15.4	16.1	17.0	18.4	19.9	22.0	24.2	26.7	29.3	32.1	35.0



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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	15.3	16.1	16.8	18.2	19.7	21.7	23.9	26.3	28.8	31.5	34.4
-23.75°	15.2	16.0	16.7	18.0	19.5	21.4	23.5	25.8	28.4	31.0	33.8
-25°	15.1	15.9	16.6	17.8	19.3	21.0	23.2	25.4	27.9	30.4	33.2
-26.25°	15.0	15.8	16.5	17.6	19.0	20.7	22.8	24.9	27.3	29.8	32.5
-27.5°	14.9	15.7	16.4	17.4	18.8	20.3	22.4	24.4	26.8	29.2	31.8
-28.75°	14.7	15.6	16.3	17.2	18.6	19.9	21.9	24.0	26.2	28.6	31.1
-30°	14.6	15.5	16.2	16.9	18.3	19.7	21.5	23.5	25.6	28.0	30.4
-31.25°	14.5	15.4	16.1	16.7	18.0	19.4	21.0	23.0	25.0	27.3	29.7
-32.5°	14.3	15.3	15.9	16.6	17.7	19.1	20.6	22.5	24.4	26.7	29.0
-33.75°	14.1	15.1	15.8	16.5	17.4	18.7	20.1	22.0	23.9	26.0	28.2
-35°	14.0	15.0	15.7	16.3	17.1	18.4	19.7	21.4	23.3	25.3	27.5
-36.25°	13.8	14.8	15.5	16.2	16.8	18.1	19.4	20.9	22.7	24.6	26.7
-37.5°	13.6	14.6	15.4	16.0	16.7	17.8	19.0	20.3	22.1	23.9	25.9
-38.75°	13.5	14.4	15.3	15.9	16.5	17.4	18.6	19.8	21.5	23.3	25.1
-40°	13.3	14.2	15.1	15.7	16.3	17.0	18.2	19.4	20.9	22.6	24.3
-41.25°	13.1	14.0	14.9	15.6	16.2	16.7	17.8	19.0	20.2	21.9	23.6
-42.5°	12.9	13.8	14.6	15.4	16.0	16.5	17.4	18.6	19.7	21.2	22.9
-43.75°	12.7	13.5	14.4	15.2	15.8	16.4	17.0	18.1	19.2	20.5	22.1
-45°	12.4	13.3	14.2	15.0	15.6	16.2	16.7	17.7	18.8	19.9	21.4
-46.25°	12.1	13.1	13.9	14.7	15.4	16.0	16.5	17.2	18.3	19.4	20.6
-47.5°	11.8	12.9	13.7	14.5	15.2	15.8	16.3	16.8	17.8	18.8	19.9
-48.75°	11.5	12.6	13.4	14.2	14.9	15.5	16.0	16.6	17.3	18.3	19.3
-50°	11.2	12.3	13.1	13.9	14.6	15.3	15.8	16.3	16.8	17.8	18.7
-51.25°	11.0	11.9	12.9	13.6	14.3	15.1	15.6	16.1	16.5	17.2	18.2
-52.5°	10.6	11.6	12.6	13.3	14.0	14.7	15.4	15.8	16.3	16.7	17.6
-53.75°	10.3	11.3	12.2	13.0	13.7	14.4	15.1	15.6	16.0	16.5	17.0
-55°	10.0	10.9	11.8	12.7	13.4	14.1	14.7	15.3	15.7	16.2	16.6
-56.25°	9.7	10.6	11.4	12.3	13.1	13.7	14.4	15.0	15.5	15.9	16.3
-57.5°	9.4	10.2	11.1	11.9	12.7	13.4	14.0	14.6	15.2	15.6	16.0
-58.75°	9.1	9.9	10.7	11.5	12.3	13.0	13.6	14.2	14.8	15.3	15.7
-60°	8.7	9.5	10.3	11.1	11.8	12.6	13.2	13.8	14.4	14.9	15.4
-61.25°	8.4	9.2	9.9	10.6	11.4	12.1	12.8	13.4	13.9	14.5	15.0
-62.5°	8.1	8.8	9.5	10.2	10.9	11.6	12.3	13.0	13.5	14.0	14.5
-63.75°	7.7	8.4	9.1	9.8	10.5	11.1	11.8	12.5	13.1	13.5	14.0
-65°	7.4	8.0	8.7	9.3	10.0	10.6	11.3	11.9	12.5	13.1	13.5
-66.25°	7.0	7.7	8.3	8.9	9.5	10.1	10.7	11.3	11.9	12.5	13.1
-67.5°	6.7	7.3	7.9	8.5	9.0	9.6	10.2	10.8	11.3	11.9	12.5
-68.75°	6.3	6.9	7.5	8.0	8.6	9.1	9.7	10.2	10.7	11.3	11.8
-70°	5.9	6.5	7.0	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1
-71.25°	5.4	6.0	6.6	7.1	7.6	8.1	8.6	9.0	9.5	10.0	10.5
-72.5°	5.0	5.5	6.1	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.8
-73.75°	4.5	5.0	5.6	6.1	6.6	7.0	7.5	7.9	8.3	8.7	9.1
-75°	4.0	4.5	5.0	5.5	6.0	6.5	6.9	7.3	7.7	8.0	8.4
-76.25°	3.6	4.0	4.5	5.0	5.4	5.9	6.3	6.7	7.0	7.4	7.7
-77.5°	3.1	3.5	4.0	4.4	4.8	5.2	5.6	6.0	6.4	6.7	7.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	2.7	3.0	3.4	3.8	4.2	4.5	4.9	5.3	5.6	6.0	6.3
-80°	2.3	2.5	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.1	5.4
-81.25°	2.0	2.2	2.3	2.6	2.9	3.2	3.5	3.7	4.0	4.3	4.6
-82.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.7	3.0	3.2	3.5	3.7
-83.75°	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.8
-85°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-86.25°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
-87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	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: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
86.25°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3
85°	2.2	2.3	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.5
83.75°	3.0	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.8
82.5°	3.9	4.2	4.4	4.6	4.8	5.1	5.3	5.5	5.7	5.9	6.1
81.25°	4.8	5.1	5.4	5.6	5.9	6.2	6.4	6.6	6.8	7.0	7.2
80°	5.8	6.1	6.4	6.6	6.9	7.1	7.3	7.5	7.8	8.0	8.2
78.75°	6.6	6.9	7.2	7.4	7.7	8.0	8.2	8.5	8.7	9.0	9.2
77.5°	7.3	7.6	8.0	8.3	8.5	8.8	9.1	9.4	9.7	10.0	10.2
76.25°	8.1	8.4	8.7	9.1	9.4	9.7	10.0	10.3	10.6	11.0	11.2
75°	8.8	9.2	9.5	9.9	10.2	10.6	10.9	11.3	11.6	11.9	12.3
73.75°	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.2	12.6	12.9	13.1
72.5°	10.2	10.6	11.1	11.5	11.9	12.3	12.7	13.0	13.3	13.6	13.9
71.25°	10.9	11.4	11.8	12.3	12.7	13.1	13.4	13.7	14.0	14.3	14.6
70°	11.6	12.1	12.6	13.0	13.4	13.7	14.1	14.4	14.7	15.1	15.3
68.75°	12.3	12.8	13.2	13.6	14.0	14.4	14.7	15.1	15.4	15.6	15.8
67.5°	13.0	13.4	13.8	14.2	14.6	15.0	15.3	15.6	15.8	16.1	16.3
66.25°	13.5	13.9	14.4	14.8	15.2	15.5	15.7	16.0	16.3	16.5	16.8
65°	14.0	14.5	14.9	15.3	15.6	15.9	16.2	16.5	16.7	17.2	17.8
63.75°	14.5	15.0	15.4	15.7	16.0	16.3	16.6	17.0	17.6	18.2	18.7
62.5°	15.0	15.4	15.7	16.1	16.4	16.7	17.3	17.9	18.5	19.1	19.7
61.25°	15.4	15.8	16.1	16.4	16.8	17.4	18.1	18.8	19.4	20.0	21.0
60°	15.7	16.1	16.5	16.8	17.5	18.2	18.9	19.6	20.4	21.4	22.3
58.75°	16.1	16.4	16.8	17.6	18.3	19.0	19.8	20.7	21.7	22.7	23.7
57.5°	16.4	16.8	17.5	18.3	19.1	19.8	20.8	21.9	23.0	24.0	25.2
56.25°	16.7	17.4	18.2	19.0	19.8	20.9	22.0	23.2	24.3	25.5	26.8
55°	17.3	18.1	18.9	19.8	20.8	22.0	23.2	24.4	25.7	27.0	28.4
53.75°	17.9	18.8	19.6	20.7	21.9	23.2	24.4	25.7	27.2	28.6	29.9
52.5°	18.5	19.4	20.4	21.7	23.0	24.3	25.7	27.2	28.6	30.1	31.7
51.25°	19.1	20.0	21.4	22.7	24.0	25.5	27.0	28.6	30.1	31.7	33.4
50°	19.7	21.0	22.3	23.7	25.2	26.8	28.4	29.9	31.7	33.4	35.2
48.75°	20.4	21.9	23.3	24.7	26.4	28.0	29.7	31.4	33.3	35.1	36.9
47.5°	21.3	22.7	24.2	25.9	27.6	29.3	31.1	33.0	34.9	36.7	38.6
46.25°	22.1	23.6	25.2	27.0	28.8	30.5	32.5	34.5	36.4	38.4	40.3
45°	22.9	24.5	26.3	28.1	29.9	31.9	34.0	36.0	38.0	40.0	41.9
43.75°	23.7	25.4	27.3	29.2	31.2	33.3	35.4	37.4	39.5	41.5	43.4
42.5°	24.5	26.4	28.4	30.3	32.4	34.6	36.7	38.9	41.0	43.1	44.4
41.25°	25.4	27.4	29.4	31.5	33.7	35.9	38.1	40.3	42.4	44.0	45.3
40°	26.3	28.3	30.4	32.6	34.9	37.2	39.4	41.7	43.6	44.9	46.3
38.75°	27.2	29.3	31.5	33.8	36.1	38.4	40.7	43.0	44.5	45.9	47.3
37.5°	28.0	30.1	32.5	34.9	37.3	39.7	42.0	43.9	45.3	46.7	48.4
36.25°	28.9	31.1	33.6	36.0	38.4	40.8	43.2	44.7	46.1	47.7	49.4
35°	29.7	32.1	34.6	37.1	39.5	42.0	43.9	45.5	47.0	48.7	50.5



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	30.5	33.0	35.6	38.1	40.6	43.1	44.7	46.2	47.9	49.7	51.5
32.5°	31.4	34.0	36.6	39.1	41.7	43.8	45.4	47.0	48.8	50.7	52.1
31.25°	32.2	34.9	37.5	40.1	42.7	44.5	46.1	47.8	49.7	51.6	52.4
30°	33.0	35.7	38.4	41.0	43.5	45.1	46.8	48.6	50.6	52.1	52.7
28.75°	33.8	36.6	39.3	42.0	44.1	45.7	47.5	49.5	51.4	52.4	53.1
27.5°	34.6	37.4	40.1	42.8	44.6	46.3	48.2	50.2	52.0	52.7	53.3
26.25°	35.3	38.1	40.9	43.5	45.2	46.9	48.9	51.0	52.3	53.0	53.5
25°	36.0	38.9	41.7	44.0	45.7	47.5	49.6	51.7	52.5	53.2	53.5
23.75°	36.7	39.6	42.4	44.5	46.2	48.2	50.3	52.1	52.8	53.5	53.5
22.5°	37.3	40.2	43.1	44.9	46.7	48.8	50.9	52.3	53.0	53.5	53.5
21.25°	38.0	40.9	43.5	45.4	47.2	49.4	51.5	52.5	53.2	53.5	53.5
20°	38.5	41.5	43.9	45.8	47.7	49.9	52.0	52.7	53.4	53.5	53.5
18.75°	39.1	42.1	44.3	46.2	48.2	50.4	52.2	52.9	53.5	53.5	53.5
17.5°	39.6	42.6	44.7	46.5	48.7	50.9	52.3	53.1	53.5	53.5	53.5
16.25°	40.1	43.1	45.0	46.9	49.1	51.4	52.5	53.2	53.5	53.5	53.5
15°	40.5	43.4	45.3	47.2	49.5	51.8	52.6	53.4	53.5	53.5	53.5
13.75°	40.9	43.7	45.6	47.6	49.9	52.0	52.8	53.5	53.5	53.5	53.5
12.5°	41.3	43.9	45.9	47.9	50.2	52.1	52.9	53.5	53.5	53.5	53.5
11.25°	41.6	44.1	46.1	48.2	50.6	52.2	53.0	53.5	53.5	53.5	53.5
10°	41.9	44.3	46.3	48.5	50.8	52.3	53.1	53.5	53.5	53.5	53.5
8.75°	42.2	44.5	46.5	48.7	51.1	52.4	53.2	53.5	53.5	53.5	53.5
7.5°	42.4	44.7	46.6	48.9	51.3	52.5	53.3	53.5	53.5	53.5	53.5
6.25°	42.6	44.8	46.8	49.1	51.5	52.6	53.3	53.5	53.5	53.5	53.5
5°	42.8	44.9	46.9	49.2	51.6	52.6	53.4	53.5	53.5	53.5	53.5
3.75°	42.9	45.0	47.0	49.4	51.8	52.6	53.4	53.5	53.5	53.5	53.5
2.5°	43.0	45.1	47.0	49.4	51.8	52.7	53.5	53.5	53.5	53.5	53.5
1.25°	43.1	45.1	47.1	49.5	51.9	52.7	53.5	53.5	53.5	53.5	53.5
0°	43.1	45.1	47.1	49.5	51.9	52.7	53.5	53.5	53.5	53.5	53.5
-1.25°	43.1	45.1	47.1	49.5	51.9	52.7	53.5	53.5	53.5	53.5	53.5
-2.5°	43.0	45.1	47.0	49.4	51.8	52.7	53.5	53.5	53.5	53.5	53.5
-3.75°	42.9	45.0	47.0	49.4	51.8	52.6	53.4	53.5	53.5	53.5	53.5
-5°	42.8	44.9	46.9	49.2	51.6	52.6	53.4	53.5	53.5	53.5	53.5
-6.25°	42.6	44.8	46.8	49.1	51.5	52.6	53.3	53.5	53.5	53.5	53.5
-7.5°	42.4	44.7	46.6	48.9	51.3	52.5	53.3	53.5	53.5	53.5	53.5
-8.75°	42.2	44.5	46.5	48.7	51.1	52.4	53.2	53.5	53.5	53.5	53.5
-10°	41.9	44.3	46.3	48.5	50.8	52.3	53.1	53.5	53.5	53.5	53.5
-11.25°	41.6	44.1	46.1	48.2	50.6	52.2	53.0	53.5	53.5	53.5	53.5
-12.5°	41.3	43.9	45.9	47.9	50.2	52.1	52.9	53.5	53.5	53.5	53.5
-13.75°	40.9	43.7	45.6	47.6	49.9	52.0	52.8	53.5	53.5	53.5	53.5
-15°	40.5	43.4	45.3	47.2	49.5	51.8	52.6	53.4	53.5	53.5	53.5
-16.25°	40.1	43.1	45.0	46.9	49.1	51.4	52.5	53.2	53.5	53.5	53.5
-17.5°	39.6	42.6	44.7	46.5	48.7	50.9	52.3	53.1	53.5	53.5	53.5
-18.75°	39.1	42.1	44.3	46.2	48.2	50.4	52.2	52.9	53.5	53.5	53.5
-20°	38.5	41.5	43.9	45.8	47.7	49.9	52.0	52.7	53.4	53.5	53.5
-21.25°	38.0	40.9	43.5	45.4	47.2	49.4	51.5	52.5	53.2	53.5	53.5





REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	37.3	40.2	43.1	44.9	46.7	48.8	50.9	52.3	53.0	53.5	53.5
-23.75°	36.7	39.6	42.4	44.5	46.2	48.2	50.3	52.1	52.8	53.5	53.5
-25°	36.0	38.9	41.7	44.0	45.7	47.5	49.6	51.7	52.5	53.2	53.5
-26.25°	35.3	38.1	40.9	43.5	45.2	46.9	48.9	51.0	52.3	53.0	53.5
-27.5°	34.6	37.4	40.1	42.8	44.6	46.3	48.2	50.2	52.0	52.7	53.3
-28.75°	33.8	36.6	39.3	42.0	44.1	45.7	47.5	49.5	51.4	52.4	53.1
-30°	33.0	35.7	38.4	41.0	43.5	45.1	46.8	48.6	50.6	52.1	52.7
-31.25°	32.2	34.9	37.5	40.1	42.7	44.5	46.1	47.8	49.7	51.6	52.4
-32.5°	31.4	34.0	36.6	39.1	41.7	43.8	45.4	47.0	48.8	50.7	52.1
-33.75°	30.5	33.0	35.6	38.1	40.6	43.1	44.7	46.2	47.9	49.7	51.5
-35°	29.7	32.1	34.6	37.1	39.5	42.0	43.9	45.5	47.0	48.7	50.5
-36.25°	28.9	31.1	33.6	36.0	38.4	40.8	43.2	44.7	46.1	47.7	49.4
-37.5°	28.0	30.1	32.5	34.9	37.3	39.7	42.0	43.9	45.3	46.7	48.4
-38.75°	27.2	29.3	31.5	33.8	36.1	38.4	40.7	43.0	44.5	45.9	47.3
-40°	26.3	28.3	30.4	32.6	34.9	37.2	39.4	41.7	43.6	44.9	46.3
-41.25°	25.4	27.4	29.4	31.5	33.7	35.9	38.1	40.3	42.4	44.0	45.3
-42.5°	24.5	26.4	28.4	30.3	32.4	34.6	36.7	38.9	41.0	43.1	44.4
-43.75°	23.7	25.4	27.3	29.2	31.2	33.3	35.4	37.4	39.5	41.5	43.4
-45°	22.9	24.5	26.3	28.1	29.9	31.9	34.0	36.0	38.0	40.0	41.9
-46.25°	22.1	23.6	25.2	27.0	28.8	30.5	32.5	34.5	36.4	38.4	40.3
-47.5°	21.3	22.7	24.2	25.9	27.6	29.3	31.1	33.0	34.9	36.7	38.6
-48.75°	20.4	21.9	23.3	24.7	26.4	28.0	29.7	31.4	33.3	35.1	36.9
-50°	19.7	21.0	22.3	23.7	25.2	26.8	28.4	29.9	31.7	33.4	35.2
-51.25°	19.1	20.0	21.4	22.7	24.0	25.5	27.0	28.6	30.1	31.7	33.4
-52.5°	18.5	19.4	20.4	21.7	23.0	24.3	25.7	27.2	28.6	30.1	31.7
-53.75°	17.9	18.8	19.6	20.7	21.9	23.2	24.4	25.7	27.2	28.6	29.9
-55°	17.3	18.1	18.9	19.8	20.8	22.0	23.2	24.4	25.7	27.0	28.4
-56.25°	16.7	17.4	18.2	19.0	19.8	20.9	22.0	23.2	24.3	25.5	26.8
-57.5°	16.4	16.8	17.5	18.3	19.1	19.8	20.8	21.9	23.0	24.0	25.2
-58.75°	16.1	16.4	16.8	17.6	18.3	19.0	19.8	20.7	21.7	22.7	23.7
-60°	15.7	16.1	16.5	16.8	17.5	18.2	18.9	19.6	20.4	21.4	22.3
-61.25°	15.4	15.8	16.1	16.4	16.8	17.4	18.1	18.8	19.4	20.0	21.0
-62.5°	15.0	15.4	15.7	16.1	16.4	16.7	17.3	17.9	18.5	19.1	19.7
-63.75°	14.5	15.0	15.4	15.7	16.0	16.3	16.6	17.0	17.6	18.2	18.7
-65°	14.0	14.5	14.9	15.3	15.6	15.9	16.2	16.5	16.7	17.2	17.8
-66.25°	13.5	13.9	14.4	14.8	15.2	15.5	15.7	16.0	16.3	16.5	16.8
-67.5°	13.0	13.4	13.8	14.2	14.6	15.0	15.3	15.6	15.8	16.1	16.3
-68.75°	12.3	12.8	13.2	13.6	14.0	14.4	14.7	15.1	15.4	15.6	15.8
-70°	11.6	12.1	12.6	13.0	13.4	13.7	14.1	14.4	14.7	15.1	15.3
-71.25°	10.9	11.4	11.8	12.3	12.7	13.1	13.4	13.7	14.0	14.3	14.6
-72.5°	10.2	10.6	11.1	11.5	11.9	12.3	12.7	13.0	13.3	13.6	13.9
-73.75°	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.2	12.6	12.9	13.1
-75°	8.8	9.2	9.5	9.9	10.2	10.6	10.9	11.3	11.6	11.9	12.3
-76.25°	8.1	8.4	8.7	9.1	9.4	9.7	10.0	10.3	10.6	11.0	11.2
-77.5°	7.3	7.6	8.0	8.3	8.5	8.8	9.1	9.4	9.7	10.0	10.2



