

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: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

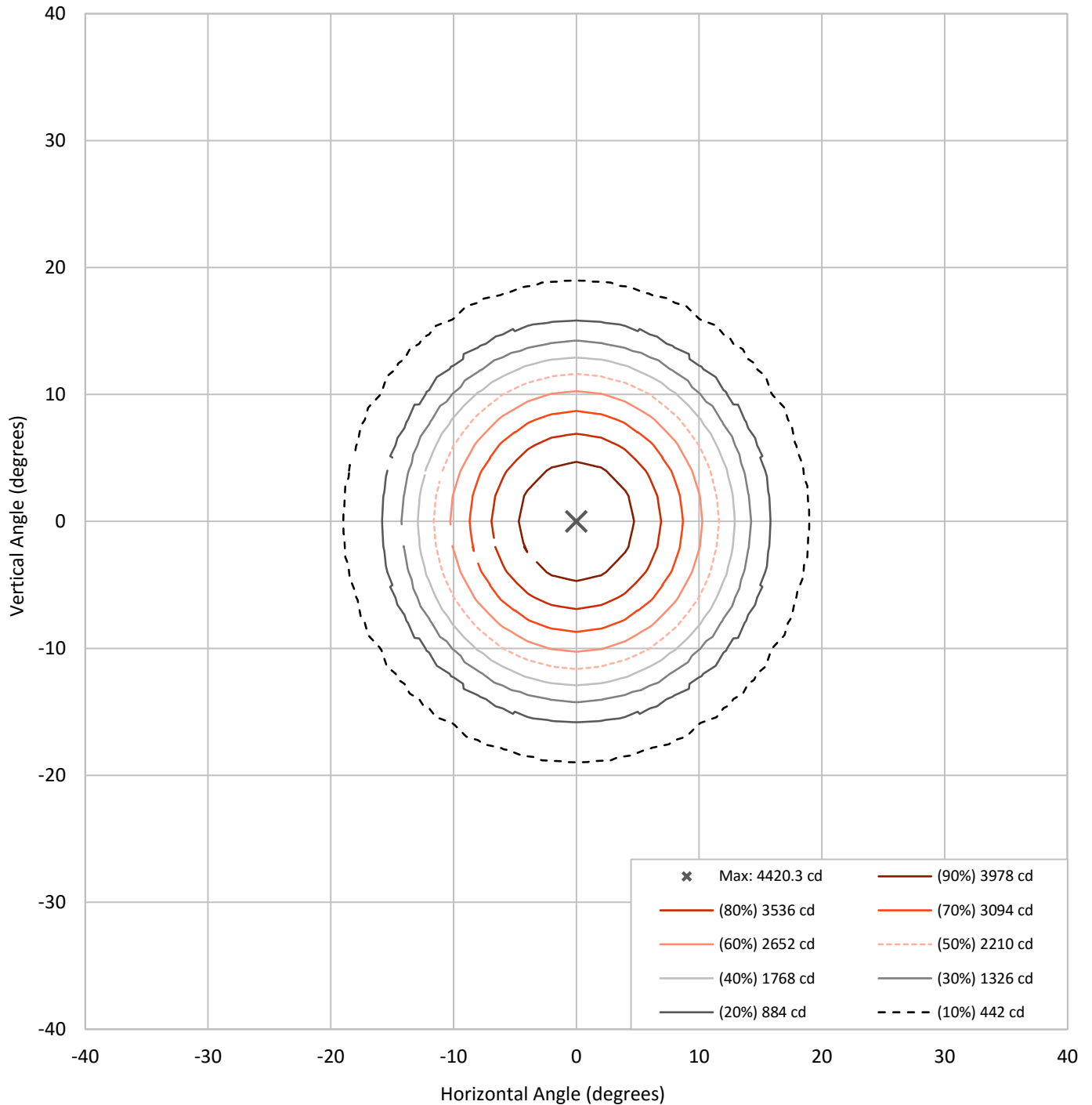
Test Method: LM-79-08  
Report Number: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/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:	3H x 3V
Luminaire Lumens:	789.1 lumens	Max Intensity:	4420.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	78.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.3°H x 23.3°V	Field Angle (10%):	37.5°H x 37.5°V
Beam Lumens:	422.7 lumens	Field Lumens:	639.5 lumens
Beam Efficiency:	53.6%	Field Efficiency:	81.0%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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

### Iso-Candela Plot





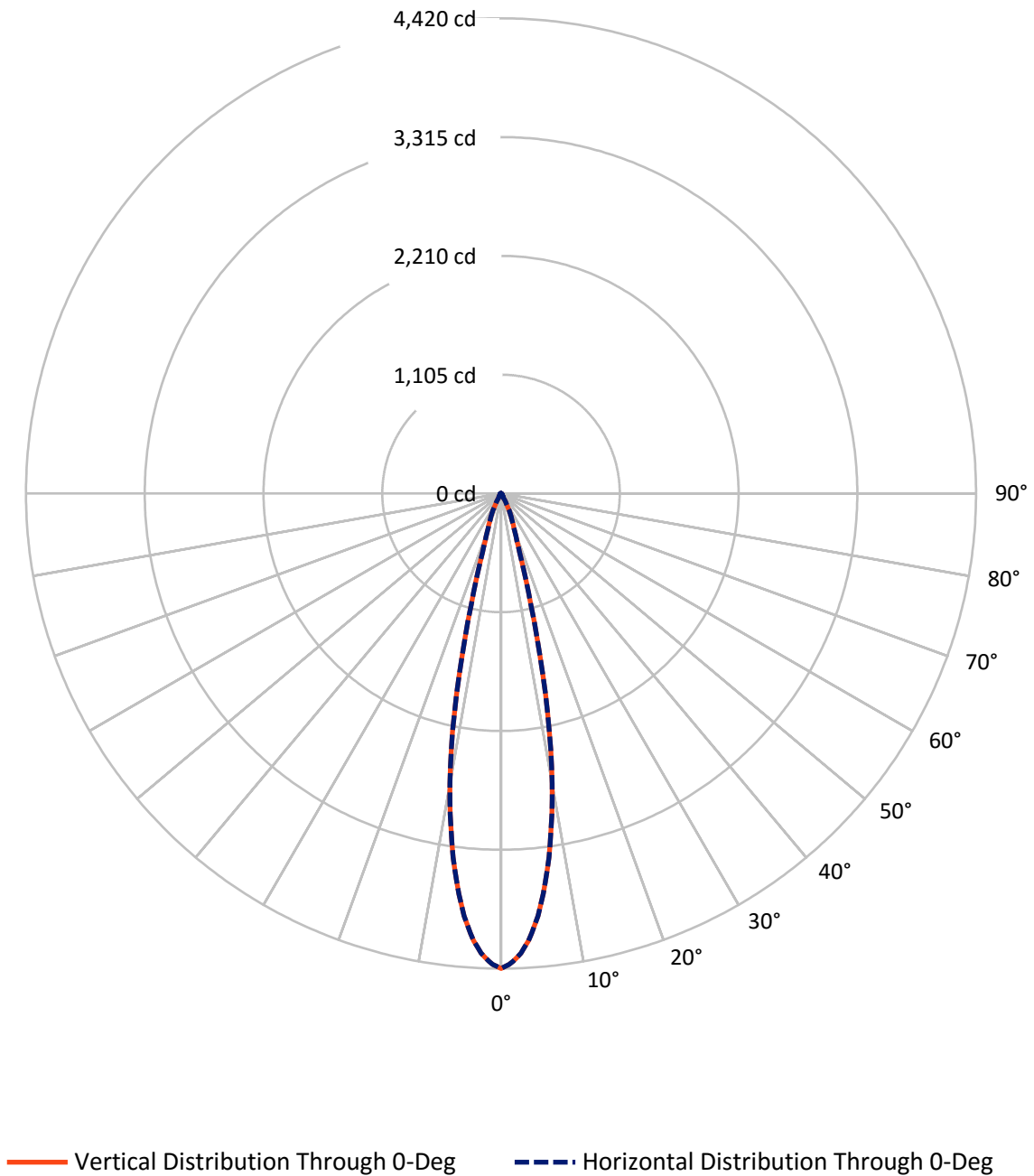
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### Lumen Table

90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0				
60		0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1					
50	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1				
40		0.1	0.2	0.2	0.3	0.4	0.6	0.7	0.7	0.6	0.4	0.3	0.2	0.2		0.1			
30	0.1	0.1	0.2	0.3	0.4	0.7	2.4	5.1	5.1	2.4	0.7	0.4	0.3	0.2	0.1				
20		0.1	0.2	0.3	0.5	2.3	10.5	31.0	31.0	10.5	2.3	0.5	0.3	0.2		0.1			
10	0.1	0.1	0.2	0.3	0.6	4.6	30.2	99.2	99.2	30.2	4.6	0.6	0.3	0.2	0.1				
0		0.1	0.2	0.3	0.6	4.6	30.2	99.2	99.2	30.2	4.6	0.6	0.3	0.2		0.1			
-10	0.1	0.1	0.2	0.3	0.6	4.6	30.2	99.2	99.2	30.2	4.6	0.6	0.3	0.2	0.1				
-20		0.1	0.2	0.3	0.5	2.3	10.5	31.0	31.0	10.5	2.3	0.5	0.3	0.2		0.1			
-30	0.1	0.1	0.2	0.3	0.4	0.7	2.4	5.1	5.1	2.4	0.7	0.4	0.3	0.2	0.1				
-40		0.1	0.2	0.2	0.3	0.4	0.6	0.7	0.7	0.6	0.4	0.3	0.2	0.2		0.1			
-50	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0				
-60		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1		0.0			
-70	0.0	0.1	0.2	0.3	0.4	0.7	2.4	5.1	5.1	2.4	0.7	0.4	0.3	0.2	0.1				
-80		0.1	0.2	0.2	0.3	0.4	0.6	0.7	0.7	0.6	0.4	0.3	0.2	0.2		0.1			
-90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										

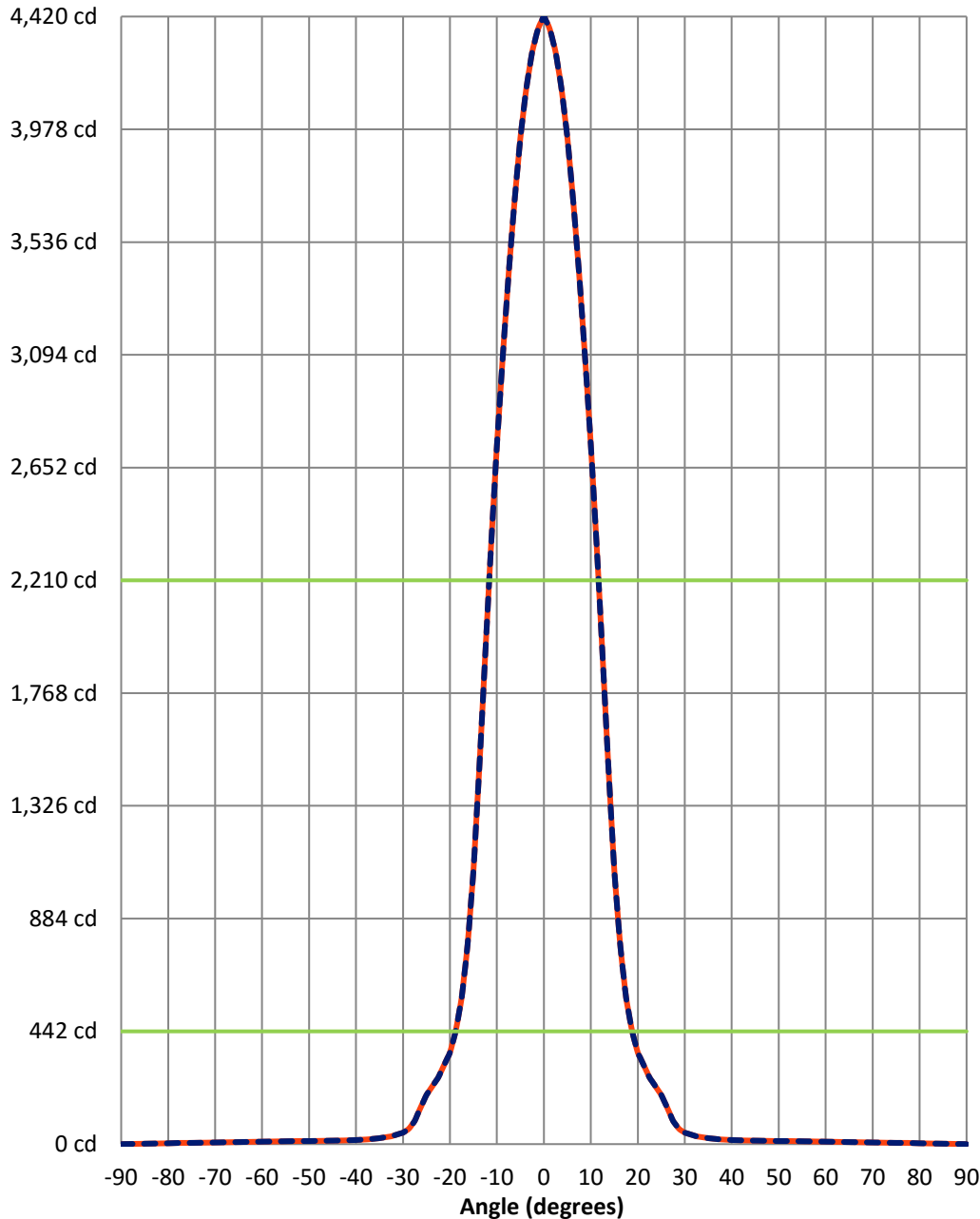
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.3°  
 V Angle: 23.3°  
 Lumens: 422.7  
 Efficiency: 53.6%

**Field:**  
 H Angle: 37.5°  
 V Angle: 37.5°  
 Lumens: 639.5  
 Efficiency: 81.0%

**Spill:**  
 Lumens: 149.5  
 Efficiency: 19.0%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.4
32.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.0	3.5
31.25°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.6
30°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.7
28.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.8
27.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.9
26.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	4.0
25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.3	4.0
23.75°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.4	4.1
22.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.4	4.2
21.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.0	3.5	4.2
20°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.6	4.3
18.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.6	4.4
17.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.7	4.4
16.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.7	4.5
15°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.8	4.5
13.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.8	4.6
12.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.8	4.6
11.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.9	4.6
10°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.7
8.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.7
7.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.7
6.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
3.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
2.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
1.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
0°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
-1.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
-2.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
-3.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
-5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
-6.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
-7.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.7
-8.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.7
-10°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.7
-11.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.9	4.6
-12.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.8	4.6
-13.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.8	4.6
-15°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.8	4.5
-16.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.7	4.5
-17.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.7	4.4
-18.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.6	4.4
-20°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.6	4.3
-21.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.0	3.5	4.2





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



REPORT NUMBER: P220314 (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	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
-87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
81.25°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2
80°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4
78.75°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
77.5°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
76.25°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9
75°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
73.75°	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3
72.5°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
71.25°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.6
70°	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.7	2.8
68.75°	1.6	1.7	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0
67.5°	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1
66.25°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.4
65°	1.8	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1	3.4	3.7
63.75°	1.9	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.4	3.7	4.0
62.5°	2.0	2.2	2.4	2.6	2.7	2.9	3.1	3.3	3.7	4.0	4.3
61.25°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.6	3.9	4.3	4.7
60°	2.2	2.4	2.6	2.8	3.0	3.2	3.5	3.9	4.2	4.6	4.8
58.75°	2.3	2.5	2.7	2.9	3.1	3.3	3.7	4.1	4.5	4.8	4.8
57.5°	2.3	2.6	2.8	3.0	3.2	3.6	4.0	4.4	4.8	4.8	4.8
56.25°	2.4	2.6	2.9	3.1	3.4	3.8	4.2	4.7	4.8	4.8	4.8
55°	2.5	2.7	3.0	3.2	3.6	4.0	4.5	4.8	4.8	4.8	4.8
53.75°	2.6	2.8	3.0	3.4	3.8	4.3	4.7	4.8	4.8	4.8	4.9
52.5°	2.7	2.9	3.1	3.6	4.0	4.5	4.8	4.8	4.8	4.8	5.0
51.25°	2.7	3.0	3.3	3.7	4.2	4.7	4.8	4.8	4.8	4.9	5.1
50°	2.8	3.1	3.4	3.9	4.4	4.8	4.8	4.8	4.8	5.0	5.3
48.75°	2.9	3.1	3.6	4.1	4.6	4.8	4.8	4.8	4.9	5.2	5.4
47.5°	3.0	3.2	3.8	4.3	4.8	4.8	4.8	4.8	5.1	5.3	5.6
46.25°	3.0	3.4	3.9	4.5	4.8	4.8	4.8	4.9	5.2	5.4	5.7
45°	3.1	3.5	4.1	4.7	4.8	4.8	4.8	5.0	5.3	5.6	5.8
43.75°	3.2	3.7	4.3	4.8	4.8	4.8	4.9	5.1	5.4	5.7	6.0
42.5°	3.3	3.8	4.4	4.8	4.8	4.8	5.0	5.2	5.5	5.8	6.1
41.25°	3.4	4.0	4.6	4.8	4.8	4.8	5.1	5.4	5.6	5.9	6.2
40°	3.5	4.1	4.7	4.8	4.8	4.9	5.2	5.5	5.8	6.0	6.3
38.75°	3.6	4.3	4.8	4.8	4.8	5.0	5.3	5.6	5.9	6.2	6.5
37.5°	3.8	4.4	4.8	4.8	4.8	5.0	5.3	5.7	6.0	6.3	6.6
36.25°	3.9	4.5	4.8	4.8	4.8	5.1	5.4	5.8	6.1	6.4	6.7
35°	4.0	4.6	4.8	4.8	4.9	5.2	5.5	5.8	6.2	6.5	6.8



