

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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

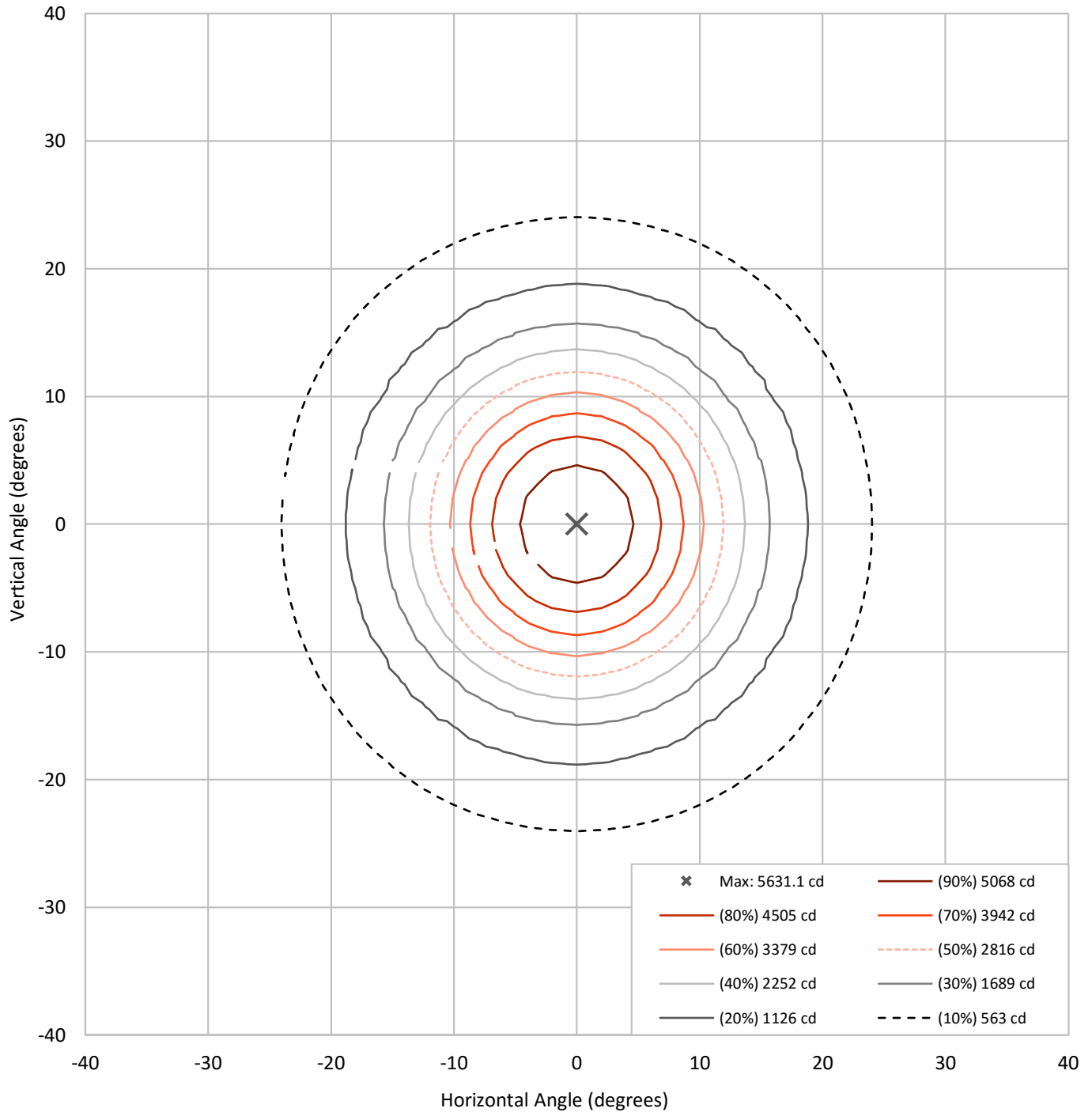
Test Method: LM-79-08  
Report Number: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1379.1 lumens	Max Intensity:	5631.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	68.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.9°H x 23.9°V	Field Angle (10%):	48.1°H x 48.1°V
Beam Lumens:	550.1 lumens	Field Lumens:	1081.8 lumens
Beam Efficiency:	39.9%	Field Efficiency:	78.4%
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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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L2-UNV

### Iso-Candela Plot





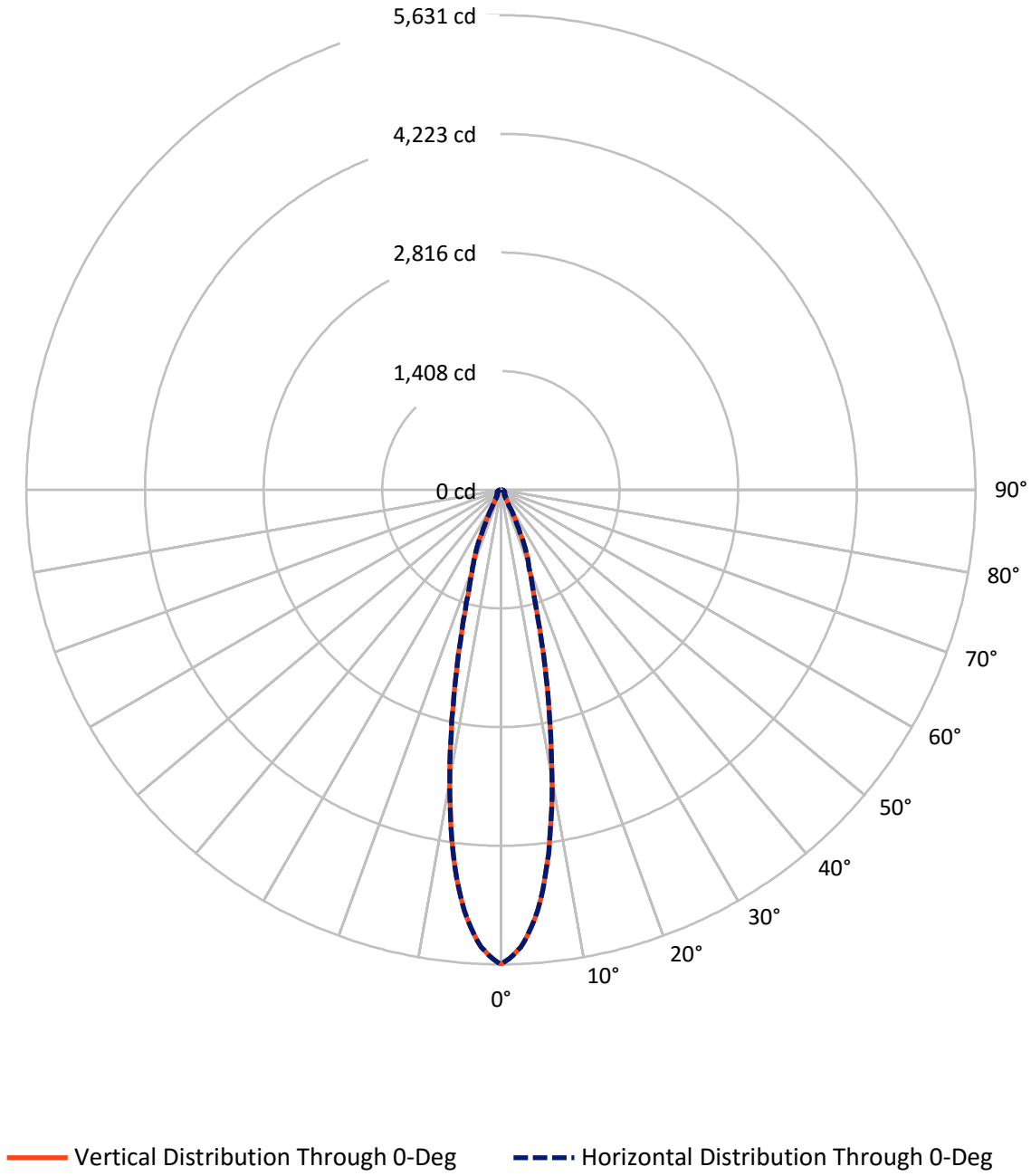
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### Lumen Table

90	0.1	0.4		0.9		1.3		1.5		1.3		0.9		0.4		0.1
80	0.1	0.4		0.9		1.3		1.5		1.3		0.9		0.4		0.1
70	0.2	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.2	0.2
60		0.2	0.4	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.4	0.2	
50	0.3	0.3	0.6	1.0	1.4	1.7	1.8	1.9	1.9	1.8	1.7	1.4	1.0	0.6	0.3	0.3
40		0.4	0.8	1.2	1.5	1.8	2.1	2.5	2.5	2.1	1.8	1.5	1.2	0.8	0.4	
30	0.3	0.4	0.9	1.3	1.6	2.4	6.0	13.1	13.1	6.0	2.4	1.6	1.3	0.9	0.4	0.3
20		0.5	0.9	1.3	1.8	5.7	25.8	52.7	52.7	25.8	5.7	1.8	1.3	0.9	0.5	
10	0.3	0.5	1.0	1.3	2.1	12.1	51.3	126.7	126.7	51.3	12.1	2.1	1.3	1.0	0.5	0.3
0		0.5	1.0	1.3	2.1	12.1	51.3	126.7	126.7	51.3	12.1	2.1	1.3	1.0	0.5	
-10	0.3	0.5	0.9	1.3	1.8	5.7	25.8	52.7	52.7	25.8	5.7	1.8	1.3	0.9	0.5	0.3
-20		0.4	0.9	1.3	1.6	2.4	6.0	13.1	13.1	6.0	2.4	1.6	1.3	0.9	0.4	
-30	0.3	0.4	0.8	1.2	1.5	1.8	2.1	2.5	2.5	2.1	1.8	1.5	1.2	0.8	0.4	0.3
-40		0.3	0.6	1.0	1.4	1.7	1.8	1.9	1.9	1.8	1.7	1.4	1.0	0.6	0.3	
-50	0.2	0.2	0.4	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.4	0.2	0.2
-60		0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.2	
-70	0.1	0.4		0.9		1.3		1.5		1.3		0.9		0.4		0.1
-80		0.4		0.9		1.3		1.5		1.3		0.9		0.4		
-90	0.1	0.4		0.9		1.3		1.5		1.3		0.9		0.4		0.1

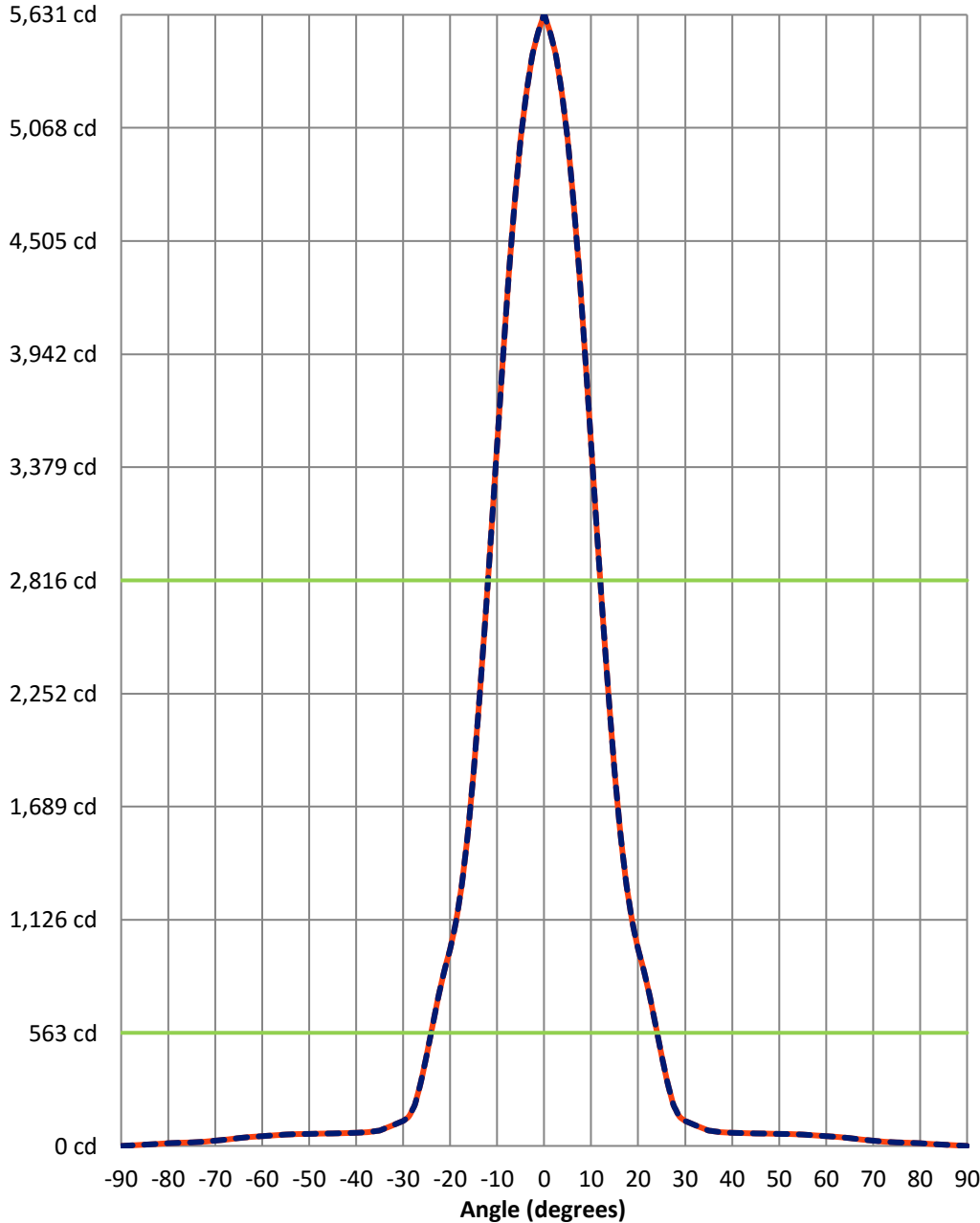
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.9°  
 V Angle: 23.9°  
 Lumens: 550.1  
 Efficiency: 39.9%

**Field:**  
 H Angle: 48.1°  
 V Angle: 48.1°  
 Lumens: 1081.8  
 Efficiency: 78.4%

**Spill:**  
 Lumens: 297.4  
 Efficiency: 21.6%

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

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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
86.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
85°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4
83.75°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
82.5°	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	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
80°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
78.75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.1
77.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
76.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
73.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.4
72.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.8
71.25°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.1
70°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	4.9	5.4
68.75°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.2	5.8
67.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.9	5.5	6.1
66.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.1	5.8	6.4
65°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.4	6.1	6.7
63.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0
62.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.2	5.9	6.6	7.3
61.25°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.4	6.1	6.9	7.6
60°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2	8.0
58.75°	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.6	7.4	8.3
57.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.0	6.9	7.7	8.5
56.25°	0.0	0.9	1.8	2.7	3.6	4.4	5.3	6.2	7.1	8.0	8.8
55°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.4	7.3	8.2	9.1
53.75°	0.0	0.9	1.9	2.8	3.8	4.7	5.7	6.6	7.5	8.5	9.4
52.5°	0.0	1.0	1.9	2.9	3.9	4.9	5.8	6.8	7.8	8.7	9.7
51.25°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.1
50°	0.0	1.0	2.1	3.1	4.1	5.1	6.2	7.2	8.2	9.2	10.4
48.75°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.4	9.5	10.7
47.5°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.6	8.6	9.7	11.1
46.25°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	10.0	11.4
45°	0.0	1.1	2.3	3.4	4.5	5.7	6.8	7.9	9.0	10.3	11.7
43.75°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.1	9.2	10.6	12.0
42.5°	0.0	1.2	2.4	3.5	4.7	5.9	7.1	8.2	9.4	10.8	12.3
41.25°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	11.1	12.6
40°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.6	9.8	11.4	12.9
38.75°	0.0	1.2	2.5	3.7	5.0	6.2	7.5	8.7	10.1	11.6	13.1
37.5°	0.0	1.3	2.5	3.8	5.1	6.3	7.6	8.9	10.3	11.8	13.4
36.25°	0.0	1.3	2.6	3.9	5.2	6.4	7.7	9.0	10.5	12.1	13.7
35°	0.0	1.3	2.6	3.9	5.2	6.5	7.9	9.2	10.7	12.3	13.8



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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	1.3	2.7	4.0	5.3	6.6	8.0	9.3	10.9	12.5	14.0
32.5°	0.0	1.3	2.7	4.0	5.4	6.7	8.1	9.4	11.1	12.8	14.1
31.25°	0.0	1.4	2.7	4.1	5.5	6.8	8.2	9.6	11.3	13.0	14.2
30°	0.0	1.4	2.8	4.2	5.5	6.9	8.3	9.7	11.4	13.2	14.4
28.75°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	9.9	11.6	13.4	14.5
27.5°	0.0	1.4	2.8	4.3	5.7	7.1	8.5	10.0	11.8	13.5	14.6
26.25°	0.0	1.4	2.9	4.3	5.7	7.2	8.6	10.1	11.9	13.7	14.7
25°	0.0	1.5	2.9	4.3	5.8	7.2	8.7	10.3	12.1	13.8	14.9
23.75°	0.0	1.5	2.9	4.4	5.9	7.3	8.8	10.4	12.2	13.9	15.0
22.5°	0.0	1.5	3.0	4.4	5.9	7.4	8.9	10.5	12.4	14.0	15.1
21.25°	0.0	1.5	3.0	4.5	6.0	7.5	8.9	10.6	12.5	14.1	15.2
20°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.7	12.6	14.1	15.3
18.75°	0.0	1.5	3.0	4.5	6.1	7.6	9.1	10.9	12.7	14.2	15.4
17.5°	0.0	1.5	3.1	4.6	6.1	7.6	9.2	10.9	12.9	14.3	15.4
16.25°	0.0	1.5	3.1	4.6	6.1	7.7	9.2	11.0	13.0	14.4	15.5
15°	0.0	1.5	3.1	4.6	6.2	7.7	9.3	11.1	13.0	14.4	15.6
13.75°	0.0	1.6	3.1	4.7	6.2	7.8	9.3	11.2	13.1	14.5	15.7
12.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.4	11.3	13.2	14.5	15.7
11.25°	0.0	1.6	3.1	4.7	6.3	7.8	9.4	11.3	13.3	14.6	15.8
10°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.4	13.4	14.6	15.8
8.75°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.4	13.4	14.7	15.9
7.5°	0.0	1.6	3.2	4.8	6.3	7.9	9.5	11.5	13.5	14.7	15.9
6.25°	0.0	1.6	3.2	4.8	6.4	8.0	9.5	11.5	13.5	14.7	15.9
5°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.5	13.5	14.8	16.0
3.75°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.8	16.0
2.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.8	16.0
1.25°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.8	16.0
0°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.8	16.0
-1.25°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.8	16.0
-2.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.8	16.0
-3.75°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.8	16.0
-5°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.5	13.5	14.8	16.0
-6.25°	0.0	1.6	3.2	4.8	6.4	8.0	9.5	11.5	13.5	14.7	15.9
-7.5°	0.0	1.6	3.2	4.8	6.3	7.9	9.5	11.5	13.5	14.7	15.9
-8.75°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.4	13.4	14.7	15.9
-10°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.4	13.4	14.6	15.8
-11.25°	0.0	1.6	3.1	4.7	6.3	7.8	9.4	11.3	13.3	14.6	15.8
-12.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.4	11.3	13.2	14.5	15.7
-13.75°	0.0	1.6	3.1	4.7	6.2	7.8	9.3	11.2	13.1	14.5	15.7
-15°	0.0	1.5	3.1	4.6	6.2	7.7	9.3	11.1	13.0	14.4	15.6
-16.25°	0.0	1.5	3.1	4.6	6.1	7.7	9.2	11.0	13.0	14.4	15.5
-17.5°	0.0	1.5	3.1	4.6	6.1	7.6	9.2	10.9	12.9	14.3	15.4
-18.75°	0.0	1.5	3.0	4.5	6.1	7.6	9.1	10.9	12.7	14.2	15.4
-20°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.7	12.6	14.1	15.3
-21.25°	0.0	1.5	3.0	4.5	6.0	7.5	8.9	10.6	12.5	14.1	15.2





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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	1.5	3.0	4.4	5.9	7.4	8.9	10.5	12.4	14.0	15.1
-23.75°	0.0	1.5	2.9	4.4	5.9	7.3	8.8	10.4	12.2	13.9	15.0
-25°	0.0	1.5	2.9	4.3	5.8	7.2	8.7	10.3	12.1	13.8	14.9
-26.25°	0.0	1.4	2.9	4.3	5.7	7.2	8.6	10.1	11.9	13.7	14.7
-27.5°	0.0	1.4	2.8	4.3	5.7	7.1	8.5	10.0	11.8	13.5	14.6
-28.75°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	9.9	11.6	13.4	14.5
-30°	0.0	1.4	2.8	4.2	5.5	6.9	8.3	9.7	11.4	13.2	14.4
-31.25°	0.0	1.4	2.7	4.1	5.5	6.8	8.2	9.6	11.3	13.0	14.2
-32.5°	0.0	1.3	2.7	4.0	5.4	6.7	8.1	9.4	11.1	12.8	14.1
-33.75°	0.0	1.3	2.7	4.0	5.3	6.6	8.0	9.3	10.9	12.5	14.0
-35°	0.0	1.3	2.6	3.9	5.2	6.5	7.9	9.2	10.7	12.3	13.8
-36.25°	0.0	1.3	2.6	3.9	5.2	6.4	7.7	9.0	10.5	12.1	13.7
-37.5°	0.0	1.3	2.5	3.8	5.1	6.3	7.6	8.9	10.3	11.8	13.4
-38.75°	0.0	1.2	2.5	3.7	5.0	6.2	7.5	8.7	10.1	11.6	13.1
-40°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.6	9.8	11.4	12.9
-41.25°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	11.1	12.6
-42.5°	0.0	1.2	2.4	3.5	4.7	5.9	7.1	8.2	9.4	10.8	12.3
-43.75°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.1	9.2	10.6	12.0
-45°	0.0	1.1	2.3	3.4	4.5	5.7	6.8	7.9	9.0	10.3	11.7
-46.25°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	10.0	11.4
-47.5°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.6	8.6	9.7	11.1
-48.75°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.4	9.5	10.7
-50°	0.0	1.0	2.1	3.1	4.1	5.1	6.2	7.2	8.2	9.2	10.4
-51.25°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.1
-52.5°	0.0	1.0	1.9	2.9	3.9	4.9	5.8	6.8	7.8	8.7	9.7
-53.75°	0.0	0.9	1.9	2.8	3.8	4.7	5.7	6.6	7.5	8.5	9.4
-55°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.4	7.3	8.2	9.1
-56.25°	0.0	0.9	1.8	2.7	3.6	4.4	5.3	6.2	7.1	8.0	8.8
-57.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.0	6.9	7.7	8.5
-58.75°	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.6	7.4	8.3
-60°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2	8.0
-61.25°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.4	6.1	6.9	7.6
-62.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.2	5.9	6.6	7.3
-63.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0
-65°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.4	6.1	6.7
-66.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.1	5.8	6.4
-67.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.9	5.5	6.1
-68.75°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.2	5.8
-70°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	4.9	5.4
-71.25°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-72.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.8
-73.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.4
-75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-76.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-77.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.1
-80°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
-81.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-82.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-83.75°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
-85°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4
-86.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-87.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-88.75°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220460 (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°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
87.5°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4
86.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
85°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.6	2.7	2.8
83.75°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
82.5°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.0	4.2
81.25°	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.3	4.5	4.7	4.9
80°	3.0	3.3	3.6	3.8	4.1	4.4	4.6	4.9	5.1	5.4	5.6
78.75°	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.3
77.5°	3.8	4.1	4.4	4.8	5.1	5.4	5.8	6.1	6.4	6.7	7.0
76.25°	4.1	4.5	4.9	5.2	5.6	6.0	6.3	6.7	7.0	7.4	7.7
75°	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.0	8.4
73.75°	4.9	5.3	5.7	6.2	6.6	7.0	7.5	7.9	8.3	8.7	9.1
72.5°	5.2	5.7	6.2	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.8
71.25°	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.0	9.5	10.1	10.7
70°	6.0	6.5	7.0	7.6	8.1	8.6	9.1	9.6	10.3	10.9	11.5
68.75°	6.3	6.9	7.5	8.0	8.6	9.1	9.7	10.4	11.0	11.7	12.4
67.5°	6.7	7.3	7.9	8.5	9.0	9.6	10.4	11.1	11.8	12.5	13.2
66.25°	7.0	7.7	8.3	8.9	9.5	10.3	11.0	11.8	12.5	13.3	13.9
65°	7.4	8.0	8.7	9.3	10.1	10.9	11.7	12.5	13.3	13.9	14.3
63.75°	7.7	8.4	9.1	9.8	10.7	11.5	12.4	13.2	13.9	14.3	14.8
62.5°	8.1	8.8	9.5	10.4	11.3	12.1	13.0	13.8	14.3	14.8	15.3
61.25°	8.4	9.2	10.0	10.9	11.8	12.7	13.6	14.2	14.7	15.3	15.8
60°	8.7	9.5	10.5	11.4	12.4	13.4	14.0	14.6	15.2	15.7	16.2
58.75°	9.1	9.9	11.0	12.0	13.0	13.8	14.4	15.0	15.6	16.1	16.5
57.5°	9.4	10.4	11.4	12.5	13.5	14.2	14.8	15.4	16.0	16.4	16.8
56.25°	9.7	10.8	11.9	13.0	13.9	14.5	15.2	15.8	16.3	16.7	17.1
55°	10.1	11.3	12.4	13.5	14.2	14.9	15.5	16.1	16.5	17.0	17.4
53.75°	10.5	11.7	12.8	13.8	14.5	15.2	15.9	16.4	16.8	17.3	17.8
52.5°	10.9	12.1	13.3	14.1	14.8	15.5	16.2	16.6	17.1	17.5	18.4
51.25°	11.3	12.5	13.7	14.4	15.1	15.9	16.4	16.9	17.3	18.0	18.9
50°	11.7	12.9	13.9	14.7	15.4	16.1	16.6	17.1	17.6	18.5	19.5
48.75°	12.0	13.3	14.2	15.0	15.7	16.3	16.8	17.4	18.1	19.1	20.0
47.5°	12.4	13.7	14.5	15.3	16.0	16.6	17.1	17.6	18.6	19.6	20.6
46.25°	12.7	13.9	14.7	15.5	16.2	16.8	17.3	18.0	19.1	20.1	21.4
45°	13.1	14.1	15.0	15.8	16.4	17.0	17.5	18.5	19.5	20.6	22.3
43.75°	13.4	14.3	15.2	16.0	16.6	17.2	17.8	18.9	20.0	21.3	23.2
42.5°	13.7	14.6	15.4	16.2	16.8	17.3	18.2	19.3	20.4	22.2	24.1
41.25°	13.9	14.8	15.7	16.4	17.0	17.5	18.6	19.7	21.0	23.0	25.0
40°	14.1	15.0	15.9	16.5	17.1	17.8	19.0	20.1	21.8	23.8	25.9
38.75°	14.3	15.2	16.1	16.7	17.3	18.2	19.4	20.5	22.5	24.6	26.7
37.5°	14.4	15.4	16.2	16.8	17.5	18.5	19.7	21.1	23.2	25.4	27.5
36.25°	14.6	15.6	16.3	17.0	17.6	18.9	20.1	21.8	24.0	26.1	28.3
35°	14.8	15.8	16.5	17.1	17.9	19.2	20.4	22.4	24.6	26.9	29.1