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	6.6	6.9	7.2	7.4	7.7	8.0	8.2	8.5	8.7	9.0	9.2
-80°	5.8	6.1	6.4	6.6	6.9	7.1	7.3	7.5	7.8	8.0	8.2
-81.25°	4.8	5.1	5.4	5.6	5.9	6.2	6.4	6.6	6.8	7.0	7.2
-82.5°	3.9	4.2	4.4	4.6	4.8	5.1	5.3	5.5	5.7	5.9	6.1
-83.75°	3.0	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.8
-85°	2.2	2.3	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.5
-86.25°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3
-87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
-88.75°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
87.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
86.25°	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2
85°	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
83.75°	5.0	5.1	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.4
82.5°	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3	7.5	7.6	7.7
81.25°	7.4	7.6	7.7	7.9	8.1	8.2	8.4	8.6	8.7	8.9	9.0
80°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.1	10.3
78.75°	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.0	11.2	11.4	11.6
77.5°	10.5	10.8	11.0	11.3	11.5	11.8	12.0	12.2	12.4	12.7	12.9
76.25°	11.5	11.8	12.1	12.4	12.7	12.9	13.1	13.3	13.5	13.6	13.8
75°	12.6	12.9	13.1	13.3	13.5	13.8	14.0	14.2	14.4	14.6	14.8
73.75°	13.4	13.7	13.9	14.2	14.4	14.6	14.9	15.1	15.3	15.4	15.5
72.5°	14.2	14.5	14.7	15.0	15.2	15.4	15.6	15.7	15.9	16.0	16.2
71.25°	14.9	15.2	15.4	15.6	15.8	16.0	16.2	16.3	16.5	16.7	16.8
70°	15.5	15.8	16.0	16.2	16.4	16.5	16.7	17.0	17.4	17.8	18.1
68.75°	16.0	16.3	16.5	16.7	17.0	17.4	17.8	18.2	18.6	19.0	19.4
67.5°	16.6	16.8	17.2	17.7	18.1	18.6	19.0	19.4	19.8	20.3	20.9
66.25°	17.3	17.8	18.3	18.8	19.2	19.7	20.2	20.9	21.5	22.1	22.7
65°	18.3	18.8	19.4	19.9	20.5	21.2	21.9	22.6	23.3	23.9	24.6
63.75°	19.3	19.9	20.6	21.4	22.1	22.9	23.6	24.3	25.1	25.9	26.7
62.5°	20.4	21.3	22.1	22.9	23.7	24.5	25.4	26.3	27.2	28.0	28.9
61.25°	21.9	22.7	23.6	24.5	25.4	26.4	27.4	28.3	29.3	30.1	31.1
60°	23.3	24.2	25.2	26.3	27.3	28.4	29.4	30.4	31.5	32.5	33.6
58.75°	24.7	25.9	27.0	28.1	29.2	30.3	31.5	32.6	33.8	34.9	36.0
57.5°	26.4	27.6	28.8	29.9	31.2	32.4	33.7	34.9	36.1	37.3	38.4
56.25°	28.0	29.3	30.5	31.9	33.3	34.6	35.9	37.2	38.4	39.7	40.8
55°	29.7	31.1	32.5	34.0	35.4	36.7	38.1	39.4	40.7	42.0	43.2
53.75°	31.4	33.0	34.5	36.0	37.4	38.9	40.3	41.7	43.0	43.9	44.7
52.5°	33.3	34.9	36.4	38.0	39.5	41.0	42.4	43.6	44.5	45.3	46.1
51.25°	35.1	36.7	38.4	40.0	41.5	43.1	44.0	44.9	45.9	46.7	47.7
50°	36.9	38.6	40.3	41.9	43.4	44.4	45.3	46.3	47.3	48.4	49.4
48.75°	38.7	40.4	42.1	43.6	44.6	45.6	46.6	47.7	48.9	50.1	51.2
47.5°	40.4	42.2	43.7	44.8	45.8	46.9	48.1	49.3	50.5	51.7	52.2
46.25°	42.1	43.7	44.8	45.9	47.0	48.4	49.6	50.9	52.0	52.4	52.8
45°	43.6	44.8	45.9	47.1	48.5	49.8	51.2	52.1	52.5	52.9	53.4
43.75°	44.6	45.8	47.0	48.5	49.9	51.3	52.2	52.6	53.0	53.5	53.5
42.5°	45.6	46.9	48.4	49.8	51.3	52.2	52.6	53.1	53.5	53.5	53.5
41.25°	46.6	48.1	49.6	51.2	52.2	52.6	53.1	53.5	53.5	53.5	53.5
40°	47.7	49.3	50.9	52.1	52.6	53.1	53.5	53.5	53.5	53.5	53.5
38.75°	48.9	50.5	52.0	52.5	53.0	53.5	53.5	53.5	53.5	53.5	53.5
37.5°	50.1	51.7	52.4	52.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5
36.25°	51.2	52.2	52.8	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.9
35°	52.0	52.6	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.8	54.4



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	52.4	53.0	53.5	53.5	53.5	53.5	53.5	53.5	53.8	54.3	54.8
32.5°	52.7	53.3	53.5	53.5	53.5	53.5	53.5	53.7	54.2	54.8	55.4
31.25°	53.1	53.5	53.5	53.5	53.5	53.5	53.5	54.1	54.7	55.3	56.1
30°	53.4	53.5	53.5	53.5	53.5	53.5	53.9	54.5	55.1	56.0	56.8
28.75°	53.5	53.5	53.5	53.5	53.5	53.7	54.3	54.9	55.7	56.6	57.5
27.5°	53.5	53.5	53.5	53.5	53.5	54.0	54.7	55.4	56.3	57.2	58.1
26.25°	53.5	53.5	53.5	53.5	53.7	54.4	55.0	56.0	56.9	57.8	58.8
25°	53.5	53.5	53.5	53.5	54.1	54.7	55.5	56.5	57.5	58.4	59.4
23.75°	53.5	53.5	53.5	53.7	54.4	55.1	56.0	57.0	58.0	59.0	60.0
22.5°	53.5	53.5	53.5	54.0	54.7	55.5	56.5	57.5	58.6	59.5	60.5
21.25°	53.5	53.5	53.6	54.3	55.0	56.0	57.0	58.0	59.1	60.1	61.0
20°	53.5	53.5	53.8	54.6	55.3	56.4	57.5	58.5	59.5	60.5	61.5
18.75°	53.5	53.5	54.1	54.8	55.7	56.8	57.9	58.9	60.0	61.0	62.0
17.5°	53.5	53.6	54.3	55.0	56.1	57.2	58.3	59.4	60.4	61.4	62.5
16.25°	53.5	53.8	54.5	55.3	56.5	57.6	58.7	59.8	60.8	61.8	62.9
15°	53.5	54.0	54.7	55.7	56.8	57.9	59.0	60.1	61.2	62.2	63.3
13.75°	53.5	54.1	54.9	55.9	57.1	58.2	59.3	60.4	61.5	62.6	63.7
12.5°	53.5	54.3	55.1	56.2	57.4	58.5	59.6	60.7	61.8	62.9	64.1
11.25°	53.7	54.5	55.3	56.5	57.6	58.8	59.9	61.0	62.1	63.2	64.4
10°	53.8	54.6	55.5	56.7	57.8	59.0	60.1	61.3	62.4	63.5	64.8
8.75°	53.9	54.7	55.7	56.9	58.0	59.2	60.4	61.5	62.6	63.8	65.3
7.5°	54.0	54.8	55.9	57.0	58.2	59.4	60.5	61.7	62.8	64.0	65.7
6.25°	54.1	54.9	56.0	57.2	58.4	59.5	60.7	61.8	63.0	64.2	66.1
5°	54.2	55.0	56.1	57.3	58.5	59.7	60.8	62.0	63.1	64.3	66.4
3.75°	54.2	55.0	56.2	57.4	58.6	59.8	60.9	62.1	63.3	64.4	66.7
2.5°	54.3	55.1	56.2	57.4	58.6	59.8	61.0	62.1	63.3	64.5	66.9
1.25°	54.3	55.1	56.3	57.5	58.7	59.9	61.0	62.2	63.4	64.6	67.0
0°	54.3	55.1	56.3	57.5	58.7	59.9	61.1	62.2	63.4	64.6	67.0
-1.25°	54.3	55.1	56.3	57.5	58.7	59.9	61.0	62.2	63.4	64.6	67.0
-2.5°	54.3	55.1	56.2	57.4	58.6	59.8	61.0	62.1	63.3	64.5	66.9
-3.75°	54.2	55.0	56.2	57.4	58.6	59.8	60.9	62.1	63.3	64.4	66.7
-5°	54.2	55.0	56.1	57.3	58.5	59.7	60.8	62.0	63.1	64.3	66.4
-6.25°	54.1	54.9	56.0	57.2	58.4	59.5	60.7	61.8	63.0	64.2	66.1
-7.5°	54.0	54.8	55.9	57.0	58.2	59.4	60.5	61.7	62.8	64.0	65.7
-8.75°	53.9	54.7	55.7	56.9	58.0	59.2	60.4	61.5	62.6	63.8	65.3
-10°	53.8	54.6	55.5	56.7	57.8	59.0	60.1	61.3	62.4	63.5	64.8
-11.25°	53.7	54.5	55.3	56.5	57.6	58.8	59.9	61.0	62.1	63.2	64.4
-12.5°	53.5	54.3	55.1	56.2	57.4	58.5	59.6	60.7	61.8	62.9	64.1
-13.75°	53.5	54.1	54.9	55.9	57.1	58.2	59.3	60.4	61.5	62.6	63.7
-15°	53.5	54.0	54.7	55.7	56.8	57.9	59.0	60.1	61.2	62.2	63.3
-16.25°	53.5	53.8	54.5	55.3	56.5	57.6	58.7	59.8	60.8	61.8	62.9
-17.5°	53.5	53.6	54.3	55.0	56.1	57.2	58.3	59.4	60.4	61.4	62.5
-18.75°	53.5	53.5	54.1	54.8	55.7	56.8	57.9	58.9	60.0	61.0	62.0
-20°	53.5	53.5	53.8	54.6	55.3	56.4	57.5	58.5	59.5	60.5	61.5
-21.25°	53.5	53.5	53.6	54.3	55.0	56.0	57.0	58.0	59.1	60.1	61.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	53.5	53.5	53.5	54.0	54.7	55.5	56.5	57.5	58.6	59.5	60.5
-23.75°	53.5	53.5	53.5	53.7	54.4	55.1	56.0	57.0	58.0	59.0	60.0
-25°	53.5	53.5	53.5	53.5	54.1	54.7	55.5	56.5	57.5	58.4	59.4
-26.25°	53.5	53.5	53.5	53.5	53.7	54.4	55.0	56.0	56.9	57.8	58.8
-27.5°	53.5	53.5	53.5	53.5	53.5	54.0	54.7	55.4	56.3	57.2	58.1
-28.75°	53.5	53.5	53.5	53.5	53.5	53.7	54.3	54.9	55.7	56.6	57.5
-30°	53.4	53.5	53.5	53.5	53.5	53.5	53.9	54.5	55.1	56.0	56.8
-31.25°	53.1	53.5	53.5	53.5	53.5	53.5	53.5	54.1	54.7	55.3	56.1
-32.5°	52.7	53.3	53.5	53.5	53.5	53.5	53.5	53.7	54.2	54.8	55.4
-33.75°	52.4	53.0	53.5	53.5	53.5	53.5	53.5	53.5	53.8	54.3	54.8
-35°	52.0	52.6	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.8	54.4
-36.25°	51.2	52.2	52.8	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.9
-37.5°	50.1	51.7	52.4	52.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-38.75°	48.9	50.5	52.0	52.5	53.0	53.5	53.5	53.5	53.5	53.5	53.5
-40°	47.7	49.3	50.9	52.1	52.6	53.1	53.5	53.5	53.5	53.5	53.5
-41.25°	46.6	48.1	49.6	51.2	52.2	52.6	53.1	53.5	53.5	53.5	53.5
-42.5°	45.6	46.9	48.4	49.8	51.3	52.2	52.6	53.1	53.5	53.5	53.5
-43.75°	44.6	45.8	47.0	48.5	49.9	51.3	52.2	52.6	53.0	53.5	53.5
-45°	43.6	44.8	45.9	47.1	48.5	49.8	51.2	52.1	52.5	52.9	53.4
-46.25°	42.1	43.7	44.8	45.9	47.0	48.4	49.6	50.9	52.0	52.4	52.8
-47.5°	40.4	42.2	43.7	44.8	45.8	46.9	48.1	49.3	50.5	51.7	52.2
-48.75°	38.7	40.4	42.1	43.6	44.6	45.6	46.6	47.7	48.9	50.1	51.2
-50°	36.9	38.6	40.3	41.9	43.4	44.4	45.3	46.3	47.3	48.4	49.4
-51.25°	35.1	36.7	38.4	40.0	41.5	43.1	44.0	44.9	45.9	46.7	47.7
-52.5°	33.3	34.9	36.4	38.0	39.5	41.0	42.4	43.6	44.5	45.3	46.1
-53.75°	31.4	33.0	34.5	36.0	37.4	38.9	40.3	41.7	43.0	43.9	44.7
-55°	29.7	31.1	32.5	34.0	35.4	36.7	38.1	39.4	40.7	42.0	43.2
-56.25°	28.0	29.3	30.5	31.9	33.3	34.6	35.9	37.2	38.4	39.7	40.8
-57.5°	26.4	27.6	28.8	29.9	31.2	32.4	33.7	34.9	36.1	37.3	38.4
-58.75°	24.7	25.9	27.0	28.1	29.2	30.3	31.5	32.6	33.8	34.9	36.0
-60°	23.3	24.2	25.2	26.3	27.3	28.4	29.4	30.4	31.5	32.5	33.6
-61.25°	21.9	22.7	23.6	24.5	25.4	26.4	27.4	28.3	29.3	30.1	31.1
-62.5°	20.4	21.3	22.1	22.9	23.7	24.5	25.4	26.3	27.2	28.0	28.9
-63.75°	19.3	19.9	20.6	21.4	22.1	22.9	23.6	24.3	25.1	25.9	26.7
-65°	18.3	18.8	19.4	19.9	20.5	21.2	21.9	22.6	23.3	23.9	24.6
-66.25°	17.3	17.8	18.3	18.8	19.2	19.7	20.2	20.9	21.5	22.1	22.7
-67.5°	16.6	16.8	17.2	17.7	18.1	18.6	19.0	19.4	19.8	20.3	20.9
-68.75°	16.0	16.3	16.5	16.7	17.0	17.4	17.8	18.2	18.6	19.0	19.4
-70°	15.5	15.8	16.0	16.2	16.4	16.5	16.7	17.0	17.4	17.8	18.1
-71.25°	14.9	15.2	15.4	15.6	15.8	16.0	16.2	16.3	16.5	16.7	16.8
-72.5°	14.2	14.5	14.7	15.0	15.2	15.4	15.6	15.7	15.9	16.0	16.2
-73.75°	13.4	13.7	13.9	14.2	14.4	14.6	14.9	15.1	15.3	15.4	15.5
-75°	12.6	12.9	13.1	13.3	13.5	13.8	14.0	14.2	14.4	14.6	14.8
-76.25°	11.5	11.8	12.1	12.4	12.7	12.9	13.1	13.3	13.5	13.6	13.8
-77.5°	10.5	10.8	11.0	11.3	11.5	11.8	12.0	12.2	12.4	12.7	12.9



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.0	11.2	11.4	11.6
-80°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.1	10.3
-81.25°	7.4	7.6	7.7	7.9	8.1	8.2	8.4	8.6	8.7	8.9	9.0
-82.5°	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3	7.5	7.6	7.7
-83.75°	5.0	5.1	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.4
-85°	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
-86.25°	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2
-87.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
-88.75°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
86.25°	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.9	3.9
85°	5.0	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8
83.75°	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4
82.5°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
81.25°	9.2	9.3	9.4	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3
80°	10.5	10.6	10.8	10.9	11.1	11.2	11.3	11.5	11.6	11.7	11.8
78.75°	11.8	11.9	12.1	12.3	12.5	12.6	12.8	12.9	13.0	13.1	13.2
77.5°	13.0	13.2	13.3	13.4	13.6	13.7	13.8	13.9	14.1	14.2	14.3
76.25°	14.0	14.1	14.3	14.5	14.6	14.7	14.9	15.0	15.1	15.2	15.3
75°	15.0	15.1	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1
73.75°	15.7	15.8	15.9	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8
72.5°	16.3	16.5	16.6	16.7	16.9	17.2	17.4	17.6	17.8	18.0	18.2
71.25°	17.1	17.4	17.7	18.0	18.3	18.6	18.8	19.0	19.3	19.5	19.7
70°	18.4	18.7	19.1	19.4	19.7	19.9	20.3	20.7	21.0	21.4	21.7
68.75°	19.7	20.1	20.6	21.0	21.5	21.9	22.4	22.8	23.2	23.5	23.9
67.5°	21.4	22.0	22.5	23.0	23.5	24.0	24.4	24.9	25.4	25.8	26.3
66.25°	23.3	23.9	24.4	25.0	25.6	26.2	26.8	27.3	27.9	28.4	28.8
65°	25.3	26.0	26.7	27.3	28.0	28.6	29.2	29.8	30.4	31.0	31.5
63.75°	27.5	28.2	29.0	29.7	30.4	31.1	31.8	32.5	33.2	33.8	34.4
62.5°	29.7	30.5	31.4	32.2	33.0	33.8	34.6	35.3	36.0	36.7	37.3
61.25°	32.1	33.0	34.0	34.9	35.7	36.6	37.4	38.1	38.9	39.6	40.2
60°	34.6	35.6	36.6	37.5	38.4	39.3	40.1	40.9	41.7	42.4	43.1
58.75°	37.1	38.1	39.1	40.1	41.0	42.0	42.8	43.5	44.0	44.5	44.9
57.5°	39.5	40.6	41.7	42.7	43.5	44.1	44.6	45.2	45.7	46.2	46.7
56.25°	42.0	43.1	43.8	44.5	45.1	45.7	46.3	46.9	47.5	48.2	48.8
55°	43.9	44.7	45.4	46.1	46.8	47.5	48.2	48.9	49.6	50.3	50.9
53.75°	45.5	46.2	47.0	47.8	48.6	49.5	50.2	51.0	51.7	52.1	52.3
52.5°	47.0	47.9	48.8	49.7	50.6	51.4	52.0	52.3	52.5	52.8	53.0
51.25°	48.7	49.7	50.7	51.6	52.1	52.4	52.7	53.0	53.2	53.5	53.5
50°	50.5	51.5	52.1	52.4	52.7	53.1	53.3	53.5	53.5	53.5	53.5
48.75°	52.0	52.4	52.7	53.1	53.4	53.5	53.5	53.5	53.5	53.5	53.5
47.5°	52.6	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
46.25°	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
45°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	54.0
43.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	54.1	54.4	54.7
42.5°	53.5	53.5	53.5	53.5	53.5	53.7	54.0	54.4	54.7	55.1	55.5
41.25°	53.5	53.5	53.5	53.5	53.9	54.3	54.7	55.0	55.5	56.0	56.5
40°	53.5	53.5	53.7	54.1	54.5	54.9	55.4	56.0	56.5	57.0	57.5
38.75°	53.5	53.8	54.2	54.7	55.1	55.7	56.3	56.9	57.5	58.0	58.6
37.5°	53.8	54.3	54.8	55.3	56.0	56.6	57.2	57.8	58.4	59.0	59.5
36.25°	54.4	54.8	55.4	56.1	56.8	57.5	58.1	58.8	59.4	60.0	60.5
35°	54.9	55.5	56.3	57.0	57.7	58.4	59.0	59.7	60.3	60.9	61.4