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	4.1	4.8	4.8	4.8	5.0	5.3	5.6	5.9	6.3	6.6	6.9
32.5°	4.2	4.8	4.8	4.8	5.0	5.4	5.7	6.0	6.4	6.7	7.0
31.25°	4.3	4.8	4.8	4.8	5.1	5.4	5.8	6.1	6.4	6.8	7.1
30°	4.4	4.8	4.8	4.8	5.2	5.5	5.9	6.2	6.5	6.9	7.2
28.75°	4.5	4.8	4.8	4.9	5.2	5.6	5.9	6.3	6.6	7.0	7.3
27.5°	4.6	4.8	4.8	5.0	5.3	5.7	6.0	6.3	6.7	7.0	7.4
26.25°	4.7	4.8	4.8	5.0	5.4	5.7	6.1	6.4	6.8	7.1	7.5
25°	4.8	4.8	4.8	5.1	5.4	5.8	6.1	6.5	6.9	7.2	7.6
23.75°	4.8	4.8	4.8	5.1	5.5	5.8	6.2	6.6	6.9	7.3	7.6
22.5°	4.8	4.8	4.8	5.2	5.5	5.9	6.3	6.6	7.0	7.4	7.7
21.25°	4.8	4.8	4.8	5.2	5.6	5.9	6.3	6.7	7.1	7.4	7.8
20°	4.8	4.8	4.9	5.3	5.6	6.0	6.4	6.7	7.1	7.5	7.9
18.75°	4.8	4.8	4.9	5.3	5.7	6.0	6.4	6.8	7.2	7.5	7.9
17.5°	4.8	4.8	5.0	5.3	5.7	6.1	6.5	6.8	7.2	7.6	8.0
16.25°	4.8	4.8	5.0	5.4	5.8	6.1	6.5	6.9	7.3	7.7	8.0
15°	4.8	4.8	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.1
13.75°	4.8	4.8	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1
12.5°	4.8	4.8	5.1	5.5	5.9	6.2	6.6	7.0	7.4	7.8	8.2
11.25°	4.8	4.8	5.1	5.5	5.9	6.3	6.7	7.1	7.4	7.8	8.2
10°	4.8	4.8	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3
8.75°	4.8	4.8	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3
7.5°	4.8	4.8	5.2	5.6	5.9	6.3	6.7	7.1	7.5	7.9	8.3
6.25°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	7.9	8.3
5°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
3.75°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
2.5°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
1.25°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
0°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-1.25°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-2.5°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-3.75°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-5°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-6.25°	4.8	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	7.9	8.3
-7.5°	4.8	4.8	5.2	5.6	5.9	6.3	6.7	7.1	7.5	7.9	8.3
-8.75°	4.8	4.8	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3
-10°	4.8	4.8	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3
-11.25°	4.8	4.8	5.1	5.5	5.9	6.3	6.7	7.1	7.4	7.8	8.2
-12.5°	4.8	4.8	5.1	5.5	5.9	6.2	6.6	7.0	7.4	7.8	8.2
-13.75°	4.8	4.8	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1
-15°	4.8	4.8	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.1
-16.25°	4.8	4.8	5.0	5.4	5.8	6.1	6.5	6.9	7.3	7.7	8.0
-17.5°	4.8	4.8	5.0	5.3	5.7	6.1	6.5	6.8	7.2	7.6	8.0
-18.75°	4.8	4.8	4.9	5.3	5.7	6.0	6.4	6.8	7.2	7.5	7.9
-20°	4.8	4.8	4.9	5.3	5.6	6.0	6.4	6.7	7.1	7.5	7.9
-21.25°	4.8	4.8	4.8	5.2	5.6	5.9	6.3	6.7	7.1	7.4	7.8



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	4.8	4.8	4.8	5.2	5.5	5.9	6.3	6.6	7.0	7.4	7.7
-23.75°	4.8	4.8	4.8	5.1	5.5	5.8	6.2	6.6	6.9	7.3	7.6
-25°	4.8	4.8	4.8	5.1	5.4	5.8	6.1	6.5	6.9	7.2	7.6
-26.25°	4.7	4.8	4.8	5.0	5.4	5.7	6.1	6.4	6.8	7.1	7.5
-27.5°	4.6	4.8	4.8	5.0	5.3	5.7	6.0	6.3	6.7	7.0	7.4
-28.75°	4.5	4.8	4.8	4.9	5.2	5.6	5.9	6.3	6.6	7.0	7.3
-30°	4.4	4.8	4.8	4.8	5.2	5.5	5.9	6.2	6.5	6.9	7.2
-31.25°	4.3	4.8	4.8	4.8	5.1	5.4	5.8	6.1	6.4	6.8	7.1
-32.5°	4.2	4.8	4.8	4.8	5.0	5.4	5.7	6.0	6.4	6.7	7.0
-33.75°	4.1	4.8	4.8	4.8	5.0	5.3	5.6	5.9	6.3	6.6	6.9
-35°	4.0	4.6	4.8	4.8	4.9	5.2	5.5	5.8	6.2	6.5	6.8
-36.25°	3.9	4.5	4.8	4.8	4.8	5.1	5.4	5.8	6.1	6.4	6.7
-37.5°	3.8	4.4	4.8	4.8	4.8	5.0	5.3	5.7	6.0	6.3	6.6
-38.75°	3.6	4.3	4.8	4.8	4.8	5.0	5.3	5.6	5.9	6.2	6.5
-40°	3.5	4.1	4.7	4.8	4.8	4.9	5.2	5.5	5.8	6.0	6.3
-41.25°	3.4	4.0	4.6	4.8	4.8	4.8	5.1	5.4	5.6	5.9	6.2
-42.5°	3.3	3.8	4.4	4.8	4.8	4.8	5.0	5.2	5.5	5.8	6.1
-43.75°	3.2	3.7	4.3	4.8	4.8	4.8	4.9	5.1	5.4	5.7	6.0
-45°	3.1	3.5	4.1	4.7	4.8	4.8	4.8	5.0	5.3	5.6	5.8
-46.25°	3.0	3.4	3.9	4.5	4.8	4.8	4.8	4.9	5.2	5.4	5.7
-47.5°	3.0	3.2	3.8	4.3	4.8	4.8	4.8	4.8	5.1	5.3	5.6
-48.75°	2.9	3.1	3.6	4.1	4.6	4.8	4.8	4.8	4.9	5.2	5.4
-50°	2.8	3.1	3.4	3.9	4.4	4.8	4.8	4.8	4.8	5.0	5.3
-51.25°	2.7	3.0	3.3	3.7	4.2	4.7	4.8	4.8	4.8	4.9	5.1
-52.5°	2.7	2.9	3.1	3.6	4.0	4.5	4.8	4.8	4.8	4.8	5.0
-53.75°	2.6	2.8	3.0	3.4	3.8	4.3	4.7	4.8	4.8	4.8	4.9
-55°	2.5	2.7	3.0	3.2	3.6	4.0	4.5	4.8	4.8	4.8	4.8
-56.25°	2.4	2.6	2.9	3.1	3.4	3.8	4.2	4.7	4.8	4.8	4.8
-57.5°	2.3	2.6	2.8	3.0	3.2	3.6	4.0	4.4	4.8	4.8	4.8
-58.75°	2.3	2.5	2.7	2.9	3.1	3.3	3.7	4.1	4.5	4.8	4.8
-60°	2.2	2.4	2.6	2.8	3.0	3.2	3.5	3.9	4.2	4.6	4.8
-61.25°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.6	3.9	4.3	4.7
-62.5°	2.0	2.2	2.4	2.6	2.7	2.9	3.1	3.3	3.7	4.0	4.3
-63.75°	1.9	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.4	3.7	4.0
-65°	1.8	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1	3.4	3.7
-66.25°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.4
-67.5°	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1
-68.75°	1.6	1.7	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0
-70°	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.7	2.8
-71.25°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.6
-72.5°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-73.75°	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3
-75°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-76.25°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9
-77.5°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
-80°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4
-81.25°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
85°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
83.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
82.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
81.25°	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.7	1.8
80°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
78.75°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3
77.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
76.25°	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.7	2.8
75°	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1
73.75°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.3	3.4
72.5°	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.4	3.6	3.7	3.9
71.25°	2.7	2.8	3.0	3.1	3.2	3.4	3.6	3.8	4.0	4.2	4.4
70°	2.9	3.0	3.2	3.3	3.6	3.8	4.0	4.3	4.5	4.7	4.8
68.75°	3.1	3.2	3.5	3.7	4.0	4.2	4.5	4.7	4.8	4.8	4.8
67.5°	3.3	3.6	3.9	4.1	4.4	4.7	4.8	4.8	4.8	4.8	4.8
66.25°	3.7	3.9	4.2	4.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8
65°	4.0	4.3	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0
63.75°	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.3
62.5°	4.7	4.8	4.8	4.8	4.8	4.8	4.9	5.1	5.2	5.4	5.5
61.25°	4.8	4.8	4.8	4.8	4.8	5.0	5.1	5.3	5.4	5.6	5.8
60°	4.8	4.8	4.8	4.8	5.0	5.2	5.3	5.5	5.7	5.8	6.0
58.75°	4.8	4.8	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.2
57.5°	4.8	4.8	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.3	6.5
56.25°	4.8	5.0	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.7
55°	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9
53.75°	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.8	7.0	7.1
52.5°	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.8	7.0	7.2	7.4
51.25°	5.4	5.6	5.8	6.1	6.3	6.5	6.7	7.0	7.2	7.4	7.6
50°	5.5	5.8	6.0	6.2	6.5	6.7	6.9	7.1	7.4	7.6	7.8
48.75°	5.7	5.9	6.2	6.4	6.6	6.9	7.1	7.3	7.6	7.8	8.0
47.5°	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.5	7.8	8.0	8.2
46.25°	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.2	8.4
45°	6.1	6.4	6.6	6.9	7.1	7.4	7.7	7.9	8.2	8.4	8.7
43.75°	6.2	6.5	6.8	7.0	7.3	7.6	7.8	8.1	8.3	8.6	8.9
42.5°	6.4	6.6	6.9	7.2	7.5	7.7	8.0	8.3	8.5	8.8	9.1
41.25°	6.5	6.8	7.1	7.3	7.6	7.9	8.2	8.4	8.7	9.0	9.2
40°	6.6	6.9	7.2	7.5	7.8	8.1	8.3	8.6	8.9	9.2	9.4
38.75°	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.6
37.5°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.2	9.5	9.8
36.25°	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0
35°	7.1	7.4	7.7	8.0	8.4	8.7	9.0	9.3	9.6	9.9	10.2



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	7.2	7.5	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.3
32.5°	7.3	7.7	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.5
31.25°	7.4	7.8	8.1	8.4	8.8	9.1	9.4	9.7	10.0	10.4	10.7
30°	7.5	7.9	8.2	8.5	8.9	9.2	9.5	9.9	10.2	10.5	10.8
28.75°	7.6	8.0	8.3	8.7	9.0	9.3	9.7	10.0	10.3	10.7	11.0
27.5°	7.7	8.1	8.4	8.8	9.1	9.4	9.8	10.1	10.5	10.8	11.1
26.25°	7.8	8.2	8.5	8.9	9.2	9.6	9.9	10.2	10.6	10.9	11.3
25°	7.9	8.3	8.6	9.0	9.3	9.7	10.0	10.4	10.7	11.1	11.4
23.75°	8.0	8.4	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5
22.5°	8.1	8.4	8.8	9.2	9.5	9.9	10.2	10.6	11.0	11.3	11.7
21.25°	8.2	8.5	8.9	9.3	9.6	10.0	10.3	10.7	11.1	11.4	11.8
20°	8.2	8.6	9.0	9.3	9.7	10.1	10.4	10.8	11.2	11.5	11.9
18.75°	8.3	8.7	9.0	9.4	9.8	10.2	10.5	10.9	11.3	11.6	12.0
17.5°	8.4	8.7	9.1	9.5	9.9	10.2	10.6	11.0	11.4	11.7	12.0
16.25°	8.4	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.4	11.8	12.0
15°	8.5	8.9	9.2	9.6	10.0	10.4	10.8	11.1	11.5	11.9	12.0
13.75°	8.5	8.9	9.3	9.7	10.1	10.5	10.8	11.2	11.6	12.0	12.0
12.5°	8.6	9.0	9.4	9.7	10.1	10.5	10.9	11.3	11.7	12.0	12.0
11.25°	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.3	11.7	12.0	12.0
10°	8.7	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.0	12.0
8.75°	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.0	12.0
7.5°	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.0	12.0
6.25°	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.0	12.0
5°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.5	11.9	12.0	12.0
3.75°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.0	12.0
2.5°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.0	12.0
1.25°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.0	12.0
0°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.0	12.0
-1.25°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.0	12.0
-2.5°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.0	12.0
-3.75°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.0	12.0
-5°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.5	11.9	12.0	12.0
-6.25°	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.0	12.0
-7.5°	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.0	12.0
-8.75°	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.0	12.0
-10°	8.7	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.0	12.0
-11.25°	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.3	11.7	12.0	12.0
-12.5°	8.6	9.0	9.4	9.7	10.1	10.5	10.9	11.3	11.7	12.0	12.0
-13.75°	8.5	8.9	9.3	9.7	10.1	10.5	10.8	11.2	11.6	12.0	12.0
-15°	8.5	8.9	9.2	9.6	10.0	10.4	10.8	11.1	11.5	11.9	12.0
-16.25°	8.4	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.4	11.8	12.0
-17.5°	8.4	8.7	9.1	9.5	9.9	10.2	10.6	11.0	11.4	11.7	12.0
-18.75°	8.3	8.7	9.0	9.4	9.8	10.2	10.5	10.9	11.3	11.6	12.0
-20°	8.2	8.6	9.0	9.3	9.7	10.1	10.4	10.8	11.2	11.5	11.9
-21.25°	8.2	8.5	8.9	9.3	9.6	10.0	10.3	10.7	11.1	11.4	11.8





REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	8.1	8.4	8.8	9.2	9.5	9.9	10.2	10.6	11.0	11.3	11.7
-23.75°	8.0	8.4	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5
-25°	7.9	8.3	8.6	9.0	9.3	9.7	10.0	10.4	10.7	11.1	11.4
-26.25°	7.8	8.2	8.5	8.9	9.2	9.6	9.9	10.2	10.6	10.9	11.3
-27.5°	7.7	8.1	8.4	8.8	9.1	9.4	9.8	10.1	10.5	10.8	11.1
-28.75°	7.6	8.0	8.3	8.7	9.0	9.3	9.7	10.0	10.3	10.7	11.0
-30°	7.5	7.9	8.2	8.5	8.9	9.2	9.5	9.9	10.2	10.5	10.8
-31.25°	7.4	7.8	8.1	8.4	8.8	9.1	9.4	9.7	10.0	10.4	10.7
-32.5°	7.3	7.7	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.5
-33.75°	7.2	7.5	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.3
-35°	7.1	7.4	7.7	8.0	8.4	8.7	9.0	9.3	9.6	9.9	10.2
-36.25°	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0
-37.5°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.2	9.5	9.8
-38.75°	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.6
-40°	6.6	6.9	7.2	7.5	7.8	8.1	8.3	8.6	8.9	9.2	9.4
-41.25°	6.5	6.8	7.1	7.3	7.6	7.9	8.2	8.4	8.7	9.0	9.2
-42.5°	6.4	6.6	6.9	7.2	7.5	7.7	8.0	8.3	8.5	8.8	9.1
-43.75°	6.2	6.5	6.8	7.0	7.3	7.6	7.8	8.1	8.3	8.6	8.9
-45°	6.1	6.4	6.6	6.9	7.1	7.4	7.7	7.9	8.2	8.4	8.7
-46.25°	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.2	8.4
-47.5°	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.5	7.8	8.0	8.2
-48.75°	5.7	5.9	6.2	6.4	6.6	6.9	7.1	7.3	7.6	7.8	8.0
-50°	5.5	5.8	6.0	6.2	6.5	6.7	6.9	7.1	7.4	7.6	7.8
-51.25°	5.4	5.6	5.8	6.1	6.3	6.5	6.7	7.0	7.2	7.4	7.6
-52.5°	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.8	7.0	7.2	7.4
-53.75°	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.8	7.0	7.1
-55°	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9
-56.25°	4.8	5.0	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.7
-57.5°	4.8	4.8	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.3	6.5
-58.75°	4.8	4.8	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.2
-60°	4.8	4.8	4.8	4.8	5.0	5.2	5.3	5.5	5.7	5.8	6.0
-61.25°	4.8	4.8	4.8	4.8	4.8	5.0	5.1	5.3	5.4	5.6	5.8
-62.5°	4.7	4.8	4.8	4.8	4.8	4.8	4.9	5.1	5.2	5.4	5.5
-63.75°	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.3
-65°	4.0	4.3	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0
-66.25°	3.7	3.9	4.2	4.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-67.5°	3.3	3.6	3.9	4.1	4.4	4.7	4.8	4.8	4.8	4.8	4.8
-68.75°	3.1	3.2	3.5	3.7	4.0	4.2	4.5	4.7	4.8	4.8	4.8
-70°	2.9	3.0	3.2	3.3	3.6	3.8	4.0	4.3	4.5	4.7	4.8
-71.25°	2.7	2.8	3.0	3.1	3.2	3.4	3.6	3.8	4.0	4.2	4.4
-72.5°	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.4	3.6	3.7	3.9
-73.75°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.3	3.4
-75°	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1
-76.25°	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.7	2.8
-77.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3
-80°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
-81.25°	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.7	1.8
-82.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
-83.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
-85°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
85°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
83.75°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
82.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
81.25°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
80°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.6
78.75°	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.8	2.8	2.8	2.9
77.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
76.25°	2.9	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9
75°	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.5
73.75°	3.6	3.8	3.9	4.1	4.3	4.4	4.6	4.7	4.8	4.8	4.8
72.5°	4.1	4.3	4.5	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8
71.25°	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.0	5.1
68.75°	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.4
67.5°	4.8	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8
66.25°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.8	5.9	6.0	6.1
65°	5.2	5.3	5.4	5.6	5.7	5.8	5.9	6.0	6.2	6.3	6.4
63.75°	5.4	5.6	5.7	5.8	6.0	6.1	6.2	6.3	6.5	6.6	6.7
62.5°	5.7	5.8	6.0	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
61.25°	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.1	7.2	7.3
60°	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3	7.5	7.6
58.75°	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.8	7.9
57.5°	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8	7.9	8.1	8.2
56.25°	6.9	7.1	7.2	7.4	7.6	7.7	7.9	8.1	8.2	8.4	8.5
55°	7.1	7.3	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.7	8.8
53.75°	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.6	8.8	9.0	9.1
52.5°	7.6	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.1	9.2	9.4
51.25°	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7
50°	8.0	8.2	8.4	8.7	8.9	9.1	9.2	9.4	9.6	9.8	10.0
48.75°	8.2	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3
47.5°	8.5	8.7	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6
46.25°	8.7	8.9	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8
45°	8.9	9.1	9.4	9.6	9.8	10.1	10.3	10.5	10.7	10.9	11.1
43.75°	9.1	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.2	11.4
42.5°	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.2	11.5	11.7
41.25°	9.5	9.8	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.7	11.9
40°	9.7	10.0	10.2	10.5	10.8	11.0	11.3	11.5	11.7	12.0	12.0
38.75°	9.9	10.2	10.4	10.7	11.0	11.2	11.5	11.7	12.0	12.0	12.0
37.5°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	12.0	12.0	12.0
36.25°	10.3	10.6	10.8	11.1	11.4	11.7	11.9	12.0	12.0	12.0	12.2
35°	10.5	10.8	11.0	11.3	11.6	11.9	12.0	12.0	12.0	12.2	12.4



