

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: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

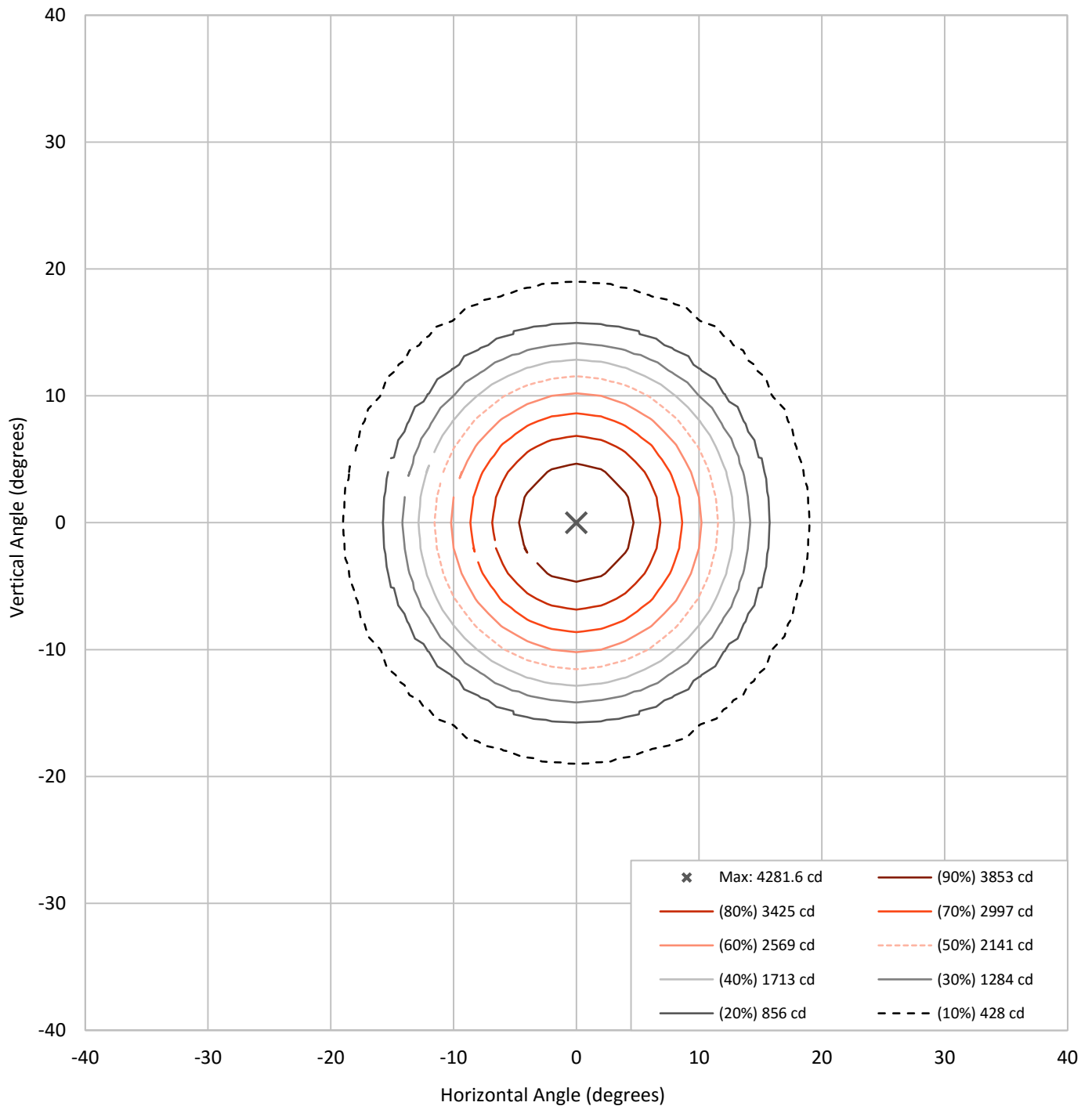
Test Method: LM-79-08  
Report Number: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,  
MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	783.3 lumens	Max Intensity:	4281.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	78.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	37.5°H x 37.5°V
Beam Lumens:	399.4 lumens	Field Lumens:	614.2 lumens
Beam Efficiency:	51.0%	Field Efficiency:	78.4%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (A <sub>in</sub> ):	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		

REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

### Iso-Candela Plot





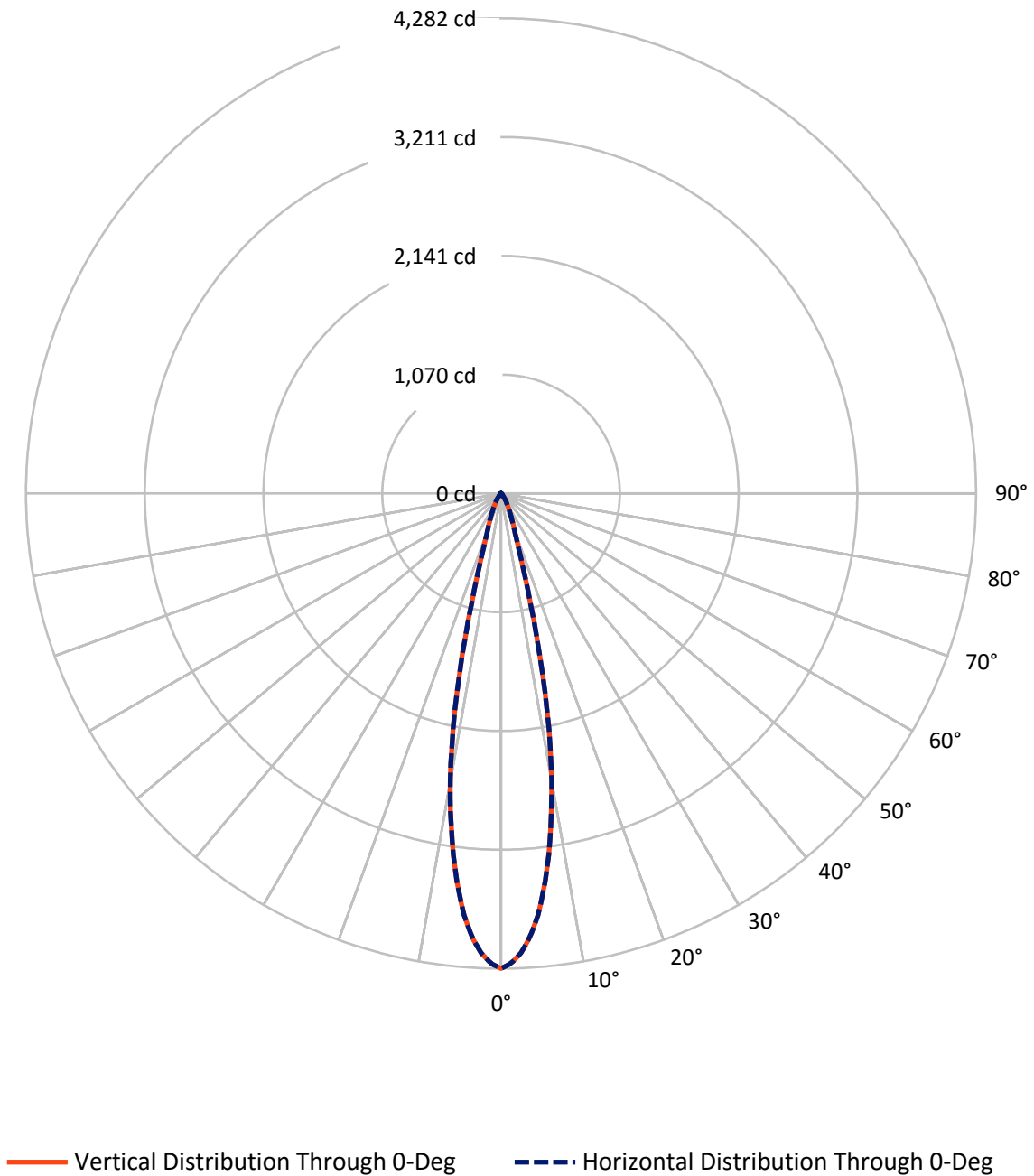
REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

### Lumen Table

90	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0			
60		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0				
50	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0			
40		0.1	0.1	0.1	0.2	0.5	1.0	1.6	1.6	1.0	0.5	0.2	0.1	0.1	0.1				
30	0.1	0.1	0.1	0.2	0.4	1.6	3.7	5.8	5.8	3.7	1.6	0.4	0.2	0.1	0.1	0.1			
20		0.1	0.1	0.2	0.9	3.5	10.3	29.7	29.7	10.3	3.5	0.9	0.2	0.1	0.1				
10	0.1	0.1	0.1	0.3	1.3	5.3	28.9	95.6	95.6	28.9	5.3	1.3	0.3	0.1	0.1	0.1			
0		0.1	0.1	0.3	1.3	5.3	28.9	95.6	95.6	28.9	5.3	1.3	0.3	0.1	0.1				
-10	0.1	0.1	0.1	0.3	1.3	5.3	28.9	95.6	95.6	28.9	5.3	1.3	0.3	0.1	0.1	0.1			
-20		0.1	0.1	0.2	0.9	3.5	10.3	29.7	29.7	10.3	3.5	0.9	0.2	0.1	0.1				
-30	0.0	0.1	0.1	0.1	0.2	0.5	1.0	1.6	1.6	1.0	0.5	0.2	0.1	0.1	0.1	0.0			
-40		0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1				
-50	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0			
-60		0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0				
-70	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0			
-80		0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0				
-90	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0										