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	55.5	56.3	57.0	57.8	58.5	59.2	59.9	60.6	61.2	61.8	62.4
32.5°	56.3	57.0	57.8	58.6	59.3	60.1	60.8	61.4	62.1	62.7	63.3
31.25°	57.0	57.8	58.6	59.4	60.1	60.9	61.6	62.3	63.0	63.6	64.3
30°	57.7	58.5	59.3	60.1	60.9	61.6	62.4	63.1	63.8	64.5	65.8
28.75°	58.4	59.2	60.1	60.9	61.6	62.4	63.2	64.0	64.8	66.3	67.7
27.5°	59.0	59.9	60.8	61.6	62.4	63.2	64.0	65.0	66.5	68.0	69.6
26.25°	59.7	60.6	61.4	62.3	63.1	64.0	65.0	66.6	68.2	70.4	74.6
25°	60.3	61.2	62.1	63.0	63.8	64.8	66.5	68.2	70.6	75.1	79.5
23.75°	60.9	61.8	62.7	63.6	64.5	66.3	68.0	70.4	75.1	79.8	84.5
22.5°	61.4	62.4	63.3	64.3	65.8	67.7	69.6	74.6	79.5	84.5	90.0
21.25°	62.0	63.0	63.9	65.2	67.1	69.0	73.5	78.7	83.9	89.7	95.4
20°	62.5	63.5	64.5	66.4	68.4	72.0	77.4	82.6	88.7	94.7	101.5
18.75°	63.0	64.1	65.6	67.6	69.9	75.5	81.0	87.1	93.3	99.8	110.1
17.5°	63.5	64.6	66.6	68.7	73.1	78.8	84.8	91.3	97.8	107.3	132.3
16.25°	64.0	65.5	67.6	70.3	76.2	82.0	88.7	95.4	103.8	123.8	173.6
15°	64.4	66.4	68.5	73.0	79.1	85.4	92.3	99.3	112.1	149.0	226.4
13.75°	65.0	67.2	69.4	75.6	81.7	88.7	95.8	105.1	129.5	192.1	289.5
12.5°	65.8	68.0	71.7	78.0	84.4	91.7	99.0	112.8	155.0	241.6	355.2
11.25°	66.4	68.7	73.8	80.2	87.1	94.5	103.7	127.0	190.5	293.6	418.6
10°	67.0	69.3	75.7	82.2	89.6	97.1	108.0	141.5	228.2	346.5	481.0
8.75°	67.6	70.8	77.4	84.1	91.7	99.6	116.6	169.0	268.6	396.0	537.3
7.5°	68.1	72.2	78.9	85.9	93.6	102.8	126.3	193.2	304.2	441.1	587.1
6.25°	68.5	73.4	80.1	87.4	95.3	105.5	134.5	215.7	339.2	481.5	629.8
5°	68.8	74.4	81.1	88.7	96.6	107.8	144.8	239.7	368.5	514.9	665.3
3.75°	69.1	75.2	82.0	89.7	97.6	110.1	157.5	258.4	391.5	541.2	693.1
2.5°	69.3	75.8	82.5	90.4	98.4	113.8	166.7	271.9	408.1	560.2	713.2
1.25°	69.4	76.1	82.9	90.9	98.8	116.0	172.2	280.0	418.1	571.6	725.3
0°	69.4	76.2	83.0	91.0	99.0	116.7	174.0	282.8	421.4	575.4	729.4
-1.25°	69.4	76.1	82.9	90.9	98.8	116.0	172.2	280.0	418.1	571.6	725.3
-2.5°	69.3	75.8	82.5	90.4	98.4	113.8	166.7	271.9	408.1	560.2	713.2
-3.75°	69.1	75.2	82.0	89.7	97.6	110.1	157.5	258.4	391.5	541.2	693.1
-5°	68.8	74.4	81.1	88.7	96.6	107.8	144.8	239.7	368.5	514.9	665.3
-6.25°	68.5	73.4	80.1	87.4	95.3	105.5	134.5	215.7	339.2	481.5	629.8
-7.5°	68.1	72.2	78.9	85.9	93.6	102.8	126.3	193.2	304.2	441.1	587.1
-8.75°	67.6	70.8	77.4	84.1	91.7	99.6	116.6	169.0	268.6	396.0	537.3
-10°	67.0	69.3	75.7	82.2	89.6	97.1	108.0	141.5	228.2	346.5	481.0
-11.25°	66.4	68.7	73.8	80.2	87.1	94.5	103.7	127.0	190.5	293.6	418.6
-12.5°	65.8	68.0	71.7	78.0	84.4	91.7	99.0	112.8	155.0	241.6	355.2
-13.75°	65.0	67.2	69.4	75.6	81.7	88.7	95.8	105.1	129.5	192.1	289.5
-15°	64.4	66.4	68.5	73.0	79.1	85.4	92.3	99.3	112.1	149.0	226.4
-16.25°	64.0	65.5	67.6	70.3	76.2	82.0	88.7	95.4	103.8	123.8	173.6
-17.5°	63.5	64.6	66.6	68.7	73.1	78.8	84.8	91.3	97.8	107.3	132.3
-18.75°	63.0	64.1	65.6	67.6	69.9	75.5	81.0	87.1	93.3	99.8	110.1
-20°	62.5	63.5	64.5	66.4	68.4	72.0	77.4	82.6	88.7	94.7	101.5
-21.25°	62.0	63.0	63.9	65.2	67.1	69.0	73.5	78.7	83.9	89.7	95.4





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	61.4	62.4	63.3	64.3	65.8	67.7	69.6	74.6	79.5	84.5	90.0
-23.75°	60.9	61.8	62.7	63.6	64.5	66.3	68.0	70.4	75.1	79.8	84.5
-25°	60.3	61.2	62.1	63.0	63.8	64.8	66.5	68.2	70.6	75.1	79.5
-26.25°	59.7	60.6	61.4	62.3	63.1	64.0	65.0	66.6	68.2	70.4	74.6
-27.5°	59.0	59.9	60.8	61.6	62.4	63.2	64.0	65.0	66.5	68.0	69.6
-28.75°	58.4	59.2	60.1	60.9	61.6	62.4	63.2	64.0	64.8	66.3	67.7
-30°	57.7	58.5	59.3	60.1	60.9	61.6	62.4	63.1	63.8	64.5	65.8
-31.25°	57.0	57.8	58.6	59.4	60.1	60.9	61.6	62.3	63.0	63.6	64.3
-32.5°	56.3	57.0	57.8	58.6	59.3	60.1	60.8	61.4	62.1	62.7	63.3
-33.75°	55.5	56.3	57.0	57.8	58.5	59.2	59.9	60.6	61.2	61.8	62.4
-35°	54.9	55.5	56.3	57.0	57.7	58.4	59.0	59.7	60.3	60.9	61.4
-36.25°	54.4	54.8	55.4	56.1	56.8	57.5	58.1	58.8	59.4	60.0	60.5
-37.5°	53.8	54.3	54.8	55.3	56.0	56.6	57.2	57.8	58.4	59.0	59.5
-38.75°	53.5	53.8	54.2	54.7	55.1	55.7	56.3	56.9	57.5	58.0	58.6
-40°	53.5	53.5	53.7	54.1	54.5	54.9	55.4	56.0	56.5	57.0	57.5
-41.25°	53.5	53.5	53.5	53.5	53.9	54.3	54.7	55.0	55.5	56.0	56.5
-42.5°	53.5	53.5	53.5	53.5	53.5	53.7	54.0	54.4	54.7	55.1	55.5
-43.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	54.1	54.4	54.7
-45°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	54.0
-46.25°	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-47.5°	52.6	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-48.75°	52.0	52.4	52.7	53.1	53.4	53.5	53.5	53.5	53.5	53.5	53.5
-50°	50.5	51.5	52.1	52.4	52.7	53.1	53.3	53.5	53.5	53.5	53.5
-51.25°	48.7	49.7	50.7	51.6	52.1	52.4	52.7	53.0	53.2	53.5	53.5
-52.5°	47.0	47.9	48.8	49.7	50.6	51.4	52.0	52.3	52.5	52.8	53.0
-53.75°	45.5	46.2	47.0	47.8	48.6	49.5	50.2	51.0	51.7	52.1	52.3
-55°	43.9	44.7	45.4	46.1	46.8	47.5	48.2	48.9	49.6	50.3	50.9
-56.25°	42.0	43.1	43.8	44.5	45.1	45.7	46.3	46.9	47.5	48.2	48.8
-57.5°	39.5	40.6	41.7	42.7	43.5	44.1	44.6	45.2	45.7	46.2	46.7
-58.75°	37.1	38.1	39.1	40.1	41.0	42.0	42.8	43.5	44.0	44.5	44.9
-60°	34.6	35.6	36.6	37.5	38.4	39.3	40.1	40.9	41.7	42.4	43.1
-61.25°	32.1	33.0	34.0	34.9	35.7	36.6	37.4	38.1	38.9	39.6	40.2
-62.5°	29.7	30.5	31.4	32.2	33.0	33.8	34.6	35.3	36.0	36.7	37.3
-63.75°	27.5	28.2	29.0	29.7	30.4	31.1	31.8	32.5	33.2	33.8	34.4
-65°	25.3	26.0	26.7	27.3	28.0	28.6	29.2	29.8	30.4	31.0	31.5
-66.25°	23.3	23.9	24.4	25.0	25.6	26.2	26.8	27.3	27.9	28.4	28.8
-67.5°	21.4	22.0	22.5	23.0	23.5	24.0	24.4	24.9	25.4	25.8	26.3
-68.75°	19.7	20.1	20.6	21.0	21.5	21.9	22.4	22.8	23.2	23.5	23.9
-70°	18.4	18.7	19.1	19.4	19.7	19.9	20.3	20.7	21.0	21.4	21.7
-71.25°	17.1	17.4	17.7	18.0	18.3	18.6	18.8	19.0	19.3	19.5	19.7
-72.5°	16.3	16.5	16.6	16.7	16.9	17.2	17.4	17.6	17.8	18.0	18.2
-73.75°	15.7	15.8	15.9	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8
-75°	15.0	15.1	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1
-76.25°	14.0	14.1	14.3	14.5	14.6	14.7	14.9	15.0	15.1	15.2	15.3
-77.5°	13.0	13.2	13.3	13.4	13.6	13.7	13.8	13.9	14.1	14.2	14.3



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	11.8	11.9	12.1	12.3	12.5	12.6	12.8	12.9	13.0	13.1	13.2
-80°	10.5	10.6	10.8	10.9	11.1	11.2	11.3	11.5	11.6	11.7	11.8
-81.25°	9.2	9.3	9.4	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3
-82.5°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
-83.75°	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4
-85°	5.0	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8
-86.25°	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.9	3.9
-87.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
-88.75°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
86.25°	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.3
85°	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3
83.75°	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9
82.5°	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5
81.25°	10.4	10.5	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.0	11.1
80°	11.9	12.0	12.1	12.2	12.3	12.4	12.4	12.5	12.6	12.6	12.6
78.75°	13.3	13.3	13.4	13.5	13.6	13.6	13.7	13.7	13.8	13.8	13.9
77.5°	14.4	14.5	14.6	14.6	14.7	14.8	14.9	14.9	15.0	15.0	15.1
76.25°	15.4	15.5	15.5	15.6	15.6	15.7	15.7	15.8	15.8	15.9	15.9
75°	16.1	16.2	16.3	16.3	16.4	16.5	16.5	16.6	16.6	16.7	16.7
73.75°	17.0	17.1	17.3	17.4	17.5	17.7	17.8	17.9	18.0	18.1	18.2
72.5°	18.4	18.6	18.8	18.9	19.1	19.2	19.3	19.5	19.6	19.6	19.7
71.25°	19.9	20.2	20.4	20.7	20.9	21.1	21.3	21.5	21.6	21.8	21.9
70°	22.0	22.3	22.6	22.9	23.1	23.4	23.6	23.8	23.9	24.1	24.2
68.75°	24.2	24.5	24.9	25.2	25.5	25.8	26.1	26.3	26.5	26.7	26.9
67.5°	26.7	27.1	27.5	27.8	28.2	28.5	28.8	29.0	29.3	29.5	29.7
66.25°	29.3	29.7	30.1	30.5	30.9	31.3	31.7	32.0	32.3	32.5	32.7
65°	32.1	32.6	33.1	33.5	34.0	34.4	34.7	35.1	35.4	35.7	35.9
63.75°	35.0	35.6	36.1	36.6	37.0	37.4	37.8	38.2	38.5	38.8	39.1
62.5°	38.0	38.5	39.1	39.6	40.1	40.5	40.9	41.3	41.6	41.9	42.2
61.25°	40.9	41.5	42.1	42.6	43.1	43.4	43.7	43.9	44.1	44.3	44.5
60°	43.5	43.9	44.3	44.7	45.0	45.3	45.6	45.9	46.1	46.3	46.5
58.75°	45.4	45.8	46.2	46.5	46.9	47.2	47.6	47.9	48.2	48.5	48.7
57.5°	47.2	47.7	48.2	48.7	49.1	49.5	49.9	50.2	50.6	50.8	51.1
56.25°	49.4	49.9	50.4	50.9	51.4	51.8	52.0	52.1	52.2	52.3	52.4
55°	51.5	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.0	53.1	53.2
53.75°	52.5	52.7	52.9	53.1	53.2	53.4	53.5	53.5	53.5	53.5	53.5
52.5°	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
51.25°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
50°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
48.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.8	53.9
47.5°	53.5	53.5	53.5	53.6	53.8	54.0	54.1	54.3	54.5	54.6	54.7
46.25°	53.6	53.8	54.1	54.3	54.5	54.7	54.9	55.1	55.3	55.5	55.7
45°	54.3	54.6	54.8	55.0	55.3	55.7	55.9	56.2	56.5	56.7	56.9
43.75°	55.0	55.3	55.7	56.1	56.5	56.8	57.1	57.4	57.6	57.8	58.0
42.5°	56.0	56.4	56.8	57.2	57.6	57.9	58.2	58.5	58.8	59.0	59.2
41.25°	57.0	57.5	57.9	58.3	58.7	59.0	59.3	59.6	59.9	60.1	60.4
40°	58.0	58.5	58.9	59.4	59.8	60.1	60.4	60.7	61.0	61.3	61.5
38.75°	59.1	59.5	60.0	60.4	60.8	61.2	61.5	61.8	62.1	62.4	62.6
37.5°	60.1	60.5	61.0	61.4	61.8	62.2	62.6	62.9	63.2	63.5	63.8
36.25°	61.0	61.5	62.0	62.5	62.9	63.3	63.7	64.1	64.4	64.8	65.3
35°	62.0	62.5	63.0	63.5	64.0	64.4	65.0	65.8	66.4	67.0	67.6



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	63.0	63.5	64.1	64.6	65.5	66.4	67.2	68.0	68.7	69.3	70.8
32.5°	63.9	64.5	65.6	66.6	67.6	68.5	69.4	71.7	73.8	75.7	77.4
31.25°	65.2	66.4	67.6	68.7	70.3	73.0	75.6	78.0	80.2	82.2	84.1
30°	67.1	68.4	69.9	73.1	76.2	79.1	81.7	84.4	87.1	89.6	91.7
28.75°	69.0	72.0	75.5	78.8	82.0	85.4	88.7	91.7	94.5	97.1	99.6
27.5°	73.5	77.4	81.0	84.8	88.7	92.3	95.8	99.0	103.7	108.0	116.6
26.25°	78.7	82.6	87.1	91.3	95.4	99.3	105.1	112.8	127.0	141.5	169.0
25°	83.9	88.7	93.3	97.8	103.8	112.1	129.5	155.0	190.5	228.2	268.6
23.75°	89.7	94.7	99.8	107.3	123.8	149.0	192.1	241.6	293.6	346.5	396.0
22.5°	95.4	101.5	110.1	132.3	173.6	226.4	289.5	355.2	418.6	481.0	537.3
21.25°	102.1	113.4	137.5	190.3	256.2	329.1	405.8	482.2	554.2	620.2	679.7
20°	113.4	139.5	198.6	274.2	357.8	444.3	531.0	612.5	688.3	746.8	785.3
18.75°	137.5	198.6	280.3	372.2	468.4	564.1	655.0	736.2	785.1	830.0	870.7
17.5°	190.3	274.2	372.2	476.4	580.7	680.7	757.9	812.9	864.4	911.9	947.8
16.25°	256.2	357.8	468.4	580.7	689.4	768.8	829.9	887.8	937.3	977.8	1022.4
15°	329.1	444.3	564.1	680.7	768.8	835.6	899.6	952.1	1002.5	1054.9	1109.8
13.75°	405.8	531.0	655.0	757.9	829.9	899.6	957.1	1015.0	1077.4	1142.6	1221.2
12.5°	482.2	612.5	736.2	812.9	887.8	952.1	1015.0	1085.1	1164.0	1256.9	1381.5
11.25°	554.2	688.3	785.1	864.4	937.3	1002.5	1077.4	1164.0	1273.6	1416.7	1581.8
10°	620.2	746.8	830.0	911.9	977.8	1054.9	1142.6	1256.9	1416.7	1605.1	1829.1
8.75°	679.7	785.3	870.7	947.8	1022.4	1109.8	1221.2	1381.5	1581.8	1829.1	2125.5
7.5°	731.1	819.4	906.9	978.9	1064.1	1166.8	1312.5	1513.0	1765.0	2081.4	2481.8
6.25°	758.9	848.8	934.2	1011.5	1104.2	1224.6	1404.9	1640.0	1951.6	2353.8	2890.7
5°	781.9	873.3	955.2	1038.7	1138.4	1284.6	1498.8	1777.5	2143.7	2641.3	3325.2
3.75°	800.0	892.6	971.8	1061.5	1174.3	1342.2	1576.6	1888.0	2318.1	2933.1	3765.1
2.5°	813.1	906.5	985.0	1079.5	1200.4	1384.2	1635.2	1988.6	2474.5	3172.0	4104.2
1.25°	821.0	915.0	993.8	1090.4	1216.2	1409.6	1680.2	2052.0	2570.5	3319.5	4334.2
0°	823.6	917.8	996.8	1094.1	1221.5	1418.2	1695.3	2073.4	2602.9	3369.4	4416.3
-1.25°	821.0	915.0	993.8	1090.4	1216.2	1409.6	1680.2	2052.0	2570.5	3319.5	4334.2
-2.5°	813.1	906.5	985.0	1079.5	1200.4	1384.2	1635.2	1988.6	2474.5	3172.0	4104.2
-3.75°	800.0	892.6	971.8	1061.5	1174.3	1342.2	1576.6	1888.0	2318.1	2933.1	3765.1
-5°	781.9	873.3	955.2	1038.7	1138.4	1284.6	1498.8	1777.5	2143.7	2641.3	3325.2
-6.25°	758.9	848.8	934.2	1011.5	1104.2	1224.6	1404.9	1640.0	1951.6	2353.8	2890.7
-7.5°	731.1	819.4	906.9	978.9	1064.1	1166.8	1312.5	1513.0	1765.0	2081.4	2481.8
-8.75°	679.7	785.3	870.7	947.8	1022.4	1109.8	1221.2	1381.5	1581.8	1829.1	2125.5
-10°	620.2	746.8	830.0	911.9	977.8	1054.9	1142.6	1256.9	1416.7	1605.1	1829.1
-11.25°	554.2	688.3	785.1	864.4	937.3	1002.5	1077.4	1164.0	1273.6	1416.7	1581.8
-12.5°	482.2	612.5	736.2	812.9	887.8	952.1	1015.0	1085.1	1164.0	1256.9	1381.5
-13.75°	405.8	531.0	655.0	757.9	829.9	899.6	957.1	1015.0	1077.4	1142.6	1221.2
-15°	329.1	444.3	564.1	680.7	768.8	835.6	899.6	952.1	1002.5	1054.9	1109.8
-16.25°	256.2	357.8	468.4	580.7	689.4	768.8	829.9	887.8	937.3	977.8	1022.4
-17.5°	190.3	274.2	372.2	476.4	580.7	680.7	757.9	812.9	864.4	911.9	947.8
-18.75°	137.5	198.6	280.3	372.2	468.4	564.1	655.0	736.2	785.1	830.0	870.7
-20°	113.4	139.5	198.6	274.2	357.8	444.3	531.0	612.5	688.3	746.8	785.3
-21.25°	102.1	113.4	137.5	190.3	256.2	329.1	405.8	482.2	554.2	620.2	679.7



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	95.4	101.5	110.1	132.3	173.6	226.4	289.5	355.2	418.6	481.0	537.3
-23.75°	89.7	94.7	99.8	107.3	123.8	149.0	192.1	241.6	293.6	346.5	396.0
-25°	83.9	88.7	93.3	97.8	103.8	112.1	129.5	155.0	190.5	228.2	268.6
-26.25°	78.7	82.6	87.1	91.3	95.4	99.3	105.1	112.8	127.0	141.5	169.0
-27.5°	73.5	77.4	81.0	84.8	88.7	92.3	95.8	99.0	103.7	108.0	116.6
-28.75°	69.0	72.0	75.5	78.8	82.0	85.4	88.7	91.7	94.5	97.1	99.6
-30°	67.1	68.4	69.9	73.1	76.2	79.1	81.7	84.4	87.1	89.6	91.7
-31.25°	65.2	66.4	67.6	68.7	70.3	73.0	75.6	78.0	80.2	82.2	84.1
-32.5°	63.9	64.5	65.6	66.6	67.6	68.5	69.4	71.7	73.8	75.7	77.4
-33.75°	63.0	63.5	64.1	64.6	65.5	66.4	67.2	68.0	68.7	69.3	70.8
-35°	62.0	62.5	63.0	63.5	64.0	64.4	65.0	65.8	66.4	67.0	67.6
-36.25°	61.0	61.5	62.0	62.5	62.9	63.3	63.7	64.1	64.4	64.8	65.3
-37.5°	60.1	60.5	61.0	61.4	61.8	62.2	62.6	62.9	63.2	63.5	63.8
-38.75°	59.1	59.5	60.0	60.4	60.8	61.2	61.5	61.8	62.1	62.4	62.6
-40°	58.0	58.5	58.9	59.4	59.8	60.1	60.4	60.7	61.0	61.3	61.5
-41.25°	57.0	57.5	57.9	58.3	58.7	59.0	59.3	59.6	59.9	60.1	60.4
-42.5°	56.0	56.4	56.8	57.2	57.6	57.9	58.2	58.5	58.8	59.0	59.2
-43.75°	55.0	55.3	55.7	56.1	56.5	56.8	57.1	57.4	57.6	57.8	58.0
-45°	54.3	54.6	54.8	55.0	55.3	55.7	55.9	56.2	56.5	56.7	56.9
-46.25°	53.6	53.8	54.1	54.3	54.5	54.7	54.9	55.1	55.3	55.5	55.7
-47.5°	53.5	53.5	53.5	53.6	53.8	54.0	54.1	54.3	54.5	54.6	54.7
-48.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.8	53.9
-50°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-51.25°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-52.5°	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-53.75°	52.5	52.7	52.9	53.1	53.2	53.4	53.5	53.5	53.5	53.5	53.5
-55°	51.5	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.0	53.1	53.2
-56.25°	49.4	49.9	50.4	50.9	51.4	51.8	52.0	52.1	52.2	52.3	52.4
-57.5°	47.2	47.7	48.2	48.7	49.1	49.5	49.9	50.2	50.6	50.8	51.1
-58.75°	45.4	45.8	46.2	46.5	46.9	47.2	47.6	47.9	48.2	48.5	48.7
-60°	43.5	43.9	44.3	44.7	45.0	45.3	45.6	45.9	46.1	46.3	46.5
-61.25°	40.9	41.5	42.1	42.6	43.1	43.4	43.7	43.9	44.1	44.3	44.5
-62.5°	38.0	38.5	39.1	39.6	40.1	40.5	40.9	41.3	41.6	41.9	42.2
-63.75°	35.0	35.6	36.1	36.6	37.0	37.4	37.8	38.2	38.5	38.8	39.1
-65°	32.1	32.6	33.1	33.5	34.0	34.4	34.7	35.1	35.4	35.7	35.9
-66.25°	29.3	29.7	30.1	30.5	30.9	31.3	31.7	32.0	32.3	32.5	32.7
-67.5°	26.7	27.1	27.5	27.8	28.2	28.5	28.8	29.0	29.3	29.5	29.7
-68.75°	24.2	24.5	24.9	25.2	25.5	25.8	26.1	26.3	26.5	26.7	26.9
-70°	22.0	22.3	22.6	22.9	23.1	23.4	23.6	23.8	23.9	24.1	24.2
-71.25°	19.9	20.2	20.4	20.7	20.9	21.1	21.3	21.5	21.6	21.8	21.9
-72.5°	18.4	18.6	18.8	18.9	19.1	19.2	19.3	19.5	19.6	19.6	19.7
-73.75°	17.0	17.1	17.3	17.4	17.5	17.7	17.8	17.9	18.0	18.1	18.2
-75°	16.1	16.2	16.3	16.3	16.4	16.5	16.5	16.6	16.6	16.7	16.7
-76.25°	15.4	15.5	15.5	15.6	15.6	15.7	15.7	15.8	15.8	15.9	15.9
-77.5°	14.4	14.5	14.6	14.6	14.7	14.8	14.9	14.9	15.0	15.0	15.1