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	10.6	10.9	11.2	11.5	11.8	12.0	12.0	12.0	12.1	12.4	12.7
32.5°	10.8	11.1	11.4	11.7	12.0	12.0	12.0	12.1	12.4	12.6	12.9
31.25°	11.0	11.3	11.6	11.9	12.0	12.0	12.0	12.3	12.6	12.9	13.1
30°	11.1	11.5	11.8	12.0	12.0	12.0	12.2	12.5	12.8	13.1	13.4
28.75°	11.3	11.6	11.9	12.0	12.0	12.1	12.4	12.7	13.0	13.3	13.6
27.5°	11.5	11.8	12.0	12.0	12.0	12.3	12.6	12.9	13.2	13.5	13.8
26.25°	11.6	11.9	12.0	12.0	12.1	12.4	12.8	13.1	13.4	13.7	14.0
25°	11.7	12.0	12.0	12.0	12.3	12.6	12.9	13.3	13.6	13.9	14.2
23.75°	11.9	12.0	12.0	12.1	12.4	12.8	13.1	13.4	13.8	14.1	14.4
22.5°	12.0	12.0	12.0	12.3	12.6	12.9	13.3	13.6	14.0	14.3	14.8
21.25°	12.0	12.0	12.0	12.4	12.7	13.1	13.4	13.8	14.1	14.5	15.2
20°	12.0	12.0	12.2	12.5	12.9	13.2	13.6	13.9	14.3	14.8	15.5
18.75°	12.0	12.0	12.3	12.7	13.0	13.4	13.7	14.1	14.5	15.2	15.9
17.5°	12.0	12.0	12.4	12.8	13.1	13.5	13.9	14.2	14.8	15.5	16.3
16.25°	12.0	12.1	12.5	12.9	13.3	13.6	14.0	14.4	15.0	15.8	16.7
15°	12.0	12.2	12.6	13.0	13.4	13.7	14.1	14.5	15.3	16.0	17.2
13.75°	12.0	12.3	12.7	13.1	13.5	13.8	14.2	14.8	15.5	16.4	17.6
12.5°	12.0	12.4	12.8	13.2	13.6	13.9	14.3	15.0	15.7	16.8	17.9
11.25°	12.1	12.5	12.9	13.3	13.6	14.0	14.4	15.2	15.9	17.1	18.3
10°	12.2	12.5	12.9	13.3	13.7	14.1	14.6	15.3	16.2	17.4	18.7
8.75°	12.2	12.6	13.0	13.4	13.8	14.2	14.7	15.5	16.4	17.6	19.2
7.5°	12.3	12.7	13.1	13.4	13.8	14.2	14.8	15.6	16.6	17.9	19.6
6.25°	12.3	12.7	13.1	13.5	13.9	14.3	15.0	15.7	16.8	18.1	20.0
5°	12.3	12.7	13.1	13.5	13.9	14.3	15.0	15.8	17.0	18.2	20.3
3.75°	12.4	12.8	13.2	13.6	14.0	14.4	15.1	15.9	17.1	18.3	20.6
2.5°	12.4	12.8	13.2	13.6	14.0	14.4	15.2	16.0	17.2	18.4	20.8
1.25°	12.4	12.8	13.2	13.6	14.0	14.4	15.2	16.0	17.2	18.5	20.9
0°	12.4	12.8	13.2	13.6	14.0	14.4	15.2	16.0	17.3	18.5	20.9
-1.25°	12.4	12.8	13.2	13.6	14.0	14.4	15.2	16.0	17.2	18.5	20.9
-2.5°	12.4	12.8	13.2	13.6	14.0	14.4	15.2	16.0	17.2	18.4	20.8
-3.75°	12.4	12.8	13.2	13.6	14.0	14.4	15.1	15.9	17.1	18.3	20.6
-5°	12.3	12.7	13.1	13.5	13.9	14.3	15.0	15.8	17.0	18.2	20.3
-6.25°	12.3	12.7	13.1	13.5	13.9	14.3	15.0	15.7	16.8	18.1	20.0
-7.5°	12.3	12.7	13.1	13.4	13.8	14.2	14.8	15.6	16.6	17.9	19.6
-8.75°	12.2	12.6	13.0	13.4	13.8	14.2	14.7	15.5	16.4	17.6	19.2
-10°	12.2	12.5	12.9	13.3	13.7	14.1	14.6	15.3	16.2	17.4	18.7
-11.25°	12.1	12.5	12.9	13.3	13.6	14.0	14.4	15.2	15.9	17.1	18.3
-12.5°	12.0	12.4	12.8	13.2	13.6	13.9	14.3	15.0	15.7	16.8	17.9
-13.75°	12.0	12.3	12.7	13.1	13.5	13.8	14.2	14.8	15.5	16.4	17.6
-15°	12.0	12.2	12.6	13.0	13.4	13.7	14.1	14.5	15.3	16.0	17.2
-16.25°	12.0	12.1	12.5	12.9	13.3	13.6	14.0	14.4	15.0	15.8	16.7
-17.5°	12.0	12.0	12.4	12.8	13.1	13.5	13.9	14.2	14.8	15.5	16.3
-18.75°	12.0	12.0	12.3	12.7	13.0	13.4	13.7	14.1	14.5	15.2	15.9
-20°	12.0	12.0	12.2	12.5	12.9	13.2	13.6	13.9	14.3	14.8	15.5
-21.25°	12.0	12.0	12.0	12.4	12.7	13.1	13.4	13.8	14.1	14.5	15.2



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	12.0	12.0	12.0	12.3	12.6	12.9	13.3	13.6	14.0	14.3	14.8
-23.75°	11.9	12.0	12.0	12.1	12.4	12.8	13.1	13.4	13.8	14.1	14.4
-25°	11.7	12.0	12.0	12.0	12.3	12.6	12.9	13.3	13.6	13.9	14.2
-26.25°	11.6	11.9	12.0	12.0	12.1	12.4	12.8	13.1	13.4	13.7	14.0
-27.5°	11.5	11.8	12.0	12.0	12.0	12.3	12.6	12.9	13.2	13.5	13.8
-28.75°	11.3	11.6	11.9	12.0	12.0	12.1	12.4	12.7	13.0	13.3	13.6
-30°	11.1	11.5	11.8	12.0	12.0	12.0	12.2	12.5	12.8	13.1	13.4
-31.25°	11.0	11.3	11.6	11.9	12.0	12.0	12.0	12.3	12.6	12.9	13.1
-32.5°	10.8	11.1	11.4	11.7	12.0	12.0	12.0	12.1	12.4	12.6	12.9
-33.75°	10.6	10.9	11.2	11.5	11.8	12.0	12.0	12.0	12.1	12.4	12.7
-35°	10.5	10.8	11.0	11.3	11.6	11.9	12.0	12.0	12.0	12.2	12.4
-36.25°	10.3	10.6	10.8	11.1	11.4	11.7	11.9	12.0	12.0	12.0	12.2
-37.5°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	12.0	12.0	12.0
-38.75°	9.9	10.2	10.4	10.7	11.0	11.2	11.5	11.7	12.0	12.0	12.0
-40°	9.7	10.0	10.2	10.5	10.8	11.0	11.3	11.5	11.7	12.0	12.0
-41.25°	9.5	9.8	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.7	11.9
-42.5°	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.2	11.5	11.7
-43.75°	9.1	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.2	11.4
-45°	8.9	9.1	9.4	9.6	9.8	10.1	10.3	10.5	10.7	10.9	11.1
-46.25°	8.7	8.9	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8
-47.5°	8.5	8.7	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6
-48.75°	8.2	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3
-50°	8.0	8.2	8.4	8.7	8.9	9.1	9.2	9.4	9.6	9.8	10.0
-51.25°	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7
-52.5°	7.6	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.1	9.2	9.4
-53.75°	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.6	8.8	9.0	9.1
-55°	7.1	7.3	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.7	8.8
-56.25°	6.9	7.1	7.2	7.4	7.6	7.7	7.9	8.1	8.2	8.4	8.5
-57.5°	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8	7.9	8.1	8.2
-58.75°	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.8	7.9
-60°	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3	7.5	7.6
-61.25°	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.1	7.2	7.3
-62.5°	5.7	5.8	6.0	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
-63.75°	5.4	5.6	5.7	5.8	6.0	6.1	6.2	6.3	6.5	6.6	6.7
-65°	5.2	5.3	5.4	5.6	5.7	5.8	5.9	6.0	6.2	6.3	6.4
-66.25°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.8	5.9	6.0	6.1
-67.5°	4.8	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8
-68.75°	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.4
-70°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.0	5.1
-71.25°	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-72.5°	4.1	4.3	4.5	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-73.75°	3.6	3.8	3.9	4.1	4.3	4.4	4.6	4.7	4.8	4.8	4.8
-75°	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.5
-76.25°	2.9	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9
-77.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.8	2.8	2.8	2.9
-80°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.6
-81.25°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
-82.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
-83.75°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
-85°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
-86.25°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
-87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5
83.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
81.25°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6
80°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
78.75°	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.4	3.4
77.5°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2
76.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.8
75°	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
73.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
71.25°	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5
70°	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.8	5.9
68.75°	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.3
67.5°	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.6	6.6
66.25°	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0
65°	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.4
63.75°	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7
62.5°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
61.25°	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4
60°	7.7	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
58.75°	8.0	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.1	9.2
57.5°	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5
56.25°	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.6	9.7	9.8	9.9
55°	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2
53.75°	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6
52.5°	9.6	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.7	10.8	11.0
51.25°	9.9	10.0	10.2	10.4	10.5	10.7	10.8	10.9	11.1	11.2	11.3
50°	10.2	10.3	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.5	11.7
48.75°	10.5	10.6	10.8	11.0	11.1	11.3	11.5	11.6	11.7	11.9	12.0
47.5°	10.8	10.9	11.1	11.3	11.5	11.6	11.8	11.9	12.0	12.0	12.0
46.25°	11.0	11.2	11.4	11.6	11.8	11.9	12.0	12.0	12.0	12.0	12.0
45°	11.3	11.5	11.7	11.9	12.0	12.0	12.0	12.0	12.0	12.1	12.3
43.75°	11.6	11.8	12.0	12.0	12.0	12.0	12.0	12.1	12.3	12.4	12.6
42.5°	11.9	12.0	12.0	12.0	12.0	12.1	12.3	12.4	12.6	12.8	12.9
41.25°	12.0	12.0	12.0	12.0	12.2	12.4	12.6	12.8	12.9	13.1	13.3
40°	12.0	12.0	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.4	13.6
38.75°	12.0	12.1	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0
37.5°	12.2	12.4	12.6	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3
36.25°	12.4	12.7	12.9	13.1	13.4	13.6	13.8	14.0	14.2	14.4	14.8
35°	12.7	12.9	13.2	13.4	13.7	13.9	14.1	14.3	14.7	15.1	15.5



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	12.9	13.2	13.4	13.7	13.9	14.2	14.4	14.9	15.3	15.7	16.2
32.5°	13.2	13.4	13.7	14.0	14.2	14.5	15.0	15.5	15.9	16.5	17.2
31.25°	13.4	13.7	14.0	14.2	14.6	15.1	15.6	16.1	16.8	17.5	18.2
30°	13.7	13.9	14.2	14.6	15.1	15.6	16.2	17.0	17.7	18.4	19.7
28.75°	13.9	14.2	14.5	15.1	15.6	16.2	17.0	17.8	18.7	20.2	21.6
27.5°	14.1	14.4	15.0	15.6	16.2	17.0	17.9	18.9	20.4	21.9	23.4
26.25°	14.3	14.9	15.5	16.1	17.0	17.8	18.9	20.5	22.1	23.8	26.1
25°	14.7	15.3	15.9	16.8	17.7	18.7	20.4	22.1	23.9	26.3	28.7
23.75°	15.1	15.7	16.5	17.5	18.4	20.2	21.9	23.8	26.3	28.8	31.9
22.5°	15.5	16.2	17.2	18.2	19.7	21.6	23.4	26.1	28.7	31.9	36.8
21.25°	15.9	16.8	17.8	19.1	21.0	22.9	25.5	28.2	31.3	36.5	41.7
20°	16.3	17.4	18.4	20.3	22.3	24.7	27.5	30.3	35.6	41.0	47.3
18.75°	16.9	17.9	19.5	21.5	23.6	26.5	29.4	34.1	39.8	45.7	55.1
17.5°	17.4	18.5	20.5	22.6	25.3	28.3	32.1	38.0	43.8	52.7	68.9
16.25°	17.9	19.4	21.5	23.8	26.9	30.0	35.6	41.6	49.5	63.6	90.9
15°	18.3	20.3	22.4	25.2	28.4	32.6	38.9	45.2	56.4	78.2	117.2
13.75°	18.9	21.1	23.3	26.6	29.8	35.6	42.0	50.7	67.2	100.4	146.6
12.5°	19.7	21.9	24.5	27.8	31.8	38.4	44.9	56.8	81.3	124.3	170.7
11.25°	20.3	22.6	25.6	29.0	34.2	40.9	49.3	65.6	99.5	148.5	191.7
10°	20.9	23.2	26.6	30.1	36.4	43.2	53.4	74.3	118.0	167.8	205.8
8.75°	21.5	24.1	27.5	31.5	38.4	45.5	59.1	88.5	136.9	184.2	218.3
7.5°	22.0	24.8	28.3	33.1	40.1	48.5	65.1	100.9	153.5	197.0	229.3
6.25°	22.4	25.4	29.0	34.5	41.5	51.1	70.3	112.2	165.4	205.9	238.7
5°	22.7	26.0	29.5	35.6	42.7	53.2	76.0	123.4	175.1	213.3	246.6
3.75°	23.0	26.4	29.9	36.5	43.7	55.1	82.6	132.1	182.7	219.1	252.8
2.5°	23.2	26.7	30.3	37.2	44.4	57.4	87.3	138.4	188.2	223.3	257.2
1.25°	23.3	26.8	30.4	37.6	44.8	58.7	90.1	142.2	191.5	225.9	259.9
0°	23.3	26.9	30.5	37.7	44.9	59.2	91.1	143.5	192.6	226.7	260.8
-1.25°	23.3	26.8	30.4	37.6	44.8	58.7	90.1	142.2	191.5	225.9	259.9
-2.5°	23.2	26.7	30.3	37.2	44.4	57.4	87.3	138.4	188.2	223.3	257.2
-3.75°	23.0	26.4	29.9	36.5	43.7	55.1	82.6	132.1	182.7	219.1	252.8
-5°	22.7	26.0	29.5	35.6	42.7	53.2	76.0	123.4	175.1	213.3	246.6
-6.25°	22.4	25.4	29.0	34.5	41.5	51.1	70.3	112.2	165.4	205.9	238.7
-7.5°	22.0	24.8	28.3	33.1	40.1	48.5	65.1	100.9	153.5	197.0	229.3
-8.75°	21.5	24.1	27.5	31.5	38.4	45.5	59.1	88.5	136.9	184.2	218.3
-10°	20.9	23.2	26.6	30.1	36.4	43.2	53.4	74.3	118.0	167.8	205.8
-11.25°	20.3	22.6	25.6	29.0	34.2	40.9	49.3	65.6	99.5	148.5	191.7
-12.5°	19.7	21.9	24.5	27.8	31.8	38.4	44.9	56.8	81.3	124.3	170.7
-13.75°	18.9	21.1	23.3	26.6	29.8	35.6	42.0	50.7	67.2	100.4	146.6
-15°	18.3	20.3	22.4	25.2	28.4	32.6	38.9	45.2	56.4	78.2	117.2
-16.25°	17.9	19.4	21.5	23.8	26.9	30.0	35.6	41.6	49.5	63.6	90.9
-17.5°	17.4	18.5	20.5	22.6	25.3	28.3	32.1	38.0	43.8	52.7	68.9
-18.75°	16.9	17.9	19.5	21.5	23.6	26.5	29.4	34.1	39.8	45.7	55.1
-20°	16.3	17.4	18.4	20.3	22.3	24.7	27.5	30.3	35.6	41.0	47.3
-21.25°	15.9	16.8	17.8	19.1	21.0	22.9	25.5	28.2	31.3	36.5	41.7





REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	15.5	16.2	17.2	18.2	19.7	21.6	23.4	26.1	28.7	31.9	36.8
-23.75°	15.1	15.7	16.5	17.5	18.4	20.2	21.9	23.8	26.3	28.8	31.9
-25°	14.7	15.3	15.9	16.8	17.7	18.7	20.4	22.1	23.9	26.3	28.7
-26.25°	14.3	14.9	15.5	16.1	17.0	17.8	18.9	20.5	22.1	23.8	26.1
-27.5°	14.1	14.4	15.0	15.6	16.2	17.0	17.9	18.9	20.4	21.9	23.4
-28.75°	13.9	14.2	14.5	15.1	15.6	16.2	17.0	17.8	18.7	20.2	21.6
-30°	13.7	13.9	14.2	14.6	15.1	15.6	16.2	17.0	17.7	18.4	19.7
-31.25°	13.4	13.7	14.0	14.2	14.6	15.1	15.6	16.1	16.8	17.5	18.2
-32.5°	13.2	13.4	13.7	14.0	14.2	14.5	15.0	15.5	15.9	16.5	17.2
-33.75°	12.9	13.2	13.4	13.7	13.9	14.2	14.4	14.9	15.3	15.7	16.2
-35°	12.7	12.9	13.2	13.4	13.7	13.9	14.1	14.3	14.7	15.1	15.5
-36.25°	12.4	12.7	12.9	13.1	13.4	13.6	13.8	14.0	14.2	14.4	14.8
-37.5°	12.2	12.4	12.6	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3
-38.75°	12.0	12.1	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0
-40°	12.0	12.0	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.4	13.6
-41.25°	12.0	12.0	12.0	12.0	12.2	12.4	12.6	12.8	12.9	13.1	13.3
-42.5°	11.9	12.0	12.0	12.0	12.0	12.1	12.3	12.4	12.6	12.8	12.9
-43.75°	11.6	11.8	12.0	12.0	12.0	12.0	12.0	12.1	12.3	12.4	12.6
-45°	11.3	11.5	11.7	11.9	12.0	12.0	12.0	12.0	12.0	12.1	12.3
-46.25°	11.0	11.2	11.4	11.6	11.8	11.9	12.0	12.0	12.0	12.0	12.0
-47.5°	10.8	10.9	11.1	11.3	11.5	11.6	11.8	11.9	12.0	12.0	12.0
-48.75°	10.5	10.6	10.8	11.0	11.1	11.3	11.5	11.6	11.7	11.9	12.0
-50°	10.2	10.3	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.5	11.7
-51.25°	9.9	10.0	10.2	10.4	10.5	10.7	10.8	10.9	11.1	11.2	11.3
-52.5°	9.6	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.7	10.8	11.0
-53.75°	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6
-55°	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2
-56.25°	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.6	9.7	9.8	9.9
-57.5°	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5
-58.75°	8.0	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.1	9.2
-60°	7.7	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
-61.25°	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4
-62.5°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
-63.75°	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7
-65°	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.4
-66.25°	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0
-67.5°	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.6	6.6
-68.75°	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.3
-70°	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.8	5.9
-71.25°	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5
-72.5°	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
-73.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-75°	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-76.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.8
-77.5°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2



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**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.4	3.4
-80°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
-81.25°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6
-82.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
-83.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
-85°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5
-86.25°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
83.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
82.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
81.25°	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8
80°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
78.75°	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9
77.5°	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7
76.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
73.75°	4.8	4.9	4.9	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.1
72.5°	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.5
71.25°	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	5.9
70°	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3
68.75°	6.3	6.4	6.4	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.7
67.5°	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1
66.25°	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5
65°	7.4	7.5	7.5	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9
63.75°	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3
62.5°	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7
61.25°	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.0	9.1
60°	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.4	9.4	9.4	9.5
58.75°	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9
57.5°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.2	10.3
56.25°	10.0	10.1	10.2	10.2	10.3	10.4	10.5	10.5	10.6	10.6	10.7
55°	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.0	11.1
53.75°	10.7	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4	11.4
52.5°	11.1	11.2	11.3	11.4	11.4	11.5	11.6	11.7	11.7	11.8	11.8
51.25°	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.0	12.0	12.0	12.0
50°	11.8	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
48.75°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.1	12.2	12.2
47.5°	12.0	12.0	12.0	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.6
46.25°	12.0	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	12.9	13.0
45°	12.4	12.5	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.3	13.4
43.75°	12.7	12.9	13.0	13.1	13.3	13.4	13.5	13.6	13.6	13.7	13.8
42.5°	13.1	13.2	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2
41.25°	13.4	13.6	13.7	13.9	14.0	14.1	14.2	14.3	14.4	14.6	14.7
40°	13.8	13.9	14.1	14.2	14.4	14.5	14.8	15.0	15.2	15.3	15.5
38.75°	14.1	14.3	14.5	14.8	15.0	15.3	15.5	15.7	15.9	16.2	16.4
37.5°	14.5	14.8	15.2	15.5	15.8	16.0	16.4	16.8	17.1	17.4	17.6
36.25°	15.2	15.5	15.9	16.3	16.7	17.2	17.6	17.9	18.3	18.7	19.2
35°	15.9	16.3	16.9	17.4	17.9	18.3	18.9	19.7	20.3	20.9	21.5



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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	16.8	17.4	17.9	18.5	19.4	20.3	21.1	21.9	22.6	23.2	24.1
32.5°	17.8	18.4	19.5	20.5	21.5	22.4	23.3	24.5	25.6	26.6	27.5
31.25°	19.1	20.3	21.5	22.6	23.8	25.2	26.6	27.8	29.0	30.1	31.5
30°	21.0	22.3	23.6	25.3	26.9	28.4	29.8	31.8	34.2	36.4	38.4
28.75°	22.9	24.7	26.5	28.3	30.0	32.6	35.6	38.4	40.9	43.2	45.5
27.5°	25.5	27.5	29.4	32.1	35.6	38.9	42.0	44.9	49.3	53.4	59.1
26.25°	28.2	30.3	34.1	38.0	41.6	45.2	50.7	56.8	65.6	74.3	88.5
25°	31.3	35.6	39.8	43.8	49.5	56.4	67.2	81.3	99.5	118.0	136.9
23.75°	36.5	41.0	45.7	52.7	63.6	78.2	100.4	124.3	148.5	167.8	184.2
22.5°	41.7	47.3	55.1	68.9	90.9	117.2	146.6	170.7	191.7	205.8	218.3
21.25°	47.8	57.2	72.1	99.4	131.1	162.1	187.5	206.1	222.0	236.6	249.8
20°	57.2	73.3	103.7	139.5	171.6	197.7	216.9	234.9	251.7	269.9	289.8
18.75°	72.1	103.7	142.3	176.4	203.0	224.2	244.3	264.4	289.7	313.1	334.2
17.5°	99.4	139.5	176.4	204.8	227.9	250.0	275.6	304.2	331.0	355.7	389.7
16.25°	131.1	171.6	203.0	227.9	251.9	281.3	313.0	343.1	378.9	420.6	474.7
15°	162.1	197.7	224.2	250.0	281.3	316.0	349.3	394.1	450.4	514.9	598.3
13.75°	187.5	216.9	244.3	275.6	313.0	349.3	399.3	465.6	549.2	648.8	775.4
12.5°	206.1	234.9	264.4	304.2	343.1	394.1	465.6	560.8	683.2	832.1	1017.4
11.25°	222.0	251.7	289.7	331.0	378.9	450.4	549.2	683.2	857.0	1069.7	1315.6
10°	236.6	269.9	313.1	355.7	420.6	514.9	648.8	832.1	1069.7	1350.3	1644.5
8.75°	249.8	289.8	334.2	389.7	474.7	598.3	775.4	1017.4	1315.6	1644.5	1966.0
7.5°	261.7	307.6	353.1	421.8	528.9	687.7	914.8	1213.1	1561.5	1921.0	2258.9
6.25°	276.1	322.8	375.7	461.3	589.9	780.9	1052.3	1399.8	1788.7	2166.7	2511.7
5°	288.1	335.6	397.3	494.4	642.0	873.4	1192.0	1577.7	1984.5	2373.6	2718.3
3.75°	297.5	345.6	414.4	525.1	699.8	959.0	1307.8	1720.8	2141.0	2531.9	2877.3
2.5°	304.3	352.9	429.2	552.4	741.8	1021.4	1393.5	1826.4	2253.6	2645.4	2995.6
1.25°	308.4	357.2	439.9	569.0	767.3	1059.3	1451.8	1891.1	2322.6	2715.6	3066.5
0°	309.8	358.7	443.5	574.5	775.9	1072.0	1471.4	1912.9	2346.0	2739.3	3090.1
-1.25°	308.4	357.2	439.9	569.0	767.3	1059.3	1451.8	1891.1	2322.6	2715.6	3066.5
-2.5°	304.3	352.9	429.2	552.4	741.8	1021.4	1393.5	1826.4	2253.6	2645.4	2995.6
-3.75°	297.5	345.6	414.4	525.1	699.8	959.0	1307.8	1720.8	2141.0	2531.9	2877.3
-5°	288.1	335.6	397.3	494.4	642.0	873.4	1192.0	1577.7	1984.5	2373.6	2718.3
-6.25°	276.1	322.8	375.7	461.3	589.9	780.9	1052.3	1399.8	1788.7	2166.7	2511.7
-7.5°	261.7	307.6	353.1	421.8	528.9	687.7	914.8	1213.1	1561.5	1921.0	2258.9
-8.75°	249.8	289.8	334.2	389.7	474.7	598.3	775.4	1017.4	1315.6	1644.5	1966.0
-10°	236.6	269.9	313.1	355.7	420.6	514.9	648.8	832.1	1069.7	1350.3	1644.5
-11.25°	222.0	251.7	289.7	331.0	378.9	450.4	549.2	683.2	857.0	1069.7	1315.6
-12.5°	206.1	234.9	264.4	304.2	343.1	394.1	465.6	560.8	683.2	832.1	1017.4
-13.75°	187.5	216.9	244.3	275.6	313.0	349.3	399.3	465.6	549.2	648.8	775.4
-15°	162.1	197.7	224.2	250.0	281.3	316.0	349.3	394.1	450.4	514.9	598.3
-16.25°	131.1	171.6	203.0	227.9	251.9	281.3	313.0	343.1	378.9	420.6	474.7
-17.5°	99.4	139.5	176.4	204.8	227.9	250.0	275.6	304.2	331.0	355.7	389.7
-18.75°	72.1	103.7	142.3	176.4	203.0	224.2	244.3	264.4	289.7	313.1	334.2
-20°	57.2	73.3	103.7	139.5	171.6	197.7	216.9	234.9	251.7	269.9	289.8
-21.25°	47.8	57.2	72.1	99.4	131.1	162.1	187.5	206.1	222.0	236.6	249.8



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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	41.7	47.3	55.1	68.9	90.9	117.2	146.6	170.7	191.7	205.8	218.3
-23.75°	36.5	41.0	45.7	52.7	63.6	78.2	100.4	124.3	148.5	167.8	184.2
-25°	31.3	35.6	39.8	43.8	49.5	56.4	67.2	81.3	99.5	118.0	136.9
-26.25°	28.2	30.3	34.1	38.0	41.6	45.2	50.7	56.8	65.6	74.3	88.5
-27.5°	25.5	27.5	29.4	32.1	35.6	38.9	42.0	44.9	49.3	53.4	59.1
-28.75°	22.9	24.7	26.5	28.3	30.0	32.6	35.6	38.4	40.9	43.2	45.5
-30°	21.0	22.3	23.6	25.3	26.9	28.4	29.8	31.8	34.2	36.4	38.4
-31.25°	19.1	20.3	21.5	22.6	23.8	25.2	26.6	27.8	29.0	30.1	31.5
-32.5°	17.8	18.4	19.5	20.5	21.5	22.4	23.3	24.5	25.6	26.6	27.5
-33.75°	16.8	17.4	17.9	18.5	19.4	20.3	21.1	21.9	22.6	23.2	24.1
-35°	15.9	16.3	16.9	17.4	17.9	18.3	18.9	19.7	20.3	20.9	21.5
-36.25°	15.2	15.5	15.9	16.3	16.7	17.2	17.6	17.9	18.3	18.7	19.2
-37.5°	14.5	14.8	15.2	15.5	15.8	16.0	16.4	16.8	17.1	17.4	17.6
-38.75°	14.1	14.3	14.5	14.8	15.0	15.3	15.5	15.7	15.9	16.2	16.4
-40°	13.8	13.9	14.1	14.2	14.4	14.5	14.8	15.0	15.2	15.3	15.5
-41.25°	13.4	13.6	13.7	13.9	14.0	14.1	14.2	14.3	14.4	14.6	14.7
-42.5°	13.1	13.2	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2
-43.75°	12.7	12.9	13.0	13.1	13.3	13.4	13.5	13.6	13.6	13.7	13.8
-45°	12.4	12.5	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.3	13.4
-46.25°	12.0	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	12.9	13.0
-47.5°	12.0	12.0	12.0	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.6
-48.75°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.1	12.2	12.2
-50°	11.8	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
-51.25°	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.0	12.0	12.0	12.0
-52.5°	11.1	11.2	11.3	11.4	11.4	11.5	11.6	11.7	11.7	11.8	11.8
-53.75°	10.7	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4	11.4
-55°	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.0	11.1
-56.25°	10.0	10.1	10.2	10.2	10.3	10.4	10.5	10.5	10.6	10.6	10.7
-57.5°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.2	10.3
-58.75°	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9
-60°	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.4	9.4	9.4	9.5
-61.25°	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.0	9.1
-62.5°	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7
-63.75°	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3
-65°	7.4	7.5	7.5	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9
-66.25°	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5
-67.5°	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1
-68.75°	6.3	6.4	6.4	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.7
-70°	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3
-71.25°	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	5.9
-72.5°	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.5
-73.75°	4.8	4.9	4.9	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.1
-75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-76.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-77.5°	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9
-80°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
-81.25°	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8
-82.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
-83.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
-85°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
-86.25°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
81.25°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
78.75°	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
77.5°	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
76.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
72.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
71.25°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
68.75°	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
67.5°	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
66.25°	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
65°	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
63.75°	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
62.5°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
61.25°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
60°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
58.75°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
57.5°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
56.25°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
55°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
53.75°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
52.5°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
51.25°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
50°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
48.75°	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.3
47.5°	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.7
46.25°	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1
45°	13.4	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5
43.75°	13.8	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
42.5°	14.2	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.3
41.25°	14.8	15.0	15.0	15.1	15.2	15.2	15.2	15.2	15.2	15.1	15.0
40°	15.6	15.7	15.8	15.9	16.0	16.0	16.0	16.0	16.0	15.9	15.8
38.75°	16.6	16.8	17.0	17.1	17.2	17.2	17.3	17.2	17.2	17.1	17.0
37.5°	17.9	18.1	18.2	18.3	18.4	18.5	18.5	18.5	18.4	18.3	18.2
36.25°	19.6	20.0	20.3	20.6	20.8	20.9	20.9	20.9	20.8	20.6	20.3
35°	22.0	22.4	22.7	23.0	23.2	23.3	23.3	23.3	23.2	23.0	22.7