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°
33.75°	14.9	15.9	16.6	17.3	18.2	19.5	20.8	23.1	25.3	27.6	29.8
32.5°	15.1	16.1	16.7	17.4	18.5	19.8	21.4	23.7	26.0	28.3	30.6
31.25°	15.3	16.2	16.9	17.5	18.8	20.1	21.9	24.3	26.6	28.9	31.3
30°	15.4	16.3	17.0	17.7	19.0	20.4	22.5	24.9	27.2	29.6	32.0
28.75°	15.5	16.4	17.1	18.0	19.3	20.6	23.0	25.4	27.8	30.2	32.8
27.5°	15.7	16.5	17.2	18.2	19.5	21.1	23.5	25.9	28.4	30.8	33.6
26.25°	15.8	16.6	17.3	18.4	19.8	21.5	24.0	26.5	28.9	31.4	34.4
25°	15.9	16.7	17.4	18.6	20.0	21.9	24.5	27.0	29.5	32.0	35.2
23.75°	16.0	16.8	17.5	18.8	20.2	22.4	24.9	27.4	30.0	32.6	35.9
22.5°	16.1	16.9	17.6	19.0	20.4	22.8	25.3	27.9	30.4	33.3	36.6
21.25°	16.2	16.9	17.7	19.2	20.6	23.1	25.7	28.3	30.9	33.9	37.2
20°	16.3	17.0	17.9	19.4	20.9	23.5	26.1	28.7	31.3	34.5	37.8
18.75°	16.3	17.1	18.1	19.5	21.2	23.8	26.5	29.1	31.7	35.0	38.4
17.5°	16.4	17.1	18.2	19.7	21.5	24.1	26.8	29.4	32.2	35.6	39.0
16.25°	16.4	17.2	18.3	19.8	21.8	24.4	27.1	29.8	32.6	36.0	39.4
15°	16.5	17.3	18.4	19.9	22.0	24.7	27.4	30.1	33.0	36.5	39.8
13.75°	16.5	17.3	18.6	20.1	22.3	25.0	27.7	30.4	33.4	36.9	40.1
12.5°	16.6	17.4	18.7	20.2	22.5	25.2	27.9	30.6	33.8	37.3	40.4
11.25°	16.6	17.4	18.8	20.3	22.7	25.4	28.1	30.9	34.1	37.6	40.7
10°	16.7	17.5	18.8	20.4	22.8	25.6	28.3	31.1	34.4	37.9	40.9
8.75°	16.7	17.5	18.9	20.4	23.0	25.8	28.5	31.3	34.7	38.2	41.2
7.5°	16.7	17.5	19.0	20.5	23.1	25.9	28.7	31.4	34.9	38.4	41.4
6.25°	16.7	17.5	19.0	20.6	23.2	26.0	28.8	31.6	35.1	38.6	41.5
5°	16.8	17.6	19.1	20.6	23.3	26.1	28.9	31.7	35.2	38.8	41.7
3.75°	16.8	17.6	19.1	20.7	23.4	26.2	29.0	31.8	35.3	38.9	41.8
2.5°	16.8	17.6	19.1	20.7	23.5	26.3	29.1	31.8	35.4	39.0	41.8
1.25°	16.8	17.6	19.1	20.7	23.5	26.3	29.1	31.9	35.5	39.1	41.9
0°	16.8	17.6	19.2	20.7	23.5	26.3	29.1	31.9	35.5	39.1	41.9
-1.25°	16.8	17.6	19.1	20.7	23.5	26.3	29.1	31.9	35.5	39.1	41.9
-2.5°	16.8	17.6	19.1	20.7	23.5	26.3	29.1	31.8	35.4	39.0	41.8
-3.75°	16.8	17.6	19.1	20.7	23.4	26.2	29.0	31.8	35.3	38.9	41.8
-5°	16.8	17.6	19.1	20.6	23.3	26.1	28.9	31.7	35.2	38.8	41.7
-6.25°	16.7	17.5	19.0	20.6	23.2	26.0	28.8	31.6	35.1	38.6	41.5
-7.5°	16.7	17.5	19.0	20.5	23.1	25.9	28.7	31.4	34.9	38.4	41.4
-8.75°	16.7	17.5	18.9	20.4	23.0	25.8	28.5	31.3	34.7	38.2	41.2
-10°	16.7	17.5	18.8	20.4	22.8	25.6	28.3	31.1	34.4	37.9	40.9
-11.25°	16.6	17.4	18.8	20.3	22.7	25.4	28.1	30.9	34.1	37.6	40.7
-12.5°	16.6	17.4	18.7	20.2	22.5	25.2	27.9	30.6	33.8	37.3	40.4
-13.75°	16.5	17.3	18.6	20.1	22.3	25.0	27.7	30.4	33.4	36.9	40.1
-15°	16.5	17.3	18.4	19.9	22.0	24.7	27.4	30.1	33.0	36.5	39.8
-16.25°	16.4	17.2	18.3	19.8	21.8	24.4	27.1	29.8	32.6	36.0	39.4
-17.5°	16.4	17.1	18.2	19.7	21.5	24.1	26.8	29.4	32.2	35.6	39.0
-18.75°	16.3	17.1	18.1	19.5	21.2	23.8	26.5	29.1	31.7	35.0	38.4
-20°	16.3	17.0	17.9	19.4	20.9	23.5	26.1	28.7	31.3	34.5	37.8
-21.25°	16.2	16.9	17.7	19.2	20.6	23.1	25.7	28.3	30.9	33.9	37.2



REPORT NUMBER: P220460 (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°
-22.5°	16.1	16.9	17.6	19.0	20.4	22.8	25.3	27.9	30.4	33.3	36.6
-23.75°	16.0	16.8	17.5	18.8	20.2	22.4	24.9	27.4	30.0	32.6	35.9
-25°	15.9	16.7	17.4	18.6	20.0	21.9	24.5	27.0	29.5	32.0	35.2
-26.25°	15.8	16.6	17.3	18.4	19.8	21.5	24.0	26.5	28.9	31.4	34.4
-27.5°	15.7	16.5	17.2	18.2	19.5	21.1	23.5	25.9	28.4	30.8	33.6
-28.75°	15.5	16.4	17.1	18.0	19.3	20.6	23.0	25.4	27.8	30.2	32.8
-30°	15.4	16.3	17.0	17.7	19.0	20.4	22.5	24.9	27.2	29.6	32.0
-31.25°	15.3	16.2	16.9	17.5	18.8	20.1	21.9	24.3	26.6	28.9	31.3
-32.5°	15.1	16.1	16.7	17.4	18.5	19.8	21.4	23.7	26.0	28.3	30.6
-33.75°	14.9	15.9	16.6	17.3	18.2	19.5	20.8	23.1	25.3	27.6	29.8
-35°	14.8	15.8	16.5	17.1	17.9	19.2	20.4	22.4	24.6	26.9	29.1
-36.25°	14.6	15.6	16.3	17.0	17.6	18.9	20.1	21.8	24.0	26.1	28.3
-37.5°	14.4	15.4	16.2	16.8	17.5	18.5	19.7	21.1	23.2	25.4	27.5
-38.75°	14.3	15.2	16.1	16.7	17.3	18.2	19.4	20.5	22.5	24.6	26.7
-40°	14.1	15.0	15.9	16.5	17.1	17.8	19.0	20.1	21.8	23.8	25.9
-41.25°	13.9	14.8	15.7	16.4	17.0	17.5	18.6	19.7	21.0	23.0	25.0
-42.5°	13.7	14.6	15.4	16.2	16.8	17.3	18.2	19.3	20.4	22.2	24.1
-43.75°	13.4	14.3	15.2	16.0	16.6	17.2	17.8	18.9	20.0	21.3	23.2
-45°	13.1	14.1	15.0	15.8	16.4	17.0	17.5	18.5	19.5	20.6	22.3
-46.25°	12.7	13.9	14.7	15.5	16.2	16.8	17.3	18.0	19.1	20.1	21.4
-47.5°	12.4	13.7	14.5	15.3	16.0	16.6	17.1	17.6	18.6	19.6	20.6
-48.75°	12.0	13.3	14.2	15.0	15.7	16.3	16.8	17.4	18.1	19.1	20.0
-50°	11.7	12.9	13.9	14.7	15.4	16.1	16.6	17.1	17.6	18.5	19.5
-51.25°	11.3	12.5	13.7	14.4	15.1	15.9	16.4	16.9	17.3	18.0	18.9
-52.5°	10.9	12.1	13.3	14.1	14.8	15.5	16.2	16.6	17.1	17.5	18.4
-53.75°	10.5	11.7	12.8	13.8	14.5	15.2	15.9	16.4	16.8	17.3	17.8
-55°	10.1	11.3	12.4	13.5	14.2	14.9	15.5	16.1	16.5	17.0	17.4
-56.25°	9.7	10.8	11.9	13.0	13.9	14.5	15.2	15.8	16.3	16.7	17.1
-57.5°	9.4	10.4	11.4	12.5	13.5	14.2	14.8	15.4	16.0	16.4	16.8
-58.75°	9.1	9.9	11.0	12.0	13.0	13.8	14.4	15.0	15.6	16.1	16.5
-60°	8.7	9.5	10.5	11.4	12.4	13.4	14.0	14.6	15.2	15.7	16.2
-61.25°	8.4	9.2	10.0	10.9	11.8	12.7	13.6	14.2	14.7	15.3	15.8
-62.5°	8.1	8.8	9.5	10.4	11.3	12.1	13.0	13.8	14.3	14.8	15.3
-63.75°	7.7	8.4	9.1	9.8	10.7	11.5	12.4	13.2	13.9	14.3	14.8
-65°	7.4	8.0	8.7	9.3	10.1	10.9	11.7	12.5	13.3	13.9	14.3
-66.25°	7.0	7.7	8.3	8.9	9.5	10.3	11.0	11.8	12.5	13.3	13.9
-67.5°	6.7	7.3	7.9	8.5	9.0	9.6	10.4	11.1	11.8	12.5	13.2
-68.75°	6.3	6.9	7.5	8.0	8.6	9.1	9.7	10.4	11.0	11.7	12.4
-70°	6.0	6.5	7.0	7.6	8.1	8.6	9.1	9.6	10.3	10.9	11.5
-71.25°	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.0	9.5	10.1	10.7
-72.5°	5.2	5.7	6.2	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.8
-73.75°	4.9	5.3	5.7	6.2	6.6	7.0	7.5	7.9	8.3	8.7	9.1
-75°	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.0	8.4
-76.25°	4.1	4.5	4.9	5.2	5.6	6.0	6.3	6.7	7.0	7.4	7.7
-77.5°	3.8	4.1	4.4	4.8	5.1	5.4	5.8	6.1	6.4	6.7	7.0



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.3
-80°	3.0	3.3	3.6	3.8	4.1	4.4	4.6	4.9	5.1	5.4	5.6
-81.25°	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.3	4.5	4.7	4.9
-82.5°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.0	4.2
-83.75°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
-85°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.6	2.7	2.8
-86.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-87.5°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4
-88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
87.5°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
86.25°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1
85°	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1
83.75°	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.1
82.5°	4.4	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.8	6.0	6.2
81.25°	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2
80°	5.9	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	10.1	10.4
76.25°	8.1	8.4	8.7	9.1	9.4	9.7	10.1	10.5	10.9	11.3	11.7
75°	8.8	9.2	9.5	9.9	10.4	10.8	11.3	11.7	12.1	12.5	12.9
73.75°	9.5	10.0	10.5	11.0	11.4	11.9	12.4	12.8	13.3	13.7	13.9
72.5°	10.4	10.9	11.4	12.0	12.5	13.0	13.5	13.8	14.1	14.4	14.7
71.25°	11.3	11.8	12.4	13.0	13.5	13.9	14.2	14.5	14.8	15.1	15.4
70°	12.1	12.7	13.4	13.8	14.2	14.5	14.9	15.2	15.5	15.9	16.1
68.75°	13.0	13.6	14.0	14.4	14.8	15.2	15.5	15.9	16.2	16.4	16.6
67.5°	13.8	14.2	14.6	15.0	15.4	15.8	16.1	16.4	16.6	16.9	17.1
66.25°	14.3	14.7	15.2	15.6	16.0	16.3	16.5	16.8	17.1	17.3	17.6
65°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	18.0	18.5
63.75°	15.3	15.8	16.2	16.5	16.8	17.1	17.4	17.8	18.4	18.9	19.5
62.5°	15.8	16.2	16.5	16.9	17.2	17.5	18.0	18.6	19.2	19.8	20.4
61.25°	16.2	16.6	16.9	17.2	17.6	18.2	18.9	19.5	20.1	20.7	21.8
60°	16.5	16.9	17.3	17.6	18.3	19.0	19.7	20.3	21.2	22.4	23.5
58.75°	16.9	17.2	17.6	18.4	19.1	19.8	20.5	21.5	22.7	23.9	25.1
57.5°	17.2	17.6	18.3	19.1	19.8	20.5	21.7	23.0	24.3	25.5	26.8
56.25°	17.5	18.2	19.0	19.8	20.5	21.8	23.1	24.5	25.8	27.1	28.4
55°	18.0	18.9	19.7	20.5	21.7	23.1	24.5	25.9	27.3	28.6	30.0
53.75°	18.6	19.5	20.3	21.5	23.0	24.5	25.9	27.3	28.8	30.2	31.5
52.5°	19.2	20.1	21.2	22.7	24.3	25.8	27.3	28.8	30.2	31.7	33.4
51.25°	19.8	20.7	22.4	23.9	25.5	27.1	28.6	30.2	31.7	33.5	35.4
50°	20.4	21.8	23.5	25.1	26.8	28.4	30.0	31.5	33.4	35.4	37.4
48.75°	21.2	22.9	24.6	26.3	28.0	29.6	31.3	33.2	35.3	37.3	39.3
47.5°	22.2	24.0	25.7	27.5	29.2	30.9	32.8	34.9	37.0	39.1	40.8
46.25°	23.2	25.0	26.8	28.6	30.4	32.2	34.4	36.6	38.8	40.6	42.2
45°	24.2	26.0	27.9	29.7	31.5	33.7	36.0	38.3	40.2	41.9	43.7
43.75°	25.1	27.0	28.9	30.8	32.9	35.2	37.6	39.7	41.5	43.3	45.0
42.5°	26.1	28.0	30.0	31.9	34.3	36.7	39.1	41.0	42.8	44.7	46.0
41.25°	27.0	29.0	31.0	33.2	35.7	38.2	40.3	42.2	44.1	45.6	46.9
40°	27.9	29.9	32.0	34.5	37.1	39.5	41.5	43.4	45.2	46.5	47.9
38.75°	28.8	30.9	33.2	35.8	38.4	40.6	42.6	44.6	46.1	47.5	48.8
37.5°	29.6	31.7	34.4	37.1	39.6	41.7	43.7	45.5	46.9	48.3	49.8
36.25°	30.5	32.8	35.6	38.3	40.6	42.7	44.8	46.3	47.7	49.2	50.7
35°	31.3	33.9	36.7	39.4	41.6	43.7	45.5	47.1	48.6	50.1	51.5



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	32.1	35.0	37.8	40.3	42.5	44.7	46.3	47.8	49.4	50.9	52.4
32.5°	33.1	36.0	38.9	41.2	43.5	45.4	47.0	48.6	50.1	51.7	53.2
31.25°	34.1	37.0	39.8	42.1	44.4	46.1	47.7	49.3	50.9	52.5	54.0
30°	35.0	38.0	40.6	42.9	45.1	46.7	48.4	50.0	51.6	53.2	54.8
28.75°	35.9	38.9	41.3	43.7	45.7	47.3	49.0	50.7	52.3	54.0	55.6
27.5°	36.7	39.7	42.1	44.5	46.2	47.9	49.6	51.3	53.0	54.7	56.3
26.25°	37.6	40.3	42.8	45.1	46.8	48.5	50.2	51.9	53.6	55.3	56.9
25°	38.3	41.0	43.5	45.6	47.3	49.1	50.8	52.5	54.3	56.0	57.3
23.75°	39.1	41.6	44.1	46.1	47.8	49.6	51.4	53.1	54.9	56.6	57.7
22.5°	39.7	42.2	44.7	46.5	48.3	50.1	51.9	53.7	55.5	57.0	58.1
21.25°	40.2	42.8	45.1	47.0	48.8	50.6	52.4	54.2	56.0	57.4	58.4
20°	40.7	43.3	45.5	47.4	49.2	51.1	52.9	54.7	56.5	57.7	58.8
18.75°	41.2	43.8	45.9	47.8	49.6	51.5	53.3	55.2	56.9	58.0	59.1
17.5°	41.6	44.3	46.3	48.1	50.0	51.9	53.8	55.6	57.2	58.3	59.2
16.25°	42.0	44.7	46.6	48.5	50.4	52.3	54.2	56.0	57.4	58.6	59.3
15°	42.4	45.0	46.9	48.8	50.7	52.6	54.5	56.4	57.7	58.8	59.4
13.75°	42.8	45.3	47.2	49.1	51.0	53.0	54.9	56.8	57.9	59.0	59.5
12.5°	43.1	45.5	47.5	49.4	51.3	53.3	55.2	56.9	58.1	59.2	59.5
11.25°	43.4	45.7	47.7	49.6	51.6	53.5	55.5	57.1	58.3	59.2	59.6
10°	43.7	45.9	47.9	49.9	51.8	53.8	55.7	57.3	58.5	59.3	59.7
8.75°	43.9	46.1	48.1	50.1	52.0	54.0	56.0	57.4	58.6	59.3	59.7
7.5°	44.1	46.3	48.2	50.2	52.2	54.2	56.2	57.6	58.7	59.4	59.8
6.25°	44.3	46.4	48.4	50.4	52.4	54.3	56.3	57.7	58.8	59.4	59.8
5°	44.4	46.5	48.5	50.5	52.5	54.5	56.5	57.7	58.9	59.4	59.8
3.75°	44.6	46.6	48.6	50.6	52.6	54.6	56.6	57.8	59.0	59.5	59.9
2.5°	44.6	46.7	48.6	50.6	52.6	54.6	56.6	57.9	59.1	59.5	59.9
1.25°	44.7	46.7	48.7	50.7	52.7	54.7	56.7	57.9	59.1	59.5	59.9
0°	44.7	46.7	48.7	50.7	52.7	54.7	56.7	57.9	59.1	59.5	59.9
-1.25°	44.7	46.7	48.7	50.7	52.7	54.7	56.7	57.9	59.1	59.5	59.9
-2.5°	44.6	46.7	48.6	50.6	52.6	54.6	56.6	57.9	59.1	59.5	59.9
-3.75°	44.6	46.6	48.6	50.6	52.6	54.6	56.6	57.8	59.0	59.5	59.9
-5°	44.4	46.5	48.5	50.5	52.5	54.5	56.5	57.7	58.9	59.4	59.8
-6.25°	44.3	46.4	48.4	50.4	52.4	54.3	56.3	57.7	58.8	59.4	59.8
-7.5°	44.1	46.3	48.2	50.2	52.2	54.2	56.2	57.6	58.7	59.4	59.8
-8.75°	43.9	46.1	48.1	50.1	52.0	54.0	56.0	57.4	58.6	59.3	59.7
-10°	43.7	45.9	47.9	49.9	51.8	53.8	55.7	57.3	58.5	59.3	59.7
-11.25°	43.4	45.7	47.7	49.6	51.6	53.5	55.5	57.1	58.3	59.2	59.6
-12.5°	43.1	45.5	47.5	49.4	51.3	53.3	55.2	56.9	58.1	59.2	59.5
-13.75°	42.8	45.3	47.2	49.1	51.0	53.0	54.9	56.8	57.9	59.0	59.5
-15°	42.4	45.0	46.9	48.8	50.7	52.6	54.5	56.4	57.7	58.8	59.4
-16.25°	42.0	44.7	46.6	48.5	50.4	52.3	54.2	56.0	57.4	58.6	59.3
-17.5°	41.6	44.3	46.3	48.1	50.0	51.9	53.8	55.6	57.2	58.3	59.2
-18.75°	41.2	43.8	45.9	47.8	49.6	51.5	53.3	55.2	56.9	58.0	59.1
-20°	40.7	43.3	45.5	47.4	49.2	51.1	52.9	54.7	56.5	57.7	58.8
-21.25°	40.2	42.8	45.1	47.0	48.8	50.6	52.4	54.2	56.0	57.4	58.4





REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	39.7	42.2	44.7	46.5	48.3	50.1	51.9	53.7	55.5	57.0	58.1
-23.75°	39.1	41.6	44.1	46.1	47.8	49.6	51.4	53.1	54.9	56.6	57.7
-25°	38.3	41.0	43.5	45.6	47.3	49.1	50.8	52.5	54.3	56.0	57.3
-26.25°	37.6	40.3	42.8	45.1	46.8	48.5	50.2	51.9	53.6	55.3	56.9
-27.5°	36.7	39.7	42.1	44.5	46.2	47.9	49.6	51.3	53.0	54.7	56.3
-28.75°	35.9	38.9	41.3	43.7	45.7	47.3	49.0	50.7	52.3	54.0	55.6
-30°	35.0	38.0	40.6	42.9	45.1	46.7	48.4	50.0	51.6	53.2	54.8
-31.25°	34.1	37.0	39.8	42.1	44.4	46.1	47.7	49.3	50.9	52.5	54.0
-32.5°	33.1	36.0	38.9	41.2	43.5	45.4	47.0	48.6	50.1	51.7	53.2
-33.75°	32.1	35.0	37.8	40.3	42.5	44.7	46.3	47.8	49.4	50.9	52.4
-35°	31.3	33.9	36.7	39.4	41.6	43.7	45.5	47.1	48.6	50.1	51.5
-36.25°	30.5	32.8	35.6	38.3	40.6	42.7	44.8	46.3	47.7	49.2	50.7
-37.5°	29.6	31.7	34.4	37.1	39.6	41.7	43.7	45.5	46.9	48.3	49.8
-38.75°	28.8	30.9	33.2	35.8	38.4	40.6	42.6	44.6	46.1	47.5	48.8
-40°	27.9	29.9	32.0	34.5	37.1	39.5	41.5	43.4	45.2	46.5	47.9
-41.25°	27.0	29.0	31.0	33.2	35.7	38.2	40.3	42.2	44.1	45.6	46.9
-42.5°	26.1	28.0	30.0	31.9	34.3	36.7	39.1	41.0	42.8	44.7	46.0
-43.75°	25.1	27.0	28.9	30.8	32.9	35.2	37.6	39.7	41.5	43.3	45.0
-45°	24.2	26.0	27.9	29.7	31.5	33.7	36.0	38.3	40.2	41.9	43.7
-46.25°	23.2	25.0	26.8	28.6	30.4	32.2	34.4	36.6	38.8	40.6	42.2
-47.5°	22.2	24.0	25.7	27.5	29.2	30.9	32.8	34.9	37.0	39.1	40.8
-48.75°	21.2	22.9	24.6	26.3	28.0	29.6	31.3	33.2	35.3	37.3	39.3
-50°	20.4	21.8	23.5	25.1	26.8	28.4	30.0	31.5	33.4	35.4	37.4
-51.25°	19.8	20.7	22.4	23.9	25.5	27.1	28.6	30.2	31.7	33.5	35.4
-52.5°	19.2	20.1	21.2	22.7	24.3	25.8	27.3	28.8	30.2	31.7	33.4
-53.75°	18.6	19.5	20.3	21.5	23.0	24.5	25.9	27.3	28.8	30.2	31.5
-55°	18.0	18.9	19.7	20.5	21.7	23.1	24.5	25.9	27.3	28.6	30.0
-56.25°	17.5	18.2	19.0	19.8	20.5	21.8	23.1	24.5	25.8	27.1	28.4
-57.5°	17.2	17.6	18.3	19.1	19.8	20.5	21.7	23.0	24.3	25.5	26.8
-58.75°	16.9	17.2	17.6	18.4	19.1	19.8	20.5	21.5	22.7	23.9	25.1
-60°	16.5	16.9	17.3	17.6	18.3	19.0	19.7	20.3	21.2	22.4	23.5
-61.25°	16.2	16.6	16.9	17.2	17.6	18.2	18.9	19.5	20.1	20.7	21.8
-62.5°	15.8	16.2	16.5	16.9	17.2	17.5	18.0	18.6	19.2	19.8	20.4
-63.75°	15.3	15.8	16.2	16.5	16.8	17.1	17.4	17.8	18.4	18.9	19.5
-65°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	18.0	18.5
-66.25°	14.3	14.7	15.2	15.6	16.0	16.3	16.5	16.8	17.1	17.3	17.6
-67.5°	13.8	14.2	14.6	15.0	15.4	15.8	16.1	16.4	16.6	16.9	17.1
-68.75°	13.0	13.6	14.0	14.4	14.8	15.2	15.5	15.9	16.2	16.4	16.6
-70°	12.1	12.7	13.4	13.8	14.2	14.5	14.9	15.2	15.5	15.9	16.1
-71.25°	11.3	11.8	12.4	13.0	13.5	13.9	14.2	14.5	14.8	15.1	15.4
-72.5°	10.4	10.9	11.4	12.0	12.5	13.0	13.5	13.8	14.1	14.4	14.7
-73.75°	9.5	10.0	10.5	11.0	11.4	11.9	12.4	12.8	13.3	13.7	13.9
-75°	8.8	9.2	9.5	9.9	10.4	10.8	11.3	11.7	12.1	12.5	12.9
-76.25°	8.1	8.4	8.7	9.1	9.4	9.7	10.1	10.5	10.9	11.3	11.7
-77.5°	7.3	7.6	8.0	8.3	8.5	8.8	9.1	9.4	9.7	10.1	10.4