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	13.3	13.3	13.4	13.5	13.6	13.6	13.7	13.7	13.8	13.8	13.9
-80°	11.9	12.0	12.1	12.2	12.3	12.4	12.4	12.5	12.6	12.6	12.6
-81.25°	10.4	10.5	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.0	11.1
-82.5°	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5
-83.75°	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9
-85°	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3
-86.25°	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.3
-87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
-88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
86.25°	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
83.75°	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
82.5°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
81.25°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
80°	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
78.75°	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
77.5°	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
76.25°	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
75°	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
73.75°	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3
72.5°	19.8	19.9	19.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.9
71.25°	22.0	22.1	22.2	22.3	22.3	22.3	22.4	22.3	22.3	22.3	22.2
70°	24.4	24.5	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.6
68.75°	27.1	27.2	27.3	27.4	27.5	27.5	27.5	27.5	27.5	27.4	27.3
67.5°	29.8	30.0	30.1	30.2	30.2	30.3	30.3	30.3	30.2	30.2	30.1
66.25°	32.9	33.1	33.3	33.4	33.4	33.5	33.5	33.5	33.4	33.4	33.3
65°	36.1	36.3	36.4	36.6	36.6	36.7	36.7	36.7	36.6	36.6	36.4
63.75°	39.3	39.5	39.6	39.7	39.8	39.9	39.9	39.9	39.8	39.7	39.6
62.5°	42.4	42.6	42.8	42.9	43.0	43.1	43.1	43.1	43.0	42.9	42.8
61.25°	44.7	44.8	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.0	44.9
60°	46.6	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.0	47.0	46.9
58.75°	48.9	49.1	49.2	49.4	49.4	49.5	49.5	49.5	49.4	49.4	49.2
57.5°	51.3	51.5	51.6	51.8	51.8	51.9	51.9	51.9	51.8	51.8	51.6
56.25°	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.6	52.6
55°	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.4	53.4
53.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
52.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
51.25°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
50°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
48.75°	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.2	54.2
47.5°	54.8	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.0	55.0
46.25°	55.9	56.0	56.1	56.2	56.2	56.3	56.3	56.3	56.2	56.2	56.1
45°	57.0	57.2	57.3	57.4	57.4	57.5	57.5	57.5	57.4	57.4	57.3
43.75°	58.2	58.4	58.5	58.6	58.6	58.7	58.7	58.7	58.6	58.6	58.5
42.5°	59.4	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.8	59.8	59.7
41.25°	60.5	60.7	60.8	60.9	61.0	61.0	61.1	61.0	61.0	60.9	60.8
40°	61.7	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.1	62.1	62.0
38.75°	62.8	63.0	63.1	63.3	63.3	63.4	63.4	63.4	63.3	63.3	63.1
37.5°	64.0	64.2	64.3	64.4	64.5	64.6	64.6	64.6	64.5	64.4	64.3
36.25°	65.7	66.1	66.4	66.7	66.9	67.0	67.0	67.0	66.9	66.7	66.4
35°	68.1	68.5	68.8	69.1	69.3	69.4	69.4	69.4	69.3	69.1	68.8



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	72.2	73.4	74.4	75.2	75.8	76.1	76.2	76.1	75.8	75.2	74.4
32.5°	78.9	80.1	81.1	82.0	82.5	82.9	83.0	82.9	82.5	82.0	81.1
31.25°	85.9	87.4	88.7	89.7	90.4	90.9	91.0	90.9	90.4	89.7	88.7
30°	93.6	95.3	96.6	97.6	98.4	98.8	99.0	98.8	98.4	97.6	96.6
28.75°	102.8	105.5	107.8	110.1	113.8	116.0	116.7	116.0	113.8	110.1	107.8
27.5°	126.3	134.5	144.8	157.5	166.7	172.2	174.0	172.2	166.7	157.5	144.8
26.25°	193.2	215.7	239.7	258.4	271.9	280.0	282.8	280.0	271.9	258.4	239.7
25°	304.2	339.2	368.5	391.5	408.1	418.1	421.4	418.1	408.1	391.5	368.5
23.75°	441.1	481.5	514.9	541.2	560.2	571.6	575.4	571.6	560.2	541.2	514.9
22.5°	587.1	629.8	665.3	693.1	713.2	725.3	729.4	725.3	713.2	693.1	665.3
21.25°	731.1	758.9	781.9	800.0	813.1	821.0	823.6	821.0	813.1	800.0	781.9
20°	819.4	848.8	873.3	892.6	906.5	915.0	917.8	915.0	906.5	892.6	873.3
18.75°	906.9	934.2	955.2	971.8	985.0	993.8	996.8	993.8	985.0	971.8	955.2
17.5°	978.9	1011.5	1038.7	1061.5	1079.5	1090.4	1094.1	1090.4	1079.5	1061.5	1038.7
16.25°	1064.1	1104.2	1138.4	1174.3	1200.4	1216.2	1221.5	1216.2	1200.4	1174.3	1138.4
15°	1166.8	1224.6	1284.6	1342.2	1384.2	1409.6	1418.2	1409.6	1384.2	1342.2	1284.6
13.75°	1312.5	1404.9	1498.8	1576.6	1635.2	1680.2	1695.3	1680.2	1635.2	1576.6	1498.8
12.5°	1513.0	1640.0	1777.5	1888.0	1988.6	2052.0	2073.4	2052.0	1988.6	1888.0	1777.5
11.25°	1765.0	1951.6	2143.7	2318.1	2474.5	2570.5	2602.9	2570.5	2474.5	2318.1	2143.7
10°	2081.4	2353.8	2641.3	2933.1	3172.0	3319.5	3369.4	3319.5	3172.0	2933.1	2641.3
8.75°	2481.8	2890.7	3325.2	3765.1	4104.2	4334.2	4416.3	4334.2	4104.2	3765.1	3325.2
7.5°	2986.2	3571.8	4178.7	4760.5	5211.1	5510.7	5613.2	5510.7	5211.1	4760.5	4178.7
6.25°	3571.8	4341.8	5117.1	5827.7	6378.3	6729.8	6851.4	6729.8	6378.3	5827.7	5117.1
5°	4178.7	5117.1	6045.2	6854.2	7485.3	7895.2	8039.7	7895.2	7485.3	6854.2	6045.2
3.75°	4760.5	5827.7	6854.2	7755.9	8445.8	8894.0	9031.9	8894.0	8445.8	7755.9	6854.2
2.5°	5211.1	6378.3	7485.3	8445.8	9178.3	9646.3	9795.5	9646.3	9178.3	8445.8	7485.3
1.25°	5510.7	6729.8	7895.2	8894.0	9646.3	10122.6	10287.9	10122.6	9646.3	8894.0	7895.2
0°	5613.2	6851.4	8039.7	9031.9	9795.5	10287.9	10504.9	10287.9	9795.5	9031.9	8039.7
-1.25°	5510.7	6729.8	7895.2	8894.0	9646.3	10122.6	10287.9	10122.6	9646.3	8894.0	7895.2
-2.5°	5211.1	6378.3	7485.3	8445.8	9178.3	9646.3	9795.5	9646.3	9178.3	8445.8	7485.3
-3.75°	4760.5	5827.7	6854.2	7755.9	8445.8	8894.0	9031.9	8894.0	8445.8	7755.9	6854.2
-5°	4178.7	5117.1	6045.2	6854.2	7485.3	7895.2	8039.7	7895.2	7485.3	6854.2	6045.2
-6.25°	3571.8	4341.8	5117.1	5827.7	6378.3	6729.8	6851.4	6729.8	6378.3	5827.7	5117.1
-7.5°	2986.2	3571.8	4178.7	4760.5	5211.1	5510.7	5613.2	5510.7	5211.1	4760.5	4178.7
-8.75°	2481.8	2890.7	3325.2	3765.1	4104.2	4334.2	4416.3	4334.2	4104.2	3765.1	3325.2
-10°	2081.4	2353.8	2641.3	2933.1	3172.0	3319.5	3369.4	3319.5	3172.0	2933.1	2641.3
-11.25°	1765.0	1951.6	2143.7	2318.1	2474.5	2570.5	2602.9	2570.5	2474.5	2318.1	2143.7
-12.5°	1513.0	1640.0	1777.5	1888.0	1988.6	2052.0	2073.4	2052.0	1988.6	1888.0	1777.5
-13.75°	1312.5	1404.9	1498.8	1576.6	1635.2	1680.2	1695.3	1680.2	1635.2	1576.6	1498.8
-15°	1166.8	1224.6	1284.6	1342.2	1384.2	1409.6	1418.2	1409.6	1384.2	1342.2	1284.6
-16.25°	1064.1	1104.2	1138.4	1174.3	1200.4	1216.2	1221.5	1216.2	1200.4	1174.3	1138.4
-17.5°	978.9	1011.5	1038.7	1061.5	1079.5	1090.4	1094.1	1090.4	1079.5	1061.5	1038.7
-18.75°	906.9	934.2	955.2	971.8	985.0	993.8	996.8	993.8	985.0	971.8	955.2
-20°	819.4	848.8	873.3	892.6	906.5	915.0	917.8	915.0	906.5	892.6	873.3
-21.25°	731.1	758.9	781.9	800.0	813.1	821.0	823.6	821.0	813.1	800.0	781.9





REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	587.1	629.8	665.3	693.1	713.2	725.3	729.4	725.3	713.2	693.1	665.3
-23.75°	441.1	481.5	514.9	541.2	560.2	571.6	575.4	571.6	560.2	541.2	514.9
-25°	304.2	339.2	368.5	391.5	408.1	418.1	421.4	418.1	408.1	391.5	368.5
-26.25°	193.2	215.7	239.7	258.4	271.9	280.0	282.8	280.0	271.9	258.4	239.7
-27.5°	126.3	134.5	144.8	157.5	166.7	172.2	174.0	172.2	166.7	157.5	144.8
-28.75°	102.8	105.5	107.8	110.1	113.8	116.0	116.7	116.0	113.8	110.1	107.8
-30°	93.6	95.3	96.6	97.6	98.4	98.8	99.0	98.8	98.4	97.6	96.6
-31.25°	85.9	87.4	88.7	89.7	90.4	90.9	91.0	90.9	90.4	89.7	88.7
-32.5°	78.9	80.1	81.1	82.0	82.5	82.9	83.0	82.9	82.5	82.0	81.1
-33.75°	72.2	73.4	74.4	75.2	75.8	76.1	76.2	76.1	75.8	75.2	74.4
-35°	68.1	68.5	68.8	69.1	69.3	69.4	69.4	69.4	69.3	69.1	68.8
-36.25°	65.7	66.1	66.4	66.7	66.9	67.0	67.0	67.0	66.9	66.7	66.4
-37.5°	64.0	64.2	64.3	64.4	64.5	64.6	64.6	64.6	64.5	64.4	64.3
-38.75°	62.8	63.0	63.1	63.3	63.3	63.4	63.4	63.4	63.3	63.3	63.1
-40°	61.7	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.1	62.1	62.0
-41.25°	60.5	60.7	60.8	60.9	61.0	61.0	61.1	61.0	61.0	60.9	60.8
-42.5°	59.4	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.8	59.8	59.7
-43.75°	58.2	58.4	58.5	58.6	58.6	58.7	58.7	58.7	58.6	58.6	58.5
-45°	57.0	57.2	57.3	57.4	57.4	57.5	57.5	57.5	57.4	57.4	57.3
-46.25°	55.9	56.0	56.1	56.2	56.2	56.3	56.3	56.3	56.2	56.2	56.1
-47.5°	54.8	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.0	55.0
-48.75°	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.2	54.2
-50°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-51.25°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-52.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-53.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-55°	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.4	53.4
-56.25°	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.6	52.6
-57.5°	51.3	51.5	51.6	51.8	51.8	51.9	51.9	51.9	51.8	51.8	51.6
-58.75°	48.9	49.1	49.2	49.4	49.4	49.5	49.5	49.5	49.4	49.4	49.2
-60°	46.6	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.0	47.0	46.9
-61.25°	44.7	44.8	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.0	44.9
-62.5°	42.4	42.6	42.8	42.9	43.0	43.1	43.1	43.1	43.0	42.9	42.8
-63.75°	39.3	39.5	39.6	39.7	39.8	39.9	39.9	39.9	39.8	39.7	39.6
-65°	36.1	36.3	36.4	36.6	36.6	36.7	36.7	36.7	36.6	36.6	36.4
-66.25°	32.9	33.1	33.3	33.4	33.4	33.5	33.5	33.5	33.4	33.4	33.3
-67.5°	29.8	30.0	30.1	30.2	30.2	30.3	30.3	30.3	30.2	30.2	30.1
-68.75°	27.1	27.2	27.3	27.4	27.5	27.5	27.5	27.5	27.5	27.4	27.3
-70°	24.4	24.5	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.6
-71.25°	22.0	22.1	22.2	22.3	22.3	22.3	22.4	22.3	22.3	22.3	22.2
-72.5°	19.8	19.9	19.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.9
-73.75°	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3
-75°	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
-76.25°	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
-77.5°	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
-80°	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
-81.25°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
-82.5°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-83.75°	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-85°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-86.25°	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
87.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
86.25°	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1
85°	6.4	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.0	6.0
83.75°	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.6
82.5°	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1
81.25°	11.1	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.7	10.6
80°	12.7	12.7	12.6	12.6	12.6	12.5	12.4	12.4	12.3	12.2	12.1
78.75°	13.9	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.6	13.5	13.4
77.5°	15.1	15.1	15.1	15.0	15.0	14.9	14.9	14.8	14.7	14.6	14.6
76.25°	15.9	15.9	15.9	15.9	15.8	15.8	15.7	15.7	15.6	15.6	15.5
75°	16.7	16.7	16.7	16.7	16.6	16.6	16.5	16.5	16.4	16.3	16.3
73.75°	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7	17.5	17.4	17.3
72.5°	19.9	19.8	19.7	19.6	19.6	19.5	19.3	19.2	19.1	18.9	18.8
71.25°	22.1	22.0	21.9	21.8	21.6	21.5	21.3	21.1	20.9	20.7	20.4
70°	24.5	24.4	24.2	24.1	23.9	23.8	23.6	23.4	23.1	22.9	22.6
68.75°	27.2	27.1	26.9	26.7	26.5	26.3	26.1	25.8	25.5	25.2	24.9
67.5°	30.0	29.8	29.7	29.5	29.3	29.0	28.8	28.5	28.2	27.8	27.5
66.25°	33.1	32.9	32.7	32.5	32.3	32.0	31.7	31.3	30.9	30.5	30.1
65°	36.3	36.1	35.9	35.7	35.4	35.1	34.7	34.4	34.0	33.5	33.1
63.75°	39.5	39.3	39.1	38.8	38.5	38.2	37.8	37.4	37.0	36.6	36.1
62.5°	42.6	42.4	42.2	41.9	41.6	41.3	40.9	40.5	40.1	39.6	39.1
61.25°	44.8	44.7	44.5	44.3	44.1	43.9	43.7	43.4	43.1	42.6	42.1
60°	46.8	46.6	46.5	46.3	46.1	45.9	45.6	45.3	45.0	44.7	44.3
58.75°	49.1	48.9	48.7	48.5	48.2	47.9	47.6	47.2	46.9	46.5	46.2
57.5°	51.5	51.3	51.1	50.8	50.6	50.2	49.9	49.5	49.1	48.7	48.2
56.25°	52.6	52.5	52.4	52.3	52.2	52.1	52.0	51.8	51.4	50.9	50.4
55°	53.3	53.3	53.2	53.1	53.0	52.9	52.8	52.6	52.5	52.3	52.2
53.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.4	53.2	53.1	52.9
52.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
51.25°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
50°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
48.75°	54.1	54.0	53.9	53.8	53.7	53.5	53.5	53.5	53.5	53.5	53.5
47.5°	54.9	54.8	54.7	54.6	54.5	54.3	54.1	54.0	53.8	53.6	53.5
46.25°	56.0	55.9	55.7	55.5	55.3	55.1	54.9	54.7	54.5	54.3	54.1
45°	57.2	57.0	56.9	56.7	56.5	56.2	55.9	55.7	55.3	55.0	54.8
43.75°	58.4	58.2	58.0	57.8	57.6	57.4	57.1	56.8	56.5	56.1	55.7
42.5°	59.5	59.4	59.2	59.0	58.8	58.5	58.2	57.9	57.6	57.2	56.8
41.25°	60.7	60.5	60.4	60.1	59.9	59.6	59.3	59.0	58.7	58.3	57.9
40°	61.8	61.7	61.5	61.3	61.0	60.7	60.4	60.1	59.8	59.4	58.9
38.75°	63.0	62.8	62.6	62.4	62.1	61.8	61.5	61.2	60.8	60.4	60.0
37.5°	64.2	64.0	63.8	63.5	63.2	62.9	62.6	62.2	61.8	61.4	61.0
36.25°	66.1	65.7	65.3	64.8	64.4	64.1	63.7	63.3	62.9	62.5	62.0
35°	68.5	68.1	67.6	67.0	66.4	65.8	65.0	64.4	64.0	63.5	63.0



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	73.4	72.2	70.8	69.3	68.7	68.0	67.2	66.4	65.5	64.6	64.1
32.5°	80.1	78.9	77.4	75.7	73.8	71.7	69.4	68.5	67.6	66.6	65.6
31.25°	87.4	85.9	84.1	82.2	80.2	78.0	75.6	73.0	70.3	68.7	67.6
30°	95.3	93.6	91.7	89.6	87.1	84.4	81.7	79.1	76.2	73.1	69.9
28.75°	105.5	102.8	99.6	97.1	94.5	91.7	88.7	85.4	82.0	78.8	75.5
27.5°	134.5	126.3	116.6	108.0	103.7	99.0	95.8	92.3	88.7	84.8	81.0
26.25°	215.7	193.2	169.0	141.5	127.0	112.8	105.1	99.3	95.4	91.3	87.1
25°	339.2	304.2	268.6	228.2	190.5	155.0	129.5	112.1	103.8	97.8	93.3
23.75°	481.5	441.1	396.0	346.5	293.6	241.6	192.1	149.0	123.8	107.3	99.8
22.5°	629.8	587.1	537.3	481.0	418.6	355.2	289.5	226.4	173.6	132.3	110.1
21.25°	758.9	731.1	679.7	620.2	554.2	482.2	405.8	329.1	256.2	190.3	137.5
20°	848.8	819.4	785.3	746.8	688.3	612.5	531.0	444.3	357.8	274.2	198.6
18.75°	934.2	906.9	870.7	830.0	785.1	736.2	655.0	564.1	468.4	372.2	280.3
17.5°	1011.5	978.9	947.8	911.9	864.4	812.9	757.9	680.7	580.7	476.4	372.2
16.25°	1104.2	1064.1	1022.4	977.8	937.3	887.8	829.9	768.8	689.4	580.7	468.4
15°	1224.6	1166.8	1109.8	1054.9	1002.5	952.1	899.6	835.6	768.8	680.7	564.1
13.75°	1404.9	1312.5	1221.2	1142.6	1077.4	1015.0	957.1	899.6	829.9	757.9	655.0
12.5°	1640.0	1513.0	1381.5	1256.9	1164.0	1085.1	1015.0	952.1	887.8	812.9	736.2
11.25°	1951.6	1765.0	1581.8	1416.7	1273.6	1164.0	1077.4	1002.5	937.3	864.4	785.1
10°	2353.8	2081.4	1829.1	1605.1	1416.7	1256.9	1142.6	1054.9	977.8	911.9	830.0
8.75°	2890.7	2481.8	2125.5	1829.1	1581.8	1381.5	1221.2	1109.8	1022.4	947.8	870.7
7.5°	3571.8	2986.2	2481.8	2081.4	1765.0	1513.0	1312.5	1166.8	1064.1	978.9	906.9
6.25°	4341.8	3571.8	2890.7	2353.8	1951.6	1640.0	1404.9	1224.6	1104.2	1011.5	934.2
5°	5117.1	4178.7	3325.2	2641.3	2143.7	1777.5	1498.8	1284.6	1138.4	1038.7	955.2
3.75°	5827.7	4760.5	3765.1	2933.1	2318.1	1888.0	1576.6	1342.2	1174.3	1061.5	971.8
2.5°	6378.3	5211.1	4104.2	3172.0	2474.5	1988.6	1635.2	1384.2	1200.4	1079.5	985.0
1.25°	6729.8	5510.7	4334.2	3319.5	2570.5	2052.0	1680.2	1409.6	1216.2	1090.4	993.8
0°	6851.4	5613.2	4416.3	3369.4	2602.9	2073.4	1695.3	1418.2	1221.5	1094.1	996.8
-1.25°	6729.8	5510.7	4334.2	3319.5	2570.5	2052.0	1680.2	1409.6	1216.2	1090.4	993.8
-2.5°	6378.3	5211.1	4104.2	3172.0	2474.5	1988.6	1635.2	1384.2	1200.4	1079.5	985.0
-3.75°	5827.7	4760.5	3765.1	2933.1	2318.1	1888.0	1576.6	1342.2	1174.3	1061.5	971.8
-5°	5117.1	4178.7	3325.2	2641.3	2143.7	1777.5	1498.8	1284.6	1138.4	1038.7	955.2
-6.25°	4341.8	3571.8	2890.7	2353.8	1951.6	1640.0	1404.9	1224.6	1104.2	1011.5	934.2
-7.5°	3571.8	2986.2	2481.8	2081.4	1765.0	1513.0	1312.5	1166.8	1064.1	978.9	906.9
-8.75°	2890.7	2481.8	2125.5	1829.1	1581.8	1381.5	1221.2	1109.8	1022.4	947.8	870.7
-10°	2353.8	2081.4	1829.1	1605.1	1416.7	1256.9	1142.6	1054.9	977.8	911.9	830.0
-11.25°	1951.6	1765.0	1581.8	1416.7	1273.6	1164.0	1077.4	1002.5	937.3	864.4	785.1
-12.5°	1640.0	1513.0	1381.5	1256.9	1164.0	1085.1	1015.0	952.1	887.8	812.9	736.2
-13.75°	1404.9	1312.5	1221.2	1142.6	1077.4	1015.0	957.1	899.6	829.9	757.9	655.0
-15°	1224.6	1166.8	1109.8	1054.9	1002.5	952.1	899.6	835.6	768.8	680.7	564.1
-16.25°	1104.2	1064.1	1022.4	977.8	937.3	887.8	829.9	768.8	689.4	580.7	468.4
-17.5°	1011.5	978.9	947.8	911.9	864.4	812.9	757.9	680.7	580.7	476.4	372.2
-18.75°	934.2	906.9	870.7	830.0	785.1	736.2	655.0	564.1	468.4	372.2	280.3
-20°	848.8	819.4	785.3	746.8	688.3	612.5	531.0	444.3	357.8	274.2	198.6
-21.25°	758.9	731.1	679.7	620.2	554.2	482.2	405.8	329.1	256.2	190.3	137.5