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	24.8	25.4	26.0	26.4	26.7	26.8	26.9	26.8	26.7	26.4	26.0
32.5°	28.3	29.0	29.5	29.9	30.3	30.4	30.5	30.4	30.3	29.9	29.5
31.25°	33.1	34.5	35.6	36.5	37.2	37.6	37.7	37.6	37.2	36.5	35.6
30°	40.1	41.5	42.7	43.7	44.4	44.8	44.9	44.8	44.4	43.7	42.7
28.75°	48.5	51.1	53.2	55.1	57.4	58.7	59.2	58.7	57.4	55.1	53.2
27.5°	65.1	70.3	76.0	82.6	87.3	90.1	91.1	90.1	87.3	82.6	76.0
26.25°	100.9	112.2	123.4	132.1	138.4	142.2	143.5	142.2	138.4	132.1	123.4
25°	153.5	165.4	175.1	182.7	188.2	191.5	192.6	191.5	188.2	182.7	175.1
23.75°	197.0	205.9	213.3	219.1	223.3	225.9	226.7	225.9	223.3	219.1	213.3
22.5°	229.3	238.7	246.6	252.8	257.2	259.9	260.8	259.9	257.2	252.8	246.6
21.25°	261.7	276.1	288.1	297.5	304.3	308.4	309.8	308.4	304.3	297.5	288.1
20°	307.6	322.8	335.6	345.6	352.9	357.2	358.7	357.2	352.9	345.6	335.6
18.75°	353.1	375.7	397.3	414.4	429.2	439.9	443.5	439.9	429.2	414.4	397.3
17.5°	421.8	461.3	494.4	525.1	552.4	569.0	574.5	569.0	552.4	525.1	494.4
16.25°	528.9	589.9	642.0	699.8	741.8	767.3	775.9	767.3	741.8	699.8	642.0
15°	687.7	780.9	873.4	959.0	1021.4	1059.3	1072.0	1059.3	1021.4	959.0	873.4
13.75°	914.8	1052.3	1192.0	1307.8	1393.5	1451.8	1471.4	1451.8	1393.5	1307.8	1192.0
12.5°	1213.1	1399.8	1577.7	1720.8	1826.4	1891.1	1912.9	1891.1	1826.4	1720.8	1577.7
11.25°	1561.5	1788.7	1984.5	2141.0	2253.6	2322.6	2346.0	2322.6	2253.6	2141.0	1984.5
10°	1921.0	2166.7	2373.6	2531.9	2645.4	2715.6	2739.3	2715.6	2645.4	2531.9	2373.6
8.75°	2258.9	2511.7	2718.3	2877.3	2995.6	3066.5	3090.1	3066.5	2995.6	2877.3	2718.3
7.5°	2557.1	2809.9	3021.6	3188.8	3314.1	3387.4	3412.5	3387.4	3314.1	3188.8	3021.6
6.25°	2809.9	3068.7	3291.1	3464.9	3593.4	3671.2	3698.1	3671.2	3593.4	3464.9	3291.1
5°	3021.6	3291.1	3518.2	3698.7	3831.9	3915.7	3945.3	3915.7	3831.9	3698.7	3518.2
3.75°	3188.8	3464.9	3698.7	3887.2	4026.1	4114.9	4140.4	4114.9	4026.1	3887.2	3698.7
2.5°	3314.1	3593.4	3831.9	4026.1	4167.5	4253.7	4280.7	4253.7	4167.5	4026.1	3831.9
1.25°	3387.4	3671.2	3915.7	4114.9	4253.7	4341.1	4374.0	4341.1	4253.7	4114.9	3915.7
0°	3412.5	3698.1	3945.3	4140.4	4280.7	4374.0	4420.3	4374.0	4280.7	4140.4	3945.3
-1.25°	3387.4	3671.2	3915.7	4114.9	4253.7	4341.1	4374.0	4341.1	4253.7	4114.9	3915.7
-2.5°	3314.1	3593.4	3831.9	4026.1	4167.5	4253.7	4280.7	4253.7	4167.5	4026.1	3831.9
-3.75°	3188.8	3464.9	3698.7	3887.2	4026.1	4114.9	4140.4	4114.9	4026.1	3887.2	3698.7
-5°	3021.6	3291.1	3518.2	3698.7	3831.9	3915.7	3945.3	3915.7	3831.9	3698.7	3518.2
-6.25°	2809.9	3068.7	3291.1	3464.9	3593.4	3671.2	3698.1	3671.2	3593.4	3464.9	3291.1
-7.5°	2557.1	2809.9	3021.6	3188.8	3314.1	3387.4	3412.5	3387.4	3314.1	3188.8	3021.6
-8.75°	2258.9	2511.7	2718.3	2877.3	2995.6	3066.5	3090.1	3066.5	2995.6	2877.3	2718.3
-10°	1921.0	2166.7	2373.6	2531.9	2645.4	2715.6	2739.3	2715.6	2645.4	2531.9	2373.6
-11.25°	1561.5	1788.7	1984.5	2141.0	2253.6	2322.6	2346.0	2322.6	2253.6	2141.0	1984.5
-12.5°	1213.1	1399.8	1577.7	1720.8	1826.4	1891.1	1912.9	1891.1	1826.4	1720.8	1577.7
-13.75°	914.8	1052.3	1192.0	1307.8	1393.5	1451.8	1471.4	1451.8	1393.5	1307.8	1192.0
-15°	687.7	780.9	873.4	959.0	1021.4	1059.3	1072.0	1059.3	1021.4	959.0	873.4
-16.25°	528.9	589.9	642.0	699.8	741.8	767.3	775.9	767.3	741.8	699.8	642.0
-17.5°	421.8	461.3	494.4	525.1	552.4	569.0	574.5	569.0	552.4	525.1	494.4
-18.75°	353.1	375.7	397.3	414.4	429.2	439.9	443.5	439.9	429.2	414.4	397.3
-20°	307.6	322.8	335.6	345.6	352.9	357.2	358.7	357.2	352.9	345.6	335.6
-21.25°	261.7	276.1	288.1	297.5	304.3	308.4	309.8	308.4	304.3	297.5	288.1





REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	229.3	238.7	246.6	252.8	257.2	259.9	260.8	259.9	257.2	252.8	246.6
-23.75°	197.0	205.9	213.3	219.1	223.3	225.9	226.7	225.9	223.3	219.1	213.3
-25°	153.5	165.4	175.1	182.7	188.2	191.5	192.6	191.5	188.2	182.7	175.1
-26.25°	100.9	112.2	123.4	132.1	138.4	142.2	143.5	142.2	138.4	132.1	123.4
-27.5°	65.1	70.3	76.0	82.6	87.3	90.1	91.1	90.1	87.3	82.6	76.0
-28.75°	48.5	51.1	53.2	55.1	57.4	58.7	59.2	58.7	57.4	55.1	53.2
-30°	40.1	41.5	42.7	43.7	44.4	44.8	44.9	44.8	44.4	43.7	42.7
-31.25°	33.1	34.5	35.6	36.5	37.2	37.6	37.7	37.6	37.2	36.5	35.6
-32.5°	28.3	29.0	29.5	29.9	30.3	30.4	30.5	30.4	30.3	29.9	29.5
-33.75°	24.8	25.4	26.0	26.4	26.7	26.8	26.9	26.8	26.7	26.4	26.0
-35°	22.0	22.4	22.7	23.0	23.2	23.3	23.3	23.3	23.2	23.0	22.7
-36.25°	19.6	20.0	20.3	20.6	20.8	20.9	20.9	20.9	20.8	20.6	20.3
-37.5°	17.9	18.1	18.2	18.3	18.4	18.5	18.5	18.5	18.4	18.3	18.2
-38.75°	16.6	16.8	17.0	17.1	17.2	17.2	17.3	17.2	17.2	17.1	17.0
-40°	15.6	15.7	15.8	15.9	16.0	16.0	16.0	16.0	16.0	15.9	15.8
-41.25°	14.8	15.0	15.0	15.1	15.2	15.2	15.2	15.2	15.2	15.1	15.0
-42.5°	14.2	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.3
-43.75°	13.8	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
-45°	13.4	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5
-46.25°	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1
-47.5°	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.7
-48.75°	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.3
-50°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
-51.25°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
-52.5°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
-53.75°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
-55°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
-56.25°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
-57.5°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-58.75°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-60°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-61.25°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-62.5°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-63.75°	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
-65°	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-66.25°	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-67.5°	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
-68.75°	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
-70°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-71.25°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-72.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-76.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-77.5°	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
-81.25°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
-82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
83.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
82.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
81.25°	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
78.75°	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6
77.5°	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4	4.4
76.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
73.75°	5.2	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	5.0	4.9
72.5°	5.6	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3
71.25°	6.0	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7
70°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.0
68.75°	6.8	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.5	6.5	6.4
67.5°	7.2	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.8
66.25°	7.6	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.2
65°	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.5
63.75°	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.9
62.5°	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3
61.25°	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7
60°	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.2	9.2	9.1	9.0
58.75°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.4
57.5°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8
56.25°	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.2	10.2
55°	11.1	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7	10.6	10.5
53.75°	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	10.9
52.5°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.5	11.4	11.4	11.3
51.25°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6
50°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
48.75°	12.3	12.3	12.2	12.2	12.1	12.0	12.0	12.0	12.0	12.0	12.0
47.5°	12.7	12.7	12.6	12.5	12.5	12.4	12.3	12.2	12.1	12.0	12.0
46.25°	13.1	13.1	13.0	12.9	12.9	12.8	12.7	12.6	12.5	12.4	12.3
45°	13.5	13.4	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.8	12.7
43.75°	13.9	13.8	13.8	13.7	13.6	13.6	13.5	13.4	13.3	13.1	13.0
42.5°	14.3	14.2	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.4
41.25°	15.0	14.8	14.7	14.6	14.4	14.3	14.2	14.1	14.0	13.9	13.7
40°	15.7	15.6	15.5	15.3	15.2	15.0	14.8	14.5	14.4	14.2	14.1
38.75°	16.8	16.6	16.4	16.2	15.9	15.7	15.5	15.3	15.0	14.8	14.5
37.5°	18.1	17.9	17.6	17.4	17.1	16.8	16.4	16.0	15.8	15.5	15.2
36.25°	20.0	19.6	19.2	18.7	18.3	17.9	17.6	17.2	16.7	16.3	15.9
35°	22.4	22.0	21.5	20.9	20.3	19.7	18.9	18.3	17.9	17.4	16.9



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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°	25.4	24.8	24.1	23.2	22.6	21.9	21.1	20.3	19.4	18.5	17.9
32.5°	29.0	28.3	27.5	26.6	25.6	24.5	23.3	22.4	21.5	20.5	19.5
31.25°	34.5	33.1	31.5	30.1	29.0	27.8	26.6	25.2	23.8	22.6	21.5
30°	41.5	40.1	38.4	36.4	34.2	31.8	29.8	28.4	26.9	25.3	23.6
28.75°	51.1	48.5	45.5	43.2	40.9	38.4	35.6	32.6	30.0	28.3	26.5
27.5°	70.3	65.1	59.1	53.4	49.3	44.9	42.0	38.9	35.6	32.1	29.4
26.25°	112.2	100.9	88.5	74.3	65.6	56.8	50.7	45.2	41.6	38.0	34.1
25°	165.4	153.5	136.9	118.0	99.5	81.3	67.2	56.4	49.5	43.8	39.8
23.75°	205.9	197.0	184.2	167.8	148.5	124.3	100.4	78.2	63.6	52.7	45.7
22.5°	238.7	229.3	218.3	205.8	191.7	170.7	146.6	117.2	90.9	68.9	55.1
21.25°	276.1	261.7	249.8	236.6	222.0	206.1	187.5	162.1	131.1	99.4	72.1
20°	322.8	307.6	289.8	269.9	251.7	234.9	216.9	197.7	171.6	139.5	103.7
18.75°	375.7	353.1	334.2	313.1	289.7	264.4	244.3	224.2	203.0	176.4	142.3
17.5°	461.3	421.8	389.7	355.7	331.0	304.2	275.6	250.0	227.9	204.8	176.4
16.25°	589.9	528.9	474.7	420.6	378.9	343.1	313.0	281.3	251.9	227.9	203.0
15°	780.9	687.7	598.3	514.9	450.4	394.1	349.3	316.0	281.3	250.0	224.2
13.75°	1052.3	914.8	775.4	648.8	549.2	465.6	399.3	349.3	313.0	275.6	244.3
12.5°	1399.8	1213.1	1017.4	832.1	683.2	560.8	465.6	394.1	343.1	304.2	264.4
11.25°	1788.7	1561.5	1315.6	1069.7	857.0	683.2	549.2	450.4	378.9	331.0	289.7
10°	2166.7	1921.0	1644.5	1350.3	1069.7	832.1	648.8	514.9	420.6	355.7	313.1
8.75°	2511.7	2258.9	1966.0	1644.5	1315.6	1017.4	775.4	598.3	474.7	389.7	334.2
7.5°	2809.9	2557.1	2258.9	1921.0	1561.5	1213.1	914.8	687.7	528.9	421.8	353.1
6.25°	3068.7	2809.9	2511.7	2166.7	1788.7	1399.8	1052.3	780.9	589.9	461.3	375.7
5°	3291.1	3021.6	2718.3	2373.6	1984.5	1577.7	1192.0	873.4	642.0	494.4	397.3
3.75°	3464.9	3188.8	2877.3	2531.9	2141.0	1720.8	1307.8	959.0	699.8	525.1	414.4
2.5°	3593.4	3314.1	2995.6	2645.4	2253.6	1826.4	1393.5	1021.4	741.8	552.4	429.2
1.25°	3671.2	3387.4	3066.5	2715.6	2322.6	1891.1	1451.8	1059.3	767.3	569.0	439.9
0°	3698.1	3412.5	3090.1	2739.3	2346.0	1912.9	1471.4	1072.0	775.9	574.5	443.5
-1.25°	3671.2	3387.4	3066.5	2715.6	2322.6	1891.1	1451.8	1059.3	767.3	569.0	439.9
-2.5°	3593.4	3314.1	2995.6	2645.4	2253.6	1826.4	1393.5	1021.4	741.8	552.4	429.2
-3.75°	3464.9	3188.8	2877.3	2531.9	2141.0	1720.8	1307.8	959.0	699.8	525.1	414.4
-5°	3291.1	3021.6	2718.3	2373.6	1984.5	1577.7	1192.0	873.4	642.0	494.4	397.3
-6.25°	3068.7	2809.9	2511.7	2166.7	1788.7	1399.8	1052.3	780.9	589.9	461.3	375.7
-7.5°	2809.9	2557.1	2258.9	1921.0	1561.5	1213.1	914.8	687.7	528.9	421.8	353.1
-8.75°	2511.7	2258.9	1966.0	1644.5	1315.6	1017.4	775.4	598.3	474.7	389.7	334.2
-10°	2166.7	1921.0	1644.5	1350.3	1069.7	832.1	648.8	514.9	420.6	355.7	313.1
-11.25°	1788.7	1561.5	1315.6	1069.7	857.0	683.2	549.2	450.4	378.9	331.0	289.7
-12.5°	1399.8	1213.1	1017.4	832.1	683.2	560.8	465.6	394.1	343.1	304.2	264.4
-13.75°	1052.3	914.8	775.4	648.8	549.2	465.6	399.3	349.3	313.0	275.6	244.3
-15°	780.9	687.7	598.3	514.9	450.4	394.1	349.3	316.0	281.3	250.0	224.2
-16.25°	589.9	528.9	474.7	420.6	378.9	343.1	313.0	281.3	251.9	227.9	203.0
-17.5°	461.3	421.8	389.7	355.7	331.0	304.2	275.6	250.0	227.9	204.8	176.4
-18.75°	375.7	353.1	334.2	313.1	289.7	264.4	244.3	224.2	203.0	176.4	142.3
-20°	322.8	307.6	289.8	269.9	251.7	234.9	216.9	197.7	171.6	139.5	103.7
-21.25°	276.1	261.7	249.8	236.6	222.0	206.1	187.5	162.1	131.1	99.4	72.1



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	238.7	229.3	218.3	205.8	191.7	170.7	146.6	117.2	90.9	68.9	55.1
-23.75°	205.9	197.0	184.2	167.8	148.5	124.3	100.4	78.2	63.6	52.7	45.7
-25°	165.4	153.5	136.9	118.0	99.5	81.3	67.2	56.4	49.5	43.8	39.8
-26.25°	112.2	100.9	88.5	74.3	65.6	56.8	50.7	45.2	41.6	38.0	34.1
-27.5°	70.3	65.1	59.1	53.4	49.3	44.9	42.0	38.9	35.6	32.1	29.4
-28.75°	51.1	48.5	45.5	43.2	40.9	38.4	35.6	32.6	30.0	28.3	26.5
-30°	41.5	40.1	38.4	36.4	34.2	31.8	29.8	28.4	26.9	25.3	23.6
-31.25°	34.5	33.1	31.5	30.1	29.0	27.8	26.6	25.2	23.8	22.6	21.5
-32.5°	29.0	28.3	27.5	26.6	25.6	24.5	23.3	22.4	21.5	20.5	19.5
-33.75°	25.4	24.8	24.1	23.2	22.6	21.9	21.1	20.3	19.4	18.5	17.9
-35°	22.4	22.0	21.5	20.9	20.3	19.7	18.9	18.3	17.9	17.4	16.9
-36.25°	20.0	19.6	19.2	18.7	18.3	17.9	17.6	17.2	16.7	16.3	15.9
-37.5°	18.1	17.9	17.6	17.4	17.1	16.8	16.4	16.0	15.8	15.5	15.2
-38.75°	16.8	16.6	16.4	16.2	15.9	15.7	15.5	15.3	15.0	14.8	14.5
-40°	15.7	15.6	15.5	15.3	15.2	15.0	14.8	14.5	14.4	14.2	14.1
-41.25°	15.0	14.8	14.7	14.6	14.4	14.3	14.2	14.1	14.0	13.9	13.7
-42.5°	14.3	14.2	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.4
-43.75°	13.9	13.8	13.8	13.7	13.6	13.6	13.5	13.4	13.3	13.1	13.0
-45°	13.5	13.4	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.8	12.7
-46.25°	13.1	13.1	13.0	12.9	12.9	12.8	12.7	12.6	12.5	12.4	12.3
-47.5°	12.7	12.7	12.6	12.5	12.5	12.4	12.3	12.2	12.1	12.0	12.0
-48.75°	12.3	12.3	12.2	12.2	12.1	12.0	12.0	12.0	12.0	12.0	12.0
-50°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
-51.25°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6
-52.5°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.5	11.4	11.4	11.3
-53.75°	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	10.9
-55°	11.1	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7	10.6	10.5
-56.25°	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.2	10.2
-57.5°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8
-58.75°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.4
-60°	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.2	9.2	9.1	9.0
-61.25°	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7
-62.5°	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3
-63.75°	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.9
-65°	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.5
-66.25°	7.6	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.2
-67.5°	7.2	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.8
-68.75°	6.8	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.5	6.5	6.4
-70°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.0
-71.25°	6.0	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7
-72.5°	5.6	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3
-73.75°	5.2	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	5.0	4.9
-75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-76.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-77.5°	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4	4.4