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	5.9	6.1	6.4	6.6	6.9	7.1	7.3	7.5	7.8	8.0	8.2
-81.25°	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2
-82.5°	4.4	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.8	6.0	6.2
-83.75°	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.1
-85°	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1
-86.25°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1
-87.5°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
-88.75°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
87.5°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6
86.25°	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.9
85°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
83.75°	5.3	5.4	5.5	5.7	5.8	5.9	6.0	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	10.1	10.3	10.5
78.75°	9.5	9.7	10.0	10.3	10.6	10.8	11.1	11.4	11.6	11.8	12.1
77.5°	10.7	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.1	13.4	13.7
76.25°	12.0	12.4	12.7	13.1	13.4	13.7	13.9	14.1	14.3	14.4	14.6
75°	13.3	13.7	13.9	14.1	14.3	14.6	14.8	15.0	15.2	15.4	15.6
73.75°	14.2	14.5	14.7	15.0	15.2	15.4	15.7	15.9	16.1	16.2	16.3
72.5°	15.0	15.3	15.5	15.8	16.0	16.2	16.4	16.5	16.7	16.8	17.0
71.25°	15.7	16.0	16.2	16.4	16.6	16.8	17.0	17.1	17.3	17.5	17.6
70°	16.3	16.6	16.8	17.0	17.2	17.3	17.5	17.8	18.2	18.5	18.9
68.75°	16.8	17.1	17.3	17.5	17.8	18.2	18.6	19.0	19.4	19.7	20.1
67.5°	17.4	17.6	18.0	18.5	18.9	19.3	19.7	20.1	20.5	21.1	21.8
66.25°	18.1	18.6	19.1	19.5	20.0	20.4	21.0	21.8	22.5	23.2	24.0
65°	19.1	19.6	20.1	20.6	21.3	22.2	23.0	23.8	24.6	25.4	26.1
63.75°	20.0	20.6	21.4	22.3	23.2	24.1	25.0	25.9	26.7	27.5	28.3
62.5°	21.2	22.2	23.2	24.2	25.1	26.1	27.0	27.9	28.8	29.6	30.5
61.25°	22.9	24.0	25.0	26.0	27.0	28.0	29.0	29.9	30.9	31.7	32.8
60°	24.6	25.7	26.8	27.9	28.9	30.0	31.0	32.0	33.2	34.4	35.6
58.75°	26.3	27.5	28.6	29.7	30.8	31.9	33.2	34.5	35.8	37.1	38.3
57.5°	28.0	29.2	30.4	31.5	32.9	34.3	35.7	37.1	38.4	39.6	40.6
56.25°	29.6	30.9	32.2	33.7	35.2	36.7	38.2	39.5	40.6	41.7	42.7
55°	31.3	32.8	34.4	36.0	37.6	39.1	40.3	41.5	42.6	43.7	44.8
53.75°	33.2	34.9	36.6	38.3	39.7	41.0	42.2	43.4	44.6	45.5	46.3
52.5°	35.3	37.0	38.8	40.2	41.5	42.8	44.1	45.2	46.1	46.9	47.7
51.25°	37.3	39.1	40.6	41.9	43.3	44.7	45.6	46.5	47.5	48.3	49.2
50°	39.3	40.8	42.2	43.7	45.0	46.0	46.9	47.9	48.8	49.8	50.7
48.75°	40.8	42.4	43.9	45.2	46.2	47.2	48.2	49.2	50.2	51.2	52.1
47.5°	42.4	43.9	45.3	46.4	47.4	48.5	49.5	50.6	51.6	52.6	53.5
46.25°	43.9	45.3	46.4	47.5	48.6	49.7	50.8	51.9	52.9	53.9	54.9
45°	45.2	46.4	47.5	48.7	49.8	51.0	52.1	53.2	54.2	55.3	56.3
43.75°	46.2	47.4	48.6	49.8	51.0	52.2	53.3	54.5	55.6	56.6	57.3
42.5°	47.2	48.5	49.7	51.0	52.2	53.4	54.6	55.7	56.8	57.5	58.1
41.25°	48.2	49.5	50.8	52.1	53.3	54.6	55.8	56.9	57.6	58.3	58.9
40°	49.2	50.6	51.9	53.2	54.5	55.7	56.9	57.6	58.3	59.0	59.3
38.75°	50.2	51.6	52.9	54.2	55.6	56.8	57.6	58.3	59.1	59.3	59.6
37.5°	51.2	52.6	53.9	55.3	56.6	57.5	58.3	59.0	59.3	59.6	59.8
36.25°	52.1	53.5	54.9	56.3	57.3	58.1	58.9	59.3	59.6	59.8	60.3
35°	53.0	54.5	55.9	57.1	57.9	58.8	59.3	59.5	59.8	60.2	60.8



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	53.9	55.4	56.8	57.7	58.5	59.2	59.5	59.8	60.2	60.7	61.2
32.5°	54.8	56.3	57.3	58.2	59.1	59.4	59.7	60.1	60.6	61.2	61.6
31.25°	55.6	57.0	57.9	58.8	59.3	59.6	59.9	60.5	61.1	61.6	61.8
30°	56.4	57.5	58.4	59.2	59.5	59.8	60.3	60.9	61.5	61.8	62.0
28.75°	57.0	58.0	58.9	59.4	59.7	60.1	60.7	61.3	61.7	61.9	62.2
27.5°	57.5	58.4	59.2	59.5	59.9	60.4	61.1	61.6	61.9	62.1	62.6
26.25°	57.9	58.9	59.4	59.7	60.1	60.8	61.4	61.8	62.0	62.4	63.0
25°	58.3	59.2	59.5	59.9	60.5	61.1	61.6	61.9	62.2	62.8	63.5
23.75°	58.7	59.3	59.7	60.1	60.8	61.5	61.8	62.1	62.6	63.2	63.8
22.5°	59.1	59.5	59.8	60.4	61.1	61.6	61.9	62.2	62.9	63.6	64.2
21.25°	59.2	59.6	60.0	60.7	61.4	61.8	62.1	62.6	63.2	63.9	64.6
20°	59.4	59.7	60.2	61.0	61.6	61.9	62.2	62.9	63.6	64.2	64.9
18.75°	59.5	59.8	60.5	61.2	61.7	62.0	62.5	63.2	63.9	64.6	65.3
17.5°	59.6	60.0	60.7	61.4	61.8	62.1	62.7	63.4	64.2	64.9	65.8
16.25°	59.7	60.2	60.9	61.6	61.9	62.2	63.0	63.7	64.4	65.2	66.3
15°	59.8	60.4	61.1	61.7	62.0	62.5	63.2	63.9	64.7	65.4	66.9
13.75°	59.8	60.5	61.3	61.7	62.1	62.7	63.4	64.2	64.9	65.9	67.4
12.5°	59.9	60.7	61.5	61.8	62.2	62.9	63.6	64.4	65.1	66.4	67.9
11.25°	60.1	60.9	61.6	61.9	62.3	63.0	63.8	64.6	65.3	66.8	68.3
10°	60.2	61.0	61.6	62.0	62.4	63.2	64.0	64.7	65.6	67.2	68.9
8.75°	60.3	61.1	61.7	62.0	62.6	63.3	64.1	64.9	65.9	67.5	69.7
7.5°	60.4	61.2	61.7	62.1	62.7	63.5	64.2	65.0	66.2	67.8	70.5
6.25°	60.5	61.3	61.8	62.1	62.8	63.6	64.4	65.1	66.5	68.0	71.1
5°	60.6	61.4	61.8	62.1	62.9	63.6	64.4	65.2	66.7	68.2	71.7
3.75°	60.6	61.4	61.8	62.2	62.9	63.7	64.5	65.3	66.8	68.4	72.1
2.5°	60.7	61.5	61.8	62.2	63.0	63.8	64.6	65.4	66.9	68.5	72.4
1.25°	60.7	61.5	61.8	62.2	63.0	63.8	64.6	65.4	67.0	68.6	72.5
0°	60.7	61.5	61.9	62.2	63.0	63.8	64.6	65.4	67.0	68.6	72.6
-1.25°	60.7	61.5	61.8	62.2	63.0	63.8	64.6	65.4	67.0	68.6	72.5
-2.5°	60.7	61.5	61.8	62.2	63.0	63.8	64.6	65.4	66.9	68.5	72.4
-3.75°	60.6	61.4	61.8	62.2	62.9	63.7	64.5	65.3	66.8	68.4	72.1
-5°	60.6	61.4	61.8	62.1	62.9	63.6	64.4	65.2	66.7	68.2	71.7
-6.25°	60.5	61.3	61.8	62.1	62.8	63.6	64.4	65.1	66.5	68.0	71.1
-7.5°	60.4	61.2	61.7	62.1	62.7	63.5	64.2	65.0	66.2	67.8	70.5
-8.75°	60.3	61.1	61.7	62.0	62.6	63.3	64.1	64.9	65.9	67.5	69.7
-10°	60.2	61.0	61.6	62.0	62.4	63.2	64.0	64.7	65.6	67.2	68.9
-11.25°	60.1	60.9	61.6	61.9	62.3	63.0	63.8	64.6	65.3	66.8	68.3
-12.5°	59.9	60.7	61.5	61.8	62.2	62.9	63.6	64.4	65.1	66.4	67.9
-13.75°	59.8	60.5	61.3	61.7	62.1	62.7	63.4	64.2	64.9	65.9	67.4
-15°	59.8	60.4	61.1	61.7	62.0	62.5	63.2	63.9	64.7	65.4	66.9
-16.25°	59.7	60.2	60.9	61.6	61.9	62.2	63.0	63.7	64.4	65.2	66.3
-17.5°	59.6	60.0	60.7	61.4	61.8	62.1	62.7	63.4	64.2	64.9	65.8
-18.75°	59.5	59.8	60.5	61.2	61.7	62.0	62.5	63.2	63.9	64.6	65.3
-20°	59.4	59.7	60.2	61.0	61.6	61.9	62.2	62.9	63.6	64.2	64.9
-21.25°	59.2	59.6	60.0	60.7	61.4	61.8	62.1	62.6	63.2	63.9	64.6



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	59.1	59.5	59.8	60.4	61.1	61.6	61.9	62.2	62.9	63.6	64.2
-23.75°	58.7	59.3	59.7	60.1	60.8	61.5	61.8	62.1	62.6	63.2	63.8
-25°	58.3	59.2	59.5	59.9	60.5	61.1	61.6	61.9	62.2	62.8	63.5
-26.25°	57.9	58.9	59.4	59.7	60.1	60.8	61.4	61.8	62.0	62.4	63.0
-27.5°	57.5	58.4	59.2	59.5	59.9	60.4	61.1	61.6	61.9	62.1	62.6
-28.75°	57.0	58.0	58.9	59.4	59.7	60.1	60.7	61.3	61.7	61.9	62.2
-30°	56.4	57.5	58.4	59.2	59.5	59.8	60.3	60.9	61.5	61.8	62.0
-31.25°	55.6	57.0	57.9	58.8	59.3	59.6	59.9	60.5	61.1	61.6	61.8
-32.5°	54.8	56.3	57.3	58.2	59.1	59.4	59.7	60.1	60.6	61.2	61.6
-33.75°	53.9	55.4	56.8	57.7	58.5	59.2	59.5	59.8	60.2	60.7	61.2
-35°	53.0	54.5	55.9	57.1	57.9	58.8	59.3	59.5	59.8	60.2	60.8
-36.25°	52.1	53.5	54.9	56.3	57.3	58.1	58.9	59.3	59.6	59.8	60.3
-37.5°	51.2	52.6	53.9	55.3	56.6	57.5	58.3	59.0	59.3	59.6	59.8
-38.75°	50.2	51.6	52.9	54.2	55.6	56.8	57.6	58.3	59.1	59.3	59.6
-40°	49.2	50.6	51.9	53.2	54.5	55.7	56.9	57.6	58.3	59.0	59.3
-41.25°	48.2	49.5	50.8	52.1	53.3	54.6	55.8	56.9	57.6	58.3	58.9
-42.5°	47.2	48.5	49.7	51.0	52.2	53.4	54.6	55.7	56.8	57.5	58.1
-43.75°	46.2	47.4	48.6	49.8	51.0	52.2	53.3	54.5	55.6	56.6	57.3
-45°	45.2	46.4	47.5	48.7	49.8	51.0	52.1	53.2	54.2	55.3	56.3
-46.25°	43.9	45.3	46.4	47.5	48.6	49.7	50.8	51.9	52.9	53.9	54.9
-47.5°	42.4	43.9	45.3	46.4	47.4	48.5	49.5	50.6	51.6	52.6	53.5
-48.75°	40.8	42.4	43.9	45.2	46.2	47.2	48.2	49.2	50.2	51.2	52.1
-50°	39.3	40.8	42.2	43.7	45.0	46.0	46.9	47.9	48.8	49.8	50.7
-51.25°	37.3	39.1	40.6	41.9	43.3	44.7	45.6	46.5	47.5	48.3	49.2
-52.5°	35.3	37.0	38.8	40.2	41.5	42.8	44.1	45.2	46.1	46.9	47.7
-53.75°	33.2	34.9	36.6	38.3	39.7	41.0	42.2	43.4	44.6	45.5	46.3
-55°	31.3	32.8	34.4	36.0	37.6	39.1	40.3	41.5	42.6	43.7	44.8
-56.25°	29.6	30.9	32.2	33.7	35.2	36.7	38.2	39.5	40.6	41.7	42.7
-57.5°	28.0	29.2	30.4	31.5	32.9	34.3	35.7	37.1	38.4	39.6	40.6
-58.75°	26.3	27.5	28.6	29.7	30.8	31.9	33.2	34.5	35.8	37.1	38.3
-60°	24.6	25.7	26.8	27.9	28.9	30.0	31.0	32.0	33.2	34.4	35.6
-61.25°	22.9	24.0	25.0	26.0	27.0	28.0	29.0	29.9	30.9	31.7	32.8
-62.5°	21.2	22.2	23.2	24.2	25.1	26.1	27.0	27.9	28.8	29.6	30.5
-63.75°	20.0	20.6	21.4	22.3	23.2	24.1	25.0	25.9	26.7	27.5	28.3
-65°	19.1	19.6	20.1	20.6	21.3	22.2	23.0	23.8	24.6	25.4	26.1
-66.25°	18.1	18.6	19.1	19.5	20.0	20.4	21.0	21.8	22.5	23.2	24.0
-67.5°	17.4	17.6	18.0	18.5	18.9	19.3	19.7	20.1	20.5	21.1	21.8
-68.75°	16.8	17.1	17.3	17.5	17.8	18.2	18.6	19.0	19.4	19.7	20.1
-70°	16.3	16.6	16.8	17.0	17.2	17.3	17.5	17.8	18.2	18.5	18.9
-71.25°	15.7	16.0	16.2	16.4	16.6	16.8	17.0	17.1	17.3	17.5	17.6
-72.5°	15.0	15.3	15.5	15.8	16.0	16.2	16.4	16.5	16.7	16.8	17.0
-73.75°	14.2	14.5	14.7	15.0	15.2	15.4	15.7	15.9	16.1	16.2	16.3
-75°	13.3	13.7	13.9	14.1	14.3	14.6	14.8	15.0	15.2	15.4	15.6
-76.25°	12.0	12.4	12.7	13.1	13.4	13.7	13.9	14.1	14.3	14.4	14.6
-77.5°	10.7	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.1	13.4	13.7



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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	10.0	10.3	10.6	10.8	11.1	11.4	11.6	11.8	12.1
-80°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.1	10.3	10.5
-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°	5.3	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4
-85°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
-86.25°	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.9
-87.5°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6
-88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
-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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
87.5°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
86.25°	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.3	4.4	4.4
85°	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.9	5.9
83.75°	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4
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	9.9	10.0	10.1	10.3	10.4	10.5
80°	10.7	10.9	11.1	11.3	11.4	11.6	11.8	11.9	12.1	12.2	12.4
78.75°	12.3	12.5	12.8	13.0	13.2	13.4	13.5	13.7	13.8	13.9	14.0
77.5°	13.8	14.0	14.1	14.2	14.4	14.5	14.6	14.7	14.9	15.0	15.1
76.25°	14.8	14.9	15.1	15.3	15.4	15.5	15.7	15.8	15.9	16.0	16.1
75°	15.8	15.9	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9
73.75°	16.5	16.6	16.7	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6
72.5°	17.1	17.3	17.4	17.5	17.7	18.0	18.2	18.4	18.6	18.8	19.0
71.25°	17.9	18.2	18.5	18.8	19.0	19.3	19.5	19.8	20.0	20.2	20.4
70°	19.2	19.5	19.8	20.1	20.4	20.6	21.1	21.5	21.9	22.4	22.8
68.75°	20.4	20.8	21.4	21.9	22.5	23.0	23.5	24.0	24.5	24.9	25.3
67.5°	22.4	23.1	23.7	24.3	24.9	25.4	25.9	26.5	27.0	27.4	27.9
66.25°	24.6	25.3	26.0	26.6	27.2	27.8	28.4	28.9	29.5	30.0	30.4
65°	26.9	27.6	28.3	28.9	29.6	30.2	30.8	31.4	32.0	32.6	33.3
63.75°	29.1	29.8	30.6	31.3	32.0	32.8	33.6	34.4	35.2	35.9	36.6
62.5°	31.3	32.1	33.1	34.1	35.0	35.9	36.7	37.6	38.3	39.1	39.7
61.25°	33.9	35.0	36.0	37.0	38.0	38.9	39.7	40.3	41.0	41.6	42.2
60°	36.7	37.8	38.9	39.8	40.6	41.3	42.1	42.8	43.5	44.1	44.7
58.75°	39.4	40.3	41.2	42.1	42.9	43.7	44.5	45.1	45.6	46.1	46.5
57.5°	41.6	42.5	43.5	44.4	45.1	45.7	46.2	46.8	47.3	47.8	48.3
56.25°	43.7	44.7	45.4	46.1	46.7	47.3	47.9	48.5	49.1	49.6	50.1
55°	45.5	46.3	47.0	47.7	48.4	49.0	49.6	50.2	50.8	51.4	51.9
53.75°	47.1	47.8	48.6	49.3	50.0	50.7	51.3	51.9	52.5	53.1	53.7
52.5°	48.6	49.4	50.1	50.9	51.6	52.3	53.0	53.6	54.3	54.9	55.5
51.25°	50.1	50.9	51.7	52.5	53.2	54.0	54.7	55.3	56.0	56.6	57.0
50°	51.5	52.4	53.2	54.0	54.8	55.6	56.3	56.9	57.3	57.7	58.1
48.75°	53.0	53.9	54.8	55.6	56.4	57.0	57.5	57.9	58.3	58.7	59.1
47.5°	54.5	55.4	56.3	57.0	57.5	58.0	58.4	58.9	59.2	59.3	59.5
46.25°	55.9	56.8	57.3	57.9	58.4	58.9	59.2	59.4	59.5	59.7	59.8
45°	57.1	57.7	58.2	58.8	59.2	59.4	59.5	59.7	59.9	60.1	60.4
43.75°	57.9	58.5	59.1	59.3	59.5	59.7	59.9	60.1	60.5	60.8	61.1
42.5°	58.8	59.2	59.4	59.6	59.8	60.1	60.4	60.8	61.1	61.5	61.6
41.25°	59.3	59.5	59.7	59.9	60.3	60.7	61.1	61.4	61.6	61.8	61.9
40°	59.5	59.8	60.1	60.5	60.9	61.3	61.6	61.8	61.9	62.1	62.2
38.75°	59.8	60.2	60.6	61.1	61.5	61.7	61.9	62.0	62.2	62.6	62.9
37.5°	60.2	60.7	61.2	61.6	61.8	61.9	62.1	62.4	62.8	63.2	63.6
36.25°	60.8	61.2	61.6	61.8	62.0	62.2	62.6	63.0	63.5	63.8	64.2
35°	61.3	61.6	61.8	62.0	62.3	62.8	63.2	63.7	64.1	64.5	64.9



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	61.6	61.8	62.1	62.4	62.9	63.4	63.8	64.3	64.7	65.1	65.6
32.5°	61.8	62.1	62.4	62.9	63.4	63.9	64.4	64.9	65.3	66.1	66.9
31.25°	62.0	62.4	62.9	63.5	64.0	64.5	65.0	65.5	66.4	67.3	68.2
30°	62.3	62.9	63.4	64.0	64.5	65.0	65.6	66.6	67.6	68.5	70.6
28.75°	62.8	63.4	63.9	64.5	65.0	65.7	66.7	67.8	69.0	71.4	73.7
27.5°	63.2	63.8	64.4	65.0	65.6	66.7	67.8	69.3	71.8	74.3	76.9
26.25°	63.7	64.3	64.9	65.5	66.6	67.8	69.3	72.0	74.6	78.2	85.5
25°	64.1	64.7	65.3	66.4	67.6	69.0	71.8	74.6	78.7	86.4	93.8
23.75°	64.5	65.1	66.1	67.3	68.5	71.4	74.3	78.2	86.4	94.3	102.2
22.5°	64.9	65.6	66.9	68.2	70.6	73.7	76.9	85.5	93.8	102.2	110.7
21.25°	65.3	66.4	67.7	69.6	72.8	76.0	83.7	92.5	101.2	110.2	118.9
20°	65.8	67.2	68.5	71.6	74.9	81.0	90.2	99.2	108.6	117.9	127.6
18.75°	66.5	67.9	70.2	73.6	77.4	87.0	96.4	106.1	115.8	125.5	138.2
17.5°	67.2	68.6	72.0	75.4	82.9	92.7	102.5	112.6	122.6	134.8	162.7
16.25°	67.8	70.1	73.6	78.1	88.2	98.1	108.5	118.9	130.5	153.4	205.1
15°	68.3	71.6	75.2	82.8	93.1	103.5	114.2	124.9	140.4	180.2	258.0
13.75°	69.3	73.0	76.7	87.2	97.6	108.6	119.5	132.1	159.6	223.8	320.1
12.5°	70.5	74.3	80.6	91.3	102.0	113.3	124.5	141.1	186.3	273.0	385.1
11.25°	71.7	75.4	84.1	95.0	106.2	117.6	130.3	156.9	222.2	324.1	448.1
10°	72.7	76.5	87.3	98.4	109.9	121.5	135.7	172.6	259.7	376.5	507.6
8.75°	73.6	79.1	90.2	101.5	113.3	125.2	145.3	200.4	299.6	425.7	561.3
7.5°	74.4	81.5	92.7	104.3	116.2	129.2	156.0	224.9	334.6	469.6	609.5
6.25°	75.1	83.5	94.9	106.6	118.7	132.6	165.2	247.5	369.3	508.1	651.0
5°	75.6	85.2	96.6	108.6	120.8	135.4	176.0	271.1	398.4	540.0	685.4
3.75°	76.0	86.5	98.0	110.2	122.4	138.2	188.8	289.5	421.2	565.0	710.7
2.5°	76.4	87.4	99.0	111.3	123.6	142.2	198.1	302.8	437.7	583.3	728.8
1.25°	76.5	88.0	99.6	111.9	124.3	144.7	203.6	310.8	447.6	594.4	739.7
0°	76.6	88.2	99.8	112.2	124.5	145.5	205.5	313.5	450.9	598.1	743.4
-1.25°	76.5	88.0	99.6	111.9	124.3	144.7	203.6	310.8	447.6	594.4	739.7
-2.5°	76.4	87.4	99.0	111.3	123.6	142.2	198.1	302.8	437.7	583.3	728.8
-3.75°	76.0	86.5	98.0	110.2	122.4	138.2	188.8	289.5	421.2	565.0	710.7
-5°	75.6	85.2	96.6	108.6	120.8	135.4	176.0	271.1	398.4	540.0	685.4
-6.25°	75.1	83.5	94.9	106.6	118.7	132.6	165.2	247.5	369.3	508.1	651.0
-7.5°	74.4	81.5	92.7	104.3	116.2	129.2	156.0	224.9	334.6	469.6	609.5
-8.75°	73.6	79.1	90.2	101.5	113.3	125.2	145.3	200.4	299.6	425.7	561.3
-10°	72.7	76.5	87.3	98.4	109.9	121.5	135.7	172.6	259.7	376.5	507.6
-11.25°	71.7	75.4	84.1	95.0	106.2	117.6	130.3	156.9	222.2	324.1	448.1
-12.5°	70.5	74.3	80.6	91.3	102.0	113.3	124.5	141.1	186.3	273.0	385.1
-13.75°	69.3	73.0	76.7	87.2	97.6	108.6	119.5	132.1	159.6	223.8	320.1
-15°	68.3	71.6	75.2	82.8	93.1	103.5	114.2	124.9	140.4	180.2	258.0
-16.25°	67.8	70.1	73.6	78.1	88.2	98.1	108.5	118.9	130.5	153.4	205.1
-17.5°	67.2	68.6	72.0	75.4	82.9	92.7	102.5	112.6	122.6	134.8	162.7
-18.75°	66.5	67.9	70.2	73.6	77.4	87.0	96.4	106.1	115.8	125.5	138.2
-20°	65.8	67.2	68.5	71.6	74.9	81.0	90.2	99.2	108.6	117.9	127.6
-21.25°	65.3	66.4	67.7	69.6	72.8	76.0	83.7	92.5	101.2	110.2	118.9





REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	64.9	65.6	66.9	68.2	70.6	73.7	76.9	85.5	93.8	102.2	110.7
-23.75°	64.5	65.1	66.1	67.3	68.5	71.4	74.3	78.2	86.4	94.3	102.2
-25°	64.1	64.7	65.3	66.4	67.6	69.0	71.8	74.6	78.7	86.4	93.8
-26.25°	63.7	64.3	64.9	65.5	66.6	67.8	69.3	72.0	74.6	78.2	85.5
-27.5°	63.2	63.8	64.4	65.0	65.6	66.7	67.8	69.3	71.8	74.3	76.9
-28.75°	62.8	63.4	63.9	64.5	65.0	65.7	66.7	67.8	69.0	71.4	73.7
-30°	62.3	62.9	63.4	64.0	64.5	65.0	65.6	66.6	67.6	68.5	70.6
-31.25°	62.0	62.4	62.9	63.5	64.0	64.5	65.0	65.5	66.4	67.3	68.2
-32.5°	61.8	62.1	62.4	62.9	63.4	63.9	64.4	64.9	65.3	66.1	66.9
-33.75°	61.6	61.8	62.1	62.4	62.9	63.4	63.8	64.3	64.7	65.1	65.6
-35°	61.3	61.6	61.8	62.0	62.3	62.8	63.2	63.7	64.1	64.5	64.9
-36.25°	60.8	61.2	61.6	61.8	62.0	62.2	62.6	63.0	63.5	63.8	64.2
-37.5°	60.2	60.7	61.2	61.6	61.8	61.9	62.1	62.4	62.8	63.2	63.6
-38.75°	59.8	60.2	60.6	61.1	61.5	61.7	61.9	62.0	62.2	62.6	62.9
-40°	59.5	59.8	60.1	60.5	60.9	61.3	61.6	61.8	61.9	62.1	62.2
-41.25°	59.3	59.5	59.7	59.9	60.3	60.7	61.1	61.4	61.6	61.8	61.9
-42.5°	58.8	59.2	59.4	59.6	59.8	60.1	60.4	60.8	61.1	61.5	61.6
-43.75°	57.9	58.5	59.1	59.3	59.5	59.7	59.9	60.1	60.5	60.8	61.1
-45°	57.1	57.7	58.2	58.8	59.2	59.4	59.5	59.7	59.9	60.1	60.4
-46.25°	55.9	56.8	57.3	57.9	58.4	58.9	59.2	59.4	59.5	59.7	59.8
-47.5°	54.5	55.4	56.3	57.0	57.5	58.0	58.4	58.9	59.2	59.3	59.5
-48.75°	53.0	53.9	54.8	55.6	56.4	57.0	57.5	57.9	58.3	58.7	59.1
-50°	51.5	52.4	53.2	54.0	54.8	55.6	56.3	56.9	57.3	57.7	58.1
-51.25°	50.1	50.9	51.7	52.5	53.2	54.0	54.7	55.3	56.0	56.6	57.0
-52.5°	48.6	49.4	50.1	50.9	51.6	52.3	53.0	53.6	54.3	54.9	55.5
-53.75°	47.1	47.8	48.6	49.3	50.0	50.7	51.3	51.9	52.5	53.1	53.7
-55°	45.5	46.3	47.0	47.7	48.4	49.0	49.6	50.2	50.8	51.4	51.9
-56.25°	43.7	44.7	45.4	46.1	46.7	47.3	47.9	48.5	49.1	49.6	50.1
-57.5°	41.6	42.5	43.5	44.4	45.1	45.7	46.2	46.8	47.3	47.8	48.3
-58.75°	39.4	40.3	41.2	42.1	42.9	43.7	44.5	45.1	45.6	46.1	46.5
-60°	36.7	37.8	38.9	39.8	40.6	41.3	42.1	42.8	43.5	44.1	44.7
-61.25°	33.9	35.0	36.0	37.0	38.0	38.9	39.7	40.3	41.0	41.6	42.2
-62.5°	31.3	32.1	33.1	34.1	35.0	35.9	36.7	37.6	38.3	39.1	39.7
-63.75°	29.1	29.8	30.6	31.3	32.0	32.8	33.6	34.4	35.2	35.9	36.6
-65°	26.9	27.6	28.3	28.9	29.6	30.2	30.8	31.4	32.0	32.6	33.3
-66.25°	24.6	25.3	26.0	26.6	27.2	27.8	28.4	28.9	29.5	30.0	30.4
-67.5°	22.4	23.1	23.7	24.3	24.9	25.4	25.9	26.5	27.0	27.4	27.9
-68.75°	20.4	20.8	21.4	21.9	22.5	23.0	23.5	24.0	24.5	24.9	25.3
-70°	19.2	19.5	19.8	20.1	20.4	20.6	21.1	21.5	21.9	22.4	22.8
-71.25°	17.9	18.2	18.5	18.8	19.0	19.3	19.5	19.8	20.0	20.2	20.4
-72.5°	17.1	17.3	17.4	17.5	17.7	18.0	18.2	18.4	18.6	18.8	19.0
-73.75°	16.5	16.6	16.7	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6
-75°	15.8	15.9	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9
-76.25°	14.8	14.9	15.1	15.3	15.4	15.5	15.7	15.8	15.9	16.0	16.1
-77.5°	13.8	14.0	14.1	14.2	14.4	14.5	14.6	14.7	14.9	15.0	15.1



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	12.3	12.5	12.8	13.0	13.2	13.4	13.5	13.7	13.8	13.9	14.0
-80°	10.7	10.9	11.1	11.3	11.4	11.6	11.8	11.9	12.1	12.2	12.4
-81.25°	9.2	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.3	10.4	10.5
-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°	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.9	5.9
-86.25°	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.3	4.4	4.4
-87.5°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
-88.75°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
-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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
87.5°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
86.25°	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
85°	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3	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°	10.6	10.7	10.9	10.9	11.0	11.1	11.2	11.3	11.3	11.4	11.4
80°	12.5	12.6	12.7	12.9	13.0	13.0	13.1	13.2	13.3	13.4	13.4
78.75°	14.1	14.1	14.2	14.3	14.4	14.4	14.5	14.5	14.6	14.6	14.7
77.5°	15.2	15.3	15.4	15.4	15.5	15.6	15.7	15.7	15.8	15.8	15.9
76.25°	16.2	16.3	16.3	16.4	16.4	16.5	16.5	16.6	16.6	16.7	16.7
75°	16.9	17.0	17.1	17.1	17.2	17.3	17.3	17.4	17.4	17.5	17.5
73.75°	17.7	17.9	18.1	18.2	18.3	18.4	18.6	18.7	18.8	18.8	18.9
72.5°	19.2	19.4	19.5	19.7	19.8	19.9	20.1	20.2	20.3	20.4	20.4
71.25°	20.6	20.9	21.2	21.5	21.8	22.0	22.3	22.5	22.7	22.8	23.0
70°	23.1	23.5	23.8	24.1	24.4	24.7	25.0	25.2	25.4	25.6	25.8
68.75°	25.7	26.1	26.5	26.8	27.1	27.4	27.7	27.9	28.1	28.3	28.5
67.5°	28.3	28.7	29.1	29.4	29.8	30.1	30.4	30.6	30.9	31.1	31.3
66.25°	30.9	31.3	31.7	32.2	32.6	33.0	33.4	33.8	34.1	34.4	34.7
65°	33.9	34.5	35.0	35.6	36.0	36.5	36.9	37.3	37.6	37.9	38.2
63.75°	37.2	37.8	38.4	39.0	39.4	39.8	40.1	40.4	40.7	40.9	41.2
62.5°	40.2	40.7	41.2	41.6	42.0	42.4	42.8	43.1	43.4	43.7	43.9
61.25°	42.8	43.3	43.8	44.3	44.7	45.0	45.3	45.5	45.7	45.9	46.1
60°	45.1	45.5	45.9	46.3	46.6	46.9	47.2	47.5	47.7	47.9	48.1
58.75°	47.0	47.4	47.8	48.1	48.5	48.8	49.1	49.4	49.6	49.9	50.1
57.5°	48.8	49.2	49.6	50.0	50.4	50.7	51.0	51.3	51.6	51.8	52.0
56.25°	50.6	51.1	51.5	51.9	52.3	52.6	53.0	53.3	53.5	53.8	54.0
55°	52.4	52.9	53.3	53.8	54.2	54.5	54.9	55.2	55.5	55.7	56.0
53.75°	54.2	54.7	55.2	55.6	56.0	56.4	56.8	56.9	57.1	57.3	57.4
52.5°	56.0	56.5	56.9	57.2	57.4	57.7	57.9	58.1	58.3	58.5	58.6
51.25°	57.4	57.7	58.0	58.3	58.6	58.8	59.0	59.2	59.2	59.3	59.3
50°	58.4	58.8	59.1	59.2	59.3	59.4	59.5	59.5	59.6	59.7	59.7
48.75°	59.2	59.4	59.5	59.6	59.7	59.8	59.8	59.9	60.1	60.2	60.3
47.5°	59.6	59.7	59.8	60.0	60.2	60.4	60.5	60.7	60.9	61.0	61.1
46.25°	60.0	60.2	60.5	60.7	60.9	61.1	61.3	61.5	61.6	61.6	61.7
45°	60.7	61.0	61.2	61.4	61.6	61.7	61.7	61.8	61.9	62.0	62.0
43.75°	61.4	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.6
42.5°	61.8	61.9	62.0	62.1	62.2	62.5	62.7	62.9	63.0	63.2	63.3
41.25°	62.1	62.2	62.5	62.7	63.0	63.2	63.4	63.6	63.8	64.0	64.1
40°	62.6	62.9	63.2	63.4	63.7	63.9	64.2	64.4	64.6	64.7	64.9
38.75°	63.2	63.6	63.9	64.2	64.4	64.7	64.9	65.1	65.3	65.6	65.9
37.5°	63.9	64.2	64.6	64.9	65.2	65.4	65.9	66.4	66.8	67.2	67.5
36.25°	64.6	64.9	65.3	65.8	66.3	66.9	67.4	67.9	68.3	68.9	69.7
35°	65.3	65.8	66.5	67.2	67.8	68.3	69.3	70.5	71.7	72.7	73.6



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	66.4	67.2	67.9	68.6	70.1	71.6	73.0	74.3	75.4	76.5	79.1
32.5°	67.7	68.5	70.2	72.0	73.6	75.2	76.7	80.6	84.1	87.3	90.2
31.25°	69.6	71.6	73.6	75.4	78.1	82.8	87.2	91.3	95.0	98.4	101.5
30°	72.8	74.9	77.4	82.9	88.2	93.1	97.6	102.0	106.2	109.9	113.3
28.75°	76.0	81.0	87.0	92.7	98.1	103.5	108.6	113.3	117.6	121.5	125.2
27.5°	83.7	90.2	96.4	102.5	108.5	114.2	119.5	124.5	130.3	135.7	145.3
26.25°	92.5	99.2	106.1	112.6	118.9	124.9	132.1	141.1	156.9	172.6	200.4
25°	101.2	108.6	115.8	122.6	130.5	140.4	159.6	186.3	222.2	259.7	299.6
23.75°	110.2	117.9	125.5	134.8	153.4	180.2	223.8	273.0	324.1	376.5	425.7
22.5°	118.9	127.6	138.2	162.7	205.1	258.0	320.1	385.1	448.1	507.6	561.3
21.25°	128.4	141.9	168.4	222.0	287.3	359.2	435.4	508.8	577.6	641.6	698.6
20°	141.9	170.6	230.4	305.1	387.7	472.7	555.3	634.2	706.4	769.1	822.2
18.75°	168.4	230.4	311.0	402.1	495.6	587.1	675.4	753.5	821.9	879.5	927.2
17.5°	222.0	305.1	402.1	503.3	603.3	699.6	785.4	857.6	920.1	973.4	1029.9
16.25°	287.3	387.7	495.6	603.3	707.4	801.2	879.4	946.3	1012.4	1079.6	1161.5
15°	359.2	472.7	587.1	699.6	801.2	886.7	959.6	1037.0	1124.8	1221.8	1334.1
13.75°	435.4	555.3	675.4	785.4	879.4	959.6	1045.3	1147.9	1268.0	1400.3	1547.3
12.5°	508.8	634.2	753.5	857.6	946.3	1037.0	1147.9	1283.5	1440.2	1611.9	1805.0
11.25°	577.6	706.4	821.9	920.1	1012.4	1124.8	1268.0	1440.2	1637.8	1859.5	2087.3
10°	641.6	769.1	879.5	973.4	1079.6	1221.8	1400.3	1611.9	1859.5	2119.4	2383.2
8.75°	698.6	822.2	927.2	1029.9	1161.5	1334.1	1547.3	1805.0	2087.3	2383.2	2676.0
7.5°	746.0	865.9	967.8	1081.5	1240.6	1445.5	1698.1	1992.5	2309.1	2634.7	2962.5
6.25°	786.8	902.5	1007.3	1141.4	1322.8	1553.7	1841.3	2164.7	2513.3	2868.3	3231.4
5°	817.8	930.0	1042.2	1191.4	1392.4	1654.9	1973.0	2323.5	2693.0	3079.9	3469.0
3.75°	841.0	951.7	1069.7	1235.4	1459.6	1744.1	2080.1	2451.3	2842.0	3254.5	3662.2
2.5°	857.8	967.4	1092.7	1272.3	1508.3	1809.1	2159.1	2547.9	2957.1	3385.2	3807.2
1.25°	867.9	976.8	1108.9	1294.6	1537.9	1848.6	2211.1	2607.2	3027.8	3465.8	3896.9
0°	871.3	980.0	1114.3	1302.1	1547.8	1861.9	2228.6	2627.2	3051.6	3493.1	3927.3
-1.25°	867.9	976.8	1108.9	1294.6	1537.9	1848.6	2211.1	2607.2	3027.8	3465.8	3896.9
-2.5°	857.8	967.4	1092.7	1272.3	1508.3	1809.1	2159.1	2547.9	2957.1	3385.2	3807.2
-3.75°	841.0	951.7	1069.7	1235.4	1459.6	1744.1	2080.1	2451.3	2842.0	3254.5	3662.2
-5°	817.8	930.0	1042.2	1191.4	1392.4	1654.9	1973.0	2323.5	2693.0	3079.9	3469.0
-6.25°	786.8	902.5	1007.3	1141.4	1322.8	1553.7	1841.3	2164.7	2513.3	2868.3	3231.4
-7.5°	746.0	865.9	967.8	1081.5	1240.6	1445.5	1698.1	1992.5	2309.1	2634.7	2962.5
-8.75°	698.6	822.2	927.2	1029.9	1161.5	1334.1	1547.3	1805.0	2087.3	2383.2	2676.0
-10°	641.6	769.1	879.5	973.4	1079.6	1221.8	1400.3	1611.9	1859.5	2119.4	2383.2
-11.25°	577.6	706.4	821.9	920.1	1012.4	1124.8	1268.0	1440.2	1637.8	1859.5	2087.3
-12.5°	508.8	634.2	753.5	857.6	946.3	1037.0	1147.9	1283.5	1440.2	1611.9	1805.0
-13.75°	435.4	555.3	675.4	785.4	879.4	959.6	1045.3	1147.9	1268.0	1400.3	1547.3
-15°	359.2	472.7	587.1	699.6	801.2	886.7	959.6	1037.0	1124.8	1221.8	1334.1
-16.25°	287.3	387.7	495.6	603.3	707.4	801.2	879.4	946.3	1012.4	1079.6	1161.5
-17.5°	222.0	305.1	402.1	503.3	603.3	699.6	785.4	857.6	920.1	973.4	1029.9
-18.75°	168.4	230.4	311.0	402.1	495.6	587.1	675.4	753.5	821.9	879.5	927.2
-20°	141.9	170.6	230.4	305.1	387.7	472.7	555.3	634.2	706.4	769.1	822.2
-21.25°	128.4	141.9	168.4	222.0	287.3	359.2	435.4	508.8	577.6	641.6	698.6



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	118.9	127.6	138.2	162.7	205.1	258.0	320.1	385.1	448.1	507.6	561.3
-23.75°	110.2	117.9	125.5	134.8	153.4	180.2	223.8	273.0	324.1	376.5	425.7
-25°	101.2	108.6	115.8	122.6	130.5	140.4	159.6	186.3	222.2	259.7	299.6
-26.25°	92.5	99.2	106.1	112.6	118.9	124.9	132.1	141.1	156.9	172.6	200.4
-27.5°	83.7	90.2	96.4	102.5	108.5	114.2	119.5	124.5	130.3	135.7	145.3
-28.75°	76.0	81.0	87.0	92.7	98.1	103.5	108.6	113.3	117.6	121.5	125.2
-30°	72.8	74.9	77.4	82.9	88.2	93.1	97.6	102.0	106.2	109.9	113.3
-31.25°	69.6	71.6	73.6	75.4	78.1	82.8	87.2	91.3	95.0	98.4	101.5
-32.5°	67.7	68.5	70.2	72.0	73.6	75.2	76.7	80.6	84.1	87.3	90.2
-33.75°	66.4	67.2	67.9	68.6	70.1	71.6	73.0	74.3	75.4	76.5	79.1
-35°	65.3	65.8	66.5	67.2	67.8	68.3	69.3	70.5	71.7	72.7	73.6
-36.25°	64.6	64.9	65.3	65.8	66.3	66.9	67.4	67.9	68.3	68.9	69.7
-37.5°	63.9	64.2	64.6	64.9	65.2	65.4	65.9	66.4	66.8	67.2	67.5
-38.75°	63.2	63.6	63.9	64.2	64.4	64.7	64.9	65.1	65.3	65.6	65.9
-40°	62.6	62.9	63.2	63.4	63.7	63.9	64.2	64.4	64.6	64.7	64.9
-41.25°	62.1	62.2	62.5	62.7	63.0	63.2	63.4	63.6	63.8	64.0	64.1
-42.5°	61.8	61.9	62.0	62.1	62.2	62.5	62.7	62.9	63.0	63.2	63.3
-43.75°	61.4	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.6
-45°	60.7	61.0	61.2	61.4	61.6	61.7	61.7	61.8	61.9	62.0	62.0
-46.25°	60.0	60.2	60.5	60.7	60.9	61.1	61.3	61.5	61.6	61.6	61.7
-47.5°	59.6	59.7	59.8	60.0	60.2	60.4	60.5	60.7	60.9	61.0	61.1
-48.75°	59.2	59.4	59.5	59.6	59.7	59.8	59.8	59.9	60.1	60.2	60.3
-50°	58.4	58.8	59.1	59.2	59.3	59.4	59.5	59.5	59.6	59.7	59.7
-51.25°	57.4	57.7	58.0	58.3	58.6	58.8	59.0	59.2	59.2	59.3	59.3
-52.5°	56.0	56.5	56.9	57.2	57.4	57.7	57.9	58.1	58.3	58.5	58.6
-53.75°	54.2	54.7	55.2	55.6	56.0	56.4	56.8	56.9	57.1	57.3	57.4
-55°	52.4	52.9	53.3	53.8	54.2	54.5	54.9	55.2	55.5	55.7	56.0
-56.25°	50.6	51.1	51.5	51.9	52.3	52.6	53.0	53.3	53.5	53.8	54.0
-57.5°	48.8	49.2	49.6	50.0	50.4	50.7	51.0	51.3	51.6	51.8	52.0
-58.75°	47.0	47.4	47.8	48.1	48.5	48.8	49.1	49.4	49.6	49.9	50.1
-60°	45.1	45.5	45.9	46.3	46.6	46.9	47.2	47.5	47.7	47.9	48.1
-61.25°	42.8	43.3	43.8	44.3	44.7	45.0	45.3	45.5	45.7	45.9	46.1
-62.5°	40.2	40.7	41.2	41.6	42.0	42.4	42.8	43.1	43.4	43.7	43.9
-63.75°	37.2	37.8	38.4	39.0	39.4	39.8	40.1	40.4	40.7	40.9	41.2
-65°	33.9	34.5	35.0	35.6	36.0	36.5	36.9	37.3	37.6	37.9	38.2
-66.25°	30.9	31.3	31.7	32.2	32.6	33.0	33.4	33.8	34.1	34.4	34.7
-67.5°	28.3	28.7	29.1	29.4	29.8	30.1	30.4	30.6	30.9	31.1	31.3
-68.75°	25.7	26.1	26.5	26.8	27.1	27.4	27.7	27.9	28.1	28.3	28.5
-70°	23.1	23.5	23.8	24.1	24.4	24.7	25.0	25.2	25.4	25.6	25.8
-71.25°	20.6	20.9	21.2	21.5	21.8	22.0	22.3	22.5	22.7	22.8	23.0
-72.5°	19.2	19.4	19.5	19.7	19.8	19.9	20.1	20.2	20.3	20.4	20.4
-73.75°	17.7	17.9	18.1	18.2	18.3	18.4	18.6	18.7	18.8	18.8	18.9
-75°	16.9	17.0	17.1	17.1	17.2	17.3	17.3	17.4	17.4	17.5	17.5
-76.25°	16.2	16.3	16.3	16.4	16.4	16.5	16.5	16.6	16.6	16.7	16.7
-77.5°	15.2	15.3	15.4	15.4	15.5	15.6	15.7	15.7	15.8	15.8	15.9



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	14.1	14.1	14.2	14.3	14.4	14.4	14.5	14.5	14.6	14.6	14.7
-80°	12.5	12.6	12.7	12.9	13.0	13.0	13.1	13.2	13.3	13.4	13.4
-81.25°	10.6	10.7	10.9	10.9	11.0	11.1	11.2	11.3	11.3	11.4	11.4
-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°	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3
-86.25°	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
-87.5°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
-88.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
-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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
86.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
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°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
80°	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5
78.75°	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
77.5°	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
76.25°	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
75°	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
73.75°	19.0	19.0	19.1	19.1	19.1	19.1	19.2	19.1	19.1	19.1	19.1
72.5°	20.5	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.6
71.25°	23.1	23.2	23.3	23.4	23.5	23.5	23.5	23.5	23.5	23.4	23.3
70°	25.9	26.0	26.1	26.2	26.3	26.3	26.3	26.3	26.3	26.2	26.1
68.75°	28.7	28.8	28.9	29.0	29.1	29.1	29.1	29.1	29.1	29.0	28.9
67.5°	31.4	31.6	31.7	31.8	31.8	31.9	31.9	31.9	31.8	31.8	31.7
66.25°	34.9	35.1	35.2	35.3	35.4	35.5	35.5	35.5	35.4	35.3	35.2
65°	38.4	38.6	38.8	38.9	39.0	39.1	39.1	39.1	39.0	38.9	38.8
63.75°	41.4	41.5	41.7	41.8	41.8	41.9	41.9	41.9	41.8	41.8	41.7
62.5°	44.1	44.3	44.4	44.6	44.6	44.7	44.7	44.7	44.6	44.6	44.4
61.25°	46.3	46.4	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.6	46.5
60°	48.2	48.4	48.5	48.6	48.6	48.7	48.7	48.7	48.6	48.6	48.5
58.75°	50.2	50.4	50.5	50.6	50.6	50.7	50.7	50.7	50.6	50.6	50.5
57.5°	52.2	52.4	52.5	52.6	52.6	52.7	52.7	52.7	52.6	52.6	52.5
56.25°	54.2	54.3	54.5	54.6	54.6	54.7	54.7	54.7	54.6	54.6	54.5
55°	56.2	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.6	56.6	56.5
53.75°	57.6	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.8	57.7
52.5°	58.7	58.8	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.0	58.9
51.25°	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.4
50°	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.8
48.75°	60.4	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.6	60.6
47.5°	61.2	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.4	61.4
46.25°	61.7	61.8	61.8	61.8	61.8	61.8	61.9	61.8	61.8	61.8	61.8
45°	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.1
43.75°	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	62.9	62.9
42.5°	63.5	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.7	63.6
41.25°	64.2	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.5	64.4
40°	65.0	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.3	65.2
38.75°	66.2	66.5	66.7	66.8	66.9	67.0	67.0	67.0	66.9	66.8	66.7
37.5°	67.8	68.0	68.2	68.4	68.5	68.6	68.6	68.6	68.5	68.4	68.2
36.25°	70.5	71.1	71.7	72.1	72.4	72.5	72.6	72.5	72.4	72.1	71.7
35°	74.4	75.1	75.6	76.0	76.4	76.5	76.6	76.5	76.4	76.0	75.6