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	629.8	587.1	537.3	481.0	418.6	355.2	289.5	226.4	173.6	132.3	110.1
-23.75°	481.5	441.1	396.0	346.5	293.6	241.6	192.1	149.0	123.8	107.3	99.8
-25°	339.2	304.2	268.6	228.2	190.5	155.0	129.5	112.1	103.8	97.8	93.3
-26.25°	215.7	193.2	169.0	141.5	127.0	112.8	105.1	99.3	95.4	91.3	87.1
-27.5°	134.5	126.3	116.6	108.0	103.7	99.0	95.8	92.3	88.7	84.8	81.0
-28.75°	105.5	102.8	99.6	97.1	94.5	91.7	88.7	85.4	82.0	78.8	75.5
-30°	95.3	93.6	91.7	89.6	87.1	84.4	81.7	79.1	76.2	73.1	69.9
-31.25°	87.4	85.9	84.1	82.2	80.2	78.0	75.6	73.0	70.3	68.7	67.6
-32.5°	80.1	78.9	77.4	75.7	73.8	71.7	69.4	68.5	67.6	66.6	65.6
-33.75°	73.4	72.2	70.8	69.3	68.7	68.0	67.2	66.4	65.5	64.6	64.1
-35°	68.5	68.1	67.6	67.0	66.4	65.8	65.0	64.4	64.0	63.5	63.0
-36.25°	66.1	65.7	65.3	64.8	64.4	64.1	63.7	63.3	62.9	62.5	62.0
-37.5°	64.2	64.0	63.8	63.5	63.2	62.9	62.6	62.2	61.8	61.4	61.0
-38.75°	63.0	62.8	62.6	62.4	62.1	61.8	61.5	61.2	60.8	60.4	60.0
-40°	61.8	61.7	61.5	61.3	61.0	60.7	60.4	60.1	59.8	59.4	58.9
-41.25°	60.7	60.5	60.4	60.1	59.9	59.6	59.3	59.0	58.7	58.3	57.9
-42.5°	59.5	59.4	59.2	59.0	58.8	58.5	58.2	57.9	57.6	57.2	56.8
-43.75°	58.4	58.2	58.0	57.8	57.6	57.4	57.1	56.8	56.5	56.1	55.7
-45°	57.2	57.0	56.9	56.7	56.5	56.2	55.9	55.7	55.3	55.0	54.8
-46.25°	56.0	55.9	55.7	55.5	55.3	55.1	54.9	54.7	54.5	54.3	54.1
-47.5°	54.9	54.8	54.7	54.6	54.5	54.3	54.1	54.0	53.8	53.6	53.5
-48.75°	54.1	54.0	53.9	53.8	53.7	53.5	53.5	53.5	53.5	53.5	53.5
-50°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-51.25°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-52.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-53.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.4	53.2	53.1	52.9
-55°	53.3	53.3	53.2	53.1	53.0	52.9	52.8	52.6	52.5	52.3	52.2
-56.25°	52.6	52.5	52.4	52.3	52.2	52.1	52.0	51.8	51.4	50.9	50.4
-57.5°	51.5	51.3	51.1	50.8	50.6	50.2	49.9	49.5	49.1	48.7	48.2
-58.75°	49.1	48.9	48.7	48.5	48.2	47.9	47.6	47.2	46.9	46.5	46.2
-60°	46.8	46.6	46.5	46.3	46.1	45.9	45.6	45.3	45.0	44.7	44.3
-61.25°	44.8	44.7	44.5	44.3	44.1	43.9	43.7	43.4	43.1	42.6	42.1
-62.5°	42.6	42.4	42.2	41.9	41.6	41.3	40.9	40.5	40.1	39.6	39.1
-63.75°	39.5	39.3	39.1	38.8	38.5	38.2	37.8	37.4	37.0	36.6	36.1
-65°	36.3	36.1	35.9	35.7	35.4	35.1	34.7	34.4	34.0	33.5	33.1
-66.25°	33.1	32.9	32.7	32.5	32.3	32.0	31.7	31.3	30.9	30.5	30.1
-67.5°	30.0	29.8	29.7	29.5	29.3	29.0	28.8	28.5	28.2	27.8	27.5
-68.75°	27.2	27.1	26.9	26.7	26.5	26.3	26.1	25.8	25.5	25.2	24.9
-70°	24.5	24.4	24.2	24.1	23.9	23.8	23.6	23.4	23.1	22.9	22.6
-71.25°	22.1	22.0	21.9	21.8	21.6	21.5	21.3	21.1	20.9	20.7	20.4
-72.5°	19.9	19.8	19.7	19.6	19.6	19.5	19.3	19.2	19.1	18.9	18.8
-73.75°	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7	17.5	17.4	17.3
-75°	16.7	16.7	16.7	16.7	16.6	16.6	16.5	16.5	16.4	16.3	16.3
-76.25°	15.9	15.9	15.9	15.9	15.8	15.8	15.7	15.7	15.6	15.6	15.5
-77.5°	15.1	15.1	15.1	15.0	15.0	14.9	14.9	14.8	14.7	14.6	14.6



REPORT NUMBER: P220443 (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°
-78.75°	13.9	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.6	13.5	13.4
-80°	12.7	12.7	12.6	12.6	12.6	12.5	12.4	12.4	12.3	12.2	12.1
-81.25°	11.1	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.7	10.6
-82.5°	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1
-83.75°	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.6
-85°	6.4	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.0	6.0
-86.25°	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1
-87.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
87.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
86.25°	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.5
85°	5.9	5.9	5.8	5.7	5.6	5.6	5.5	5.4	5.3	5.2	5.1
83.75°	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7
82.5°	9.0	8.9	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
81.25°	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.4
80°	12.0	11.9	11.8	11.7	11.6	11.5	11.3	11.2	11.1	10.9	10.8
78.75°	13.3	13.3	13.2	13.1	13.0	12.9	12.8	12.6	12.5	12.3	12.1
77.5°	14.5	14.4	14.3	14.2	14.1	13.9	13.8	13.7	13.6	13.4	13.3
76.25°	15.5	15.4	15.3	15.2	15.1	15.0	14.9	14.7	14.6	14.5	14.3
75°	16.2	16.1	16.1	16.0	15.9	15.8	15.7	15.6	15.5	15.4	15.3
73.75°	17.1	17.0	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1	15.9
72.5°	18.6	18.4	18.2	18.0	17.8	17.6	17.4	17.2	16.9	16.7	16.6
71.25°	20.2	19.9	19.7	19.5	19.3	19.0	18.8	18.6	18.3	18.0	17.7
70°	22.3	22.0	21.7	21.4	21.0	20.7	20.3	19.9	19.7	19.4	19.1
68.75°	24.5	24.2	23.9	23.5	23.2	22.8	22.4	21.9	21.5	21.0	20.6
67.5°	27.1	26.7	26.3	25.8	25.4	24.9	24.4	24.0	23.5	23.0	22.5
66.25°	29.7	29.3	28.8	28.4	27.9	27.3	26.8	26.2	25.6	25.0	24.4
65°	32.6	32.1	31.5	31.0	30.4	29.8	29.2	28.6	28.0	27.3	26.7
63.75°	35.6	35.0	34.4	33.8	33.2	32.5	31.8	31.1	30.4	29.7	29.0
62.5°	38.5	38.0	37.3	36.7	36.0	35.3	34.6	33.8	33.0	32.2	31.4
61.25°	41.5	40.9	40.2	39.6	38.9	38.1	37.4	36.6	35.7	34.9	34.0
60°	43.9	43.5	43.1	42.4	41.7	40.9	40.1	39.3	38.4	37.5	36.6
58.75°	45.8	45.4	44.9	44.5	44.0	43.5	42.8	42.0	41.0	40.1	39.1
57.5°	47.7	47.2	46.7	46.2	45.7	45.2	44.6	44.1	43.5	42.7	41.7
56.25°	49.9	49.4	48.8	48.2	47.5	46.9	46.3	45.7	45.1	44.5	43.8
55°	52.0	51.5	50.9	50.3	49.6	48.9	48.2	47.5	46.8	46.1	45.4
53.75°	52.7	52.5	52.3	52.1	51.7	51.0	50.2	49.5	48.6	47.8	47.0
52.5°	53.4	53.2	53.0	52.8	52.5	52.3	52.0	51.4	50.6	49.7	48.8
51.25°	53.5	53.5	53.5	53.5	53.2	53.0	52.7	52.4	52.1	51.6	50.7
50°	53.5	53.5	53.5	53.5	53.5	53.5	53.3	53.1	52.7	52.4	52.1
48.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.4	53.1	52.7
47.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.3
46.25°	53.8	53.6	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
45°	54.6	54.3	54.0	53.7	53.5	53.5	53.5	53.5	53.5	53.5	53.5
43.75°	55.3	55.0	54.7	54.4	54.1	53.7	53.5	53.5	53.5	53.5	53.5
42.5°	56.4	56.0	55.5	55.1	54.7	54.4	54.0	53.7	53.5	53.5	53.5
41.25°	57.5	57.0	56.5	56.0	55.5	55.0	54.7	54.3	53.9	53.5	53.5
40°	58.5	58.0	57.5	57.0	56.5	56.0	55.4	54.9	54.5	54.1	53.7
38.75°	59.5	59.1	58.6	58.0	57.5	56.9	56.3	55.7	55.1	54.7	54.2
37.5°	60.5	60.1	59.5	59.0	58.4	57.8	57.2	56.6	56.0	55.3	54.8
36.25°	61.5	61.0	60.5	60.0	59.4	58.8	58.1	57.5	56.8	56.1	55.4
35°	62.5	62.0	61.4	60.9	60.3	59.7	59.0	58.4	57.7	57.0	56.3



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	63.5	63.0	62.4	61.8	61.2	60.6	59.9	59.2	58.5	57.8	57.0
32.5°	64.5	63.9	63.3	62.7	62.1	61.4	60.8	60.1	59.3	58.6	57.8
31.25°	66.4	65.2	64.3	63.6	63.0	62.3	61.6	60.9	60.1	59.4	58.6
30°	68.4	67.1	65.8	64.5	63.8	63.1	62.4	61.6	60.9	60.1	59.3
28.75°	72.0	69.0	67.7	66.3	64.8	64.0	63.2	62.4	61.6	60.9	60.1
27.5°	77.4	73.5	69.6	68.0	66.5	65.0	64.0	63.2	62.4	61.6	60.8
26.25°	82.6	78.7	74.6	70.4	68.2	66.6	65.0	64.0	63.1	62.3	61.4
25°	88.7	83.9	79.5	75.1	70.6	68.2	66.5	64.8	63.8	63.0	62.1
23.75°	94.7	89.7	84.5	79.8	75.1	70.4	68.0	66.3	64.5	63.6	62.7
22.5°	101.5	95.4	90.0	84.5	79.5	74.6	69.6	67.7	65.8	64.3	63.3
21.25°	113.4	102.1	95.4	89.7	83.9	78.7	73.5	69.0	67.1	65.2	63.9
20°	139.5	113.4	101.5	94.7	88.7	82.6	77.4	72.0	68.4	66.4	64.5
18.75°	198.6	137.5	110.1	99.8	93.3	87.1	81.0	75.5	69.9	67.6	65.6
17.5°	274.2	190.3	132.3	107.3	97.8	91.3	84.8	78.8	73.1	68.7	66.6
16.25°	357.8	256.2	173.6	123.8	103.8	95.4	88.7	82.0	76.2	70.3	67.6
15°	444.3	329.1	226.4	149.0	112.1	99.3	92.3	85.4	79.1	73.0	68.5
13.75°	531.0	405.8	289.5	192.1	129.5	105.1	95.8	88.7	81.7	75.6	69.4
12.5°	612.5	482.2	355.2	241.6	155.0	112.8	99.0	91.7	84.4	78.0	71.7
11.25°	688.3	554.2	418.6	293.6	190.5	127.0	103.7	94.5	87.1	80.2	73.8
10°	746.8	620.2	481.0	346.5	228.2	141.5	108.0	97.1	89.6	82.2	75.7
8.75°	785.3	679.7	537.3	396.0	268.6	169.0	116.6	99.6	91.7	84.1	77.4
7.5°	819.4	731.1	587.1	441.1	304.2	193.2	126.3	102.8	93.6	85.9	78.9
6.25°	848.8	758.9	629.8	481.5	339.2	215.7	134.5	105.5	95.3	87.4	80.1
5°	873.3	781.9	665.3	514.9	368.5	239.7	144.8	107.8	96.6	88.7	81.1
3.75°	892.6	800.0	693.1	541.2	391.5	258.4	157.5	110.1	97.6	89.7	82.0
2.5°	906.5	813.1	713.2	560.2	408.1	271.9	166.7	113.8	98.4	90.4	82.5
1.25°	915.0	821.0	725.3	571.6	418.1	280.0	172.2	116.0	98.8	90.9	82.9
0°	917.8	823.6	729.4	575.4	421.4	282.8	174.0	116.7	99.0	91.0	83.0
-1.25°	915.0	821.0	725.3	571.6	418.1	280.0	172.2	116.0	98.8	90.9	82.9
-2.5°	906.5	813.1	713.2	560.2	408.1	271.9	166.7	113.8	98.4	90.4	82.5
-3.75°	892.6	800.0	693.1	541.2	391.5	258.4	157.5	110.1	97.6	89.7	82.0
-5°	873.3	781.9	665.3	514.9	368.5	239.7	144.8	107.8	96.6	88.7	81.1
-6.25°	848.8	758.9	629.8	481.5	339.2	215.7	134.5	105.5	95.3	87.4	80.1
-7.5°	819.4	731.1	587.1	441.1	304.2	193.2	126.3	102.8	93.6	85.9	78.9
-8.75°	785.3	679.7	537.3	396.0	268.6	169.0	116.6	99.6	91.7	84.1	77.4
-10°	746.8	620.2	481.0	346.5	228.2	141.5	108.0	97.1	89.6	82.2	75.7
-11.25°	688.3	554.2	418.6	293.6	190.5	127.0	103.7	94.5	87.1	80.2	73.8
-12.5°	612.5	482.2	355.2	241.6	155.0	112.8	99.0	91.7	84.4	78.0	71.7
-13.75°	531.0	405.8	289.5	192.1	129.5	105.1	95.8	88.7	81.7	75.6	69.4
-15°	444.3	329.1	226.4	149.0	112.1	99.3	92.3	85.4	79.1	73.0	68.5
-16.25°	357.8	256.2	173.6	123.8	103.8	95.4	88.7	82.0	76.2	70.3	67.6
-17.5°	274.2	190.3	132.3	107.3	97.8	91.3	84.8	78.8	73.1	68.7	66.6
-18.75°	198.6	137.5	110.1	99.8	93.3	87.1	81.0	75.5	69.9	67.6	65.6
-20°	139.5	113.4	101.5	94.7	88.7	82.6	77.4	72.0	68.4	66.4	64.5
-21.25°	113.4	102.1	95.4	89.7	83.9	78.7	73.5	69.0	67.1	65.2	63.9





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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°	101.5	95.4	90.0	84.5	79.5	74.6	69.6	67.7	65.8	64.3	63.3
-23.75°	94.7	89.7	84.5	79.8	75.1	70.4	68.0	66.3	64.5	63.6	62.7
-25°	88.7	83.9	79.5	75.1	70.6	68.2	66.5	64.8	63.8	63.0	62.1
-26.25°	82.6	78.7	74.6	70.4	68.2	66.6	65.0	64.0	63.1	62.3	61.4
-27.5°	77.4	73.5	69.6	68.0	66.5	65.0	64.0	63.2	62.4	61.6	60.8
-28.75°	72.0	69.0	67.7	66.3	64.8	64.0	63.2	62.4	61.6	60.9	60.1
-30°	68.4	67.1	65.8	64.5	63.8	63.1	62.4	61.6	60.9	60.1	59.3
-31.25°	66.4	65.2	64.3	63.6	63.0	62.3	61.6	60.9	60.1	59.4	58.6
-32.5°	64.5	63.9	63.3	62.7	62.1	61.4	60.8	60.1	59.3	58.6	57.8
-33.75°	63.5	63.0	62.4	61.8	61.2	60.6	59.9	59.2	58.5	57.8	57.0
-35°	62.5	62.0	61.4	60.9	60.3	59.7	59.0	58.4	57.7	57.0	56.3
-36.25°	61.5	61.0	60.5	60.0	59.4	58.8	58.1	57.5	56.8	56.1	55.4
-37.5°	60.5	60.1	59.5	59.0	58.4	57.8	57.2	56.6	56.0	55.3	54.8
-38.75°	59.5	59.1	58.6	58.0	57.5	56.9	56.3	55.7	55.1	54.7	54.2
-40°	58.5	58.0	57.5	57.0	56.5	56.0	55.4	54.9	54.5	54.1	53.7
-41.25°	57.5	57.0	56.5	56.0	55.5	55.0	54.7	54.3	53.9	53.5	53.5
-42.5°	56.4	56.0	55.5	55.1	54.7	54.4	54.0	53.7	53.5	53.5	53.5
-43.75°	55.3	55.0	54.7	54.4	54.1	53.7	53.5	53.5	53.5	53.5	53.5
-45°	54.6	54.3	54.0	53.7	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-46.25°	53.8	53.6	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
-47.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.3
-48.75°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.4	53.1	52.7
-50°	53.5	53.5	53.5	53.5	53.5	53.5	53.3	53.1	52.7	52.4	52.1
-51.25°	53.5	53.5	53.5	53.5	53.2	53.0	52.7	52.4	52.1	51.6	50.7
-52.5°	53.4	53.2	53.0	52.8	52.5	52.3	52.0	51.4	50.6	49.7	48.8
-53.75°	52.7	52.5	52.3	52.1	51.7	51.0	50.2	49.5	48.6	47.8	47.0
-55°	52.0	51.5	50.9	50.3	49.6	48.9	48.2	47.5	46.8	46.1	45.4
-56.25°	49.9	49.4	48.8	48.2	47.5	46.9	46.3	45.7	45.1	44.5	43.8
-57.5°	47.7	47.2	46.7	46.2	45.7	45.2	44.6	44.1	43.5	42.7	41.7
-58.75°	45.8	45.4	44.9	44.5	44.0	43.5	42.8	42.0	41.0	40.1	39.1
-60°	43.9	43.5	43.1	42.4	41.7	40.9	40.1	39.3	38.4	37.5	36.6
-61.25°	41.5	40.9	40.2	39.6	38.9	38.1	37.4	36.6	35.7	34.9	34.0
-62.5°	38.5	38.0	37.3	36.7	36.0	35.3	34.6	33.8	33.0	32.2	31.4
-63.75°	35.6	35.0	34.4	33.8	33.2	32.5	31.8	31.1	30.4	29.7	29.0
-65°	32.6	32.1	31.5	31.0	30.4	29.8	29.2	28.6	28.0	27.3	26.7
-66.25°	29.7	29.3	28.8	28.4	27.9	27.3	26.8	26.2	25.6	25.0	24.4
-67.5°	27.1	26.7	26.3	25.8	25.4	24.9	24.4	24.0	23.5	23.0	22.5
-68.75°	24.5	24.2	23.9	23.5	23.2	22.8	22.4	21.9	21.5	21.0	20.6
-70°	22.3	22.0	21.7	21.4	21.0	20.7	20.3	19.9	19.7	19.4	19.1
-71.25°	20.2	19.9	19.7	19.5	19.3	19.0	18.8	18.6	18.3	18.0	17.7
-72.5°	18.6	18.4	18.2	18.0	17.8	17.6	17.4	17.2	16.9	16.7	16.6
-73.75°	17.1	17.0	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1	15.9
-75°	16.2	16.1	16.1	16.0	15.9	15.8	15.7	15.6	15.5	15.4	15.3
-76.25°	15.5	15.4	15.3	15.2	15.1	15.0	14.9	14.7	14.6	14.5	14.3
-77.5°	14.5	14.4	14.3	14.2	14.1	13.9	13.8	13.7	13.6	13.4	13.3