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6
-80°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
-81.25°	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-82.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-83.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
85°	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3
83.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
82.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
81.25°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
80°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
78.75°	3.6	3.5	3.4	3.4	3.3	3.2	3.2	3.2	3.1	3.1	3.0
77.5°	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5
76.25°	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
73.75°	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.8
71.25°	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2	5.1	5.0
70°	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.5	5.4	5.4
68.75°	6.4	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.9	5.8	5.7
67.5°	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.3	6.2	6.1	6.0
66.25°	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.6	6.5	6.4	6.4
65°	7.5	7.4	7.4	7.3	7.2	7.1	7.0	7.0	6.9	6.8	6.7
63.75°	7.9	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.2	7.1	7.0
62.5°	8.2	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3
61.25°	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7
60°	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
58.75°	9.3	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.5	8.4	8.3
57.5°	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.6
56.25°	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	9.1	8.9
55°	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4	9.3
53.75°	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.7	9.6
52.5°	11.2	11.1	11.0	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.9
51.25°	11.5	11.4	11.3	11.2	11.1	10.9	10.8	10.7	10.5	10.4	10.2
50°	11.9	11.8	11.7	11.5	11.4	11.3	11.1	11.0	10.8	10.7	10.5
48.75°	12.0	12.0	12.0	11.9	11.7	11.6	11.5	11.3	11.1	11.0	10.8
47.5°	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.6	11.5	11.3	11.1
46.25°	12.2	12.0	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.6	11.4
45°	12.5	12.4	12.3	12.1	12.0	12.0	12.0	12.0	12.0	11.9	11.7
43.75°	12.9	12.7	12.6	12.4	12.3	12.1	12.0	12.0	12.0	12.0	12.0
42.5°	13.2	13.1	12.9	12.8	12.6	12.4	12.3	12.1	12.0	12.0	12.0
41.25°	13.6	13.4	13.3	13.1	12.9	12.8	12.6	12.4	12.2	12.0	12.0
40°	13.9	13.8	13.6	13.4	13.3	13.1	12.9	12.7	12.5	12.3	12.1
38.75°	14.3	14.1	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4
37.5°	14.8	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.6
36.25°	15.5	15.2	14.8	14.4	14.2	14.0	13.8	13.6	13.4	13.1	12.9
35°	16.3	15.9	15.5	15.1	14.7	14.3	14.1	13.9	13.7	13.4	13.2



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	17.4	16.8	16.2	15.7	15.3	14.9	14.4	14.2	13.9	13.7	13.4
32.5°	18.4	17.8	17.2	16.5	15.9	15.5	15.0	14.5	14.2	14.0	13.7
31.25°	20.3	19.1	18.2	17.5	16.8	16.1	15.6	15.1	14.6	14.2	14.0
30°	22.3	21.0	19.7	18.4	17.7	17.0	16.2	15.6	15.1	14.6	14.2
28.75°	24.7	22.9	21.6	20.2	18.7	17.8	17.0	16.2	15.6	15.1	14.5
27.5°	27.5	25.5	23.4	21.9	20.4	18.9	17.9	17.0	16.2	15.6	15.0
26.25°	30.3	28.2	26.1	23.8	22.1	20.5	18.9	17.8	17.0	16.1	15.5
25°	35.6	31.3	28.7	26.3	23.9	22.1	20.4	18.7	17.7	16.8	15.9
23.75°	41.0	36.5	31.9	28.8	26.3	23.8	21.9	20.2	18.4	17.5	16.5
22.5°	47.3	41.7	36.8	31.9	28.7	26.1	23.4	21.6	19.7	18.2	17.2
21.25°	57.2	47.8	41.7	36.5	31.3	28.2	25.5	22.9	21.0	19.1	17.8
20°	73.3	57.2	47.3	41.0	35.6	30.3	27.5	24.7	22.3	20.3	18.4
18.75°	103.7	72.1	55.1	45.7	39.8	34.1	29.4	26.5	23.6	21.5	19.5
17.5°	139.5	99.4	68.9	52.7	43.8	38.0	32.1	28.3	25.3	22.6	20.5
16.25°	171.6	131.1	90.9	63.6	49.5	41.6	35.6	30.0	26.9	23.8	21.5
15°	197.7	162.1	117.2	78.2	56.4	45.2	38.9	32.6	28.4	25.2	22.4
13.75°	216.9	187.5	146.6	100.4	67.2	50.7	42.0	35.6	29.8	26.6	23.3
12.5°	234.9	206.1	170.7	124.3	81.3	56.8	44.9	38.4	31.8	27.8	24.5
11.25°	251.7	222.0	191.7	148.5	99.5	65.6	49.3	40.9	34.2	29.0	25.6
10°	269.9	236.6	205.8	167.8	118.0	74.3	53.4	43.2	36.4	30.1	26.6
8.75°	289.8	249.8	218.3	184.2	136.9	88.5	59.1	45.5	38.4	31.5	27.5
7.5°	307.6	261.7	229.3	197.0	153.5	100.9	65.1	48.5	40.1	33.1	28.3
6.25°	322.8	276.1	238.7	205.9	165.4	112.2	70.3	51.1	41.5	34.5	29.0
5°	335.6	288.1	246.6	213.3	175.1	123.4	76.0	53.2	42.7	35.6	29.5
3.75°	345.6	297.5	252.8	219.1	182.7	132.1	82.6	55.1	43.7	36.5	29.9
2.5°	352.9	304.3	257.2	223.3	188.2	138.4	87.3	57.4	44.4	37.2	30.3
1.25°	357.2	308.4	259.9	225.9	191.5	142.2	90.1	58.7	44.8	37.6	30.4
0°	358.7	309.8	260.8	226.7	192.6	143.5	91.1	59.2	44.9	37.7	30.5
-1.25°	357.2	308.4	259.9	225.9	191.5	142.2	90.1	58.7	44.8	37.6	30.4
-2.5°	352.9	304.3	257.2	223.3	188.2	138.4	87.3	57.4	44.4	37.2	30.3
-3.75°	345.6	297.5	252.8	219.1	182.7	132.1	82.6	55.1	43.7	36.5	29.9
-5°	335.6	288.1	246.6	213.3	175.1	123.4	76.0	53.2	42.7	35.6	29.5
-6.25°	322.8	276.1	238.7	205.9	165.4	112.2	70.3	51.1	41.5	34.5	29.0
-7.5°	307.6	261.7	229.3	197.0	153.5	100.9	65.1	48.5	40.1	33.1	28.3
-8.75°	289.8	249.8	218.3	184.2	136.9	88.5	59.1	45.5	38.4	31.5	27.5
-10°	269.9	236.6	205.8	167.8	118.0	74.3	53.4	43.2	36.4	30.1	26.6
-11.25°	251.7	222.0	191.7	148.5	99.5	65.6	49.3	40.9	34.2	29.0	25.6
-12.5°	234.9	206.1	170.7	124.3	81.3	56.8	44.9	38.4	31.8	27.8	24.5
-13.75°	216.9	187.5	146.6	100.4	67.2	50.7	42.0	35.6	29.8	26.6	23.3
-15°	197.7	162.1	117.2	78.2	56.4	45.2	38.9	32.6	28.4	25.2	22.4
-16.25°	171.6	131.1	90.9	63.6	49.5	41.6	35.6	30.0	26.9	23.8	21.5
-17.5°	139.5	99.4	68.9	52.7	43.8	38.0	32.1	28.3	25.3	22.6	20.5
-18.75°	103.7	72.1	55.1	45.7	39.8	34.1	29.4	26.5	23.6	21.5	19.5
-20°	73.3	57.2	47.3	41.0	35.6	30.3	27.5	24.7	22.3	20.3	18.4
-21.25°	57.2	47.8	41.7	36.5	31.3	28.2	25.5	22.9	21.0	19.1	17.8