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	81.5	83.5	85.2	86.5	87.4	88.0	88.2	88.0	87.4	86.5	85.2
32.5°	92.7	94.9	96.6	98.0	99.0	99.6	99.8	99.6	99.0	98.0	96.6
31.25°	104.3	106.6	108.6	110.2	111.3	111.9	112.2	111.9	111.3	110.2	108.6
30°	116.2	118.7	120.8	122.4	123.6	124.3	124.5	124.3	123.6	122.4	120.8
28.75°	129.2	132.6	135.4	138.2	142.2	144.7	145.5	144.7	142.2	138.2	135.4
27.5°	156.0	165.2	176.0	188.8	198.1	203.6	205.5	203.6	198.1	188.8	176.0
26.25°	224.9	247.5	271.1	289.5	302.8	310.8	313.5	310.8	302.8	289.5	271.1
25°	334.6	369.3	398.4	421.2	437.7	447.6	450.9	447.6	437.7	421.2	398.4
23.75°	469.6	508.1	540.0	565.0	583.3	594.4	598.1	594.4	583.3	565.0	540.0
22.5°	609.5	651.0	685.4	710.7	728.8	739.7	743.4	739.7	728.8	710.7	685.4
21.25°	746.0	786.8	817.8	841.0	857.8	867.9	871.3	867.9	857.8	841.0	817.8
20°	865.9	902.5	930.0	951.7	967.4	976.8	980.0	976.8	967.4	951.7	930.0
18.75°	967.8	1007.3	1042.2	1069.7	1092.7	1108.9	1114.3	1108.9	1092.7	1069.7	1042.2
17.5°	1081.5	1141.4	1191.4	1235.4	1272.3	1294.6	1302.1	1294.6	1272.3	1235.4	1191.4
16.25°	1240.6	1322.8	1392.4	1459.6	1508.3	1537.9	1547.8	1537.9	1508.3	1459.6	1392.4
15°	1445.5	1553.7	1654.9	1744.1	1809.1	1848.6	1861.9	1848.6	1809.1	1744.1	1654.9
13.75°	1698.1	1841.3	1973.0	2080.1	2159.1	2211.1	2228.6	2211.1	2159.1	2080.1	1973.0
12.5°	1992.5	2164.7	2323.5	2451.3	2547.9	2607.2	2627.2	2607.2	2547.9	2451.3	2323.5
11.25°	2309.1	2513.3	2693.0	2842.0	2957.1	3027.8	3051.6	3027.8	2957.1	2842.0	2693.0
10°	2634.7	2868.3	3079.9	3254.5	3385.2	3465.8	3493.1	3465.8	3385.2	3254.5	3079.9
8.75°	2962.5	3231.4	3469.0	3662.2	3807.2	3896.9	3927.3	3896.9	3807.2	3662.2	3469.0
7.5°	3283.6	3579.6	3839.0	4054.7	4216.4	4311.4	4343.9	4311.4	4216.4	4054.7	3839.0
6.25°	3579.6	3899.7	4186.6	4411.9	4574.4	4669.9	4703.0	4669.9	4574.4	4411.9	4186.6
5°	3839.0	4186.6	4480.9	4703.7	4869.5	4974.8	5011.9	4974.8	4869.5	4703.7	4480.9
3.75°	4054.7	4411.9	4703.7	4939.0	5107.3	5213.1	5247.7	5213.1	5107.3	4939.0	4703.7
2.5°	4216.4	4574.4	4869.5	5107.3	5284.4	5398.2	5430.5	5398.2	5284.4	5107.3	4869.5
1.25°	4311.4	4669.9	4974.8	5213.1	5398.2	5504.6	5548.0	5504.6	5398.2	5213.1	4974.8
0°	4343.9	4703.0	5011.9	5247.7	5430.5	5548.0	5631.1	5548.0	5430.5	5247.7	5011.9
-1.25°	4311.4	4669.9	4974.8	5213.1	5398.2	5504.6	5548.0	5504.6	5398.2	5213.1	4974.8
-2.5°	4216.4	4574.4	4869.5	5107.3	5284.4	5398.2	5430.5	5398.2	5284.4	5107.3	4869.5
-3.75°	4054.7	4411.9	4703.7	4939.0	5107.3	5213.1	5247.7	5213.1	5107.3	4939.0	4703.7
-5°	3839.0	4186.6	4480.9	4703.7	4869.5	4974.8	5011.9	4974.8	4869.5	4703.7	4480.9
-6.25°	3579.6	3899.7	4186.6	4411.9	4574.4	4669.9	4703.0	4669.9	4574.4	4411.9	4186.6
-7.5°	3283.6	3579.6	3839.0	4054.7	4216.4	4311.4	4343.9	4311.4	4216.4	4054.7	3839.0
-8.75°	2962.5	3231.4	3469.0	3662.2	3807.2	3896.9	3927.3	3896.9	3807.2	3662.2	3469.0
-10°	2634.7	2868.3	3079.9	3254.5	3385.2	3465.8	3493.1	3465.8	3385.2	3254.5	3079.9
-11.25°	2309.1	2513.3	2693.0	2842.0	2957.1	3027.8	3051.6	3027.8	2957.1	2842.0	2693.0
-12.5°	1992.5	2164.7	2323.5	2451.3	2547.9	2607.2	2627.2	2607.2	2547.9	2451.3	2323.5
-13.75°	1698.1	1841.3	1973.0	2080.1	2159.1	2211.1	2228.6	2211.1	2159.1	2080.1	1973.0
-15°	1445.5	1553.7	1654.9	1744.1	1809.1	1848.6	1861.9	1848.6	1809.1	1744.1	1654.9
-16.25°	1240.6	1322.8	1392.4	1459.6	1508.3	1537.9	1547.8	1537.9	1508.3	1459.6	1392.4
-17.5°	1081.5	1141.4	1191.4	1235.4	1272.3	1294.6	1302.1	1294.6	1272.3	1235.4	1191.4
-18.75°	967.8	1007.3	1042.2	1069.7	1092.7	1108.9	1114.3	1108.9	1092.7	1069.7	1042.2
-20°	865.9	902.5	930.0	951.7	967.4	976.8	980.0	976.8	967.4	951.7	930.0
-21.25°	746.0	786.8	817.8	841.0	857.8	867.9	871.3	867.9	857.8	841.0	817.8





REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	609.5	651.0	685.4	710.7	728.8	739.7	743.4	739.7	728.8	710.7	685.4
-23.75°	469.6	508.1	540.0	565.0	583.3	594.4	598.1	594.4	583.3	565.0	540.0
-25°	334.6	369.3	398.4	421.2	437.7	447.6	450.9	447.6	437.7	421.2	398.4
-26.25°	224.9	247.5	271.1	289.5	302.8	310.8	313.5	310.8	302.8	289.5	271.1
-27.5°	156.0	165.2	176.0	188.8	198.1	203.6	205.5	203.6	198.1	188.8	176.0
-28.75°	129.2	132.6	135.4	138.2	142.2	144.7	145.5	144.7	142.2	138.2	135.4
-30°	116.2	118.7	120.8	122.4	123.6	124.3	124.5	124.3	123.6	122.4	120.8
-31.25°	104.3	106.6	108.6	110.2	111.3	111.9	112.2	111.9	111.3	110.2	108.6
-32.5°	92.7	94.9	96.6	98.0	99.0	99.6	99.8	99.6	99.0	98.0	96.6
-33.75°	81.5	83.5	85.2	86.5	87.4	88.0	88.2	88.0	87.4	86.5	85.2
-35°	74.4	75.1	75.6	76.0	76.4	76.5	76.6	76.5	76.4	76.0	75.6
-36.25°	70.5	71.1	71.7	72.1	72.4	72.5	72.6	72.5	72.4	72.1	71.7
-37.5°	67.8	68.0	68.2	68.4	68.5	68.6	68.6	68.6	68.5	68.4	68.2
-38.75°	66.2	66.5	66.7	66.8	66.9	67.0	67.0	67.0	66.9	66.8	66.7
-40°	65.0	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.3	65.2
-41.25°	64.2	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.5	64.4
-42.5°	63.5	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.7	63.6
-43.75°	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	62.9	62.9
-45°	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.1
-46.25°	61.7	61.8	61.8	61.8	61.8	61.8	61.9	61.8	61.8	61.8	61.8
-47.5°	61.2	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.4	61.4
-48.75°	60.4	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.6	60.6
-50°	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.8
-51.25°	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.4
-52.5°	58.7	58.8	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.0	58.9
-53.75°	57.6	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.8	57.7
-55°	56.2	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.6	56.6	56.5
-56.25°	54.2	54.3	54.5	54.6	54.6	54.7	54.7	54.7	54.6	54.6	54.5
-57.5°	52.2	52.4	52.5	52.6	52.6	52.7	52.7	52.7	52.6	52.6	52.5
-58.75°	50.2	50.4	50.5	50.6	50.6	50.7	50.7	50.7	50.6	50.6	50.5
-60°	48.2	48.4	48.5	48.6	48.6	48.7	48.7	48.7	48.6	48.6	48.5
-61.25°	46.3	46.4	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.6	46.5
-62.5°	44.1	44.3	44.4	44.6	44.6	44.7	44.7	44.7	44.6	44.6	44.4
-63.75°	41.4	41.5	41.7	41.8	41.8	41.9	41.9	41.9	41.8	41.8	41.7
-65°	38.4	38.6	38.8	38.9	39.0	39.1	39.1	39.1	39.0	38.9	38.8
-66.25°	34.9	35.1	35.2	35.3	35.4	35.5	35.5	35.5	35.4	35.3	35.2
-67.5°	31.4	31.6	31.7	31.8	31.8	31.9	31.9	31.9	31.8	31.8	31.7
-68.75°	28.7	28.8	28.9	29.0	29.1	29.1	29.1	29.1	29.1	29.0	28.9
-70°	25.9	26.0	26.1	26.2	26.3	26.3	26.3	26.3	26.3	26.2	26.1
-71.25°	23.1	23.2	23.3	23.4	23.5	23.5	23.5	23.5	23.5	23.4	23.3
-72.5°	20.5	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.6
-73.75°	19.0	19.0	19.1	19.1	19.1	19.1	19.2	19.1	19.1	19.1	19.1
-75°	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
-76.25°	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
-77.5°	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
-80°	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5
-81.25°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
-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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
-88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-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: P220460 (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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
87.5°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
86.25°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
85°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.1
83.75°	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.6
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°	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.0	10.9	10.9
80°	13.5	13.5	13.4	13.4	13.3	13.2	13.1	13.0	13.0	12.9	12.7
78.75°	14.7	14.7	14.7	14.6	14.6	14.5	14.5	14.4	14.4	14.3	14.2
77.5°	15.9	15.9	15.9	15.8	15.8	15.7	15.7	15.6	15.5	15.4	15.4
76.25°	16.7	16.7	16.7	16.7	16.6	16.6	16.5	16.5	16.4	16.4	16.3
75°	17.5	17.5	17.5	17.5	17.4	17.4	17.3	17.3	17.2	17.1	17.1
73.75°	19.0	19.0	18.9	18.8	18.8	18.7	18.6	18.4	18.3	18.2	18.1
72.5°	20.6	20.5	20.4	20.4	20.3	20.2	20.1	19.9	19.8	19.7	19.5
71.25°	23.2	23.1	23.0	22.8	22.7	22.5	22.3	22.0	21.8	21.5	21.2
70°	26.0	25.9	25.8	25.6	25.4	25.2	25.0	24.7	24.4	24.1	23.8
68.75°	28.8	28.7	28.5	28.3	28.1	27.9	27.7	27.4	27.1	26.8	26.5
67.5°	31.6	31.4	31.3	31.1	30.9	30.6	30.4	30.1	29.8	29.4	29.1
66.25°	35.1	34.9	34.7	34.4	34.1	33.8	33.4	33.0	32.6	32.2	31.7
65°	38.6	38.4	38.2	37.9	37.6	37.3	36.9	36.5	36.0	35.6	35.0
63.75°	41.5	41.4	41.2	40.9	40.7	40.4	40.1	39.8	39.4	39.0	38.4
62.5°	44.3	44.1	43.9	43.7	43.4	43.1	42.8	42.4	42.0	41.6	41.2
61.25°	46.4	46.3	46.1	45.9	45.7	45.5	45.3	45.0	44.7	44.3	43.8
60°	48.4	48.2	48.1	47.9	47.7	47.5	47.2	46.9	46.6	46.3	45.9
58.75°	50.4	50.2	50.1	49.9	49.6	49.4	49.1	48.8	48.5	48.1	47.8
57.5°	52.4	52.2	52.0	51.8	51.6	51.3	51.0	50.7	50.4	50.0	49.6
56.25°	54.3	54.2	54.0	53.8	53.5	53.3	53.0	52.6	52.3	51.9	51.5
55°	56.3	56.2	56.0	55.7	55.5	55.2	54.9	54.5	54.2	53.8	53.3
53.75°	57.7	57.6	57.4	57.3	57.1	56.9	56.8	56.4	56.0	55.6	55.2
52.5°	58.8	58.7	58.6	58.5	58.3	58.1	57.9	57.7	57.4	57.2	56.9
51.25°	59.4	59.4	59.3	59.3	59.2	59.2	59.0	58.8	58.6	58.3	58.0
50°	59.8	59.8	59.7	59.7	59.6	59.5	59.5	59.4	59.3	59.2	59.1
48.75°	60.5	60.4	60.3	60.2	60.1	59.9	59.8	59.8	59.7	59.6	59.5
47.5°	61.3	61.2	61.1	61.0	60.9	60.7	60.5	60.4	60.2	60.0	59.8
46.25°	61.8	61.7	61.7	61.6	61.6	61.5	61.3	61.1	60.9	60.7	60.5
45°	62.1	62.1	62.0	62.0	61.9	61.8	61.7	61.7	61.6	61.4	61.2
43.75°	62.8	62.7	62.6	62.4	62.3	62.2	62.1	62.0	61.9	61.8	61.7
42.5°	63.6	63.5	63.3	63.2	63.0	62.9	62.7	62.5	62.2	62.1	62.0
41.25°	64.4	64.2	64.1	64.0	63.8	63.6	63.4	63.2	63.0	62.7	62.5
40°	65.1	65.0	64.9	64.7	64.6	64.4	64.2	63.9	63.7	63.4	63.2
38.75°	66.5	66.2	65.9	65.6	65.3	65.1	64.9	64.7	64.4	64.2	63.9
37.5°	68.0	67.8	67.5	67.2	66.8	66.4	65.9	65.4	65.2	64.9	64.6
36.25°	71.1	70.5	69.7	68.9	68.3	67.9	67.4	66.9	66.3	65.8	65.3
35°	75.1	74.4	73.6	72.7	71.7	70.5	69.3	68.3	67.8	67.2	66.5



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	83.5	81.5	79.1	76.5	75.4	74.3	73.0	71.6	70.1	68.6	67.9
32.5°	94.9	92.7	90.2	87.3	84.1	80.6	76.7	75.2	73.6	72.0	70.2
31.25°	106.6	104.3	101.5	98.4	95.0	91.3	87.2	82.8	78.1	75.4	73.6
30°	118.7	116.2	113.3	109.9	106.2	102.0	97.6	93.1	88.2	82.9	77.4
28.75°	132.6	129.2	125.2	121.5	117.6	113.3	108.6	103.5	98.1	92.7	87.0
27.5°	165.2	156.0	145.3	135.7	130.3	124.5	119.5	114.2	108.5	102.5	96.4
26.25°	247.5	224.9	200.4	172.6	156.9	141.1	132.1	124.9	118.9	112.6	106.1
25°	369.3	334.6	299.6	259.7	222.2	186.3	159.6	140.4	130.5	122.6	115.8
23.75°	508.1	469.6	425.7	376.5	324.1	273.0	223.8	180.2	153.4	134.8	125.5
22.5°	651.0	609.5	561.3	507.6	448.1	385.1	320.1	258.0	205.1	162.7	138.2
21.25°	786.8	746.0	698.6	641.6	577.6	508.8	435.4	359.2	287.3	222.0	168.4
20°	902.5	865.9	822.2	769.1	706.4	634.2	555.3	472.7	387.7	305.1	230.4
18.75°	1007.3	967.8	927.2	879.5	821.9	753.5	675.4	587.1	495.6	402.1	311.0
17.5°	1141.4	1081.5	1029.9	973.4	920.1	857.6	785.4	699.6	603.3	503.3	402.1
16.25°	1322.8	1240.6	1161.5	1079.6	1012.4	946.3	879.4	801.2	707.4	603.3	495.6
15°	1553.7	1445.5	1334.1	1221.8	1124.8	1037.0	959.6	886.7	801.2	699.6	587.1
13.75°	1841.3	1698.1	1547.3	1400.3	1268.0	1147.9	1045.3	959.6	879.4	785.4	675.4
12.5°	2164.7	1992.5	1805.0	1611.9	1440.2	1283.5	1147.9	1037.0	946.3	857.6	753.5
11.25°	2513.3	2309.1	2087.3	1859.5	1637.8	1440.2	1268.0	1124.8	1012.4	920.1	821.9
10°	2868.3	2634.7	2383.2	2119.4	1859.5	1611.9	1400.3	1221.8	1079.6	973.4	879.5
8.75°	3231.4	2962.5	2676.0	2383.2	2087.3	1805.0	1547.3	1334.1	1161.5	1029.9	927.2
7.5°	3579.6	3283.6	2962.5	2634.7	2309.1	1992.5	1698.1	1445.5	1240.6	1081.5	967.8
6.25°	3899.7	3579.6	3231.4	2868.3	2513.3	2164.7	1841.3	1553.7	1322.8	1141.4	1007.3
5°	4186.6	3839.0	3469.0	3079.9	2693.0	2323.5	1973.0	1654.9	1392.4	1191.4	1042.2
3.75°	4411.9	4054.7	3662.2	3254.5	2842.0	2451.3	2080.1	1744.1	1459.6	1235.4	1069.7
2.5°	4574.4	4216.4	3807.2	3385.2	2957.1	2547.9	2159.1	1809.1	1508.3	1272.3	1092.7
1.25°	4669.9	4311.4	3896.9	3465.8	3027.8	2607.2	2211.1	1848.6	1537.9	1294.6	1108.9
0°	4703.0	4343.9	3927.3	3493.1	3051.6	2627.2	2228.6	1861.9	1547.8	1302.1	1114.3
-1.25°	4669.9	4311.4	3896.9	3465.8	3027.8	2607.2	2211.1	1848.6	1537.9	1294.6	1108.9
-2.5°	4574.4	4216.4	3807.2	3385.2	2957.1	2547.9	2159.1	1809.1	1508.3	1272.3	1092.7
-3.75°	4411.9	4054.7	3662.2	3254.5	2842.0	2451.3	2080.1	1744.1	1459.6	1235.4	1069.7
-5°	4186.6	3839.0	3469.0	3079.9	2693.0	2323.5	1973.0	1654.9	1392.4	1191.4	1042.2
-6.25°	3899.7	3579.6	3231.4	2868.3	2513.3	2164.7	1841.3	1553.7	1322.8	1141.4	1007.3
-7.5°	3579.6	3283.6	2962.5	2634.7	2309.1	1992.5	1698.1	1445.5	1240.6	1081.5	967.8
-8.75°	3231.4	2962.5	2676.0	2383.2	2087.3	1805.0	1547.3	1334.1	1161.5	1029.9	927.2
-10°	2868.3	2634.7	2383.2	2119.4	1859.5	1611.9	1400.3	1221.8	1079.6	973.4	879.5
-11.25°	2513.3	2309.1	2087.3	1859.5	1637.8	1440.2	1268.0	1124.8	1012.4	920.1	821.9
-12.5°	2164.7	1992.5	1805.0	1611.9	1440.2	1283.5	1147.9	1037.0	946.3	857.6	753.5
-13.75°	1841.3	1698.1	1547.3	1400.3	1268.0	1147.9	1045.3	959.6	879.4	785.4	675.4
-15°	1553.7	1445.5	1334.1	1221.8	1124.8	1037.0	959.6	886.7	801.2	699.6	587.1
-16.25°	1322.8	1240.6	1161.5	1079.6	1012.4	946.3	879.4	801.2	707.4	603.3	495.6
-17.5°	1141.4	1081.5	1029.9	973.4	920.1	857.6	785.4	699.6	603.3	503.3	402.1
-18.75°	1007.3	967.8	927.2	879.5	821.9	753.5	675.4	587.1	495.6	402.1	311.0
-20°	902.5	865.9	822.2	769.1	706.4	634.2	555.3	472.7	387.7	305.1	230.4
-21.25°	786.8	746.0	698.6	641.6	577.6	508.8	435.4	359.2	287.3	222.0	168.4



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	651.0	609.5	561.3	507.6	448.1	385.1	320.1	258.0	205.1	162.7	138.2
-23.75°	508.1	469.6	425.7	376.5	324.1	273.0	223.8	180.2	153.4	134.8	125.5
-25°	369.3	334.6	299.6	259.7	222.2	186.3	159.6	140.4	130.5	122.6	115.8
-26.25°	247.5	224.9	200.4	172.6	156.9	141.1	132.1	124.9	118.9	112.6	106.1
-27.5°	165.2	156.0	145.3	135.7	130.3	124.5	119.5	114.2	108.5	102.5	96.4
-28.75°	132.6	129.2	125.2	121.5	117.6	113.3	108.6	103.5	98.1	92.7	87.0
-30°	118.7	116.2	113.3	109.9	106.2	102.0	97.6	93.1	88.2	82.9	77.4
-31.25°	106.6	104.3	101.5	98.4	95.0	91.3	87.2	82.8	78.1	75.4	73.6
-32.5°	94.9	92.7	90.2	87.3	84.1	80.6	76.7	75.2	73.6	72.0	70.2
-33.75°	83.5	81.5	79.1	76.5	75.4	74.3	73.0	71.6	70.1	68.6	67.9
-35°	75.1	74.4	73.6	72.7	71.7	70.5	69.3	68.3	67.8	67.2	66.5
-36.25°	71.1	70.5	69.7	68.9	68.3	67.9	67.4	66.9	66.3	65.8	65.3
-37.5°	68.0	67.8	67.5	67.2	66.8	66.4	65.9	65.4	65.2	64.9	64.6
-38.75°	66.5	66.2	65.9	65.6	65.3	65.1	64.9	64.7	64.4	64.2	63.9
-40°	65.1	65.0	64.9	64.7	64.6	64.4	64.2	63.9	63.7	63.4	63.2
-41.25°	64.4	64.2	64.1	64.0	63.8	63.6	63.4	63.2	63.0	62.7	62.5
-42.5°	63.6	63.5	63.3	63.2	63.0	62.9	62.7	62.5	62.2	62.1	62.0
-43.75°	62.8	62.7	62.6	62.4	62.3	62.2	62.1	62.0	61.9	61.8	61.7
-45°	62.1	62.1	62.0	62.0	61.9	61.8	61.7	61.7	61.6	61.4	61.2
-46.25°	61.8	61.7	61.7	61.6	61.6	61.5	61.3	61.1	60.9	60.7	60.5
-47.5°	61.3	61.2	61.1	61.0	60.9	60.7	60.5	60.4	60.2	60.0	59.8
-48.75°	60.5	60.4	60.3	60.2	60.1	59.9	59.8	59.8	59.7	59.6	59.5
-50°	59.8	59.8	59.7	59.7	59.6	59.5	59.5	59.4	59.3	59.2	59.1
-51.25°	59.4	59.4	59.3	59.3	59.2	59.2	59.0	58.8	58.6	58.3	58.0
-52.5°	58.8	58.7	58.6	58.5	58.3	58.1	57.9	57.7	57.4	57.2	56.9
-53.75°	57.7	57.6	57.4	57.3	57.1	56.9	56.8	56.4	56.0	55.6	55.2
-55°	56.3	56.2	56.0	55.7	55.5	55.2	54.9	54.5	54.2	53.8	53.3
-56.25°	54.3	54.2	54.0	53.8	53.5	53.3	53.0	52.6	52.3	51.9	51.5
-57.5°	52.4	52.2	52.0	51.8	51.6	51.3	51.0	50.7	50.4	50.0	49.6
-58.75°	50.4	50.2	50.1	49.9	49.6	49.4	49.1	48.8	48.5	48.1	47.8
-60°	48.4	48.2	48.1	47.9	47.7	47.5	47.2	46.9	46.6	46.3	45.9
-61.25°	46.4	46.3	46.1	45.9	45.7	45.5	45.3	45.0	44.7	44.3	43.8
-62.5°	44.3	44.1	43.9	43.7	43.4	43.1	42.8	42.4	42.0	41.6	41.2
-63.75°	41.5	41.4	41.2	40.9	40.7	40.4	40.1	39.8	39.4	39.0	38.4
-65°	38.6	38.4	38.2	37.9	37.6	37.3	36.9	36.5	36.0	35.6	35.0
-66.25°	35.1	34.9	34.7	34.4	34.1	33.8	33.4	33.0	32.6	32.2	31.7
-67.5°	31.6	31.4	31.3	31.1	30.9	30.6	30.4	30.1	29.8	29.4	29.1
-68.75°	28.8	28.7	28.5	28.3	28.1	27.9	27.7	27.4	27.1	26.8	26.5
-70°	26.0	25.9	25.8	25.6	25.4	25.2	25.0	24.7	24.4	24.1	23.8
-71.25°	23.2	23.1	23.0	22.8	22.7	22.5	22.3	22.0	21.8	21.5	21.2
-72.5°	20.6	20.5	20.4	20.4	20.3	20.2	20.1	19.9	19.8	19.7	19.5
-73.75°	19.0	19.0	18.9	18.8	18.8	18.7	18.6	18.4	18.3	18.2	18.1
-75°	17.5	17.5	17.5	17.5	17.4	17.4	17.3	17.3	17.2	17.1	17.1
-76.25°	16.7	16.7	16.7	16.7	16.6	16.6	16.5	16.5	16.4	16.4	16.3
-77.5°	15.9	15.9	15.9	15.8	15.8	15.7	15.7	15.6	15.5	15.4	15.4