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	13.3	13.3	13.2	13.1	13.0	12.9	12.8	12.6	12.5	12.3	12.1
-80°	12.0	11.9	11.8	11.7	11.6	11.5	11.3	11.2	11.1	10.9	10.8
-81.25°	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.4
-82.5°	9.0	8.9	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
-83.75°	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7
-85°	5.9	5.9	5.8	5.7	5.6	5.6	5.5	5.4	5.3	5.2	5.1
-86.25°	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.5
-87.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
87.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
86.25°	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
85°	5.0	5.0	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	3.9
83.75°	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.6	5.5	5.3
82.5°	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6
81.25°	9.3	9.2	9.0	8.9	8.7	8.6	8.4	8.2	8.1	7.9	7.7
80°	10.6	10.5	10.3	10.1	10.0	9.8	9.6	9.4	9.2	9.0	8.8
78.75°	11.9	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.1	9.9
77.5°	13.2	13.0	12.9	12.7	12.4	12.2	12.0	11.8	11.5	11.3	11.0
76.25°	14.1	14.0	13.8	13.6	13.5	13.3	13.1	12.9	12.7	12.4	12.1
75°	15.1	15.0	14.8	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.1
73.75°	15.8	15.7	15.5	15.4	15.3	15.1	14.9	14.6	14.4	14.2	13.9
72.5°	16.5	16.3	16.2	16.0	15.9	15.7	15.6	15.4	15.2	15.0	14.7
71.25°	17.4	17.1	16.8	16.7	16.5	16.3	16.2	16.0	15.8	15.6	15.4
70°	18.7	18.4	18.1	17.8	17.4	17.0	16.7	16.5	16.4	16.2	16.0
68.75°	20.1	19.7	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.7	16.5
67.5°	22.0	21.4	20.9	20.3	19.8	19.4	19.0	18.6	18.1	17.7	17.2
66.25°	23.9	23.3	22.7	22.1	21.5	20.9	20.2	19.7	19.2	18.8	18.3
65°	26.0	25.3	24.6	23.9	23.3	22.6	21.9	21.2	20.5	19.9	19.4
63.75°	28.2	27.5	26.7	25.9	25.1	24.3	23.6	22.9	22.1	21.4	20.6
62.5°	30.5	29.7	28.9	28.0	27.2	26.3	25.4	24.5	23.7	22.9	22.1
61.25°	33.0	32.1	31.1	30.1	29.3	28.3	27.4	26.4	25.4	24.5	23.6
60°	35.6	34.6	33.6	32.5	31.5	30.4	29.4	28.4	27.3	26.3	25.2
58.75°	38.1	37.1	36.0	34.9	33.8	32.6	31.5	30.3	29.2	28.1	27.0
57.5°	40.6	39.5	38.4	37.3	36.1	34.9	33.7	32.4	31.2	29.9	28.8
56.25°	43.1	42.0	40.8	39.7	38.4	37.2	35.9	34.6	33.3	31.9	30.5
55°	44.7	43.9	43.2	42.0	40.7	39.4	38.1	36.7	35.4	34.0	32.5
53.75°	46.2	45.5	44.7	43.9	43.0	41.7	40.3	38.9	37.4	36.0	34.5
52.5°	47.9	47.0	46.1	45.3	44.5	43.6	42.4	41.0	39.5	38.0	36.4
51.25°	49.7	48.7	47.7	46.7	45.9	44.9	44.0	43.1	41.5	40.0	38.4
50°	51.5	50.5	49.4	48.4	47.3	46.3	45.3	44.4	43.4	41.9	40.3
48.75°	52.4	52.0	51.2	50.1	48.9	47.7	46.6	45.6	44.6	43.6	42.1
47.5°	53.0	52.6	52.2	51.7	50.5	49.3	48.1	46.9	45.8	44.8	43.7
46.25°	53.5	53.2	52.8	52.4	52.0	50.9	49.6	48.4	47.0	45.9	44.8
45°	53.5	53.5	53.4	52.9	52.5	52.1	51.2	49.8	48.5	47.1	45.9
43.75°	53.5	53.5	53.5	53.5	53.0	52.6	52.2	51.3	49.9	48.5	47.0
42.5°	53.5	53.5	53.5	53.5	53.5	53.1	52.6	52.2	51.3	49.8	48.4
41.25°	53.5	53.5	53.5	53.5	53.5	53.5	53.1	52.6	52.2	51.2	49.6
40°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.1	52.6	52.1	50.9
38.75°	53.8	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.0	52.5	52.0
37.5°	54.3	53.8	53.5	53.5	53.5	53.5	53.5	53.5	53.5	52.9	52.4
36.25°	54.8	54.4	53.9	53.5	53.5	53.5	53.5	53.5	53.5	53.4	52.8
35°	55.5	54.9	54.4	53.8	53.5	53.5	53.5	53.5	53.5	53.5	53.2



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	56.3	55.5	54.8	54.3	53.8	53.5	53.5	53.5	53.5	53.5	53.5
32.5°	57.0	56.3	55.4	54.8	54.2	53.7	53.5	53.5	53.5	53.5	53.5
31.25°	57.8	57.0	56.1	55.3	54.7	54.1	53.5	53.5	53.5	53.5	53.5
30°	58.5	57.7	56.8	56.0	55.1	54.5	53.9	53.5	53.5	53.5	53.5
28.75°	59.2	58.4	57.5	56.6	55.7	54.9	54.3	53.7	53.5	53.5	53.5
27.5°	59.9	59.0	58.1	57.2	56.3	55.4	54.7	54.0	53.5	53.5	53.5
26.25°	60.6	59.7	58.8	57.8	56.9	56.0	55.0	54.4	53.7	53.5	53.5
25°	61.2	60.3	59.4	58.4	57.5	56.5	55.5	54.7	54.1	53.5	53.5
23.75°	61.8	60.9	60.0	59.0	58.0	57.0	56.0	55.1	54.4	53.7	53.5
22.5°	62.4	61.4	60.5	59.5	58.6	57.5	56.5	55.5	54.7	54.0	53.5
21.25°	63.0	62.0	61.0	60.1	59.1	58.0	57.0	56.0	55.0	54.3	53.6
20°	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.4	55.3	54.6	53.8
18.75°	64.1	63.0	62.0	61.0	60.0	58.9	57.9	56.8	55.7	54.8	54.1
17.5°	64.6	63.5	62.5	61.4	60.4	59.4	58.3	57.2	56.1	55.0	54.3
16.25°	65.5	64.0	62.9	61.8	60.8	59.8	58.7	57.6	56.5	55.3	54.5
15°	66.4	64.4	63.3	62.2	61.2	60.1	59.0	57.9	56.8	55.7	54.7
13.75°	67.2	65.0	63.7	62.6	61.5	60.4	59.3	58.2	57.1	55.9	54.9
12.5°	68.0	65.8	64.1	62.9	61.8	60.7	59.6	58.5	57.4	56.2	55.1
11.25°	68.7	66.4	64.4	63.2	62.1	61.0	59.9	58.8	57.6	56.5	55.3
10°	69.3	67.0	64.8	63.5	62.4	61.3	60.1	59.0	57.8	56.7	55.5
8.75°	70.8	67.6	65.3	63.8	62.6	61.5	60.4	59.2	58.0	56.9	55.7
7.5°	72.2	68.1	65.7	64.0	62.8	61.7	60.5	59.4	58.2	57.0	55.9
6.25°	73.4	68.5	66.1	64.2	63.0	61.8	60.7	59.5	58.4	57.2	56.0
5°	74.4	68.8	66.4	64.3	63.1	62.0	60.8	59.7	58.5	57.3	56.1
3.75°	75.2	69.1	66.7	64.4	63.3	62.1	60.9	59.8	58.6	57.4	56.2
2.5°	75.8	69.3	66.9	64.5	63.3	62.1	61.0	59.8	58.6	57.4	56.2
1.25°	76.1	69.4	67.0	64.6	63.4	62.2	61.0	59.9	58.7	57.5	56.3
0°	76.2	69.4	67.0	64.6	63.4	62.2	61.1	59.9	58.7	57.5	56.3
-1.25°	76.1	69.4	67.0	64.6	63.4	62.2	61.0	59.9	58.7	57.5	56.3
-2.5°	75.8	69.3	66.9	64.5	63.3	62.1	61.0	59.8	58.6	57.4	56.2
-3.75°	75.2	69.1	66.7	64.4	63.3	62.1	60.9	59.8	58.6	57.4	56.2
-5°	74.4	68.8	66.4	64.3	63.1	62.0	60.8	59.7	58.5	57.3	56.1
-6.25°	73.4	68.5	66.1	64.2	63.0	61.8	60.7	59.5	58.4	57.2	56.0
-7.5°	72.2	68.1	65.7	64.0	62.8	61.7	60.5	59.4	58.2	57.0	55.9
-8.75°	70.8	67.6	65.3	63.8	62.6	61.5	60.4	59.2	58.0	56.9	55.7
-10°	69.3	67.0	64.8	63.5	62.4	61.3	60.1	59.0	57.8	56.7	55.5
-11.25°	68.7	66.4	64.4	63.2	62.1	61.0	59.9	58.8	57.6	56.5	55.3
-12.5°	68.0	65.8	64.1	62.9	61.8	60.7	59.6	58.5	57.4	56.2	55.1
-13.75°	67.2	65.0	63.7	62.6	61.5	60.4	59.3	58.2	57.1	55.9	54.9
-15°	66.4	64.4	63.3	62.2	61.2	60.1	59.0	57.9	56.8	55.7	54.7
-16.25°	65.5	64.0	62.9	61.8	60.8	59.8	58.7	57.6	56.5	55.3	54.5
-17.5°	64.6	63.5	62.5	61.4	60.4	59.4	58.3	57.2	56.1	55.0	54.3
-18.75°	64.1	63.0	62.0	61.0	60.0	58.9	57.9	56.8	55.7	54.8	54.1
-20°	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.4	55.3	54.6	53.8
-21.25°	63.0	62.0	61.0	60.1	59.1	58.0	57.0	56.0	55.0	54.3	53.6



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	62.4	61.4	60.5	59.5	58.6	57.5	56.5	55.5	54.7	54.0	53.5
-23.75°	61.8	60.9	60.0	59.0	58.0	57.0	56.0	55.1	54.4	53.7	53.5
-25°	61.2	60.3	59.4	58.4	57.5	56.5	55.5	54.7	54.1	53.5	53.5
-26.25°	60.6	59.7	58.8	57.8	56.9	56.0	55.0	54.4	53.7	53.5	53.5
-27.5°	59.9	59.0	58.1	57.2	56.3	55.4	54.7	54.0	53.5	53.5	53.5
-28.75°	59.2	58.4	57.5	56.6	55.7	54.9	54.3	53.7	53.5	53.5	53.5
-30°	58.5	57.7	56.8	56.0	55.1	54.5	53.9	53.5	53.5	53.5	53.5
-31.25°	57.8	57.0	56.1	55.3	54.7	54.1	53.5	53.5	53.5	53.5	53.5
-32.5°	57.0	56.3	55.4	54.8	54.2	53.7	53.5	53.5	53.5	53.5	53.5
-33.75°	56.3	55.5	54.8	54.3	53.8	53.5	53.5	53.5	53.5	53.5	53.5
-35°	55.5	54.9	54.4	53.8	53.5	53.5	53.5	53.5	53.5	53.5	53.2
-36.25°	54.8	54.4	53.9	53.5	53.5	53.5	53.5	53.5	53.5	53.4	52.8
-37.5°	54.3	53.8	53.5	53.5	53.5	53.5	53.5	53.5	53.5	52.9	52.4
-38.75°	53.8	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.0	52.5	52.0
-40°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.1	52.6	52.1	50.9
-41.25°	53.5	53.5	53.5	53.5	53.5	53.5	53.1	52.6	52.2	51.2	49.6
-42.5°	53.5	53.5	53.5	53.5	53.5	53.1	52.6	52.2	51.3	49.8	48.4
-43.75°	53.5	53.5	53.5	53.5	53.0	52.6	52.2	51.3	49.9	48.5	47.0
-45°	53.5	53.5	53.4	52.9	52.5	52.1	51.2	49.8	48.5	47.1	45.9
-46.25°	53.5	53.2	52.8	52.4	52.0	50.9	49.6	48.4	47.0	45.9	44.8
-47.5°	53.0	52.6	52.2	51.7	50.5	49.3	48.1	46.9	45.8	44.8	43.7
-48.75°	52.4	52.0	51.2	50.1	48.9	47.7	46.6	45.6	44.6	43.6	42.1
-50°	51.5	50.5	49.4	48.4	47.3	46.3	45.3	44.4	43.4	41.9	40.3
-51.25°	49.7	48.7	47.7	46.7	45.9	44.9	44.0	43.1	41.5	40.0	38.4
-52.5°	47.9	47.0	46.1	45.3	44.5	43.6	42.4	41.0	39.5	38.0	36.4
-53.75°	46.2	45.5	44.7	43.9	43.0	41.7	40.3	38.9	37.4	36.0	34.5
-55°	44.7	43.9	43.2	42.0	40.7	39.4	38.1	36.7	35.4	34.0	32.5
-56.25°	43.1	42.0	40.8	39.7	38.4	37.2	35.9	34.6	33.3	31.9	30.5
-57.5°	40.6	39.5	38.4	37.3	36.1	34.9	33.7	32.4	31.2	29.9	28.8
-58.75°	38.1	37.1	36.0	34.9	33.8	32.6	31.5	30.3	29.2	28.1	27.0
-60°	35.6	34.6	33.6	32.5	31.5	30.4	29.4	28.4	27.3	26.3	25.2
-61.25°	33.0	32.1	31.1	30.1	29.3	28.3	27.4	26.4	25.4	24.5	23.6
-62.5°	30.5	29.7	28.9	28.0	27.2	26.3	25.4	24.5	23.7	22.9	22.1
-63.75°	28.2	27.5	26.7	25.9	25.1	24.3	23.6	22.9	22.1	21.4	20.6
-65°	26.0	25.3	24.6	23.9	23.3	22.6	21.9	21.2	20.5	19.9	19.4
-66.25°	23.9	23.3	22.7	22.1	21.5	20.9	20.2	19.7	19.2	18.8	18.3
-67.5°	22.0	21.4	20.9	20.3	19.8	19.4	19.0	18.6	18.1	17.7	17.2
-68.75°	20.1	19.7	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.7	16.5
-70°	18.7	18.4	18.1	17.8	17.4	17.0	16.7	16.5	16.4	16.2	16.0
-71.25°	17.4	17.1	16.8	16.7	16.5	16.3	16.2	16.0	15.8	15.6	15.4
-72.5°	16.5	16.3	16.2	16.0	15.9	15.7	15.6	15.4	15.2	15.0	14.7
-73.75°	15.8	15.7	15.5	15.4	15.3	15.1	14.9	14.6	14.4	14.2	13.9
-75°	15.1	15.0	14.8	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.1
-76.25°	14.1	14.0	13.8	13.6	13.5	13.3	13.1	12.9	12.7	12.4	12.1
-77.5°	13.2	13.0	12.9	12.7	12.4	12.2	12.0	11.8	11.5	11.3	11.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	11.9	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.1	9.9
-80°	10.6	10.5	10.3	10.1	10.0	9.8	9.6	9.4	9.2	9.0	8.8
-81.25°	9.3	9.2	9.0	8.9	8.7	8.6	8.4	8.2	8.1	7.9	7.7
-82.5°	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6
-83.75°	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.6	5.5	5.3
-85°	5.0	5.0	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	3.9
-86.25°	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
-87.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
-88.75°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	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: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
87.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
86.25°	2.5	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.8
85°	3.8	3.7	3.5	3.4	3.3	3.1	3.0	2.8	2.7	2.5	2.4
83.75°	5.1	5.0	4.8	4.7	4.5	4.3	4.1	3.9	3.8	3.6	3.4
82.5°	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.8	4.6	4.4
81.25°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	5.9	5.6	5.4
80°	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.9	6.6	6.4
78.75°	9.7	9.5	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.4	7.2
77.5°	10.8	10.5	10.2	10.0	9.7	9.4	9.1	8.8	8.5	8.3	8.0
76.25°	11.8	11.5	11.2	11.0	10.6	10.3	10.0	9.7	9.4	9.1	8.7
75°	12.9	12.6	12.3	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.5
73.75°	13.7	13.4	13.1	12.9	12.6	12.2	11.8	11.4	11.1	10.7	10.3
72.5°	14.5	14.2	13.9	13.6	13.3	13.0	12.7	12.3	11.9	11.5	11.1
71.25°	15.2	14.9	14.6	14.3	14.0	13.7	13.4	13.1	12.7	12.3	11.8
70°	15.8	15.5	15.3	15.1	14.7	14.4	14.1	13.7	13.4	13.0	12.6
68.75°	16.3	16.0	15.8	15.6	15.4	15.1	14.7	14.4	14.0	13.6	13.2
67.5°	16.8	16.6	16.3	16.1	15.8	15.6	15.3	15.0	14.6	14.2	13.8
66.25°	17.8	17.3	16.8	16.5	16.3	16.0	15.7	15.5	15.2	14.8	14.4
65°	18.8	18.3	17.8	17.2	16.7	16.5	16.2	15.9	15.6	15.3	14.9
63.75°	19.9	19.3	18.7	18.2	17.6	17.0	16.6	16.3	16.0	15.7	15.4
62.5°	21.3	20.4	19.7	19.1	18.5	17.9	17.3	16.7	16.4	16.1	15.7
61.25°	22.7	21.9	21.0	20.0	19.4	18.8	18.1	17.4	16.8	16.4	16.1
60°	24.2	23.3	22.3	21.4	20.4	19.6	18.9	18.2	17.5	16.8	16.5
58.75°	25.9	24.7	23.7	22.7	21.7	20.7	19.8	19.0	18.3	17.6	16.8
57.5°	27.6	26.4	25.2	24.0	23.0	21.9	20.8	19.8	19.1	18.3	17.5
56.25°	29.3	28.0	26.8	25.5	24.3	23.2	22.0	20.9	19.8	19.0	18.2
55°	31.1	29.7	28.4	27.0	25.7	24.4	23.2	22.0	20.8	19.8	18.9
53.75°	33.0	31.4	29.9	28.6	27.2	25.7	24.4	23.2	21.9	20.7	19.6
52.5°	34.9	33.3	31.7	30.1	28.6	27.2	25.7	24.3	23.0	21.7	20.4
51.25°	36.7	35.1	33.4	31.7	30.1	28.6	27.0	25.5	24.0	22.7	21.4
50°	38.6	36.9	35.2	33.4	31.7	29.9	28.4	26.8	25.2	23.7	22.3
48.75°	40.4	38.7	36.9	35.1	33.3	31.4	29.7	28.0	26.4	24.7	23.3
47.5°	42.2	40.4	38.6	36.7	34.9	33.0	31.1	29.3	27.6	25.9	24.2
46.25°	43.7	42.1	40.3	38.4	36.4	34.5	32.5	30.5	28.8	27.0	25.2
45°	44.8	43.6	41.9	40.0	38.0	36.0	34.0	31.9	29.9	28.1	26.3
43.75°	45.8	44.6	43.4	41.5	39.5	37.4	35.4	33.3	31.2	29.2	27.3
42.5°	46.9	45.6	44.4	43.1	41.0	38.9	36.7	34.6	32.4	30.3	28.4
41.25°	48.1	46.6	45.3	44.0	42.4	40.3	38.1	35.9	33.7	31.5	29.4
40°	49.3	47.7	46.3	44.9	43.6	41.7	39.4	37.2	34.9	32.6	30.4
38.75°	50.5	48.9	47.3	45.9	44.5	43.0	40.7	38.4	36.1	33.8	31.5
37.5°	51.7	50.1	48.4	46.7	45.3	43.9	42.0	39.7	37.3	34.9	32.5
36.25°	52.2	51.2	49.4	47.7	46.1	44.7	43.2	40.8	38.4	36.0	33.6
35°	52.6	52.0	50.5	48.7	47.0	45.5	43.9	42.0	39.5	37.1	34.6