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

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	47.3	41.7	36.8	31.9	28.7	26.1	23.4	21.6	19.7	18.2	17.2
-23.75°	41.0	36.5	31.9	28.8	26.3	23.8	21.9	20.2	18.4	17.5	16.5
-25°	35.6	31.3	28.7	26.3	23.9	22.1	20.4	18.7	17.7	16.8	15.9
-26.25°	30.3	28.2	26.1	23.8	22.1	20.5	18.9	17.8	17.0	16.1	15.5
-27.5°	27.5	25.5	23.4	21.9	20.4	18.9	17.9	17.0	16.2	15.6	15.0
-28.75°	24.7	22.9	21.6	20.2	18.7	17.8	17.0	16.2	15.6	15.1	14.5
-30°	22.3	21.0	19.7	18.4	17.7	17.0	16.2	15.6	15.1	14.6	14.2
-31.25°	20.3	19.1	18.2	17.5	16.8	16.1	15.6	15.1	14.6	14.2	14.0
-32.5°	18.4	17.8	17.2	16.5	15.9	15.5	15.0	14.5	14.2	14.0	13.7
-33.75°	17.4	16.8	16.2	15.7	15.3	14.9	14.4	14.2	13.9	13.7	13.4
-35°	16.3	15.9	15.5	15.1	14.7	14.3	14.1	13.9	13.7	13.4	13.2
-36.25°	15.5	15.2	14.8	14.4	14.2	14.0	13.8	13.6	13.4	13.1	12.9
-37.5°	14.8	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.6
-38.75°	14.3	14.1	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4
-40°	13.9	13.8	13.6	13.4	13.3	13.1	12.9	12.7	12.5	12.3	12.1
-41.25°	13.6	13.4	13.3	13.1	12.9	12.8	12.6	12.4	12.2	12.0	12.0
-42.5°	13.2	13.1	12.9	12.8	12.6	12.4	12.3	12.1	12.0	12.0	12.0
-43.75°	12.9	12.7	12.6	12.4	12.3	12.1	12.0	12.0	12.0	12.0	12.0
-45°	12.5	12.4	12.3	12.1	12.0	12.0	12.0	12.0	12.0	11.9	11.7
-46.25°	12.2	12.0	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.6	11.4
-47.5°	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.6	11.5	11.3	11.1
-48.75°	12.0	12.0	12.0	11.9	11.7	11.6	11.5	11.3	11.1	11.0	10.8
-50°	11.9	11.8	11.7	11.5	11.4	11.3	11.1	11.0	10.8	10.7	10.5
-51.25°	11.5	11.4	11.3	11.2	11.1	10.9	10.8	10.7	10.5	10.4	10.2
-52.5°	11.2	11.1	11.0	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.9
-53.75°	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.7	9.6
-55°	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4	9.3
-56.25°	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	9.1	8.9
-57.5°	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.6
-58.75°	9.3	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.5	8.4	8.3
-60°	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
-61.25°	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7
-62.5°	8.2	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3
-63.75°	7.9	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.2	7.1	7.0
-65°	7.5	7.4	7.4	7.3	7.2	7.1	7.0	7.0	6.9	6.8	6.7
-66.25°	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.6	6.5	6.4	6.4
-67.5°	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.3	6.2	6.1	6.0
-68.75°	6.4	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.9	5.8	5.7
-70°	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.5	5.4	5.4
-71.25°	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2	5.1	5.0
-72.5°	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.8
-73.75°	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-76.25°	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-77.5°	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	3.6	3.5	3.4	3.4	3.3	3.2	3.2	3.2	3.1	3.1	3.0
-80°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
-81.25°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
-82.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
-83.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
-85°	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3
-86.25°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
85°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
83.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
82.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
81.25°	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
80°	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2
78.75°	3.0	2.9	2.9	2.8	2.8	2.8	2.7	2.6	2.6	2.5	2.5
77.5°	3.4	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
76.25°	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.1	3.0
75°	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.5	3.4
73.75°	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.4	4.3	4.1	3.9
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.5
71.25°	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.8	4.8	4.8	4.8
68.75°	5.6	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.8
67.5°	5.9	5.8	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0	4.9
66.25°	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.3	5.2
65°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.6	5.4
63.75°	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	6.0	5.8	5.7
62.5°	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	6.0
61.25°	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.6	6.5	6.4	6.2
60°	7.9	7.7	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6	6.5
58.75°	8.2	8.0	7.9	7.8	7.6	7.5	7.3	7.2	7.0	6.9	6.7
57.5°	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.5	7.3	7.1	7.0
56.25°	8.8	8.7	8.5	8.4	8.2	8.1	7.9	7.7	7.6	7.4	7.2
55°	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8	7.7	7.5
53.75°	9.4	9.3	9.1	9.0	8.8	8.6	8.4	8.3	8.1	7.9	7.7
52.5°	9.7	9.6	9.4	9.2	9.1	8.9	8.7	8.5	8.3	8.2	8.0
51.25°	10.0	9.9	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.2
50°	10.3	10.2	10.0	9.8	9.6	9.4	9.2	9.1	8.9	8.7	8.4
48.75°	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7
47.5°	10.9	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1	8.9
46.25°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1
45°	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.8	9.6	9.4
43.75°	11.8	11.6	11.4	11.2	11.0	10.8	10.5	10.3	10.1	9.8	9.6
42.5°	12.0	11.9	11.7	11.5	11.2	11.0	10.8	10.5	10.3	10.1	9.8
41.25°	12.0	12.0	11.9	11.7	11.5	11.3	11.0	10.8	10.5	10.3	10.0
40°	12.0	12.0	12.0	12.0	11.7	11.5	11.3	11.0	10.8	10.5	10.2
38.75°	12.1	12.0	12.0	12.0	12.0	11.7	11.5	11.2	11.0	10.7	10.4
37.5°	12.4	12.2	12.0	12.0	12.0	12.0	11.7	11.5	11.2	10.9	10.6
36.25°	12.7	12.4	12.2	12.0	12.0	12.0	11.9	11.7	11.4	11.1	10.8
35°	12.9	12.7	12.4	12.2	12.0	12.0	12.0	11.9	11.6	11.3	11.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	13.2	12.9	12.7	12.4	12.1	12.0	12.0	12.0	11.8	11.5	11.2
32.5°	13.4	13.2	12.9	12.6	12.4	12.1	12.0	12.0	12.0	11.7	11.4
31.25°	13.7	13.4	13.1	12.9	12.6	12.3	12.0	12.0	12.0	11.9	11.6
30°	13.9	13.7	13.4	13.1	12.8	12.5	12.2	12.0	12.0	12.0	11.8
28.75°	14.2	13.9	13.6	13.3	13.0	12.7	12.4	12.1	12.0	12.0	11.9
27.5°	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.0	12.0	12.0
26.25°	14.9	14.3	14.0	13.7	13.4	13.1	12.8	12.4	12.1	12.0	12.0
25°	15.3	14.7	14.2	13.9	13.6	13.3	12.9	12.6	12.3	12.0	12.0
23.75°	15.7	15.1	14.4	14.1	13.8	13.4	13.1	12.8	12.4	12.1	12.0
22.5°	16.2	15.5	14.8	14.3	14.0	13.6	13.3	12.9	12.6	12.3	12.0
21.25°	16.8	15.9	15.2	14.5	14.1	13.8	13.4	13.1	12.7	12.4	12.0
20°	17.4	16.3	15.5	14.8	14.3	13.9	13.6	13.2	12.9	12.5	12.2
18.75°	17.9	16.9	15.9	15.2	14.5	14.1	13.7	13.4	13.0	12.7	12.3
17.5°	18.5	17.4	16.3	15.5	14.8	14.2	13.9	13.5	13.1	12.8	12.4
16.25°	19.4	17.9	16.7	15.8	15.0	14.4	14.0	13.6	13.3	12.9	12.5
15°	20.3	18.3	17.2	16.0	15.3	14.5	14.1	13.7	13.4	13.0	12.6
13.75°	21.1	18.9	17.6	16.4	15.5	14.8	14.2	13.8	13.5	13.1	12.7
12.5°	21.9	19.7	17.9	16.8	15.7	15.0	14.3	13.9	13.6	13.2	12.8
11.25°	22.6	20.3	18.3	17.1	15.9	15.2	14.4	14.0	13.6	13.3	12.9
10°	23.2	20.9	18.7	17.4	16.2	15.3	14.6	14.1	13.7	13.3	12.9
8.75°	24.1	21.5	19.2	17.6	16.4	15.5	14.7	14.2	13.8	13.4	13.0
7.5°	24.8	22.0	19.6	17.9	16.6	15.6	14.8	14.2	13.8	13.4	13.1
6.25°	25.4	22.4	20.0	18.1	16.8	15.7	15.0	14.3	13.9	13.5	13.1
5°	26.0	22.7	20.3	18.2	17.0	15.8	15.0	14.3	13.9	13.5	13.1
3.75°	26.4	23.0	20.6	18.3	17.1	15.9	15.1	14.4	14.0	13.6	13.2
2.5°	26.7	23.2	20.8	18.4	17.2	16.0	15.2	14.4	14.0	13.6	13.2
1.25°	26.8	23.3	20.9	18.5	17.2	16.0	15.2	14.4	14.0	13.6	13.2
0°	26.9	23.3	20.9	18.5	17.3	16.0	15.2	14.4	14.0	13.6	13.2
-1.25°	26.8	23.3	20.9	18.5	17.2	16.0	15.2	14.4	14.0	13.6	13.2
-2.5°	26.7	23.2	20.8	18.4	17.2	16.0	15.2	14.4	14.0	13.6	13.2
-3.75°	26.4	23.0	20.6	18.3	17.1	15.9	15.1	14.4	14.0	13.6	13.2
-5°	26.0	22.7	20.3	18.2	17.0	15.8	15.0	14.3	13.9	13.5	13.1
-6.25°	25.4	22.4	20.0	18.1	16.8	15.7	15.0	14.3	13.9	13.5	13.1
-7.5°	24.8	22.0	19.6	17.9	16.6	15.6	14.8	14.2	13.8	13.4	13.1
-8.75°	24.1	21.5	19.2	17.6	16.4	15.5	14.7	14.2	13.8	13.4	13.0
-10°	23.2	20.9	18.7	17.4	16.2	15.3	14.6	14.1	13.7	13.3	12.9
-11.25°	22.6	20.3	18.3	17.1	15.9	15.2	14.4	14.0	13.6	13.3	12.9
-12.5°	21.9	19.7	17.9	16.8	15.7	15.0	14.3	13.9	13.6	13.2	12.8
-13.75°	21.1	18.9	17.6	16.4	15.5	14.8	14.2	13.8	13.5	13.1	12.7
-15°	20.3	18.3	17.2	16.0	15.3	14.5	14.1	13.7	13.4	13.0	12.6
-16.25°	19.4	17.9	16.7	15.8	15.0	14.4	14.0	13.6	13.3	12.9	12.5
-17.5°	18.5	17.4	16.3	15.5	14.8	14.2	13.9	13.5	13.1	12.8	12.4
-18.75°	17.9	16.9	15.9	15.2	14.5	14.1	13.7	13.4	13.0	12.7	12.3
-20°	17.4	16.3	15.5	14.8	14.3	13.9	13.6	13.2	12.9	12.5	12.2
-21.25°	16.8	15.9	15.2	14.5	14.1	13.8	13.4	13.1	12.7	12.4	12.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	16.2	15.5	14.8	14.3	14.0	13.6	13.3	12.9	12.6	12.3	12.0
-23.75°	15.7	15.1	14.4	14.1	13.8	13.4	13.1	12.8	12.4	12.1	12.0
-25°	15.3	14.7	14.2	13.9	13.6	13.3	12.9	12.6	12.3	12.0	12.0
-26.25°	14.9	14.3	14.0	13.7	13.4	13.1	12.8	12.4	12.1	12.0	12.0
-27.5°	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.0	12.0	12.0
-28.75°	14.2	13.9	13.6	13.3	13.0	12.7	12.4	12.1	12.0	12.0	11.9
-30°	13.9	13.7	13.4	13.1	12.8	12.5	12.2	12.0	12.0	12.0	11.8
-31.25°	13.7	13.4	13.1	12.9	12.6	12.3	12.0	12.0	12.0	11.9	11.6
-32.5°	13.4	13.2	12.9	12.6	12.4	12.1	12.0	12.0	12.0	11.7	11.4
-33.75°	13.2	12.9	12.7	12.4	12.1	12.0	12.0	12.0	11.8	11.5	11.2
-35°	12.9	12.7	12.4	12.2	12.0	12.0	12.0	11.9	11.6	11.3	11.0
-36.25°	12.7	12.4	12.2	12.0	12.0	12.0	11.9	11.7	11.4	11.1	10.8
-37.5°	12.4	12.2	12.0	12.0	12.0	12.0	11.7	11.5	11.2	10.9	10.6
-38.75°	12.1	12.0	12.0	12.0	12.0	11.7	11.5	11.2	11.0	10.7	10.4
-40°	12.0	12.0	12.0	12.0	11.7	11.5	11.3	11.0	10.8	10.5	10.2
-41.25°	12.0	12.0	11.9	11.7	11.5	11.3	11.0	10.8	10.5	10.3	10.0
-42.5°	12.0	11.9	11.7	11.5	11.2	11.0	10.8	10.5	10.3	10.1	9.8
-43.75°	11.8	11.6	11.4	11.2	11.0	10.8	10.5	10.3	10.1	9.8	9.6
-45°	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.8	9.6	9.4
-46.25°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1
-47.5°	10.9	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1	8.9
-48.75°	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7
-50°	10.3	10.2	10.0	9.8	9.6	9.4	9.2	9.1	8.9	8.7	8.4
-51.25°	10.0	9.9	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.2
-52.5°	9.7	9.6	9.4	9.2	9.1	8.9	8.7	8.5	8.3	8.2	8.0
-53.75°	9.4	9.3	9.1	9.0	8.8	8.6	8.4	8.3	8.1	7.9	7.7
-55°	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8	7.7	7.5
-56.25°	8.8	8.7	8.5	8.4	8.2	8.1	7.9	7.7	7.6	7.4	7.2
-57.5°	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.5	7.3	7.1	7.0
-58.75°	8.2	8.0	7.9	7.8	7.6	7.5	7.3	7.2	7.0	6.9	6.7
-60°	7.9	7.7	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6	6.5
-61.25°	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.6	6.5	6.4	6.2
-62.5°	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	6.0
-63.75°	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	6.0	5.8	5.7
-65°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.6	5.4
-66.25°	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.3	5.2
-67.5°	5.9	5.8	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0	4.9
-68.75°	5.6	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.8
-70°	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.8	4.8	4.8	4.8
-71.25°	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.5
-73.75°	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.4	4.3	4.1	3.9
-75°	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.5	3.4
-76.25°	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.1	3.0
-77.5°	3.4	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	3.0	2.9	2.9	2.8	2.8	2.8	2.7	2.6	2.6	2.5	2.5
-80°	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2
-81.25°	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
-82.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
-83.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
-85°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-86.25°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
85°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
83.75°	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
82.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
81.25°	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.4
80°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
78.75°	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
77.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
76.25°	3.0	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.2
75°	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4
73.75°	3.8	3.6	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.7	2.6
72.5°	4.3	4.1	3.9	3.7	3.6	3.4	3.2	3.1	3.0	2.9	2.8
71.25°	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.1	3.0
70°	4.8	4.8	4.8	4.7	4.5	4.3	4.0	3.8	3.6	3.3	3.2
68.75°	4.8	4.8	4.8	4.8	4.8	4.7	4.5	4.2	4.0	3.7	3.5
67.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.4	4.1	3.9
66.25°	5.1	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.5	4.2
65°	5.3	5.2	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.6
63.75°	5.6	5.4	5.3	5.1	5.0	4.9	4.8	4.8	4.8	4.8	4.8
62.5°	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	4.8	4.8	4.8
61.25°	6.1	5.9	5.8	5.6	5.4	5.3	5.1	5.0	4.8	4.8	4.8
60°	6.3	6.2	6.0	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.8
58.75°	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.8
57.5°	6.8	6.6	6.5	6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.0
56.25°	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.8	5.6	5.4	5.2
55°	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3
53.75°	7.5	7.3	7.1	7.0	6.8	6.5	6.3	6.1	5.9	5.7	5.5
52.5°	7.8	7.6	7.4	7.2	7.0	6.8	6.5	6.3	6.1	5.9	5.7
51.25°	8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.3	6.1	5.8
50°	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.7	6.5	6.2	6.0
48.75°	8.5	8.2	8.0	7.8	7.6	7.3	7.1	6.9	6.6	6.4	6.2
47.5°	8.7	8.5	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.6	6.3
46.25°	8.9	8.7	8.4	8.2	8.0	7.7	7.5	7.2	7.0	6.7	6.5
45°	9.1	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.9	6.6
43.75°	9.3	9.1	8.9	8.6	8.3	8.1	7.8	7.6	7.3	7.0	6.8
42.5°	9.6	9.3	9.1	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.9
41.25°	9.8	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.6	7.3	7.1
40°	10.0	9.7	9.4	9.2	8.9	8.6	8.3	8.1	7.8	7.5	7.2
38.75°	10.2	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.3
37.5°	10.4	10.1	9.8	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.5
36.25°	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6
35°	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.0	7.7



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9
32.5°	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3	8.0
31.25°	11.3	11.0	10.7	10.4	10.0	9.7	9.4	9.1	8.8	8.4	8.1
30°	11.5	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.9	8.5	8.2
28.75°	11.6	11.3	11.0	10.7	10.3	10.0	9.7	9.3	9.0	8.7	8.3
27.5°	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.4	9.1	8.8	8.4
26.25°	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.5
25°	12.0	11.7	11.4	11.1	10.7	10.4	10.0	9.7	9.3	9.0	8.6
23.75°	12.0	11.9	11.5	11.2	10.8	10.5	10.1	9.8	9.4	9.1	8.7
22.5°	12.0	12.0	11.7	11.3	11.0	10.6	10.2	9.9	9.5	9.2	8.8
21.25°	12.0	12.0	11.8	11.4	11.1	10.7	10.3	10.0	9.6	9.3	8.9
20°	12.0	12.0	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.3	9.0
18.75°	12.0	12.0	12.0	11.6	11.3	10.9	10.5	10.2	9.8	9.4	9.0
17.5°	12.0	12.0	12.0	11.7	11.4	11.0	10.6	10.2	9.9	9.5	9.1
16.25°	12.1	12.0	12.0	11.8	11.4	11.1	10.7	10.3	9.9	9.6	9.2
15°	12.2	12.0	12.0	11.9	11.5	11.1	10.8	10.4	10.0	9.6	9.2
13.75°	12.3	12.0	12.0	12.0	11.6	11.2	10.8	10.5	10.1	9.7	9.3
12.5°	12.4	12.0	12.0	12.0	11.7	11.3	10.9	10.5	10.1	9.7	9.4
11.25°	12.5	12.1	12.0	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.4
10°	12.5	12.2	12.0	12.0	11.8	11.4	11.0	10.6	10.2	9.8	9.4
8.75°	12.6	12.2	12.0	12.0	11.8	11.4	11.1	10.7	10.3	9.9	9.5
7.5°	12.7	12.3	12.0	12.0	11.9	11.5	11.1	10.7	10.3	9.9	9.5
6.25°	12.7	12.3	12.0	12.0	11.9	11.5	11.1	10.7	10.3	9.9	9.5
5°	12.7	12.3	12.0	12.0	11.9	11.5	11.2	10.8	10.4	10.0	9.6
3.75°	12.8	12.4	12.0	12.0	12.0	11.6	11.2	10.8	10.4	10.0	9.6
2.5°	12.8	12.4	12.0	12.0	12.0	11.6	11.2	10.8	10.4	10.0	9.6
1.25°	12.8	12.4	12.0	12.0	12.0	11.6	11.2	10.8	10.4	10.0	9.6
0°	12.8	12.4	12.0	12.0	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-1.25°	12.8	12.4	12.0	12.0	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-2.5°	12.8	12.4	12.0	12.0	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-3.75°	12.8	12.4	12.0	12.0	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-5°	12.7	12.3	12.0	12.0	11.9	11.5	11.2	10.8	10.4	10.0	9.6
-6.25°	12.7	12.3	12.0	12.0	11.9	11.5	11.1	10.7	10.3	9.9	9.5
-7.5°	12.7	12.3	12.0	12.0	11.9	11.5	11.1	10.7	10.3	9.9	9.5
-8.75°	12.6	12.2	12.0	12.0	11.8	11.4	11.1	10.7	10.3	9.9	9.5
-10°	12.5	12.2	12.0	12.0	11.8	11.4	11.0	10.6	10.2	9.8	9.4
-11.25°	12.5	12.1	12.0	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.4
-12.5°	12.4	12.0	12.0	12.0	11.7	11.3	10.9	10.5	10.1	9.7	9.4
-13.75°	12.3	12.0	12.0	12.0	11.6	11.2	10.8	10.5	10.1	9.7	9.3
-15°	12.2	12.0	12.0	11.9	11.5	11.1	10.8	10.4	10.0	9.6	9.2
-16.25°	12.1	12.0	12.0	11.8	11.4	11.1	10.7	10.3	9.9	9.6	9.2
-17.5°	12.0	12.0	12.0	11.7	11.4	11.0	10.6	10.2	9.9	9.5	9.1
-18.75°	12.0	12.0	12.0	11.6	11.3	10.9	10.5	10.2	9.8	9.4	9.0
-20°	12.0	12.0	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.3	9.0
-21.25°	12.0	12.0	11.8	11.4	11.1	10.7	10.3	10.0	9.6	9.3	8.9





REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	12.0	12.0	11.7	11.3	11.0	10.6	10.2	9.9	9.5	9.2	8.8
-23.75°	12.0	11.9	11.5	11.2	10.8	10.5	10.1	9.8	9.4	9.1	8.7
-25°	12.0	11.7	11.4	11.1	10.7	10.4	10.0	9.7	9.3	9.0	8.6
-26.25°	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.5
-27.5°	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.4	9.1	8.8	8.4
-28.75°	11.6	11.3	11.0	10.7	10.3	10.0	9.7	9.3	9.0	8.7	8.3
-30°	11.5	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.9	8.5	8.2
-31.25°	11.3	11.0	10.7	10.4	10.0	9.7	9.4	9.1	8.8	8.4	8.1
-32.5°	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3	8.0
-33.75°	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9
-35°	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.0	7.7
-36.25°	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6
-37.5°	10.4	10.1	9.8	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.5
-38.75°	10.2	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.3
-40°	10.0	9.7	9.4	9.2	8.9	8.6	8.3	8.1	7.8	7.5	7.2
-41.25°	9.8	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.6	7.3	7.1
-42.5°	9.6	9.3	9.1	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.9
-43.75°	9.3	9.1	8.9	8.6	8.3	8.1	7.8	7.6	7.3	7.0	6.8
-45°	9.1	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.9	6.6
-46.25°	8.9	8.7	8.4	8.2	8.0	7.7	7.5	7.2	7.0	6.7	6.5
-47.5°	8.7	8.5	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.6	6.3
-48.75°	8.5	8.2	8.0	7.8	7.6	7.3	7.1	6.9	6.6	6.4	6.2
-50°	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.7	6.5	6.2	6.0
-51.25°	8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.3	6.1	5.8
-52.5°	7.8	7.6	7.4	7.2	7.0	6.8	6.5	6.3	6.1	5.9	5.7
-53.75°	7.5	7.3	7.1	7.0	6.8	6.5	6.3	6.1	5.9	5.7	5.5
-55°	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3
-56.25°	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.8	5.6	5.4	5.2
-57.5°	6.8	6.6	6.5	6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.0
-58.75°	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.8
-60°	6.3	6.2	6.0	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.8
-61.25°	6.1	5.9	5.8	5.6	5.4	5.3	5.1	5.0	4.8	4.8	4.8
-62.5°	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	4.8	4.8	4.8
-63.75°	5.6	5.4	5.3	5.1	5.0	4.9	4.8	4.8	4.8	4.8	4.8
-65°	5.3	5.2	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.6
-66.25°	5.1	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.5	4.2
-67.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.4	4.1	3.9
-68.75°	4.8	4.8	4.8	4.8	4.8	4.7	4.5	4.2	4.0	3.7	3.5
-70°	4.8	4.8	4.8	4.7	4.5	4.3	4.0	3.8	3.6	3.3	3.2
-71.25°	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.1	3.0
-72.5°	4.3	4.1	3.9	3.7	3.6	3.4	3.2	3.1	3.0	2.9	2.8
-73.75°	3.8	3.6	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.7	2.6
-75°	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4
-76.25°	3.0	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.2
-77.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-80°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
-81.25°	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.4
-82.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-83.75°	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
-85°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
83.75°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
82.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
81.25°	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8
80°	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	0.9
78.75°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
77.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
76.25°	2.1	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.2
75°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
73.75°	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5	1.4
72.5°	2.7	2.6	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
71.25°	2.8	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7
70°	3.0	2.9	2.8	2.7	2.5	2.4	2.3	2.1	2.0	1.9	1.8
68.75°	3.2	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0	1.9
67.5°	3.6	3.3	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0
66.25°	3.9	3.7	3.4	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1
65°	4.3	4.0	3.7	3.4	3.1	3.0	2.8	2.7	2.5	2.3	2.2
63.75°	4.7	4.3	4.0	3.7	3.4	3.1	3.0	2.8	2.6	2.4	2.3
62.5°	4.8	4.7	4.3	4.0	3.7	3.3	3.1	2.9	2.7	2.6	2.4
61.25°	4.8	4.8	4.7	4.3	3.9	3.6	3.2	3.0	2.8	2.7	2.5
60°	4.8	4.8	4.8	4.6	4.2	3.9	3.5	3.2	3.0	2.8	2.6
58.75°	4.8	4.8	4.8	4.8	4.5	4.1	3.7	3.3	3.1	2.9	2.7
57.5°	4.8	4.8	4.8	4.8	4.8	4.4	4.0	3.6	3.2	3.0	2.8
56.25°	5.0	4.8	4.8	4.8	4.8	4.7	4.2	3.8	3.4	3.1	2.9
55°	5.1	4.9	4.8	4.8	4.8	4.8	4.5	4.0	3.6	3.2	3.0
53.75°	5.3	5.1	4.9	4.8	4.8	4.8	4.7	4.3	3.8	3.4	3.0
52.5°	5.4	5.2	5.0	4.8	4.8	4.8	4.8	4.5	4.0	3.6	3.1
51.25°	5.6	5.4	5.1	4.9	4.8	4.8	4.8	4.7	4.2	3.7	3.3
50°	5.8	5.5	5.3	5.0	4.8	4.8	4.8	4.8	4.4	3.9	3.4
48.75°	5.9	5.7	5.4	5.2	4.9	4.8	4.8	4.8	4.6	4.1	3.6
47.5°	6.1	5.8	5.6	5.3	5.1	4.8	4.8	4.8	4.8	4.3	3.8
46.25°	6.2	6.0	5.7	5.4	5.2	4.9	4.8	4.8	4.8	4.5	3.9
45°	6.4	6.1	5.8	5.6	5.3	5.0	4.8	4.8	4.8	4.7	4.1
43.75°	6.5	6.2	6.0	5.7	5.4	5.1	4.9	4.8	4.8	4.8	4.3
42.5°	6.6	6.4	6.1	5.8	5.5	5.2	5.0	4.8	4.8	4.8	4.4
41.25°	6.8	6.5	6.2	5.9	5.6	5.4	5.1	4.8	4.8	4.8	4.6
40°	6.9	6.6	6.3	6.0	5.8	5.5	5.2	4.9	4.8	4.8	4.7
38.75°	7.1	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.8	4.8	4.8
37.5°	7.2	6.9	6.6	6.3	6.0	5.7	5.3	5.0	4.8	4.8	4.8
36.25°	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.1	4.8	4.8	4.8
35°	7.4	7.1	6.8	6.5	6.2	5.8	5.5	5.2	4.9	4.8	4.8