REPORT NUMBER: P220460 (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°	14.7	14.7	14.7	14.6	14.6	14.5	14.5	14.4	14.4	14.3	14.2
-80°	13.5	13.5	13.4	13.4	13.3	13.2	13.1	13.0	13.0	12.9	12.7
-81.25°	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.0	10.9	10.9
-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	6.3	6.2	6.2	6.2	6.1	6.1	6.1
-86.25°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
-87.5°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
-88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
87.5°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
86.25°	4.5	4.5	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.0
85°	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4
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°	10.7	10.6	10.5	10.4	10.3	10.1	10.0	9.9	9.7	9.6	9.4
80°	12.6	12.5	12.4	12.2	12.1	11.9	11.8	11.6	11.4	11.3	11.1
78.75°	14.1	14.1	14.0	13.9	13.8	13.7	13.5	13.4	13.2	13.0	12.8
77.5°	15.3	15.2	15.1	15.0	14.9	14.7	14.6	14.5	14.4	14.2	14.1
76.25°	16.3	16.2	16.1	16.0	15.9	15.8	15.7	15.5	15.4	15.3	15.1
75°	17.0	16.9	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1
73.75°	17.9	17.7	17.6	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.7
72.5°	19.4	19.2	19.0	18.8	18.6	18.4	18.2	18.0	17.7	17.5	17.4
71.25°	20.9	20.6	20.4	20.2	20.0	19.8	19.5	19.3	19.0	18.8	18.5
70°	23.5	23.1	22.8	22.4	21.9	21.5	21.1	20.6	20.4	20.1	19.8
68.75°	26.1	25.7	25.3	24.9	24.5	24.0	23.5	23.0	22.5	21.9	21.4
67.5°	28.7	28.3	27.9	27.4	27.0	26.5	25.9	25.4	24.9	24.3	23.7
66.25°	31.3	30.9	30.4	30.0	29.5	28.9	28.4	27.8	27.2	26.6	26.0
65°	34.5	33.9	33.3	32.6	32.0	31.4	30.8	30.2	29.6	28.9	28.3
63.75°	37.8	37.2	36.6	35.9	35.2	34.4	33.6	32.8	32.0	31.3	30.6
62.5°	40.7	40.2	39.7	39.1	38.3	37.6	36.7	35.9	35.0	34.1	33.1
61.25°	43.3	42.8	42.2	41.6	41.0	40.3	39.7	38.9	38.0	37.0	36.0
60°	45.5	45.1	44.7	44.1	43.5	42.8	42.1	41.3	40.6	39.8	38.9
58.75°	47.4	47.0	46.5	46.1	45.6	45.1	44.5	43.7	42.9	42.1	41.2
57.5°	49.2	48.8	48.3	47.8	47.3	46.8	46.2	45.7	45.1	44.4	43.5
56.25°	51.1	50.6	50.1	49.6	49.1	48.5	47.9	47.3	46.7	46.1	45.4
55°	52.9	52.4	51.9	51.4	50.8	50.2	49.6	49.0	48.4	47.7	47.0
53.75°	54.7	54.2	53.7	53.1	52.5	51.9	51.3	50.7	50.0	49.3	48.6
52.5°	56.5	56.0	55.5	54.9	54.3	53.6	53.0	52.3	51.6	50.9	50.1
51.25°	57.7	57.4	57.0	56.6	56.0	55.3	54.7	54.0	53.2	52.5	51.7
50°	58.8	58.4	58.1	57.7	57.3	56.9	56.3	55.6	54.8	54.0	53.2
48.75°	59.4	59.2	59.1	58.7	58.3	57.9	57.5	57.0	56.4	55.6	54.8
47.5°	59.7	59.6	59.5	59.3	59.2	58.9	58.4	58.0	57.5	57.0	56.3
46.25°	60.2	60.0	59.8	59.7	59.5	59.4	59.2	58.9	58.4	57.9	57.3
45°	61.0	60.7	60.4	60.1	59.9	59.7	59.5	59.4	59.2	58.8	58.2
43.75°	61.6	61.4	61.1	60.8	60.5	60.1	59.9	59.7	59.5	59.3	59.1
42.5°	61.9	61.8	61.6	61.5	61.1	60.8	60.4	60.1	59.8	59.6	59.4
41.25°	62.2	62.1	61.9	61.8	61.6	61.4	61.1	60.7	60.3	59.9	59.7
40°	62.9	62.6	62.2	62.1	61.9	61.8	61.6	61.3	60.9	60.5	60.1
38.75°	63.6	63.2	62.9	62.6	62.2	62.0	61.9	61.7	61.5	61.1	60.6
37.5°	64.2	63.9	63.6	63.2	62.8	62.4	62.1	61.9	61.8	61.6	61.2
36.25°	64.9	64.6	64.2	63.8	63.5	63.0	62.6	62.2	62.0	61.8	61.6
35°	65.8	65.3	64.9	64.5	64.1	63.7	63.2	62.8	62.3	62.0	61.8



REPORT NUMBER: P220460 (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°	67.2	66.4	65.6	65.1	64.7	64.3	63.8	63.4	62.9	62.4	62.1
32.5°	68.5	67.7	66.9	66.1	65.3	64.9	64.4	63.9	63.4	62.9	62.4
31.25°	71.6	69.6	68.2	67.3	66.4	65.5	65.0	64.5	64.0	63.5	62.9
30°	74.9	72.8	70.6	68.5	67.6	66.6	65.6	65.0	64.5	64.0	63.4
28.75°	81.0	76.0	73.7	71.4	69.0	67.8	66.7	65.7	65.0	64.5	63.9
27.5°	90.2	83.7	76.9	74.3	71.8	69.3	67.8	66.7	65.6	65.0	64.4
26.25°	99.2	92.5	85.5	78.2	74.6	72.0	69.3	67.8	66.6	65.5	64.9
25°	108.6	101.2	93.8	86.4	78.7	74.6	71.8	69.0	67.6	66.4	65.3
23.75°	117.9	110.2	102.2	94.3	86.4	78.2	74.3	71.4	68.5	67.3	66.1
22.5°	127.6	118.9	110.7	102.2	93.8	85.5	76.9	73.7	70.6	68.2	66.9
21.25°	141.9	128.4	118.9	110.2	101.2	92.5	83.7	76.0	72.8	69.6	67.7
20°	170.6	141.9	127.6	117.9	108.6	99.2	90.2	81.0	74.9	71.6	68.5
18.75°	230.4	168.4	138.2	125.5	115.8	106.1	96.4	87.0	77.4	73.6	70.2
17.5°	305.1	222.0	162.7	134.8	122.6	112.6	102.5	92.7	82.9	75.4	72.0
16.25°	387.7	287.3	205.1	153.4	130.5	118.9	108.5	98.1	88.2	78.1	73.6
15°	472.7	359.2	258.0	180.2	140.4	124.9	114.2	103.5	93.1	82.8	75.2
13.75°	555.3	435.4	320.1	223.8	159.6	132.1	119.5	108.6	97.6	87.2	76.7
12.5°	634.2	508.8	385.1	273.0	186.3	141.1	124.5	113.3	102.0	91.3	80.6
11.25°	706.4	577.6	448.1	324.1	222.2	156.9	130.3	117.6	106.2	95.0	84.1
10°	769.1	641.6	507.6	376.5	259.7	172.6	135.7	121.5	109.9	98.4	87.3
8.75°	822.2	698.6	561.3	425.7	299.6	200.4	145.3	125.2	113.3	101.5	90.2
7.5°	865.9	746.0	609.5	469.6	334.6	224.9	156.0	129.2	116.2	104.3	92.7
6.25°	902.5	786.8	651.0	508.1	369.3	247.5	165.2	132.6	118.7	106.6	94.9
5°	930.0	817.8	685.4	540.0	398.4	271.1	176.0	135.4	120.8	108.6	96.6
3.75°	951.7	841.0	710.7	565.0	421.2	289.5	188.8	138.2	122.4	110.2	98.0
2.5°	967.4	857.8	728.8	583.3	437.7	302.8	198.1	142.2	123.6	111.3	99.0
1.25°	976.8	867.9	739.7	594.4	447.6	310.8	203.6	144.7	124.3	111.9	99.6
0°	980.0	871.3	743.4	598.1	450.9	313.5	205.5	145.5	124.5	112.2	99.8
-1.25°	976.8	867.9	739.7	594.4	447.6	310.8	203.6	144.7	124.3	111.9	99.6
-2.5°	967.4	857.8	728.8	583.3	437.7	302.8	198.1	142.2	123.6	111.3	99.0
-3.75°	951.7	841.0	710.7	565.0	421.2	289.5	188.8	138.2	122.4	110.2	98.0
-5°	930.0	817.8	685.4	540.0	398.4	271.1	176.0	135.4	120.8	108.6	96.6
-6.25°	902.5	786.8	651.0	508.1	369.3	247.5	165.2	132.6	118.7	106.6	94.9
-7.5°	865.9	746.0	609.5	469.6	334.6	224.9	156.0	129.2	116.2	104.3	92.7
-8.75°	822.2	698.6	561.3	425.7	299.6	200.4	145.3	125.2	113.3	101.5	90.2
-10°	769.1	641.6	507.6	376.5	259.7	172.6	135.7	121.5	109.9	98.4	87.3
-11.25°	706.4	577.6	448.1	324.1	222.2	156.9	130.3	117.6	106.2	95.0	84.1
-12.5°	634.2	508.8	385.1	273.0	186.3	141.1	124.5	113.3	102.0	91.3	80.6
-13.75°	555.3	435.4	320.1	223.8	159.6	132.1	119.5	108.6	97.6	87.2	76.7
-15°	472.7	359.2	258.0	180.2	140.4	124.9	114.2	103.5	93.1	82.8	75.2
-16.25°	387.7	287.3	205.1	153.4	130.5	118.9	108.5	98.1	88.2	78.1	73.6
-17.5°	305.1	222.0	162.7	134.8	122.6	112.6	102.5	92.7	82.9	75.4	72.0
-18.75°	230.4	168.4	138.2	125.5	115.8	106.1	96.4	87.0	77.4	73.6	70.2
-20°	170.6	141.9	127.6	117.9	108.6	99.2	90.2	81.0	74.9	71.6	68.5
-21.25°	141.9	128.4	118.9	110.2	101.2	92.5	83.7	76.0	72.8	69.6	67.7





REPORT NUMBER: P220460 (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°
-22.5°	127.6	118.9	110.7	102.2	93.8	85.5	76.9	73.7	70.6	68.2	66.9
-23.75°	117.9	110.2	102.2	94.3	86.4	78.2	74.3	71.4	68.5	67.3	66.1
-25°	108.6	101.2	93.8	86.4	78.7	74.6	71.8	69.0	67.6	66.4	65.3
-26.25°	99.2	92.5	85.5	78.2	74.6	72.0	69.3	67.8	66.6	65.5	64.9
-27.5°	90.2	83.7	76.9	74.3	71.8	69.3	67.8	66.7	65.6	65.0	64.4
-28.75°	81.0	76.0	73.7	71.4	69.0	67.8	66.7	65.7	65.0	64.5	63.9
-30°	74.9	72.8	70.6	68.5	67.6	66.6	65.6	65.0	64.5	64.0	63.4
-31.25°	71.6	69.6	68.2	67.3	66.4	65.5	65.0	64.5	64.0	63.5	62.9
-32.5°	68.5	67.7	66.9	66.1	65.3	64.9	64.4	63.9	63.4	62.9	62.4
-33.75°	67.2	66.4	65.6	65.1	64.7	64.3	63.8	63.4	62.9	62.4	62.1
-35°	65.8	65.3	64.9	64.5	64.1	63.7	63.2	62.8	62.3	62.0	61.8
-36.25°	64.9	64.6	64.2	63.8	63.5	63.0	62.6	62.2	62.0	61.8	61.6
-37.5°	64.2	63.9	63.6	63.2	62.8	62.4	62.1	61.9	61.8	61.6	61.2
-38.75°	63.6	63.2	62.9	62.6	62.2	62.0	61.9	61.7	61.5	61.1	60.6
-40°	62.9	62.6	62.2	62.1	61.9	61.8	61.6	61.3	60.9	60.5	60.1
-41.25°	62.2	62.1	61.9	61.8	61.6	61.4	61.1	60.7	60.3	59.9	59.7
-42.5°	61.9	61.8	61.6	61.5	61.1	60.8	60.4	60.1	59.8	59.6	59.4
-43.75°	61.6	61.4	61.1	60.8	60.5	60.1	59.9	59.7	59.5	59.3	59.1
-45°	61.0	60.7	60.4	60.1	59.9	59.7	59.5	59.4	59.2	58.8	58.2
-46.25°	60.2	60.0	59.8	59.7	59.5	59.4	59.2	58.9	58.4	57.9	57.3
-47.5°	59.7	59.6	59.5	59.3	59.2	58.9	58.4	58.0	57.5	57.0	56.3
-48.75°	59.4	59.2	59.1	58.7	58.3	57.9	57.5	57.0	56.4	55.6	54.8
-50°	58.8	58.4	58.1	57.7	57.3	56.9	56.3	55.6	54.8	54.0	53.2
-51.25°	57.7	57.4	57.0	56.6	56.0	55.3	54.7	54.0	53.2	52.5	51.7
-52.5°	56.5	56.0	55.5	54.9	54.3	53.6	53.0	52.3	51.6	50.9	50.1
-53.75°	54.7	54.2	53.7	53.1	52.5	51.9	51.3	50.7	50.0	49.3	48.6
-55°	52.9	52.4	51.9	51.4	50.8	50.2	49.6	49.0	48.4	47.7	47.0
-56.25°	51.1	50.6	50.1	49.6	49.1	48.5	47.9	47.3	46.7	46.1	45.4
-57.5°	49.2	48.8	48.3	47.8	47.3	46.8	46.2	45.7	45.1	44.4	43.5
-58.75°	47.4	47.0	46.5	46.1	45.6	45.1	44.5	43.7	42.9	42.1	41.2
-60°	45.5	45.1	44.7	44.1	43.5	42.8	42.1	41.3	40.6	39.8	38.9
-61.25°	43.3	42.8	42.2	41.6	41.0	40.3	39.7	38.9	38.0	37.0	36.0
-62.5°	40.7	40.2	39.7	39.1	38.3	37.6	36.7	35.9	35.0	34.1	33.1
-63.75°	37.8	37.2	36.6	35.9	35.2	34.4	33.6	32.8	32.0	31.3	30.6
-65°	34.5	33.9	33.3	32.6	32.0	31.4	30.8	30.2	29.6	28.9	28.3
-66.25°	31.3	30.9	30.4	30.0	29.5	28.9	28.4	27.8	27.2	26.6	26.0
-67.5°	28.7	28.3	27.9	27.4	27.0	26.5	25.9	25.4	24.9	24.3	23.7
-68.75°	26.1	25.7	25.3	24.9	24.5	24.0	23.5	23.0	22.5	21.9	21.4
-70°	23.5	23.1	22.8	22.4	21.9	21.5	21.1	20.6	20.4	20.1	19.8
-71.25°	20.9	20.6	20.4	20.2	20.0	19.8	19.5	19.3	19.0	18.8	18.5
-72.5°	19.4	19.2	19.0	18.8	18.6	18.4	18.2	18.0	17.7	17.5	17.4
-73.75°	17.9	17.7	17.6	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.7
-75°	17.0	16.9	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1
-76.25°	16.3	16.2	16.1	16.0	15.9	15.8	15.7	15.5	15.4	15.3	15.1
-77.5°	15.3	15.2	15.1	15.0	14.9	14.7	14.6	14.5	14.4	14.2	14.1



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	14.1	14.1	14.0	13.9	13.8	13.7	13.5	13.4	13.2	13.0	12.8
-80°	12.6	12.5	12.4	12.2	12.1	11.9	11.8	11.6	11.4	11.3	11.1
-81.25°	10.7	10.6	10.5	10.4	10.3	10.1	10.0	9.9	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°	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4
-86.25°	4.5	4.5	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.0
-87.5°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
-88.75°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
-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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
87.5°	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.2
86.25°	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3
85°	5.3	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
83.75°	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.5
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°	10.9	10.7	10.5	10.3	10.1	9.8	9.6	9.4	9.2	9.0	8.8
78.75°	12.5	12.3	12.1	11.8	11.6	11.4	11.1	10.8	10.6	10.3	10.0
77.5°	14.0	13.8	13.7	13.4	13.1	12.9	12.6	12.3	12.0	11.7	11.4
76.25°	14.9	14.8	14.6	14.4	14.3	14.1	13.9	13.7	13.4	13.1	12.7
75°	15.9	15.8	15.6	15.4	15.2	15.0	14.8	14.6	14.3	14.1	13.9
73.75°	16.6	16.5	16.3	16.2	16.1	15.9	15.7	15.4	15.2	15.0	14.7
72.5°	17.3	17.1	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.5
71.25°	18.2	17.9	17.6	17.5	17.3	17.1	17.0	16.8	16.6	16.4	16.2
70°	19.5	19.2	18.9	18.5	18.2	17.8	17.5	17.3	17.2	17.0	16.8
68.75°	20.8	20.4	20.1	19.7	19.4	19.0	18.6	18.2	17.8	17.5	17.3
67.5°	23.1	22.4	21.8	21.1	20.5	20.1	19.7	19.3	18.9	18.5	18.0
66.25°	25.3	24.6	24.0	23.2	22.5	21.8	21.0	20.4	20.0	19.5	19.1
65°	27.6	26.9	26.1	25.4	24.6	23.8	23.0	22.2	21.3	20.6	20.1
63.75°	29.8	29.1	28.3	27.5	26.7	25.9	25.0	24.1	23.2	22.3	21.4
62.5°	32.1	31.3	30.5	29.6	28.8	27.9	27.0	26.1	25.1	24.2	23.2
61.25°	35.0	33.9	32.8	31.7	30.9	29.9	29.0	28.0	27.0	26.0	25.0
60°	37.8	36.7	35.6	34.4	33.2	32.0	31.0	30.0	28.9	27.9	26.8
58.75°	40.3	39.4	38.3	37.1	35.8	34.5	33.2	31.9	30.8	29.7	28.6
57.5°	42.5	41.6	40.6	39.6	38.4	37.1	35.7	34.3	32.9	31.5	30.4
56.25°	44.7	43.7	42.7	41.7	40.6	39.5	38.2	36.7	35.2	33.7	32.2
55°	46.3	45.5	44.8	43.7	42.6	41.5	40.3	39.1	37.6	36.0	34.4
53.75°	47.8	47.1	46.3	45.5	44.6	43.4	42.2	41.0	39.7	38.3	36.6
52.5°	49.4	48.6	47.7	46.9	46.1	45.2	44.1	42.8	41.5	40.2	38.8
51.25°	50.9	50.1	49.2	48.3	47.5	46.5	45.6	44.7	43.3	41.9	40.6
50°	52.4	51.5	50.7	49.8	48.8	47.9	46.9	46.0	45.0	43.7	42.2
48.75°	53.9	53.0	52.1	51.2	50.2	49.2	48.2	47.2	46.2	45.2	43.9
47.5°	55.4	54.5	53.5	52.6	51.6	50.6	49.5	48.5	47.4	46.4	45.3
46.25°	56.8	55.9	54.9	53.9	52.9	51.9	50.8	49.7	48.6	47.5	46.4
45°	57.7	57.1	56.3	55.3	54.2	53.2	52.1	51.0	49.8	48.7	47.5
43.75°	58.5	57.9	57.3	56.6	55.6	54.5	53.3	52.2	51.0	49.8	48.6
42.5°	59.2	58.8	58.1	57.5	56.8	55.7	54.6	53.4	52.2	51.0	49.7
41.25°	59.5	59.3	58.9	58.3	57.6	56.9	55.8	54.6	53.3	52.1	50.8
40°	59.8	59.5	59.3	59.0	58.3	57.6	56.9	55.7	54.5	53.2	51.9
38.75°	60.2	59.8	59.6	59.3	59.1	58.3	57.6	56.8	55.6	54.2	52.9
37.5°	60.7	60.2	59.8	59.6	59.3	59.0	58.3	57.5	56.6	55.3	53.9
36.25°	61.2	60.8	60.3	59.8	59.6	59.3	58.9	58.1	57.3	56.3	54.9
35°	61.6	61.3	60.8	60.2	59.8	59.5	59.3	58.8	57.9	57.1	55.9



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	61.8	61.6	61.2	60.7	60.2	59.8	59.5	59.2	58.5	57.7	56.8
32.5°	62.1	61.8	61.6	61.2	60.6	60.1	59.7	59.4	59.1	58.2	57.3
31.25°	62.4	62.0	61.8	61.6	61.1	60.5	59.9	59.6	59.3	58.8	57.9
30°	62.9	62.3	62.0	61.8	61.5	60.9	60.3	59.8	59.5	59.2	58.4
28.75°	63.4	62.8	62.2	61.9	61.7	61.3	60.7	60.1	59.7	59.4	58.9
27.5°	63.8	63.2	62.6	62.1	61.9	61.6	61.1	60.4	59.9	59.5	59.2
26.25°	64.3	63.7	63.0	62.4	62.0	61.8	61.4	60.8	60.1	59.7	59.4
25°	64.7	64.1	63.5	62.8	62.2	61.9	61.6	61.1	60.5	59.9	59.5
23.75°	65.1	64.5	63.8	63.2	62.6	62.1	61.8	61.5	60.8	60.1	59.7
22.5°	65.6	64.9	64.2	63.6	62.9	62.2	61.9	61.6	61.1	60.4	59.8
21.25°	66.4	65.3	64.6	63.9	63.2	62.6	62.1	61.8	61.4	60.7	60.0
20°	67.2	65.8	64.9	64.2	63.6	62.9	62.2	61.9	61.6	61.0	60.2
18.75°	67.9	66.5	65.3	64.6	63.9	63.2	62.5	62.0	61.7	61.2	60.5
17.5°	68.6	67.2	65.8	64.9	64.2	63.4	62.7	62.1	61.8	61.4	60.7
16.25°	70.1	67.8	66.3	65.2	64.4	63.7	63.0	62.2	61.9	61.6	60.9
15°	71.6	68.3	66.9	65.4	64.7	63.9	63.2	62.5	62.0	61.7	61.1
13.75°	73.0	69.3	67.4	65.9	64.9	64.2	63.4	62.7	62.1	61.7	61.3
12.5°	74.3	70.5	67.9	66.4	65.1	64.4	63.6	62.9	62.2	61.8	61.5
11.25°	75.4	71.7	68.3	66.8	65.3	64.6	63.8	63.0	62.3	61.9	61.6
10°	76.5	72.7	68.9	67.2	65.6	64.7	64.0	63.2	62.4	62.0	61.6
8.75°	79.1	73.6	69.7	67.5	65.9	64.9	64.1	63.3	62.6	62.0	61.7
7.5°	81.5	74.4	70.5	67.8	66.2	65.0	64.2	63.5	62.7	62.1	61.7
6.25°	83.5	75.1	71.1	68.0	66.5	65.1	64.4	63.6	62.8	62.1	61.8
5°	85.2	75.6	71.7	68.2	66.7	65.2	64.4	63.6	62.9	62.1	61.8
3.75°	86.5	76.0	72.1	68.4	66.8	65.3	64.5	63.7	62.9	62.2	61.8
2.5°	87.4	76.4	72.4	68.5	66.9	65.4	64.6	63.8	63.0	62.2	61.8
1.25°	88.0	76.5	72.5	68.6	67.0	65.4	64.6	63.8	63.0	62.2	61.8
0°	88.2	76.6	72.6	68.6	67.0	65.4	64.6	63.8	63.0	62.2	61.9
-1.25°	88.0	76.5	72.5	68.6	67.0	65.4	64.6	63.8	63.0	62.2	61.8
-2.5°	87.4	76.4	72.4	68.5	66.9	65.4	64.6	63.8	63.0	62.2	61.8
-3.75°	86.5	76.0	72.1	68.4	66.8	65.3	64.5	63.7	62.9	62.2	61.8
-5°	85.2	75.6	71.7	68.2	66.7	65.2	64.4	63.6	62.9	62.1	61.8
-6.25°	83.5	75.1	71.1	68.0	66.5	65.1	64.4	63.6	62.8	62.1	61.8
-7.5°	81.5	74.4	70.5	67.8	66.2	65.0	64.2	63.5	62.7	62.1	61.7
-8.75°	79.1	73.6	69.7	67.5	65.9	64.9	64.1	63.3	62.6	62.0	61.7
-10°	76.5	72.7	68.9	67.2	65.6	64.7	64.0	63.2	62.4	62.0	61.6
-11.25°	75.4	71.7	68.3	66.8	65.3	64.6	63.8	63.0	62.3	61.9	61.6
-12.5°	74.3	70.5	67.9	66.4	65.1	64.4	63.6	62.9	62.2	61.8	61.5
-13.75°	73.0	69.3	67.4	65.9	64.9	64.2	63.4	62.7	62.1	61.7	61.3
-15°	71.6	68.3	66.9	65.4	64.7	63.9	63.2	62.5	62.0	61.7	61.1
-16.25°	70.1	67.8	66.3	65.2	64.4	63.7	63.0	62.2	61.9	61.6	60.9
-17.5°	68.6	67.2	65.8	64.9	64.2	63.4	62.7	62.1	61.8	61.4	60.7
-18.75°	67.9	66.5	65.3	64.6	63.9	63.2	62.5	62.0	61.7	61.2	60.5
-20°	67.2	65.8	64.9	64.2	63.6	62.9	62.2	61.9	61.6	61.0	60.2
-21.25°	66.4	65.3	64.6	63.9	63.2	62.6	62.1	61.8	61.4	60.7	60.0

REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	65.6	64.9	64.2	63.6	62.9	62.2	61.9	61.6	61.1	60.4	59.8
-23.75°	65.1	64.5	63.8	63.2	62.6	62.1	61.8	61.5	60.8	60.1	59.7
-25°	64.7	64.1	63.5	62.8	62.2	61.9	61.6	61.1	60.5	59.9	59.5
-26.25°	64.3	63.7	63.0	62.4	62.0	61.8	61.4	60.8	60.1	59.7	59.4
-27.5°	63.8	63.2	62.6	62.1	61.9	61.6	61.1	60.4	59.9	59.5	59.2
-28.75°	63.4	62.8	62.2	61.9	61.7	61.3	60.7	60.1	59.7	59.4	58.9
-30°	62.9	62.3	62.0	61.8	61.5	60.9	60.3	59.8	59.5	59.2	58.4
-31.25°	62.4	62.0	61.8	61.6	61.1	60.5	59.9	59.6	59.3	58.8	57.9
-32.5°	62.1	61.8	61.6	61.2	60.6	60.1	59.7	59.4	59.1	58.2	57.3
-33.75°	61.8	61.6	61.2	60.7	60.2	59.8	59.5	59.2	58.5	57.7	56.8
-35°	61.6	61.3	60.8	60.2	59.8	59.5	59.3	58.8	57.9	57.1	55.9
-36.25°	61.2	60.8	60.3	59.8	59.6	59.3	58.9	58.1	57.3	56.3	54.9
-37.5°	60.7	60.2	59.8	59.6	59.3	59.0	58.3	57.5	56.6	55.3	53.9
-38.75°	60.2	59.8	59.6	59.3	59.1	58.3	57.6	56.8	55.6	54.2	52.9
-40°	59.8	59.5	59.3	59.0	58.3	57.6	56.9	55.7	54.5	53.2	51.9
-41.25°	59.5	59.3	58.9	58.3	57.6	56.9	55.8	54.6	53.3	52.1	50.8
-42.5°	59.2	58.8	58.1	57.5	56.8	55.7	54.6	53.4	52.2	51.0	49.7
-43.75°	58.5	57.9	57.3	56.6	55.6	54.5	53.3	52.2	51.0	49.8	48.6
-45°	57.7	57.1	56.3	55.3	54.2	53.2	52.1	51.0	49.8	48.7	47.5
-46.25°	56.8	55.9	54.9	53.9	52.9	51.9	50.8	49.7	48.6	47.5	46.4
-47.5°	55.4	54.5	53.5	52.6	51.6	50.6	49.5	48.5	47.4	46.4	45.3
-48.75°	53.9	53.0	52.1	51.2	50.2	49.2	48.2	47.2	46.2	45.2	43.9
-50°	52.4	51.5	50.7	49.8	48.8	47.9	46.9	46.0	45.0	43.7	42.2
-51.25°	50.9	50.1	49.2	48.3	47.5	46.5	45.6	44.7	43.3	41.9	40.6
-52.5°	49.4	48.6	47.7	46.9	46.1	45.2	44.1	42.8	41.5	40.2	38.8
-53.75°	47.8	47.1	46.3	45.5	44.6	43.4	42.2	41.0	39.7	38.3	36.6
-55°	46.3	45.5	44.8	43.7	42.6	41.5	40.3	39.1	37.6	36.0	34.4
-56.25°	44.7	43.7	42.7	41.7	40.6	39.5	38.2	36.7	35.2	33.7	32.2
-57.5°	42.5	41.6	40.6	39.6	38.4	37.1	35.7	34.3	32.9	31.5	30.4
-58.75°	40.3	39.4	38.3	37.1	35.8	34.5	33.2	31.9	30.8	29.7	28.6
-60°	37.8	36.7	35.6	34.4	33.2	32.0	31.0	30.0	28.9	27.9	26.8
-61.25°	35.0	33.9	32.8	31.7	30.9	29.9	29.0	28.0	27.0	26.0	25.0
-62.5°	32.1	31.3	30.5	29.6	28.8	27.9	27.0	26.1	25.1	24.2	23.2
-63.75°	29.8	29.1	28.3	27.5	26.7	25.9	25.0	24.1	23.2	22.3	21.4
-65°	27.6	26.9	26.1	25.4	24.6	23.8	23.0	22.2	21.3	20.6	20.1
-66.25°	25.3	24.6	24.0	23.2	22.5	21.8	21.0	20.4	20.0	19.5	19.1
-67.5°	23.1	22.4	21.8	21.1	20.5	20.1	19.7	19.3	18.9	18.5	18.0
-68.75°	20.8	20.4	20.1	19.7	19.4	19.0	18.6	18.2	17.8	17.5	17.3
-70°	19.5	19.2	18.9	18.5	18.2	17.8	17.5	17.3	17.2	17.0	16.8
-71.25°	18.2	17.9	17.6	17.5	17.3	17.1	17.0	16.8	16.6	16.4	16.2
-72.5°	17.3	17.1	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.5
-73.75°	16.6	16.5	16.3	16.2	16.1	15.9	15.7	15.4	15.2	15.0	14.7
-75°	15.9	15.8	15.6	15.4	15.2	15.0	14.8	14.6	14.3	14.1	13.9
-76.25°	14.9	14.8	14.6	14.4	14.3	14.1	13.9	13.7	13.4	13.1	12.7
-77.5°	14.0	13.8	13.7	13.4	13.1	12.9	12.6	12.3	12.0	11.7	11.4



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	12.5	12.3	12.1	11.8	11.6	11.4	11.1	10.8	10.6	10.3	10.0
-80°	10.9	10.7	10.5	10.3	10.1	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	6.0	5.9	5.8	5.7	5.5
-85°	5.3	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
-86.25°	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3
-87.5°	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.2
-88.75°	1.3	1.3	1.3	1.3	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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
87.5°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
86.25°	3.2	3.2	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4
85°	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2
83.75°	5.4	5.3	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0
82.5°	6.5	6.3	6.2	6.0	5.8	5.7	5.5	5.3	5.1	5.0	4.8
81.25°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6
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°	11.1	10.7	10.4	10.1	9.7	9.4	9.1	8.8	8.5	8.3	8.0
76.25°	12.4	12.0	11.7	11.3	10.9	10.5	10.1	9.7	9.4	9.1	8.7
75°	13.7	13.3	12.9	12.5	12.1	11.7	11.3	10.8	10.4	9.9	9.5
73.75°	14.5	14.2	13.9	13.7	13.3	12.8	12.4	11.9	11.4	11.0	10.5
72.5°	15.3	15.0	14.7	14.4	14.1	13.8	13.5	13.0	12.5	12.0	11.4
71.25°	16.0	15.7	15.4	15.1	14.8	14.5	14.2	13.9	13.5	13.0	12.4
70°	16.6	16.3	16.1	15.9	15.5	15.2	14.9	14.5	14.2	13.8	13.4
68.75°	17.1	16.8	16.6	16.4	16.2	15.9	15.5	15.2	14.8	14.4	14.0
67.5°	17.6	17.4	17.1	16.9	16.6	16.4	16.1	15.8	15.4	15.0	14.6
66.25°	18.6	18.1	17.6	17.3	17.1	16.8	16.5	16.3	16.0	15.6	15.2
65°	19.6	19.1	18.5	18.0	17.5	17.3	17.0	16.7	16.4	16.1	15.7
63.75°	20.6	20.0	19.5	18.9	18.4	17.8	17.4	17.1	16.8	16.5	16.2
62.5°	22.2	21.2	20.4	19.8	19.2	18.6	18.0	17.5	17.2	16.9	16.5
61.25°	24.0	22.9	21.8	20.7	20.1	19.5	18.9	18.2	17.6	17.2	16.9
60°	25.7	24.6	23.5	22.4	21.2	20.3	19.7	19.0	18.3	17.6	17.3
58.75°	27.5	26.3	25.1	23.9	22.7	21.5	20.5	19.8	19.1	18.4	17.6
57.5°	29.2	28.0	26.8	25.5	24.3	23.0	21.7	20.5	19.8	19.1	18.3
56.25°	30.9	29.6	28.4	27.1	25.8	24.5	23.1	21.8	20.5	19.8	19.0
55°	32.8	31.3	30.0	28.6	27.3	25.9	24.5	23.1	21.7	20.5	19.7
53.75°	34.9	33.2	31.5	30.2	28.8	27.3	25.9	24.5	23.0	21.5	20.3
52.5°	37.0	35.3	33.4	31.7	30.2	28.8	27.3	25.8	24.3	22.7	21.2
51.25°	39.1	37.3	35.4	33.5	31.7	30.2	28.6	27.1	25.5	23.9	22.4
50°	40.8	39.3	37.4	35.4	33.4	31.5	30.0	28.4	26.8	25.1	23.5
48.75°	42.4	40.8	39.3	37.3	35.3	33.2	31.3	29.6	28.0	26.3	24.6
47.5°	43.9	42.4	40.8	39.1	37.0	34.9	32.8	30.9	29.2	27.5	25.7
46.25°	45.3	43.9	42.2	40.6	38.8	36.6	34.4	32.2	30.4	28.6	26.8
45°	46.4	45.2	43.7	41.9	40.2	38.3	36.0	33.7	31.5	29.7	27.9
43.75°	47.4	46.2	45.0	43.3	41.5	39.7	37.6	35.2	32.9	30.8	28.9
42.5°	48.5	47.2	46.0	44.7	42.8	41.0	39.1	36.7	34.3	31.9	30.0
41.25°	49.5	48.2	46.9	45.6	44.1	42.2	40.3	38.2	35.7	33.2	31.0
40°	50.6	49.2	47.9	46.5	45.2	43.4	41.5	39.5	37.1	34.5	32.0
38.75°	51.6	50.2	48.8	47.5	46.1	44.6	42.6	40.6	38.4	35.8	33.2
37.5°	52.6	51.2	49.8	48.3	46.9	45.5	43.7	41.7	39.6	37.1	34.4
36.25°	53.5	52.1	50.7	49.2	47.7	46.3	44.8	42.7	40.6	38.3	35.6
35°	54.5	53.0	51.5	50.1	48.6	47.1	45.5	43.7	41.6	39.4	36.7



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	55.4	53.9	52.4	50.9	49.4	47.8	46.3	44.7	42.5	40.3	37.8
32.5°	56.3	54.8	53.2	51.7	50.1	48.6	47.0	45.4	43.5	41.2	38.9
31.25°	57.0	55.6	54.0	52.5	50.9	49.3	47.7	46.1	44.4	42.1	39.8
30°	57.5	56.4	54.8	53.2	51.6	50.0	48.4	46.7	45.1	42.9	40.6
28.75°	58.0	57.0	55.6	54.0	52.3	50.7	49.0	47.3	45.7	43.7	41.3
27.5°	58.4	57.5	56.3	54.7	53.0	51.3	49.6	47.9	46.2	44.5	42.1
26.25°	58.9	57.9	56.9	55.3	53.6	51.9	50.2	48.5	46.8	45.1	42.8
25°	59.2	58.3	57.3	56.0	54.3	52.5	50.8	49.1	47.3	45.6	43.5
23.75°	59.3	58.7	57.7	56.6	54.9	53.1	51.4	49.6	47.8	46.1	44.1
22.5°	59.5	59.1	58.1	57.0	55.5	53.7	51.9	50.1	48.3	46.5	44.7
21.25°	59.6	59.2	58.4	57.4	56.0	54.2	52.4	50.6	48.8	47.0	45.1
20°	59.7	59.4	58.8	57.7	56.5	54.7	52.9	51.1	49.2	47.4	45.5
18.75°	59.8	59.5	59.1	58.0	56.9	55.2	53.3	51.5	49.6	47.8	45.9
17.5°	60.0	59.6	59.2	58.3	57.2	55.6	53.8	51.9	50.0	48.1	46.3
16.25°	60.2	59.7	59.3	58.6	57.4	56.0	54.2	52.3	50.4	48.5	46.6
15°	60.4	59.8	59.4	58.8	57.7	56.4	54.5	52.6	50.7	48.8	46.9
13.75°	60.5	59.8	59.5	59.0	57.9	56.8	54.9	53.0	51.0	49.1	47.2
12.5°	60.7	59.9	59.5	59.2	58.1	56.9	55.2	53.3	51.3	49.4	47.5
11.25°	60.9	60.1	59.6	59.2	58.3	57.1	55.5	53.5	51.6	49.6	47.7
10°	61.0	60.2	59.7	59.3	58.5	57.3	55.7	53.8	51.8	49.9	47.9
8.75°	61.1	60.3	59.7	59.3	58.6	57.4	56.0	54.0	52.0	50.1	48.1
7.5°	61.2	60.4	59.8	59.4	58.7	57.6	56.2	54.2	52.2	50.2	48.2
6.25°	61.3	60.5	59.8	59.4	58.8	57.7	56.3	54.3	52.4	50.4	48.4
5°	61.4	60.6	59.8	59.4	58.9	57.7	56.5	54.5	52.5	50.5	48.5
3.75°	61.4	60.6	59.9	59.5	59.0	57.8	56.6	54.6	52.6	50.6	48.6
2.5°	61.5	60.7	59.9	59.5	59.1	57.9	56.6	54.6	52.6	50.6	48.6
1.25°	61.5	60.7	59.9	59.5	59.1	57.9	56.7	54.7	52.7	50.7	48.7
0°	61.5	60.7	59.9	59.5	59.1	57.9	56.7	54.7	52.7	50.7	48.7
-1.25°	61.5	60.7	59.9	59.5	59.1	57.9	56.7	54.7	52.7	50.7	48.7
-2.5°	61.5	60.7	59.9	59.5	59.1	57.9	56.6	54.6	52.6	50.6	48.6
-3.75°	61.4	60.6	59.9	59.5	59.0	57.8	56.6	54.6	52.6	50.6	48.6
-5°	61.4	60.6	59.8	59.4	58.9	57.7	56.5	54.5	52.5	50.5	48.5
-6.25°	61.3	60.5	59.8	59.4	58.8	57.7	56.3	54.3	52.4	50.4	48.4
-7.5°	61.2	60.4	59.8	59.4	58.7	57.6	56.2	54.2	52.2	50.2	48.2
-8.75°	61.1	60.3	59.7	59.3	58.6	57.4	56.0	54.0	52.0	50.1	48.1
-10°	61.0	60.2	59.7	59.3	58.5	57.3	55.7	53.8	51.8	49.9	47.9
-11.25°	60.9	60.1	59.6	59.2	58.3	57.1	55.5	53.5	51.6	49.6	47.7
-12.5°	60.7	59.9	59.5	59.2	58.1	56.9	55.2	53.3	51.3	49.4	47.5
-13.75°	60.5	59.8	59.5	59.0	57.9	56.8	54.9	53.0	51.0	49.1	47.2
-15°	60.4	59.8	59.4	58.8	57.7	56.4	54.5	52.6	50.7	48.8	46.9
-16.25°	60.2	59.7	59.3	58.6	57.4	56.0	54.2	52.3	50.4	48.5	46.6
-17.5°	60.0	59.6	59.2	58.3	57.2	55.6	53.8	51.9	50.0	48.1	46.3
-18.75°	59.8	59.5	59.1	58.0	56.9	55.2	53.3	51.5	49.6	47.8	45.9
-20°	59.7	59.4	58.8	57.7	56.5	54.7	52.9	51.1	49.2	47.4	45.5
-21.25°	59.6	59.2	58.4	57.4	56.0	54.2	52.4	50.6	48.8	47.0	45.1





REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	59.5	59.1	58.1	57.0	55.5	53.7	51.9	50.1	48.3	46.5	44.7
-23.75°	59.3	58.7	57.7	56.6	54.9	53.1	51.4	49.6	47.8	46.1	44.1
-25°	59.2	58.3	57.3	56.0	54.3	52.5	50.8	49.1	47.3	45.6	43.5
-26.25°	58.9	57.9	56.9	55.3	53.6	51.9	50.2	48.5	46.8	45.1	42.8
-27.5°	58.4	57.5	56.3	54.7	53.0	51.3	49.6	47.9	46.2	44.5	42.1
-28.75°	58.0	57.0	55.6	54.0	52.3	50.7	49.0	47.3	45.7	43.7	41.3
-30°	57.5	56.4	54.8	53.2	51.6	50.0	48.4	46.7	45.1	42.9	40.6
-31.25°	57.0	55.6	54.0	52.5	50.9	49.3	47.7	46.1	44.4	42.1	39.8
-32.5°	56.3	54.8	53.2	51.7	50.1	48.6	47.0	45.4	43.5	41.2	38.9
-33.75°	55.4	53.9	52.4	50.9	49.4	47.8	46.3	44.7	42.5	40.3	37.8
-35°	54.5	53.0	51.5	50.1	48.6	47.1	45.5	43.7	41.6	39.4	36.7
-36.25°	53.5	52.1	50.7	49.2	47.7	46.3	44.8	42.7	40.6	38.3	35.6
-37.5°	52.6	51.2	49.8	48.3	46.9	45.5	43.7	41.7	39.6	37.1	34.4
-38.75°	51.6	50.2	48.8	47.5	46.1	44.6	42.6	40.6	38.4	35.8	33.2
-40°	50.6	49.2	47.9	46.5	45.2	43.4	41.5	39.5	37.1	34.5	32.0
-41.25°	49.5	48.2	46.9	45.6	44.1	42.2	40.3	38.2	35.7	33.2	31.0
-42.5°	48.5	47.2	46.0	44.7	42.8	41.0	39.1	36.7	34.3	31.9	30.0
-43.75°	47.4	46.2	45.0	43.3	41.5	39.7	37.6	35.2	32.9	30.8	28.9
-45°	46.4	45.2	43.7	41.9	40.2	38.3	36.0	33.7	31.5	29.7	27.9
-46.25°	45.3	43.9	42.2	40.6	38.8	36.6	34.4	32.2	30.4	28.6	26.8
-47.5°	43.9	42.4	40.8	39.1	37.0	34.9	32.8	30.9	29.2	27.5	25.7
-48.75°	42.4	40.8	39.3	37.3	35.3	33.2	31.3	29.6	28.0	26.3	24.6
-50°	40.8	39.3	37.4	35.4	33.4	31.5	30.0	28.4	26.8	25.1	23.5
-51.25°	39.1	37.3	35.4	33.5	31.7	30.2	28.6	27.1	25.5	23.9	22.4
-52.5°	37.0	35.3	33.4	31.7	30.2	28.8	27.3	25.8	24.3	22.7	21.2
-53.75°	34.9	33.2	31.5	30.2	28.8	27.3	25.9	24.5	23.0	21.5	20.3
-55°	32.8	31.3	30.0	28.6	27.3	25.9	24.5	23.1	21.7	20.5	19.7
-56.25°	30.9	29.6	28.4	27.1	25.8	24.5	23.1	21.8	20.5	19.8	19.0
-57.5°	29.2	28.0	26.8	25.5	24.3	23.0	21.7	20.5	19.8	19.1	18.3
-58.75°	27.5	26.3	25.1	23.9	22.7	21.5	20.5	19.8	19.1	18.4	17.6
-60°	25.7	24.6	23.5	22.4	21.2	20.3	19.7	19.0	18.3	17.6	17.3
-61.25°	24.0	22.9	21.8	20.7	20.1	19.5	18.9	18.2	17.6	17.2	16.9
-62.5°	22.2	21.2	20.4	19.8	19.2	18.6	18.0	17.5	17.2	16.9	16.5
-63.75°	20.6	20.0	19.5	18.9	18.4	17.8	17.4	17.1	16.8	16.5	16.2
-65°	19.6	19.1	18.5	18.0	17.5	17.3	17.0	16.7	16.4	16.1	15.7
-66.25°	18.6	18.1	17.6	17.3	17.1	16.8	16.5	16.3	16.0	15.6	15.2
-67.5°	17.6	17.4	17.1	16.9	16.6	16.4	16.1	15.8	15.4	15.0	14.6
-68.75°	17.1	16.8	16.6	16.4	16.2	15.9	15.5	15.2	14.8	14.4	14.0
-70°	16.6	16.3	16.1	15.9	15.5	15.2	14.9	14.5	14.2	13.8	13.4
-71.25°	16.0	15.7	15.4	15.1	14.8	14.5	14.2	13.9	13.5	13.0	12.4
-72.5°	15.3	15.0	14.7	14.4	14.1	13.8	13.5	13.0	12.5	12.0	11.4
-73.75°	14.5	14.2	13.9	13.7	13.3	12.8	12.4	11.9	11.4	11.0	10.5
-75°	13.7	13.3	12.9	12.5	12.1	11.7	11.3	10.8	10.4	9.9	9.5
-76.25°	12.4	12.0	11.7	11.3	10.9	10.5	10.1	9.7	9.4	9.1	8.7
-77.5°	11.1	10.7	10.4	10.1	9.7	9.4	9.1	8.8	8.5	8.3	8.0



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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	6.0	5.8	5.6
-82.5°	6.5	6.3	6.2	6.0	5.8	5.7	5.5	5.3	5.1	5.0	4.8
-83.75°	5.4	5.3	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0
-85°	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2
-86.25°	3.2	3.2	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4
-87.5°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
-88.75°	1.1	1.1	1.0	1.0	1.0	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: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
87.5°	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
86.25°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
85°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.2	2.1	1.9	1.8
83.75°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
82.5°	4.6	4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.9	2.7
81.25°	5.4	5.2	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.1
80°	6.1	5.9	5.6	5.4	5.1	4.9	4.6	4.4	4.1	3.8	3.6
78.75°	6.9	6.6	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0
77.5°	7.6	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.1	4.8	4.4
76.25°	8.4	8.1	7.7	7.4	7.0	6.7	6.3	6.0	5.6	5.2	4.9
75°	9.2	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.7	5.3
73.75°	10.0	9.5	9.1	8.7	8.3	7.9	7.5	7.0	6.6	6.2	5.7
72.5°	10.9	10.4	9.8	9.3	8.9	8.5	8.0	7.6	7.1	6.6	6.2
71.25°	11.8	11.3	10.7	10.1	9.5	9.0	8.6	8.1	7.6	7.1	6.6
70°	12.7	12.1	11.5	10.9	10.3	9.6	9.1	8.6	8.1	7.6	7.0
68.75°	13.6	13.0	12.4	11.7	11.0	10.4	9.7	9.1	8.6	8.0	7.5
67.5°	14.2	13.8	13.2	12.5	11.8	11.1	10.4	9.6	9.0	8.5	7.9
66.25°	14.7	14.3	13.9	13.3	12.5	11.8	11.0	10.3	9.5	8.9	8.3
65°	15.3	14.8	14.3	13.9	13.3	12.5	11.7	10.9	10.1	9.3	8.7
63.75°	15.8	15.3	14.8	14.3	13.9	13.2	12.4	11.5	10.7	9.8	9.1
62.5°	16.2	15.8	15.3	14.8	14.3	13.8	13.0	12.1	11.3	10.4	9.5
61.25°	16.6	16.2	15.8	15.3	14.7	14.2	13.6	12.7	11.8	10.9	10.0
60°	16.9	16.5	16.2	15.7	15.2	14.6	14.0	13.4	12.4	11.4	10.5
58.75°	17.2	16.9	16.5	16.1	15.6	15.0	14.4	13.8	13.0	12.0	11.0
57.5°	17.6	17.2	16.8	16.4	16.0	15.4	14.8	14.2	13.5	12.5	11.4
56.25°	18.2	17.5	17.1	16.7	16.3	15.8	15.2	14.5	13.9	13.0	11.9
55°	18.9	18.0	17.4	17.0	16.5	16.1	15.5	14.9	14.2	13.5	12.4
53.75°	19.5	18.6	17.8	17.3	16.8	16.4	15.9	15.2	14.5	13.8	12.8
52.5°	20.1	19.2	18.4	17.5	17.1	16.6	16.2	15.5	14.8	14.1	13.3
51.25°	20.7	19.8	18.9	18.0	17.3	16.9	16.4	15.9	15.1	14.4	13.7
50°	21.8	20.4	19.5	18.5	17.6	17.1	16.6	16.1	15.4	14.7	13.9
48.75°	22.9	21.2	20.0	19.1	18.1	17.4	16.8	16.3	15.7	15.0	14.2
47.5°	24.0	22.2	20.6	19.6	18.6	17.6	17.1	16.6	16.0	15.3	14.5
46.25°	25.0	23.2	21.4	20.1	19.1	18.0	17.3	16.8	16.2	15.5	14.7
45°	26.0	24.2	22.3	20.6	19.5	18.5	17.5	17.0	16.4	15.8	15.0
43.75°	27.0	25.1	23.2	21.3	20.0	18.9	17.8	17.2	16.6	16.0	15.2
42.5°	28.0	26.1	24.1	22.2	20.4	19.3	18.2	17.3	16.8	16.2	15.4
41.25°	29.0	27.0	25.0	23.0	21.0	19.7	18.6	17.5	17.0	16.4	15.7
40°	29.9	27.9	25.9	23.8	21.8	20.1	19.0	17.8	17.1	16.5	15.9
38.75°	30.9	28.8	26.7	24.6	22.5	20.5	19.4	18.2	17.3	16.7	16.1
37.5°	31.7	29.6	27.5	25.4	23.2	21.1	19.7	18.5	17.5	16.8	16.2
36.25°	32.8	30.5	28.3	26.1	24.0	21.8	20.1	18.9	17.6	17.0	16.3
35°	33.9	31.3	29.1	26.9	24.6	22.4	20.4	19.2	17.9	17.1	16.5