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	53.0	52.4	51.5	49.7	47.9	46.2	44.7	43.1	40.6	38.1	35.6
32.5°	53.3	52.7	52.1	50.7	48.8	47.0	45.4	43.8	41.7	39.1	36.6
31.25°	53.5	53.1	52.4	51.6	49.7	47.8	46.1	44.5	42.7	40.1	37.5
30°	53.5	53.4	52.7	52.1	50.6	48.6	46.8	45.1	43.5	41.0	38.4
28.75°	53.5	53.5	53.1	52.4	51.4	49.5	47.5	45.7	44.1	42.0	39.3
27.5°	53.5	53.5	53.3	52.7	52.0	50.2	48.2	46.3	44.6	42.8	40.1
26.25°	53.5	53.5	53.5	53.0	52.3	51.0	48.9	46.9	45.2	43.5	40.9
25°	53.5	53.5	53.5	53.2	52.5	51.7	49.6	47.5	45.7	44.0	41.7
23.75°	53.5	53.5	53.5	53.5	52.8	52.1	50.3	48.2	46.2	44.5	42.4
22.5°	53.5	53.5	53.5	53.5	53.0	52.3	50.9	48.8	46.7	44.9	43.1
21.25°	53.5	53.5	53.5	53.5	53.2	52.5	51.5	49.4	47.2	45.4	43.5
20°	53.5	53.5	53.5	53.5	53.4	52.7	52.0	49.9	47.7	45.8	43.9
18.75°	53.5	53.5	53.5	53.5	53.5	52.9	52.2	50.4	48.2	46.2	44.3
17.5°	53.6	53.5	53.5	53.5	53.5	53.1	52.3	50.9	48.7	46.5	44.7
16.25°	53.8	53.5	53.5	53.5	53.5	53.2	52.5	51.4	49.1	46.9	45.0
15°	54.0	53.5	53.5	53.5	53.5	53.4	52.6	51.8	49.5	47.2	45.3
13.75°	54.1	53.5	53.5	53.5	53.5	53.5	52.8	52.0	49.9	47.6	45.6
12.5°	54.3	53.5	53.5	53.5	53.5	53.5	52.9	52.1	50.2	47.9	45.9
11.25°	54.5	53.7	53.5	53.5	53.5	53.5	53.0	52.2	50.6	48.2	46.1
10°	54.6	53.8	53.5	53.5	53.5	53.5	53.1	52.3	50.8	48.5	46.3
8.75°	54.7	53.9	53.5	53.5	53.5	53.5	53.2	52.4	51.1	48.7	46.5
7.5°	54.8	54.0	53.5	53.5	53.5	53.5	53.3	52.5	51.3	48.9	46.6
6.25°	54.9	54.1	53.5	53.5	53.5	53.5	53.3	52.6	51.5	49.1	46.8
5°	55.0	54.2	53.5	53.5	53.5	53.5	53.4	52.6	51.6	49.2	46.9
3.75°	55.0	54.2	53.5	53.5	53.5	53.5	53.4	52.6	51.8	49.4	47.0
2.5°	55.1	54.3	53.5	53.5	53.5	53.5	53.5	52.7	51.8	49.4	47.0
1.25°	55.1	54.3	53.5	53.5	53.5	53.5	53.5	52.7	51.9	49.5	47.1
0°	55.1	54.3	53.5	53.5	53.5	53.5	53.5	52.7	51.9	49.5	47.1
-1.25°	55.1	54.3	53.5	53.5	53.5	53.5	53.5	52.7	51.9	49.5	47.1
-2.5°	55.1	54.3	53.5	53.5	53.5	53.5	53.5	52.7	51.8	49.4	47.0
-3.75°	55.0	54.2	53.5	53.5	53.5	53.5	53.4	52.6	51.8	49.4	47.0
-5°	55.0	54.2	53.5	53.5	53.5	53.5	53.4	52.6	51.6	49.2	46.9
-6.25°	54.9	54.1	53.5	53.5	53.5	53.5	53.3	52.6	51.5	49.1	46.8
-7.5°	54.8	54.0	53.5	53.5	53.5	53.5	53.3	52.5	51.3	48.9	46.6
-8.75°	54.7	53.9	53.5	53.5	53.5	53.5	53.2	52.4	51.1	48.7	46.5
-10°	54.6	53.8	53.5	53.5	53.5	53.5	53.1	52.3	50.8	48.5	46.3
-11.25°	54.5	53.7	53.5	53.5	53.5	53.5	53.0	52.2	50.6	48.2	46.1
-12.5°	54.3	53.5	53.5	53.5	53.5	53.5	52.9	52.1	50.2	47.9	45.9
-13.75°	54.1	53.5	53.5	53.5	53.5	53.5	52.8	52.0	49.9	47.6	45.6
-15°	54.0	53.5	53.5	53.5	53.5	53.4	52.6	51.8	49.5	47.2	45.3
-16.25°	53.8	53.5	53.5	53.5	53.5	53.2	52.5	51.4	49.1	46.9	45.0
-17.5°	53.6	53.5	53.5	53.5	53.5	53.1	52.3	50.9	48.7	46.5	44.7
-18.75°	53.5	53.5	53.5	53.5	53.5	52.9	52.2	50.4	48.2	46.2	44.3
-20°	53.5	53.5	53.5	53.5	53.4	52.7	52.0	49.9	47.7	45.8	43.9
-21.25°	53.5	53.5	53.5	53.5	53.2	52.5	51.5	49.4	47.2	45.4	43.5





REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	53.5	53.5	53.5	53.5	53.0	52.3	50.9	48.8	46.7	44.9	43.1
-23.75°	53.5	53.5	53.5	53.5	52.8	52.1	50.3	48.2	46.2	44.5	42.4
-25°	53.5	53.5	53.5	53.2	52.5	51.7	49.6	47.5	45.7	44.0	41.7
-26.25°	53.5	53.5	53.5	53.0	52.3	51.0	48.9	46.9	45.2	43.5	40.9
-27.5°	53.5	53.5	53.3	52.7	52.0	50.2	48.2	46.3	44.6	42.8	40.1
-28.75°	53.5	53.5	53.1	52.4	51.4	49.5	47.5	45.7	44.1	42.0	39.3
-30°	53.5	53.4	52.7	52.1	50.6	48.6	46.8	45.1	43.5	41.0	38.4
-31.25°	53.5	53.1	52.4	51.6	49.7	47.8	46.1	44.5	42.7	40.1	37.5
-32.5°	53.3	52.7	52.1	50.7	48.8	47.0	45.4	43.8	41.7	39.1	36.6
-33.75°	53.0	52.4	51.5	49.7	47.9	46.2	44.7	43.1	40.6	38.1	35.6
-35°	52.6	52.0	50.5	48.7	47.0	45.5	43.9	42.0	39.5	37.1	34.6
-36.25°	52.2	51.2	49.4	47.7	46.1	44.7	43.2	40.8	38.4	36.0	33.6
-37.5°	51.7	50.1	48.4	46.7	45.3	43.9	42.0	39.7	37.3	34.9	32.5
-38.75°	50.5	48.9	47.3	45.9	44.5	43.0	40.7	38.4	36.1	33.8	31.5
-40°	49.3	47.7	46.3	44.9	43.6	41.7	39.4	37.2	34.9	32.6	30.4
-41.25°	48.1	46.6	45.3	44.0	42.4	40.3	38.1	35.9	33.7	31.5	29.4
-42.5°	46.9	45.6	44.4	43.1	41.0	38.9	36.7	34.6	32.4	30.3	28.4
-43.75°	45.8	44.6	43.4	41.5	39.5	37.4	35.4	33.3	31.2	29.2	27.3
-45°	44.8	43.6	41.9	40.0	38.0	36.0	34.0	31.9	29.9	28.1	26.3
-46.25°	43.7	42.1	40.3	38.4	36.4	34.5	32.5	30.5	28.8	27.0	25.2
-47.5°	42.2	40.4	38.6	36.7	34.9	33.0	31.1	29.3	27.6	25.9	24.2
-48.75°	40.4	38.7	36.9	35.1	33.3	31.4	29.7	28.0	26.4	24.7	23.3
-50°	38.6	36.9	35.2	33.4	31.7	29.9	28.4	26.8	25.2	23.7	22.3
-51.25°	36.7	35.1	33.4	31.7	30.1	28.6	27.0	25.5	24.0	22.7	21.4
-52.5°	34.9	33.3	31.7	30.1	28.6	27.2	25.7	24.3	23.0	21.7	20.4
-53.75°	33.0	31.4	29.9	28.6	27.2	25.7	24.4	23.2	21.9	20.7	19.6
-55°	31.1	29.7	28.4	27.0	25.7	24.4	23.2	22.0	20.8	19.8	18.9
-56.25°	29.3	28.0	26.8	25.5	24.3	23.2	22.0	20.9	19.8	19.0	18.2
-57.5°	27.6	26.4	25.2	24.0	23.0	21.9	20.8	19.8	19.1	18.3	17.5
-58.75°	25.9	24.7	23.7	22.7	21.7	20.7	19.8	19.0	18.3	17.6	16.8
-60°	24.2	23.3	22.3	21.4	20.4	19.6	18.9	18.2	17.5	16.8	16.5
-61.25°	22.7	21.9	21.0	20.0	19.4	18.8	18.1	17.4	16.8	16.4	16.1
-62.5°	21.3	20.4	19.7	19.1	18.5	17.9	17.3	16.7	16.4	16.1	15.7
-63.75°	19.9	19.3	18.7	18.2	17.6	17.0	16.6	16.3	16.0	15.7	15.4
-65°	18.8	18.3	17.8	17.2	16.7	16.5	16.2	15.9	15.6	15.3	14.9
-66.25°	17.8	17.3	16.8	16.5	16.3	16.0	15.7	15.5	15.2	14.8	14.4
-67.5°	16.8	16.6	16.3	16.1	15.8	15.6	15.3	15.0	14.6	14.2	13.8
-68.75°	16.3	16.0	15.8	15.6	15.4	15.1	14.7	14.4	14.0	13.6	13.2
-70°	15.8	15.5	15.3	15.1	14.7	14.4	14.1	13.7	13.4	13.0	12.6
-71.25°	15.2	14.9	14.6	14.3	14.0	13.7	13.4	13.1	12.7	12.3	11.8
-72.5°	14.5	14.2	13.9	13.6	13.3	13.0	12.7	12.3	11.9	11.5	11.1
-73.75°	13.7	13.4	13.1	12.9	12.6	12.2	11.8	11.4	11.1	10.7	10.3
-75°	12.9	12.6	12.3	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.5
-76.25°	11.8	11.5	11.2	11.0	10.6	10.3	10.0	9.7	9.4	9.1	8.7
-77.5°	10.8	10.5	10.2	10.0	9.7	9.4	9.1	8.8	8.5	8.3	8.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	9.7	9.5	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.4	7.2
-80°	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.9	6.6	6.4
-81.25°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	5.9	5.6	5.4
-82.5°	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.8	4.6	4.4
-83.75°	5.1	5.0	4.8	4.7	4.5	4.3	4.1	3.9	3.8	3.6	3.4
-85°	3.8	3.7	3.5	3.4	3.3	3.1	3.0	2.8	2.7	2.5	2.4
-86.25°	2.5	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-87.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-88.75°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	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: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
87.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
86.25°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
85°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
83.75°	3.2	3.0	2.8	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
82.5°	4.2	3.9	3.7	3.5	3.2	3.0	2.7	2.5	2.3	2.2	2.0
81.25°	5.1	4.8	4.6	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.3
80°	6.1	5.8	5.4	5.1	4.8	4.5	4.2	3.8	3.5	3.2	2.9
78.75°	6.9	6.6	6.3	6.0	5.6	5.3	4.9	4.5	4.2	3.8	3.4
77.5°	7.6	7.3	7.0	6.7	6.4	6.0	5.6	5.2	4.8	4.4	4.0
76.25°	8.4	8.1	7.7	7.4	7.0	6.7	6.3	5.9	5.4	5.0	4.5
75°	9.2	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.0	5.5	5.0
73.75°	9.9	9.5	9.1	8.7	8.3	7.9	7.5	7.0	6.6	6.1	5.6
72.5°	10.6	10.2	9.8	9.3	8.9	8.5	8.0	7.6	7.1	6.6	6.1
71.25°	11.4	10.9	10.5	10.0	9.5	9.0	8.6	8.1	7.6	7.1	6.6
70°	12.1	11.6	11.1	10.6	10.1	9.6	9.1	8.6	8.1	7.6	7.0
68.75°	12.8	12.3	11.8	11.3	10.7	10.2	9.7	9.1	8.6	8.0	7.5
67.5°	13.4	13.0	12.5	11.9	11.3	10.8	10.2	9.6	9.0	8.5	7.9
66.25°	13.9	13.5	13.1	12.5	11.9	11.3	10.7	10.1	9.5	8.9	8.3
65°	14.5	14.0	13.5	13.1	12.5	11.9	11.3	10.6	10.0	9.3	8.7
63.75°	15.0	14.5	14.0	13.5	13.1	12.5	11.8	11.1	10.5	9.8	9.1
62.5°	15.4	15.0	14.5	14.0	13.5	13.0	12.3	11.6	10.9	10.2	9.5
61.25°	15.8	15.4	15.0	14.5	13.9	13.4	12.8	12.1	11.4	10.6	9.9
60°	16.1	15.7	15.4	14.9	14.4	13.8	13.2	12.6	11.8	11.1	10.3
58.75°	16.4	16.1	15.7	15.3	14.8	14.2	13.6	13.0	12.3	11.5	10.7
57.5°	16.8	16.4	16.0	15.6	15.2	14.6	14.0	13.4	12.7	11.9	11.1
56.25°	17.4	16.7	16.3	15.9	15.5	15.0	14.4	13.7	13.1	12.3	11.4
55°	18.1	17.3	16.6	16.2	15.7	15.3	14.7	14.1	13.4	12.7	11.8
53.75°	18.8	17.9	17.0	16.5	16.0	15.6	15.1	14.4	13.7	13.0	12.2
52.5°	19.4	18.5	17.6	16.7	16.3	15.8	15.4	14.7	14.0	13.3	12.6
51.25°	20.0	19.1	18.2	17.2	16.5	16.1	15.6	15.1	14.3	13.6	12.9
50°	21.0	19.7	18.7	17.8	16.8	16.3	15.8	15.3	14.6	13.9	13.1
48.75°	21.9	20.4	19.3	18.3	17.3	16.6	16.0	15.5	14.9	14.2	13.4
47.5°	22.7	21.3	19.9	18.8	17.8	16.8	16.3	15.8	15.2	14.5	13.7
46.25°	23.6	22.1	20.6	19.4	18.3	17.2	16.5	16.0	15.4	14.7	13.9
45°	24.5	22.9	21.4	19.9	18.8	17.7	16.7	16.2	15.6	15.0	14.2
43.75°	25.4	23.7	22.1	20.5	19.2	18.1	17.0	16.4	15.8	15.2	14.4
42.5°	26.4	24.5	22.9	21.2	19.7	18.6	17.4	16.5	16.0	15.4	14.6
41.25°	27.4	25.4	23.6	21.9	20.2	19.0	17.8	16.7	16.2	15.6	14.9
40°	28.3	26.3	24.3	22.6	20.9	19.4	18.2	17.0	16.3	15.7	15.1
38.75°	29.3	27.2	25.1	23.3	21.5	19.8	18.6	17.4	16.5	15.9	15.3
37.5°	30.1	28.0	25.9	23.9	22.1	20.3	19.0	17.8	16.7	16.0	15.4
36.25°	31.1	28.9	26.7	24.6	22.7	20.9	19.4	18.1	16.8	16.2	15.5
35°	32.1	29.7	27.5	25.3	23.3	21.4	19.7	18.4	17.1	16.3	15.7

REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	33.0	30.5	28.2	26.0	23.9	22.0	20.1	18.7	17.4	16.5	15.8
32.5°	34.0	31.4	29.0	26.7	24.4	22.5	20.6	19.1	17.7	16.6	15.9
31.25°	34.9	32.2	29.7	27.3	25.0	23.0	21.0	19.4	18.0	16.7	16.1
30°	35.7	33.0	30.4	28.0	25.6	23.5	21.5	19.7	18.3	16.9	16.2
28.75°	36.6	33.8	31.1	28.6	26.2	24.0	21.9	19.9	18.6	17.2	16.3
27.5°	37.4	34.6	31.8	29.2	26.8	24.4	22.4	20.3	18.8	17.4	16.4
26.25°	38.1	35.3	32.5	29.8	27.3	24.9	22.8	20.7	19.0	17.6	16.5
25°	38.9	36.0	33.2	30.4	27.9	25.4	23.2	21.0	19.3	17.8	16.6
23.75°	39.6	36.7	33.8	31.0	28.4	25.8	23.5	21.4	19.5	18.0	16.7
22.5°	40.2	37.3	34.4	31.5	28.8	26.3	23.9	21.7	19.7	18.2	16.8
21.25°	40.9	38.0	35.0	32.1	29.3	26.7	24.2	22.0	19.9	18.4	17.0
20°	41.5	38.5	35.6	32.6	29.7	27.1	24.5	22.3	20.2	18.6	17.1
18.75°	42.1	39.1	36.1	33.1	30.1	27.5	24.9	22.6	20.4	18.8	17.3
17.5°	42.6	39.6	36.6	33.5	30.5	27.8	25.2	22.9	20.7	18.9	17.4
16.25°	43.1	40.1	37.0	34.0	30.9	28.2	25.5	23.1	20.9	19.1	17.5
15°	43.4	40.5	37.4	34.4	31.3	28.5	25.8	23.4	21.1	19.2	17.7
13.75°	43.7	40.9	37.8	34.7	31.7	28.8	26.1	23.6	21.3	19.3	17.8
12.5°	43.9	41.3	38.2	35.1	32.0	29.0	26.3	23.8	21.5	19.5	17.9
11.25°	44.1	41.6	38.5	35.4	32.3	29.3	26.5	23.9	21.6	19.6	18.0
10°	44.3	41.9	38.8	35.7	32.5	29.5	26.7	24.1	21.8	19.6	18.1
8.75°	44.5	42.2	39.1	35.9	32.7	29.7	26.9	24.2	21.9	19.7	18.2
7.5°	44.7	42.4	39.3	36.1	32.9	29.8	27.1	24.4	22.0	19.8	18.2
6.25°	44.8	42.6	39.5	36.3	33.1	30.0	27.2	24.5	22.1	19.9	18.3
5°	44.9	42.8	39.6	36.4	33.3	30.1	27.3	24.6	22.2	19.9	18.3
3.75°	45.0	42.9	39.7	36.6	33.4	30.2	27.4	24.6	22.3	20.0	18.4
2.5°	45.1	43.0	39.8	36.6	33.4	30.2	27.5	24.7	22.3	20.0	18.4
1.25°	45.1	43.1	39.9	36.7	33.5	30.3	27.5	24.7	22.3	20.0	18.4
0°	45.1	43.1	39.9	36.7	33.5	30.3	27.5	24.7	22.3	20.0	18.4
-1.25°	45.1	43.1	39.9	36.7	33.5	30.3	27.5	24.7	22.3	20.0	18.4
-2.5°	45.1	43.0	39.8	36.6	33.4	30.2	27.5	24.7	22.3	20.0	18.4
-3.75°	45.0	42.9	39.7	36.6	33.4	30.2	27.4	24.6	22.3	20.0	18.4
-5°	44.9	42.8	39.6	36.4	33.3	30.1	27.3	24.6	22.2	19.9	18.3
-6.25°	44.8	42.6	39.5	36.3	33.1	30.0	27.2	24.5	22.1	19.9	18.3
-7.5°	44.7	42.4	39.3	36.1	32.9	29.8	27.1	24.4	22.0	19.8	18.2
-8.75°	44.5	42.2	39.1	35.9	32.7	29.7	26.9	24.2	21.9	19.7	18.2
-10°	44.3	41.9	38.8	35.7	32.5	29.5	26.7	24.1	21.8	19.6	18.1
-11.25°	44.1	41.6	38.5	35.4	32.3	29.3	26.5	23.9	21.6	19.6	18.0
-12.5°	43.9	41.3	38.2	35.1	32.0	29.0	26.3	23.8	21.5	19.5	17.9
-13.75°	43.7	40.9	37.8	34.7	31.7	28.8	26.1	23.6	21.3	19.3	17.8
-15°	43.4	40.5	37.4	34.4	31.3	28.5	25.8	23.4	21.1	19.2	17.7
-16.25°	43.1	40.1	37.0	34.0	30.9	28.2	25.5	23.1	20.9	19.1	17.5
-17.5°	42.6	39.6	36.6	33.5	30.5	27.8	25.2	22.9	20.7	18.9	17.4
-18.75°	42.1	39.1	36.1	33.1	30.1	27.5	24.9	22.6	20.4	18.8	17.3
-20°	41.5	38.5	35.6	32.6	29.7	27.1	24.5	22.3	20.2	18.6	17.1
-21.25°	40.9	38.0	35.0	32.1	29.3	26.7	24.2	22.0	19.9	18.4	17.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	40.2	37.3	34.4	31.5	28.8	26.3	23.9	21.7	19.7	18.2	16.8
-23.75°	39.6	36.7	33.8	31.0	28.4	25.8	23.5	21.4	19.5	18.0	16.7
-25°	38.9	36.0	33.2	30.4	27.9	25.4	23.2	21.0	19.3	17.8	16.6
-26.25°	38.1	35.3	32.5	29.8	27.3	24.9	22.8	20.7	19.0	17.6	16.5
-27.5°	37.4	34.6	31.8	29.2	26.8	24.4	22.4	20.3	18.8	17.4	16.4
-28.75°	36.6	33.8	31.1	28.6	26.2	24.0	21.9	19.9	18.6	17.2	16.3
-30°	35.7	33.0	30.4	28.0	25.6	23.5	21.5	19.7	18.3	16.9	16.2
-31.25°	34.9	32.2	29.7	27.3	25.0	23.0	21.0	19.4	18.0	16.7	16.1
-32.5°	34.0	31.4	29.0	26.7	24.4	22.5	20.6	19.1	17.7	16.6	15.9
-33.75°	33.0	30.5	28.2	26.0	23.9	22.0	20.1	18.7	17.4	16.5	15.8
-35°	32.1	29.7	27.5	25.3	23.3	21.4	19.7	18.4	17.1	16.3	15.7
-36.25°	31.1	28.9	26.7	24.6	22.7	20.9	19.4	18.1	16.8	16.2	15.5
-37.5°	30.1	28.0	25.9	23.9	22.1	20.3	19.0	17.8	16.7	16.0	15.4
-38.75°	29.3	27.2	25.1	23.3	21.5	19.8	18.6	17.4	16.5	15.9	15.3
-40°	28.3	26.3	24.3	22.6	20.9	19.4	18.2	17.0	16.3	15.7	15.1
-41.25°	27.4	25.4	23.6	21.9	20.2	19.0	17.8	16.7	16.2	15.6	14.9
-42.5°	26.4	24.5	22.9	21.2	19.7	18.6	17.4	16.5	16.0	15.4	14.6
-43.75°	25.4	23.7	22.1	20.5	19.2	18.1	17.0	16.4	15.8	15.2	14.4
-45°	24.5	22.9	21.4	19.9	18.8	17.7	16.7	16.2	15.6	15.0	14.2
-46.25°	23.6	22.1	20.6	19.4	18.3	17.2	16.5	16.0	15.4	14.7	13.9
-47.5°	22.7	21.3	19.9	18.8	17.8	16.8	16.3	15.8	15.2	14.5	13.7
-48.75°	21.9	20.4	19.3	18.3	17.3	16.6	16.0	15.5	14.9	14.2	13.4
-50°	21.0	19.7	18.7	17.8	16.8	16.3	15.8	15.3	14.6	13.9	13.1
-51.25°	20.0	19.1	18.2	17.2	16.5	16.1	15.6	15.1	14.3	13.6	12.9
-52.5°	19.4	18.5	17.6	16.7	16.3	15.8	15.4	14.7	14.0	13.3	12.6
-53.75°	18.8	17.9	17.0	16.5	16.0	15.6	15.1	14.4	13.7	13.0	12.2
-55°	18.1	17.3	16.6	16.2	15.7	15.3	14.7	14.1	13.4	12.7	11.8
-56.25°	17.4	16.7	16.3	15.9	15.5	15.0	14.4	13.7	13.1	12.3	11.4
-57.5°	16.8	16.4	16.0	15.6	15.2	14.6	14.0	13.4	12.7	11.9	11.1
-58.75°	16.4	16.1	15.7	15.3	14.8	14.2	13.6	13.0	12.3	11.5	10.7
-60°	16.1	15.7	15.4	14.9	14.4	13.8	13.2	12.6	11.8	11.1	10.3
-61.25°	15.8	15.4	15.0	14.5	13.9	13.4	12.8	12.1	11.4	10.6	9.9
-62.5°	15.4	15.0	14.5	14.0	13.5	13.0	12.3	11.6	10.9	10.2	9.5
-63.75°	15.0	14.5	14.0	13.5	13.1	12.5	11.8	11.1	10.5	9.8	9.1
-65°	14.5	14.0	13.5	13.1	12.5	11.9	11.3	10.6	10.0	9.3	8.7
-66.25°	13.9	13.5	13.1	12.5	11.9	11.3	10.7	10.1	9.5	8.9	8.3
-67.5°	13.4	13.0	12.5	11.9	11.3	10.8	10.2	9.6	9.0	8.5	7.9
-68.75°	12.8	12.3	11.8	11.3	10.7	10.2	9.7	9.1	8.6	8.0	7.5
-70°	12.1	11.6	11.1	10.6	10.1	9.6	9.1	8.6	8.1	7.6	7.0
-71.25°	11.4	10.9	10.5	10.0	9.5	9.0	8.6	8.1	7.6	7.1	6.6
-72.5°	10.6	10.2	9.8	9.3	8.9	8.5	8.0	7.6	7.1	6.6	6.1
-73.75°	9.9	9.5	9.1	8.7	8.3	7.9	7.5	7.0	6.6	6.1	5.6
-75°	9.2	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.0	5.5	5.0
-76.25°	8.4	8.1	7.7	7.4	7.0	6.7	6.3	5.9	5.4	5.0	4.5
-77.5°	7.6	7.3	7.0	6.7	6.4	6.0	5.6	5.2	4.8	4.4	4.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	6.9	6.6	6.3	6.0	5.6	5.3	4.9	4.5	4.2	3.8	3.4
-80°	6.1	5.8	5.4	5.1	4.8	4.5	4.2	3.8	3.5	3.2	2.9
-81.25°	5.1	4.8	4.6	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.3
-82.5°	4.2	3.9	3.7	3.5	3.2	3.0	2.7	2.5	2.3	2.2	2.0
-83.75°	3.2	3.0	2.8	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
-85°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-86.25°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
-87.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
-88.75°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
87.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
86.25°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
85°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
83.75°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
82.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
81.25°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
80°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
78.75°	3.0	2.7	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
77.5°	3.5	3.1	2.7	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
76.25°	4.0	3.6	3.1	2.7	2.3	2.0	1.7	1.4	1.1	0.9	0.6
75°	4.5	4.0	3.5	3.0	2.5	2.2	1.9	1.6	1.2	0.9	0.6
73.75°	5.0	4.5	4.0	3.4	2.9	2.3	2.0	1.7	1.3	1.0	0.7
72.5°	5.5	5.0	4.4	3.8	3.2	2.6	2.2	1.8	1.4	1.1	0.7
71.25°	6.0	5.4	4.8	4.2	3.5	2.9	2.3	1.9	1.5	1.2	0.8
70°	6.5	5.9	5.2	4.5	3.8	3.2	2.5	2.0	1.6	1.2	0.8
68.75°	6.9	6.3	5.6	4.9	4.2	3.5	2.7	2.2	1.7	1.3	0.9
67.5°	7.3	6.7	6.0	5.3	4.5	3.7	3.0	2.3	1.8	1.4	0.9
66.25°	7.7	7.0	6.4	5.6	4.8	4.0	3.2	2.4	1.9	1.4	1.0
65°	8.0	7.4	6.7	6.0	5.1	4.3	3.5	2.6	2.0	1.5	1.0
63.75°	8.4	7.7	7.0	6.3	5.4	4.6	3.7	2.8	2.1	1.6	1.1
62.5°	8.8	8.1	7.3	6.6	5.8	4.8	3.9	3.0	2.2	1.7	1.1
61.25°	9.2	8.4	7.6	6.9	6.1	5.1	4.2	3.2	2.3	1.7	1.2
60°	9.5	8.7	8.0	7.2	6.4	5.4	4.4	3.4	2.4	1.8	1.2
58.75°	9.9	9.1	8.3	7.4	6.6	5.6	4.6	3.6	2.5	1.9	1.2
57.5°	10.2	9.4	8.5	7.7	6.9	5.9	4.8	3.8	2.7	1.9	1.3
56.25°	10.6	9.7	8.8	8.0	7.1	6.2	5.1	3.9	2.8	2.0	1.3
55°	10.9	10.0	9.1	8.2	7.3	6.4	5.3	4.1	3.0	2.1	1.4
53.75°	11.3	10.3	9.4	8.5	7.5	6.6	5.5	4.3	3.1	2.1	1.4
52.5°	11.6	10.6	9.7	8.7	7.8	6.8	5.7	4.5	3.3	2.2	1.5
51.25°	11.9	11.0	10.0	9.0	8.0	7.0	5.9	4.7	3.4	2.3	1.5
50°	12.3	11.2	10.2	9.2	8.2	7.2	6.1	4.8	3.5	2.3	1.5
48.75°	12.6	11.5	10.5	9.5	8.4	7.4	6.3	5.0	3.7	2.4	1.6
47.5°	12.9	11.8	10.8	9.7	8.6	7.6	6.5	5.1	3.8	2.5	1.6
46.25°	13.1	12.1	11.0	9.9	8.8	7.7	6.6	5.3	3.9	2.5	1.7
45°	13.3	12.4	11.3	10.1	9.0	7.9	6.8	5.5	4.1	2.6	1.7
43.75°	13.5	12.7	11.5	10.4	9.2	8.1	6.9	5.6	4.2	2.7	1.7
42.5°	13.8	12.9	11.8	10.6	9.4	8.2	7.1	5.8	4.3	2.8	1.8
41.25°	14.0	13.1	12.0	10.8	9.6	8.4	7.2	5.9	4.4	2.9	1.8
40°	14.2	13.3	12.2	11.0	9.8	8.6	7.3	6.1	4.5	3.0	1.8
38.75°	14.4	13.5	12.4	11.2	10.0	8.7	7.5	6.2	4.6	3.1	1.9
37.5°	14.6	13.6	12.7	11.4	10.1	8.9	7.6	6.3	4.7	3.2	1.9
36.25°	14.8	13.8	12.9	11.6	10.3	9.0	7.7	6.4	4.8	3.2	1.9
35°	15.0	14.0	13.0	11.8	10.5	9.2	7.9	6.5	5.0	3.3	2.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	15.1	14.1	13.2	11.9	10.6	9.3	8.0	6.6	5.0	3.4	2.0
32.5°	15.3	14.3	13.3	12.1	10.8	9.4	8.1	6.7	5.1	3.5	2.0
31.25°	15.4	14.5	13.4	12.3	10.9	9.6	8.2	6.8	5.2	3.5	2.1
30°	15.5	14.6	13.6	12.5	11.1	9.7	8.3	6.9	5.3	3.6	2.1
28.75°	15.6	14.7	13.7	12.6	11.2	9.8	8.4	7.0	5.4	3.7	2.1
27.5°	15.7	14.9	13.8	12.8	11.3	9.9	8.5	7.1	5.5	3.7	2.1
26.25°	15.8	15.0	13.9	12.9	11.5	10.0	8.6	7.2	5.6	3.8	2.2
25°	15.9	15.1	14.1	13.0	11.6	10.1	8.7	7.2	5.6	3.8	2.2
23.75°	16.0	15.2	14.2	13.1	11.7	10.2	8.8	7.3	5.7	3.9	2.2
22.5°	16.1	15.3	14.3	13.2	11.8	10.3	8.9	7.4	5.8	3.9	2.2
21.25°	16.1	15.4	14.4	13.3	11.9	10.4	8.9	7.5	5.9	4.0	2.2
20°	16.2	15.5	14.5	13.3	12.0	10.5	9.0	7.5	5.9	4.0	2.3
18.75°	16.3	15.5	14.6	13.4	12.1	10.6	9.1	7.6	6.0	4.1	2.3
17.5°	16.3	15.6	14.6	13.5	12.2	10.7	9.2	7.6	6.0	4.1	2.3
16.25°	16.4	15.6	14.7	13.6	12.3	10.7	9.2	7.7	6.1	4.2	2.3
15°	16.5	15.7	14.8	13.6	12.4	10.8	9.3	7.7	6.1	4.2	2.3
13.75°	16.5	15.7	14.9	13.7	12.4	10.9	9.3	7.8	6.2	4.2	2.3
12.5°	16.6	15.8	14.9	13.7	12.5	10.9	9.4	7.8	6.2	4.3	2.3
11.25°	16.6	15.8	15.0	13.8	12.6	11.0	9.4	7.8	6.2	4.3	2.4
10°	16.7	15.9	15.0	13.8	12.6	11.0	9.5	7.9	6.3	4.3	2.4
8.75°	16.7	15.9	15.1	13.9	12.6	11.1	9.5	7.9	6.3	4.3	2.4
7.5°	16.7	15.9	15.1	13.9	12.7	11.1	9.5	7.9	6.3	4.3	2.4
6.25°	16.7	15.9	15.1	13.9	12.7	11.1	9.5	8.0	6.4	4.4	2.4
5°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
3.75°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
2.5°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
1.25°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
0°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
-1.25°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
-2.5°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
-3.75°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
-5°	16.8	16.0	15.2	14.0	12.8	11.2	9.6	8.0	6.4	4.4	2.4
-6.25°	16.7	15.9	15.1	13.9	12.7	11.1	9.5	8.0	6.4	4.4	2.4
-7.5°	16.7	15.9	15.1	13.9	12.7	11.1	9.5	7.9	6.3	4.3	2.4
-8.75°	16.7	15.9	15.1	13.9	12.6	11.1	9.5	7.9	6.3	4.3	2.4
-10°	16.7	15.9	15.0	13.8	12.6	11.0	9.5	7.9	6.3	4.3	2.4
-11.25°	16.6	15.8	15.0	13.8	12.6	11.0	9.4	7.8	6.2	4.3	2.4
-12.5°	16.6	15.8	14.9	13.7	12.5	10.9	9.4	7.8	6.2	4.3	2.3
-13.75°	16.5	15.7	14.9	13.7	12.4	10.9	9.3	7.8	6.2	4.2	2.3
-15°	16.5	15.7	14.8	13.6	12.4	10.8	9.3	7.7	6.1	4.2	2.3
-16.25°	16.4	15.6	14.7	13.6	12.3	10.7	9.2	7.7	6.1	4.2	2.3
-17.5°	16.3	15.6	14.6	13.5	12.2	10.7	9.2	7.6	6.0	4.1	2.3
-18.75°	16.3	15.5	14.6	13.4	12.1	10.6	9.1	7.6	6.0	4.1	2.3
-20°	16.2	15.5	14.5	13.3	12.0	10.5	9.0	7.5	5.9	4.0	2.3
-21.25°	16.1	15.4	14.4	13.3	11.9	10.4	8.9	7.5	5.9	4.0	2.2





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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°	16.1	15.3	14.3	13.2	11.8	10.3	8.9	7.4	5.8	3.9	2.2
-23.75°	16.0	15.2	14.2	13.1	11.7	10.2	8.8	7.3	5.7	3.9	2.2
-25°	15.9	15.1	14.1	13.0	11.6	10.1	8.7	7.2	5.6	3.8	2.2
-26.25°	15.8	15.0	13.9	12.9	11.5	10.0	8.6	7.2	5.6	3.8	2.2
-27.5°	15.7	14.9	13.8	12.8	11.3	9.9	8.5	7.1	5.5	3.7	2.1
-28.75°	15.6	14.7	13.7	12.6	11.2	9.8	8.4	7.0	5.4	3.7	2.1
-30°	15.5	14.6	13.6	12.5	11.1	9.7	8.3	6.9	5.3	3.6	2.1
-31.25°	15.4	14.5	13.4	12.3	10.9	9.6	8.2	6.8	5.2	3.5	2.1
-32.5°	15.3	14.3	13.3	12.1	10.8	9.4	8.1	6.7	5.1	3.5	2.0
-33.75°	15.1	14.1	13.2	11.9	10.6	9.3	8.0	6.6	5.0	3.4	2.0
-35°	15.0	14.0	13.0	11.8	10.5	9.2	7.9	6.5	5.0	3.3	2.0
-36.25°	14.8	13.8	12.9	11.6	10.3	9.0	7.7	6.4	4.8	3.2	1.9
-37.5°	14.6	13.6	12.7	11.4	10.1	8.9	7.6	6.3	4.7	3.2	1.9
-38.75°	14.4	13.5	12.4	11.2	10.0	8.7	7.5	6.2	4.6	3.1	1.9
-40°	14.2	13.3	12.2	11.0	9.8	8.6	7.3	6.1	4.5	3.0	1.8
-41.25°	14.0	13.1	12.0	10.8	9.6	8.4	7.2	5.9	4.4	2.9	1.8
-42.5°	13.8	12.9	11.8	10.6	9.4	8.2	7.1	5.8	4.3	2.8	1.8
-43.75°	13.5	12.7	11.5	10.4	9.2	8.1	6.9	5.6	4.2	2.7	1.7
-45°	13.3	12.4	11.3	10.1	9.0	7.9	6.8	5.5	4.1	2.6	1.7
-46.25°	13.1	12.1	11.0	9.9	8.8	7.7	6.6	5.3	3.9	2.5	1.7
-47.5°	12.9	11.8	10.8	9.7	8.6	7.6	6.5	5.1	3.8	2.5	1.6
-48.75°	12.6	11.5	10.5	9.5	8.4	7.4	6.3	5.0	3.7	2.4	1.6
-50°	12.3	11.2	10.2	9.2	8.2	7.2	6.1	4.8	3.5	2.3	1.5
-51.25°	11.9	11.0	10.0	9.0	8.0	7.0	5.9	4.7	3.4	2.3	1.5
-52.5°	11.6	10.6	9.7	8.7	7.8	6.8	5.7	4.5	3.3	2.2	1.5
-53.75°	11.3	10.3	9.4	8.5	7.5	6.6	5.5	4.3	3.1	2.1	1.4
-55°	10.9	10.0	9.1	8.2	7.3	6.4	5.3	4.1	3.0	2.1	1.4
-56.25°	10.6	9.7	8.8	8.0	7.1	6.2	5.1	3.9	2.8	2.0	1.3
-57.5°	10.2	9.4	8.5	7.7	6.9	5.9	4.8	3.8	2.7	1.9	1.3
-58.75°	9.9	9.1	8.3	7.4	6.6	5.6	4.6	3.6	2.5	1.9	1.2
-60°	9.5	8.7	8.0	7.2	6.4	5.4	4.4	3.4	2.4	1.8	1.2
-61.25°	9.2	8.4	7.6	6.9	6.1	5.1	4.2	3.2	2.3	1.7	1.2
-62.5°	8.8	8.1	7.3	6.6	5.8	4.8	3.9	3.0	2.2	1.7	1.1
-63.75°	8.4	7.7	7.0	6.3	5.4	4.6	3.7	2.8	2.1	1.6	1.1
-65°	8.0	7.4	6.7	6.0	5.1	4.3	3.5	2.6	2.0	1.5	1.0
-66.25°	7.7	7.0	6.4	5.6	4.8	4.0	3.2	2.4	1.9	1.4	1.0
-67.5°	7.3	6.7	6.0	5.3	4.5	3.7	3.0	2.3	1.8	1.4	0.9
-68.75°	6.9	6.3	5.6	4.9	4.2	3.5	2.7	2.2	1.7	1.3	0.9
-70°	6.5	5.9	5.2	4.5	3.8	3.2	2.5	2.0	1.6	1.2	0.8
-71.25°	6.0	5.4	4.8	4.2	3.5	2.9	2.3	1.9	1.5	1.2	0.8
-72.5°	5.5	5.0	4.4	3.8	3.2	2.6	2.2	1.8	1.4	1.1	0.7
-73.75°	5.0	4.5	4.0	3.4	2.9	2.3	2.0	1.7	1.3	1.0	0.7
-75°	4.5	4.0	3.5	3.0	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-76.25°	4.0	3.6	3.1	2.7	2.3	2.0	1.7	1.4	1.1	0.9	0.6
-77.5°	3.5	3.1	2.7	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5



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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°	3.0	2.7	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
-80°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
-81.25°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-82.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-83.75°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-85°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-86.25°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-87.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-88.75°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	1.0	0.0
32.5°	1.0	0.0
31.25°	1.0	0.0
30°	1.0	0.0
28.75°	1.1	0.0
27.5°	1.1	0.0
26.25°	1.1	0.0
25°	1.1	0.0
23.75°	1.1	0.0
22.5°	1.1	0.0
21.25°	1.1	0.0
20°	1.1	0.0
18.75°	1.1	0.0
17.5°	1.1	0.0
16.25°	1.2	0.0
15°	1.2	0.0
13.75°	1.2	0.0
12.5°	1.2	0.0
11.25°	1.2	0.0
10°	1.2	0.0
8.75°	1.2	0.0
7.5°	1.2	0.0
6.25°	1.2	0.0
5°	1.2	0.0
3.75°	1.2	0.0
2.5°	1.2	0.0
1.25°	1.2	0.0
0°	1.2	0.0
-1.25°	1.2	0.0
-2.5°	1.2	0.0
-3.75°	1.2	0.0
-5°	1.2	0.0
-6.25°	1.2	0.0
-7.5°	1.2	0.0
-8.75°	1.2	0.0
-10°	1.2	0.0
-11.25°	1.2	0.0
-12.5°	1.2	0.0
-13.75°	1.2	0.0
-15°	1.2	0.0
-16.25°	1.2	0.0
-17.5°	1.1	0.0
-18.75°	1.1	0.0
-20°	1.1	0.0
-21.25°	1.1	0.0



REPORT NUMBER: P220443 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	1.1	0.0
-23.75°	1.1	0.0
-25°	1.1	0.0
-26.25°	1.1	0.0
-27.5°	1.1	0.0
-28.75°	1.1	0.0
-30°	1.0	0.0
-31.25°	1.0	0.0
-32.5°	1.0	0.0
-33.75°	1.0	0.0
-35°	1.0	0.0
-36.25°	1.0	0.0
-37.5°	1.0	0.0
-38.75°	0.9	0.0
-40°	0.9	0.0
-41.25°	0.9	0.0
-42.5°	0.9	0.0
-43.75°	0.9	0.0
-45°	0.8	0.0
-46.25°	0.8	0.0
-47.5°	0.8	0.0
-48.75°	0.8	0.0
-50°	0.8	0.0
-51.25°	0.8	0.0
-52.5°	0.7	0.0
-53.75°	0.7	0.0
-55°	0.7	0.0
-56.25°	0.7	0.0
-57.5°	0.6	0.0
-58.75°	0.6	0.0
-60°	0.6	0.0
-61.25°	0.6	0.0
-62.5°	0.6	0.0
-63.75°	0.5	0.0
-65°	0.5	0.0
-66.25°	0.5	0.0
-67.5°	0.5	0.0
-68.75°	0.4	0.0
-70°	0.4	0.0
-71.25°	0.4	0.0
-72.5°	0.4	0.0
-73.75°	0.3	0.0
-75°	0.3	0.0
-76.25°	0.3	0.0
-77.5°	0.3	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)