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	7.5	7.2	6.9	6.6	6.3	5.9	5.6	5.3	5.0	4.8	4.8
32.5°	7.7	7.3	7.0	6.7	6.4	6.0	5.7	5.4	5.0	4.8	4.8
31.25°	7.8	7.4	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.8	4.8
30°	7.9	7.5	7.2	6.9	6.5	6.2	5.9	5.5	5.2	4.8	4.8
28.75°	8.0	7.6	7.3	7.0	6.6	6.3	5.9	5.6	5.2	4.9	4.8
27.5°	8.1	7.7	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.8
26.25°	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.7	5.4	5.0	4.8
25°	8.3	7.9	7.6	7.2	6.9	6.5	6.1	5.8	5.4	5.1	4.8
23.75°	8.4	8.0	7.6	7.3	6.9	6.6	6.2	5.8	5.5	5.1	4.8
22.5°	8.4	8.1	7.7	7.4	7.0	6.6	6.3	5.9	5.5	5.2	4.8
21.25°	8.5	8.2	7.8	7.4	7.1	6.7	6.3	5.9	5.6	5.2	4.8
20°	8.6	8.2	7.9	7.5	7.1	6.7	6.4	6.0	5.6	5.3	4.9
18.75°	8.7	8.3	7.9	7.5	7.2	6.8	6.4	6.0	5.7	5.3	4.9
17.5°	8.7	8.4	8.0	7.6	7.2	6.8	6.5	6.1	5.7	5.3	5.0
16.25°	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.8	5.4	5.0
15°	8.9	8.5	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.0
13.75°	8.9	8.5	8.1	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0
12.5°	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.9	5.5	5.1
11.25°	9.0	8.6	8.2	7.8	7.4	7.1	6.7	6.3	5.9	5.5	5.1
10°	9.0	8.7	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1
8.75°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1
7.5°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.6	5.2
6.25°	9.1	8.7	8.3	7.9	7.6	7.2	6.8	6.4	6.0	5.6	5.2
5°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
3.75°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
2.5°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
1.25°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
0°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-1.25°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-2.5°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-3.75°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-5°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-6.25°	9.1	8.7	8.3	7.9	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-7.5°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.6	5.2
-8.75°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1
-10°	9.0	8.7	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1
-11.25°	9.0	8.6	8.2	7.8	7.4	7.1	6.7	6.3	5.9	5.5	5.1
-12.5°	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.9	5.5	5.1
-13.75°	8.9	8.5	8.1	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0
-15°	8.9	8.5	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.0
-16.25°	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.8	5.4	5.0
-17.5°	8.7	8.4	8.0	7.6	7.2	6.8	6.5	6.1	5.7	5.3	5.0
-18.75°	8.7	8.3	7.9	7.5	7.2	6.8	6.4	6.0	5.7	5.3	4.9
-20°	8.6	8.2	7.9	7.5	7.1	6.7	6.4	6.0	5.6	5.3	4.9
-21.25°	8.5	8.2	7.8	7.4	7.1	6.7	6.3	5.9	5.6	5.2	4.8



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	8.4	8.1	7.7	7.4	7.0	6.6	6.3	5.9	5.5	5.2	4.8
-23.75°	8.4	8.0	7.6	7.3	6.9	6.6	6.2	5.8	5.5	5.1	4.8
-25°	8.3	7.9	7.6	7.2	6.9	6.5	6.1	5.8	5.4	5.1	4.8
-26.25°	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.7	5.4	5.0	4.8
-27.5°	8.1	7.7	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.8
-28.75°	8.0	7.6	7.3	7.0	6.6	6.3	5.9	5.6	5.2	4.9	4.8
-30°	7.9	7.5	7.2	6.9	6.5	6.2	5.9	5.5	5.2	4.8	4.8
-31.25°	7.8	7.4	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.8	4.8
-32.5°	7.7	7.3	7.0	6.7	6.4	6.0	5.7	5.4	5.0	4.8	4.8
-33.75°	7.5	7.2	6.9	6.6	6.3	5.9	5.6	5.3	5.0	4.8	4.8
-35°	7.4	7.1	6.8	6.5	6.2	5.8	5.5	5.2	4.9	4.8	4.8
-36.25°	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.1	4.8	4.8	4.8
-37.5°	7.2	6.9	6.6	6.3	6.0	5.7	5.3	5.0	4.8	4.8	4.8
-38.75°	7.1	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.8	4.8	4.8
-40°	6.9	6.6	6.3	6.0	5.8	5.5	5.2	4.9	4.8	4.8	4.7
-41.25°	6.8	6.5	6.2	5.9	5.6	5.4	5.1	4.8	4.8	4.8	4.6
-42.5°	6.6	6.4	6.1	5.8	5.5	5.2	5.0	4.8	4.8	4.8	4.4
-43.75°	6.5	6.2	6.0	5.7	5.4	5.1	4.9	4.8	4.8	4.8	4.3
-45°	6.4	6.1	5.8	5.6	5.3	5.0	4.8	4.8	4.8	4.7	4.1
-46.25°	6.2	6.0	5.7	5.4	5.2	4.9	4.8	4.8	4.8	4.5	3.9
-47.5°	6.1	5.8	5.6	5.3	5.1	4.8	4.8	4.8	4.8	4.3	3.8
-48.75°	5.9	5.7	5.4	5.2	4.9	4.8	4.8	4.8	4.6	4.1	3.6
-50°	5.8	5.5	5.3	5.0	4.8	4.8	4.8	4.8	4.4	3.9	3.4
-51.25°	5.6	5.4	5.1	4.9	4.8	4.8	4.8	4.7	4.2	3.7	3.3
-52.5°	5.4	5.2	5.0	4.8	4.8	4.8	4.8	4.5	4.0	3.6	3.1
-53.75°	5.3	5.1	4.9	4.8	4.8	4.8	4.7	4.3	3.8	3.4	3.0
-55°	5.1	4.9	4.8	4.8	4.8	4.8	4.5	4.0	3.6	3.2	3.0
-56.25°	5.0	4.8	4.8	4.8	4.8	4.7	4.2	3.8	3.4	3.1	2.9
-57.5°	4.8	4.8	4.8	4.8	4.8	4.4	4.0	3.6	3.2	3.0	2.8
-58.75°	4.8	4.8	4.8	4.8	4.5	4.1	3.7	3.3	3.1	2.9	2.7
-60°	4.8	4.8	4.8	4.6	4.2	3.9	3.5	3.2	3.0	2.8	2.6
-61.25°	4.8	4.8	4.7	4.3	3.9	3.6	3.2	3.0	2.8	2.7	2.5
-62.5°	4.8	4.7	4.3	4.0	3.7	3.3	3.1	2.9	2.7	2.6	2.4
-63.75°	4.7	4.3	4.0	3.7	3.4	3.1	3.0	2.8	2.6	2.4	2.3
-65°	4.3	4.0	3.7	3.4	3.1	3.0	2.8	2.7	2.5	2.3	2.2
-66.25°	3.9	3.7	3.4	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1
-67.5°	3.6	3.3	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0
-68.75°	3.2	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0	1.9
-70°	3.0	2.9	2.8	2.7	2.5	2.4	2.3	2.1	2.0	1.9	1.8
-71.25°	2.8	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7
-72.5°	2.7	2.6	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
-73.75°	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5	1.4
-75°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-76.25°	2.1	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.2
-77.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
80°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
78.75°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
77.5°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
76.25°	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
73.75°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
72.5°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
71.25°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
70°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
68.75°	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
67.5°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
66.25°	1.9	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
65°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
63.75°	2.1	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
62.5°	2.2	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
61.25°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.4
60°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
58.75°	2.5	2.3	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4
57.5°	2.6	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
56.25°	2.6	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.4
55°	2.7	2.5	2.3	2.1	1.8	1.6	1.4	1.1	0.9	0.7	0.5
53.75°	2.8	2.6	2.4	2.1	1.9	1.7	1.4	1.2	0.9	0.7	0.5
52.5°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
51.25°	3.0	2.7	2.5	2.2	2.0	1.7	1.5	1.3	1.0	0.8	0.5
50°	3.1	2.8	2.6	2.3	2.1	1.8	1.5	1.3	1.0	0.8	0.5
48.75°	3.1	2.9	2.6	2.4	2.1	1.8	1.6	1.3	1.1	0.8	0.5
47.5°	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.8	0.5
46.25°	3.4	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
45°	3.5	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.6
43.75°	3.7	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.2	0.9	0.6
42.5°	3.8	3.3	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
41.25°	4.0	3.4	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
40°	4.1	3.5	3.1	2.8	2.4	2.1	1.8	1.5	1.2	0.9	0.6
38.75°	4.3	3.6	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.6
37.5°	4.4	3.8	3.2	2.8	2.5	2.2	1.9	1.6	1.3	1.0	0.6
36.25°	4.5	3.9	3.2	2.9	2.6	2.3	1.9	1.6	1.3	1.0	0.6
35°	4.6	4.0	3.3	2.9	2.6	2.3	2.0	1.6	1.3	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°
33.75°	4.8	4.1	3.4	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7
32.5°	4.8	4.2	3.5	3.0	2.7	2.4	2.0	1.7	1.3	1.0	0.7
31.25°	4.8	4.3	3.6	3.1	2.7	2.4	2.1	1.7	1.4	1.0	0.7
30°	4.8	4.4	3.7	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
28.75°	4.8	4.5	3.8	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
27.5°	4.8	4.6	3.9	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
26.25°	4.8	4.7	4.0	3.2	2.9	2.5	2.2	1.8	1.4	1.1	0.7
25°	4.8	4.8	4.0	3.3	2.9	2.5	2.2	1.8	1.4	1.1	0.7
23.75°	4.8	4.8	4.1	3.4	2.9	2.6	2.2	1.8	1.5	1.1	0.7
22.5°	4.8	4.8	4.2	3.4	3.0	2.6	2.2	1.8	1.5	1.1	0.7
21.25°	4.8	4.8	4.2	3.5	3.0	2.6	2.2	1.9	1.5	1.1	0.7
20°	4.8	4.8	4.3	3.6	3.0	2.6	2.3	1.9	1.5	1.1	0.8
18.75°	4.8	4.8	4.4	3.6	3.0	2.7	2.3	1.9	1.5	1.1	0.8
17.5°	4.8	4.8	4.4	3.7	3.1	2.7	2.3	1.9	1.5	1.1	0.8
16.25°	4.8	4.8	4.5	3.7	3.1	2.7	2.3	1.9	1.5	1.2	0.8
15°	4.8	4.8	4.5	3.8	3.1	2.7	2.3	1.9	1.5	1.2	0.8
13.75°	4.8	4.8	4.6	3.8	3.1	2.7	2.3	1.9	1.6	1.2	0.8
12.5°	4.8	4.8	4.6	3.8	3.1	2.7	2.3	2.0	1.6	1.2	0.8
11.25°	4.8	4.8	4.6	3.9	3.1	2.7	2.4	2.0	1.6	1.2	0.8
10°	4.8	4.8	4.7	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
8.75°	4.8	4.8	4.7	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
7.5°	4.8	4.8	4.7	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
6.25°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
5°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
3.75°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
2.5°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
1.25°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
0°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-1.25°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-2.5°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-3.75°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-5°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-6.25°	4.8	4.8	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-7.5°	4.8	4.8	4.7	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-8.75°	4.8	4.8	4.7	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-10°	4.8	4.8	4.7	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-11.25°	4.8	4.8	4.6	3.9	3.1	2.7	2.4	2.0	1.6	1.2	0.8
-12.5°	4.8	4.8	4.6	3.8	3.1	2.7	2.3	2.0	1.6	1.2	0.8
-13.75°	4.8	4.8	4.6	3.8	3.1	2.7	2.3	1.9	1.6	1.2	0.8
-15°	4.8	4.8	4.5	3.8	3.1	2.7	2.3	1.9	1.5	1.2	0.8
-16.25°	4.8	4.8	4.5	3.7	3.1	2.7	2.3	1.9	1.5	1.2	0.8
-17.5°	4.8	4.8	4.4	3.7	3.1	2.7	2.3	1.9	1.5	1.1	0.8
-18.75°	4.8	4.8	4.4	3.6	3.0	2.7	2.3	1.9	1.5	1.1	0.8
-20°	4.8	4.8	4.3	3.6	3.0	2.6	2.3	1.9	1.5	1.1	0.8
-21.25°	4.8	4.8	4.2	3.5	3.0	2.6	2.2	1.9	1.5	1.1	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°
-22.5°	4.8	4.8	4.2	3.4	3.0	2.6	2.2	1.8	1.5	1.1	0.7
-23.75°	4.8	4.8	4.1	3.4	2.9	2.6	2.2	1.8	1.5	1.1	0.7
-25°	4.8	4.8	4.0	3.3	2.9	2.5	2.2	1.8	1.4	1.1	0.7
-26.25°	4.8	4.7	4.0	3.2	2.9	2.5	2.2	1.8	1.4	1.1	0.7
-27.5°	4.8	4.6	3.9	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
-28.75°	4.8	4.5	3.8	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
-30°	4.8	4.4	3.7	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-31.25°	4.8	4.3	3.6	3.1	2.7	2.4	2.1	1.7	1.4	1.0	0.7
-32.5°	4.8	4.2	3.5	3.0	2.7	2.4	2.0	1.7	1.3	1.0	0.7
-33.75°	4.8	4.1	3.4	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7
-35°	4.6	4.0	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.0	0.7
-36.25°	4.5	3.9	3.2	2.9	2.6	2.3	1.9	1.6	1.3	1.0	0.6
-37.5°	4.4	3.8	3.2	2.8	2.5	2.2	1.9	1.6	1.3	1.0	0.6
-38.75°	4.3	3.6	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-40°	4.1	3.5	3.1	2.8	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-41.25°	4.0	3.4	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-42.5°	3.8	3.3	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-43.75°	3.7	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.2	0.9	0.6
-45°	3.5	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.6
-46.25°	3.4	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
-47.5°	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.8	0.5
-48.75°	3.1	2.9	2.6	2.4	2.1	1.8	1.6	1.3	1.1	0.8	0.5
-50°	3.1	2.8	2.6	2.3	2.1	1.8	1.5	1.3	1.0	0.8	0.5
-51.25°	3.0	2.7	2.5	2.2	2.0	1.7	1.5	1.3	1.0	0.8	0.5
-52.5°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
-53.75°	2.8	2.6	2.4	2.1	1.9	1.7	1.4	1.2	0.9	0.7	0.5
-55°	2.7	2.5	2.3	2.1	1.8	1.6	1.4	1.1	0.9	0.7	0.5
-56.25°	2.6	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.4
-57.5°	2.6	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
-58.75°	2.5	2.3	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4
-60°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-61.25°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.4
-62.5°	2.2	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
-63.75°	2.1	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
-65°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
-66.25°	1.9	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
-67.5°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-68.75°	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-70°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
-71.25°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
-72.5°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-73.75°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
-75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-76.25°	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2



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**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-80°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220314 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



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

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)