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	35.0	32.1	29.8	27.6	25.3	23.1	20.8	19.5	18.2	17.3	16.6
32.5°	36.0	33.1	30.6	28.3	26.0	23.7	21.4	19.8	18.5	17.4	16.7
31.25°	37.0	34.1	31.3	28.9	26.6	24.3	21.9	20.1	18.8	17.5	16.9
30°	38.0	35.0	32.0	29.6	27.2	24.9	22.5	20.4	19.0	17.7	17.0
28.75°	38.9	35.9	32.8	30.2	27.8	25.4	23.0	20.6	19.3	18.0	17.1
27.5°	39.7	36.7	33.6	30.8	28.4	25.9	23.5	21.1	19.5	18.2	17.2
26.25°	40.3	37.6	34.4	31.4	28.9	26.5	24.0	21.5	19.8	18.4	17.3
25°	41.0	38.3	35.2	32.0	29.5	27.0	24.5	21.9	20.0	18.6	17.4
23.75°	41.6	39.1	35.9	32.6	30.0	27.4	24.9	22.4	20.2	18.8	17.5
22.5°	42.2	39.7	36.6	33.3	30.4	27.9	25.3	22.8	20.4	19.0	17.6
21.25°	42.8	40.2	37.2	33.9	30.9	28.3	25.7	23.1	20.6	19.2	17.7
20°	43.3	40.7	37.8	34.5	31.3	28.7	26.1	23.5	20.9	19.4	17.9
18.75°	43.8	41.2	38.4	35.0	31.7	29.1	26.5	23.8	21.2	19.5	18.1
17.5°	44.3	41.6	39.0	35.6	32.2	29.4	26.8	24.1	21.5	19.7	18.2
16.25°	44.7	42.0	39.4	36.0	32.6	29.8	27.1	24.4	21.8	19.8	18.3
15°	45.0	42.4	39.8	36.5	33.0	30.1	27.4	24.7	22.0	19.9	18.4
13.75°	45.3	42.8	40.1	36.9	33.4	30.4	27.7	25.0	22.3	20.1	18.6
12.5°	45.5	43.1	40.4	37.3	33.8	30.6	27.9	25.2	22.5	20.2	18.7
11.25°	45.7	43.4	40.7	37.6	34.1	30.9	28.1	25.4	22.7	20.3	18.8
10°	45.9	43.7	40.9	37.9	34.4	31.1	28.3	25.6	22.8	20.4	18.8
8.75°	46.1	43.9	41.2	38.2	34.7	31.3	28.5	25.8	23.0	20.4	18.9
7.5°	46.3	44.1	41.4	38.4	34.9	31.4	28.7	25.9	23.1	20.5	19.0
6.25°	46.4	44.3	41.5	38.6	35.1	31.6	28.8	26.0	23.2	20.6	19.0
5°	46.5	44.4	41.7	38.8	35.2	31.7	28.9	26.1	23.3	20.6	19.1
3.75°	46.6	44.6	41.8	38.9	35.3	31.8	29.0	26.2	23.4	20.7	19.1
2.5°	46.7	44.6	41.8	39.0	35.4	31.8	29.1	26.3	23.5	20.7	19.1
1.25°	46.7	44.7	41.9	39.1	35.5	31.9	29.1	26.3	23.5	20.7	19.1
0°	46.7	44.7	41.9	39.1	35.5	31.9	29.1	26.3	23.5	20.7	19.1
-1.25°	46.7	44.7	41.9	39.1	35.5	31.9	29.1	26.3	23.5	20.7	19.1
-2.5°	46.7	44.6	41.8	39.0	35.4	31.8	29.1	26.3	23.5	20.7	19.1
-3.75°	46.6	44.6	41.8	38.9	35.3	31.8	29.0	26.2	23.4	20.7	19.1
-5°	46.5	44.4	41.7	38.8	35.2	31.7	28.9	26.1	23.3	20.6	19.1
-6.25°	46.4	44.3	41.5	38.6	35.1	31.6	28.8	26.0	23.2	20.6	19.0
-7.5°	46.3	44.1	41.4	38.4	34.9	31.4	28.7	25.9	23.1	20.5	19.0
-8.75°	46.1	43.9	41.2	38.2	34.7	31.3	28.5	25.8	23.0	20.4	18.9
-10°	45.9	43.7	40.9	37.9	34.4	31.1	28.3	25.6	22.8	20.4	18.8
-11.25°	45.7	43.4	40.7	37.6	34.1	30.9	28.1	25.4	22.7	20.3	18.8
-12.5°	45.5	43.1	40.4	37.3	33.8	30.6	27.9	25.2	22.5	20.2	18.7
-13.75°	45.3	42.8	40.1	36.9	33.4	30.4	27.7	25.0	22.3	20.1	18.6
-15°	45.0	42.4	39.8	36.5	33.0	30.1	27.4	24.7	22.0	19.9	18.4
-16.25°	44.7	42.0	39.4	36.0	32.6	29.8	27.1	24.4	21.8	19.8	18.3
-17.5°	44.3	41.6	39.0	35.6	32.2	29.4	26.8	24.1	21.5	19.7	18.2
-18.75°	43.8	41.2	38.4	35.0	31.7	29.1	26.5	23.8	21.2	19.5	18.1
-20°	43.3	40.7	37.8	34.5	31.3	28.7	26.1	23.5	20.9	19.4	17.9
-21.25°	42.8	40.2	37.2	33.9	30.9	28.3	25.7	23.1	20.6	19.2	17.7



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	42.2	39.7	36.6	33.3	30.4	27.9	25.3	22.8	20.4	19.0	17.6
-23.75°	41.6	39.1	35.9	32.6	30.0	27.4	24.9	22.4	20.2	18.8	17.5
-25°	41.0	38.3	35.2	32.0	29.5	27.0	24.5	21.9	20.0	18.6	17.4
-26.25°	40.3	37.6	34.4	31.4	28.9	26.5	24.0	21.5	19.8	18.4	17.3
-27.5°	39.7	36.7	33.6	30.8	28.4	25.9	23.5	21.1	19.5	18.2	17.2
-28.75°	38.9	35.9	32.8	30.2	27.8	25.4	23.0	20.6	19.3	18.0	17.1
-30°	38.0	35.0	32.0	29.6	27.2	24.9	22.5	20.4	19.0	17.7	17.0
-31.25°	37.0	34.1	31.3	28.9	26.6	24.3	21.9	20.1	18.8	17.5	16.9
-32.5°	36.0	33.1	30.6	28.3	26.0	23.7	21.4	19.8	18.5	17.4	16.7
-33.75°	35.0	32.1	29.8	27.6	25.3	23.1	20.8	19.5	18.2	17.3	16.6
-35°	33.9	31.3	29.1	26.9	24.6	22.4	20.4	19.2	17.9	17.1	16.5
-36.25°	32.8	30.5	28.3	26.1	24.0	21.8	20.1	18.9	17.6	17.0	16.3
-37.5°	31.7	29.6	27.5	25.4	23.2	21.1	19.7	18.5	17.5	16.8	16.2
-38.75°	30.9	28.8	26.7	24.6	22.5	20.5	19.4	18.2	17.3	16.7	16.1
-40°	29.9	27.9	25.9	23.8	21.8	20.1	19.0	17.8	17.1	16.5	15.9
-41.25°	29.0	27.0	25.0	23.0	21.0	19.7	18.6	17.5	17.0	16.4	15.7
-42.5°	28.0	26.1	24.1	22.2	20.4	19.3	18.2	17.3	16.8	16.2	15.4
-43.75°	27.0	25.1	23.2	21.3	20.0	18.9	17.8	17.2	16.6	16.0	15.2
-45°	26.0	24.2	22.3	20.6	19.5	18.5	17.5	17.0	16.4	15.8	15.0
-46.25°	25.0	23.2	21.4	20.1	19.1	18.0	17.3	16.8	16.2	15.5	14.7
-47.5°	24.0	22.2	20.6	19.6	18.6	17.6	17.1	16.6	16.0	15.3	14.5
-48.75°	22.9	21.2	20.0	19.1	18.1	17.4	16.8	16.3	15.7	15.0	14.2
-50°	21.8	20.4	19.5	18.5	17.6	17.1	16.6	16.1	15.4	14.7	13.9
-51.25°	20.7	19.8	18.9	18.0	17.3	16.9	16.4	15.9	15.1	14.4	13.7
-52.5°	20.1	19.2	18.4	17.5	17.1	16.6	16.2	15.5	14.8	14.1	13.3
-53.75°	19.5	18.6	17.8	17.3	16.8	16.4	15.9	15.2	14.5	13.8	12.8
-55°	18.9	18.0	17.4	17.0	16.5	16.1	15.5	14.9	14.2	13.5	12.4
-56.25°	18.2	17.5	17.1	16.7	16.3	15.8	15.2	14.5	13.9	13.0	11.9
-57.5°	17.6	17.2	16.8	16.4	16.0	15.4	14.8	14.2	13.5	12.5	11.4
-58.75°	17.2	16.9	16.5	16.1	15.6	15.0	14.4	13.8	13.0	12.0	11.0
-60°	16.9	16.5	16.2	15.7	15.2	14.6	14.0	13.4	12.4	11.4	10.5
-61.25°	16.6	16.2	15.8	15.3	14.7	14.2	13.6	12.7	11.8	10.9	10.0
-62.5°	16.2	15.8	15.3	14.8	14.3	13.8	13.0	12.1	11.3	10.4	9.5
-63.75°	15.8	15.3	14.8	14.3	13.9	13.2	12.4	11.5	10.7	9.8	9.1
-65°	15.3	14.8	14.3	13.9	13.3	12.5	11.7	10.9	10.1	9.3	8.7
-66.25°	14.7	14.3	13.9	13.3	12.5	11.8	11.0	10.3	9.5	8.9	8.3
-67.5°	14.2	13.8	13.2	12.5	11.8	11.1	10.4	9.6	9.0	8.5	7.9
-68.75°	13.6	13.0	12.4	11.7	11.0	10.4	9.7	9.1	8.6	8.0	7.5
-70°	12.7	12.1	11.5	10.9	10.3	9.6	9.1	8.6	8.1	7.6	7.0
-71.25°	11.8	11.3	10.7	10.1	9.5	9.0	8.6	8.1	7.6	7.1	6.6
-72.5°	10.9	10.4	9.8	9.3	8.9	8.5	8.0	7.6	7.1	6.6	6.2
-73.75°	10.0	9.5	9.1	8.7	8.3	7.9	7.5	7.0	6.6	6.2	5.7
-75°	9.2	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-76.25°	8.4	8.1	7.7	7.4	7.0	6.7	6.3	6.0	5.6	5.2	4.9
-77.5°	7.6	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.1	4.8	4.4



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0
-80°	6.1	5.9	5.6	5.4	5.1	4.9	4.6	4.4	4.1	3.8	3.6
-81.25°	5.4	5.2	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.1
-82.5°	4.6	4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.9	2.7
-83.75°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
-85°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.2	2.1	1.9	1.8
-86.25°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-87.5°	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-88.75°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-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°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
87.5°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
86.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
85°	1.7	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
83.75°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
82.5°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
81.25°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
80°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
78.75°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.6
77.5°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
76.25°	4.5	4.1	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
75°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
73.75°	5.3	4.9	4.4	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
72.5°	5.7	5.2	4.8	4.3	3.8	3.4	2.9	2.4	1.9	1.4	1.0
71.25°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.0
70°	6.5	6.0	5.4	4.9	4.4	3.8	3.3	2.7	2.2	1.6	1.1
68.75°	6.9	6.3	5.8	5.2	4.6	4.0	3.5	2.9	2.3	1.7	1.2
67.5°	7.3	6.7	6.1	5.5	4.9	4.3	3.7	3.1	2.4	1.8	1.2
66.25°	7.7	7.0	6.4	5.8	5.1	4.5	3.9	3.2	2.6	1.9	1.3
65°	8.0	7.4	6.7	6.1	5.4	4.7	4.0	3.4	2.7	2.0	1.4
63.75°	8.4	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.4
62.5°	8.8	8.1	7.3	6.6	5.9	5.2	4.4	3.7	3.0	2.2	1.5
61.25°	9.2	8.4	7.6	6.9	6.1	5.4	4.6	3.8	3.1	2.3	1.5
60°	9.5	8.7	8.0	7.2	6.4	5.6	4.8	4.0	3.2	2.4	1.6
58.75°	9.9	9.1	8.3	7.4	6.6	5.8	5.0	4.1	3.3	2.5	1.7
57.5°	10.4	9.4	8.5	7.7	6.9	6.0	5.1	4.3	3.4	2.6	1.7
56.25°	10.8	9.7	8.8	8.0	7.1	6.2	5.3	4.4	3.6	2.7	1.8
55°	11.3	10.1	9.1	8.2	7.3	6.4	5.5	4.6	3.7	2.8	1.8
53.75°	11.7	10.5	9.4	8.5	7.5	6.6	5.7	4.7	3.8	2.8	1.9
52.5°	12.1	10.9	9.7	8.7	7.8	6.8	5.8	4.9	3.9	2.9	1.9
51.25°	12.5	11.3	10.1	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0
50°	12.9	11.7	10.4	9.2	8.2	7.2	6.2	5.1	4.1	3.1	2.1
48.75°	13.3	12.0	10.7	9.5	8.4	7.4	6.3	5.3	4.2	3.2	2.1
47.5°	13.7	12.4	11.1	9.7	8.6	7.6	6.5	5.4	4.3	3.2	2.2
46.25°	13.9	12.7	11.4	10.0	8.8	7.7	6.6	5.5	4.4	3.3	2.2
45°	14.1	13.1	11.7	10.3	9.0	7.9	6.8	5.7	4.5	3.4	2.3
43.75°	14.3	13.4	12.0	10.6	9.2	8.1	6.9	5.8	4.6	3.5	2.3
42.5°	14.6	13.7	12.3	10.8	9.4	8.2	7.1	5.9	4.7	3.5	2.4
41.25°	14.8	13.9	12.6	11.1	9.6	8.4	7.2	6.0	4.8	3.6	2.4
40°	15.0	14.1	12.9	11.4	9.8	8.6	7.3	6.1	4.9	3.7	2.5
38.75°	15.2	14.3	13.1	11.6	10.1	8.7	7.5	6.2	5.0	3.7	2.5
37.5°	15.4	14.4	13.4	11.8	10.3	8.9	7.6	6.3	5.1	3.8	2.5
36.25°	15.6	14.6	13.7	12.1	10.5	9.0	7.7	6.4	5.2	3.9	2.6
35°	15.8	14.8	13.8	12.3	10.7	9.2	7.9	6.5	5.2	3.9	2.6



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**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	15.9	14.9	14.0	12.5	10.9	9.3	8.0	6.6	5.3	4.0	2.7
32.5°	16.1	15.1	14.1	12.8	11.1	9.4	8.1	6.7	5.4	4.0	2.7
31.25°	16.2	15.3	14.2	13.0	11.3	9.6	8.2	6.8	5.5	4.1	2.7
30°	16.3	15.4	14.4	13.2	11.4	9.7	8.3	6.9	5.5	4.2	2.8
28.75°	16.4	15.5	14.5	13.4	11.6	9.9	8.4	7.0	5.6	4.2	2.8
27.5°	16.5	15.7	14.6	13.5	11.8	10.0	8.5	7.1	5.7	4.3	2.8
26.25°	16.6	15.8	14.7	13.7	11.9	10.1	8.6	7.2	5.7	4.3	2.9
25°	16.7	15.9	14.9	13.8	12.1	10.3	8.7	7.2	5.8	4.3	2.9
23.75°	16.8	16.0	15.0	13.9	12.2	10.4	8.8	7.3	5.9	4.4	2.9
22.5°	16.9	16.1	15.1	14.0	12.4	10.5	8.9	7.4	5.9	4.4	3.0
21.25°	16.9	16.2	15.2	14.1	12.5	10.6	8.9	7.5	6.0	4.5	3.0
20°	17.0	16.3	15.3	14.1	12.6	10.7	9.0	7.5	6.0	4.5	3.0
18.75°	17.1	16.3	15.4	14.2	12.7	10.9	9.1	7.6	6.1	4.5	3.0
17.5°	17.1	16.4	15.4	14.3	12.9	10.9	9.2	7.6	6.1	4.6	3.1
16.25°	17.2	16.4	15.5	14.4	13.0	11.0	9.2	7.7	6.1	4.6	3.1
15°	17.3	16.5	15.6	14.4	13.0	11.1	9.3	7.7	6.2	4.6	3.1
13.75°	17.3	16.5	15.7	14.5	13.1	11.2	9.3	7.8	6.2	4.7	3.1
12.5°	17.4	16.6	15.7	14.5	13.2	11.3	9.4	7.8	6.2	4.7	3.1
11.25°	17.4	16.6	15.8	14.6	13.3	11.3	9.4	7.8	6.3	4.7	3.1
10°	17.5	16.7	15.8	14.6	13.4	11.4	9.5	7.9	6.3	4.7	3.2
8.75°	17.5	16.7	15.9	14.7	13.4	11.4	9.5	7.9	6.3	4.7	3.2
7.5°	17.5	16.7	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.8	3.2
6.25°	17.5	16.7	15.9	14.7	13.5	11.5	9.5	8.0	6.4	4.8	3.2
5°	17.6	16.8	16.0	14.8	13.5	11.5	9.6	8.0	6.4	4.8	3.2
3.75°	17.6	16.8	16.0	14.8	13.6	11.6	9.6	8.0	6.4	4.8	3.2
2.5°	17.6	16.8	16.0	14.8	13.6	11.6	9.6	8.0	6.4	4.8	3.2
1.25°	17.6	16.8	16.0	14.8	13.6	11.6	9.6	8.0	6.4	4.8	3.2
0°	17.6	16.8	16.0	14.8	13.6	11.6	9.6	8.0	6.4	4.8	3.2
-1.25°	17.6	16.8	16.0	14.8	13.6	11.6	9.6	8.0	6.4	4.8	3.2
-2.5°	17.6	16.8	16.0	14.8	13.6	11.6	9.6	8.0	6.4	4.8	3.2
-3.75°	17.6	16.8	16.0	14.8	13.6	11.6	9.6	8.0	6.4	4.8	3.2
-5°	17.6	16.8	16.0	14.8	13.5	11.5	9.6	8.0	6.4	4.8	3.2
-6.25°	17.5	16.7	15.9	14.7	13.5	11.5	9.5	8.0	6.4	4.8	3.2
-7.5°	17.5	16.7	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.8	3.2
-8.75°	17.5	16.7	15.9	14.7	13.4	11.4	9.5	7.9	6.3	4.7	3.2
-10°	17.5	16.7	15.8	14.6	13.4	11.4	9.5	7.9	6.3	4.7	3.2
-11.25°	17.4	16.6	15.8	14.6	13.3	11.3	9.4	7.8	6.3	4.7	3.1
-12.5°	17.4	16.6	15.7	14.5	13.2	11.3	9.4	7.8	6.2	4.7	3.1
-13.75°	17.3	16.5	15.7	14.5	13.1	11.2	9.3	7.8	6.2	4.7	3.1
-15°	17.3	16.5	15.6	14.4	13.0	11.1	9.3	7.7	6.2	4.6	3.1
-16.25°	17.2	16.4	15.5	14.4	13.0	11.0	9.2	7.7	6.1	4.6	3.1
-17.5°	17.1	16.4	15.4	14.3	12.9	10.9	9.2	7.6	6.1	4.6	3.1
-18.75°	17.1	16.3	15.4	14.2	12.7	10.9	9.1	7.6	6.1	4.5	3.0
-20°	17.0	16.3	15.3	14.1	12.6	10.7	9.0	7.5	6.0	4.5	3.0
-21.25°	16.9	16.2	15.2	14.1	12.5	10.6	8.9	7.5	6.0	4.5	3.0





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**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	16.9	16.1	15.1	14.0	12.4	10.5	8.9	7.4	5.9	4.4	3.0
-23.75°	16.8	16.0	15.0	13.9	12.2	10.4	8.8	7.3	5.9	4.4	2.9
-25°	16.7	15.9	14.9	13.8	12.1	10.3	8.7	7.2	5.8	4.3	2.9
-26.25°	16.6	15.8	14.7	13.7	11.9	10.1	8.6	7.2	5.7	4.3	2.9
-27.5°	16.5	15.7	14.6	13.5	11.8	10.0	8.5	7.1	5.7	4.3	2.8
-28.75°	16.4	15.5	14.5	13.4	11.6	9.9	8.4	7.0	5.6	4.2	2.8
-30°	16.3	15.4	14.4	13.2	11.4	9.7	8.3	6.9	5.5	4.2	2.8
-31.25°	16.2	15.3	14.2	13.0	11.3	9.6	8.2	6.8	5.5	4.1	2.7
-32.5°	16.1	15.1	14.1	12.8	11.1	9.4	8.1	6.7	5.4	4.0	2.7
-33.75°	15.9	14.9	14.0	12.5	10.9	9.3	8.0	6.6	5.3	4.0	2.7
-35°	15.8	14.8	13.8	12.3	10.7	9.2	7.9	6.5	5.2	3.9	2.6
-36.25°	15.6	14.6	13.7	12.1	10.5	9.0	7.7	6.4	5.2	3.9	2.6
-37.5°	15.4	14.4	13.4	11.8	10.3	8.9	7.6	6.3	5.1	3.8	2.5
-38.75°	15.2	14.3	13.1	11.6	10.1	8.7	7.5	6.2	5.0	3.7	2.5
-40°	15.0	14.1	12.9	11.4	9.8	8.6	7.3	6.1	4.9	3.7	2.5
-41.25°	14.8	13.9	12.6	11.1	9.6	8.4	7.2	6.0	4.8	3.6	2.4
-42.5°	14.6	13.7	12.3	10.8	9.4	8.2	7.1	5.9	4.7	3.5	2.4
-43.75°	14.3	13.4	12.0	10.6	9.2	8.1	6.9	5.8	4.6	3.5	2.3
-45°	14.1	13.1	11.7	10.3	9.0	7.9	6.8	5.7	4.5	3.4	2.3
-46.25°	13.9	12.7	11.4	10.0	8.8	7.7	6.6	5.5	4.4	3.3	2.2
-47.5°	13.7	12.4	11.1	9.7	8.6	7.6	6.5	5.4	4.3	3.2	2.2
-48.75°	13.3	12.0	10.7	9.5	8.4	7.4	6.3	5.3	4.2	3.2	2.1
-50°	12.9	11.7	10.4	9.2	8.2	7.2	6.2	5.1	4.1	3.1	2.1
-51.25°	12.5	11.3	10.1	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0
-52.5°	12.1	10.9	9.7	8.7	7.8	6.8	5.8	4.9	3.9	2.9	1.9
-53.75°	11.7	10.5	9.4	8.5	7.5	6.6	5.7	4.7	3.8	2.8	1.9
-55°	11.3	10.1	9.1	8.2	7.3	6.4	5.5	4.6	3.7	2.8	1.8
-56.25°	10.8	9.7	8.8	8.0	7.1	6.2	5.3	4.4	3.6	2.7	1.8
-57.5°	10.4	9.4	8.5	7.7	6.9	6.0	5.1	4.3	3.4	2.6	1.7
-58.75°	9.9	9.1	8.3	7.4	6.6	5.8	5.0	4.1	3.3	2.5	1.7
-60°	9.5	8.7	8.0	7.2	6.4	5.6	4.8	4.0	3.2	2.4	1.6
-61.25°	9.2	8.4	7.6	6.9	6.1	5.4	4.6	3.8	3.1	2.3	1.5
-62.5°	8.8	8.1	7.3	6.6	5.9	5.2	4.4	3.7	3.0	2.2	1.5
-63.75°	8.4	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.4
-65°	8.0	7.4	6.7	6.1	5.4	4.7	4.0	3.4	2.7	2.0	1.4
-66.25°	7.7	7.0	6.4	5.8	5.1	4.5	3.9	3.2	2.6	1.9	1.3
-67.5°	7.3	6.7	6.1	5.5	4.9	4.3	3.7	3.1	2.4	1.8	1.2
-68.75°	6.9	6.3	5.8	5.2	4.6	4.0	3.5	2.9	2.3	1.7	1.2
-70°	6.5	6.0	5.4	4.9	4.4	3.8	3.3	2.7	2.2	1.6	1.1
-71.25°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.0
-72.5°	5.7	5.2	4.8	4.3	3.8	3.4	2.9	2.4	1.9	1.4	1.0
-73.75°	5.3	4.9	4.4	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
-75°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-76.25°	4.5	4.1	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
-77.5°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7



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



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

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	1.3	0.0
32.5°	1.3	0.0
31.25°	1.4	0.0
30°	1.4	0.0
28.75°	1.4	0.0
27.5°	1.4	0.0
26.25°	1.4	0.0
25°	1.5	0.0
23.75°	1.5	0.0
22.5°	1.5	0.0
21.25°	1.5	0.0
20°	1.5	0.0
18.75°	1.5	0.0
17.5°	1.5	0.0
16.25°	1.5	0.0
15°	1.5	0.0
13.75°	1.6	0.0
12.5°	1.6	0.0
11.25°	1.6	0.0
10°	1.6	0.0
8.75°	1.6	0.0
7.5°	1.6	0.0
6.25°	1.6	0.0
5°	1.6	0.0
3.75°	1.6	0.0
2.5°	1.6	0.0
1.25°	1.6	0.0
0°	1.6	0.0
-1.25°	1.6	0.0
-2.5°	1.6	0.0
-3.75°	1.6	0.0
-5°	1.6	0.0
-6.25°	1.6	0.0
-7.5°	1.6	0.0
-8.75°	1.6	0.0
-10°	1.6	0.0
-11.25°	1.6	0.0
-12.5°	1.6	0.0
-13.75°	1.6	0.0
-15°	1.5	0.0
-16.25°	1.5	0.0
-17.5°	1.5	0.0
-18.75°	1.5	0.0
-20°	1.5	0.0
-21.25°	1.5	0.0



REPORT NUMBER: P220460 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	1.5	0.0
-23.75°	1.5	0.0
-25°	1.5	0.0
-26.25°	1.4	0.0
-27.5°	1.4	0.0
-28.75°	1.4	0.0
-30°	1.4	0.0
-31.25°	1.4	0.0
-32.5°	1.3	0.0
-33.75°	1.3	0.0
-35°	1.3	0.0
-36.25°	1.3	0.0
-37.5°	1.3	0.0
-38.75°	1.2	0.0
-40°	1.2	0.0
-41.25°	1.2	0.0
-42.5°	1.2	0.0
-43.75°	1.2	0.0
-45°	1.1	0.0
-46.25°	1.1	0.0
-47.5°	1.1	0.0
-48.75°	1.1	0.0
-50°	1.0	0.0
-51.25°	1.0	0.0
-52.5°	1.0	0.0
-53.75°	0.9	0.0
-55°	0.9	0.0
-56.25°	0.9	0.0
-57.5°	0.9	0.0
-58.75°	0.8	0.0
-60°	0.8	0.0
-61.25°	0.8	0.0
-62.5°	0.7	0.0
-63.75°	0.7	0.0
-65°	0.7	0.0
-66.25°	0.6	0.0
-67.5°	0.6	0.0
-68.75°	0.6	0.0
-70°	0.5	0.0
-71.25°	0.5	0.0
-72.5°	0.5	0.0
-73.75°	0.4	0.0
-75°	0.4	0.0
-76.25°	0.4	0.0
-77.5°	0.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-78.75°	0.3	0.0
-80°	0.3	0.0
-81.25°	0.2	0.0
-82.5°	0.2	0.0
-83.75°	0.2	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)