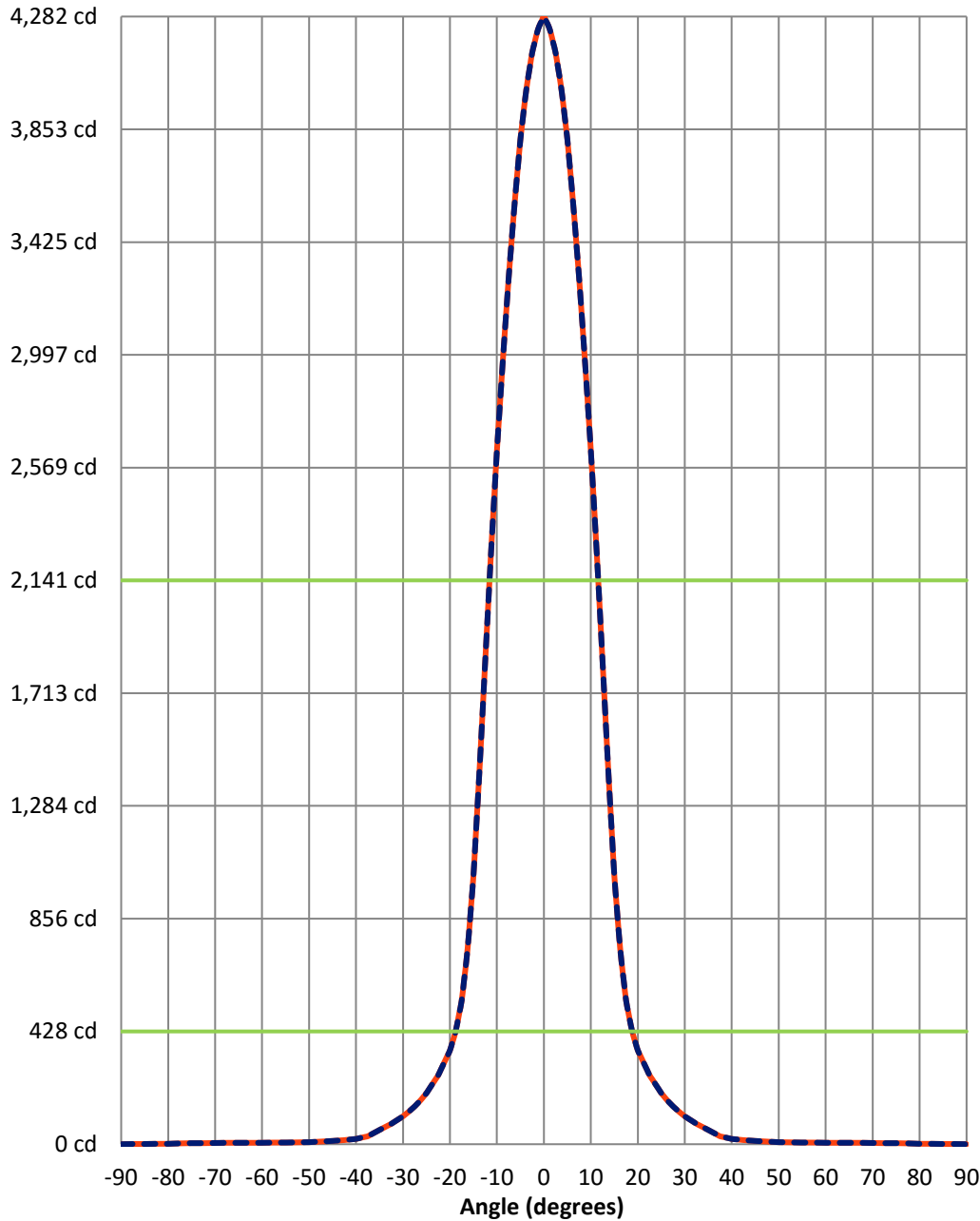
REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

### Luminous Intensity Polar Plot



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.1°  
 V Angle: 23.1°  
 Lumens: 399.4  
 Efficiency: 51.0%

**Field:**  
 H Angle: 37.5°  
 V Angle: 37.5°  
 Lumens: 614.2  
 Efficiency: 78.4%

**Spill:**  
 Lumens: 169  
 Efficiency: 21.6%

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.5	1.5	1.7	2.5
-23.75°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.5	1.5	1.7	2.4
-25°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.5	1.5	1.6	2.3
-26.25°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.5	1.5	1.5	2.3
-27.5°	0.0	0.4	0.7	0.8	0.8	1.0	1.3	1.5	1.5	1.5	2.2
-28.75°	0.0	0.4	0.7	0.8	0.8	0.9	1.2	1.5	1.5	1.5	2.1
-30°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.5	1.5	1.5	2.0
-31.25°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.5	1.5	1.5	1.9
-32.5°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.5	1.5	1.5	1.8
-33.75°	0.0	0.3	0.7	0.8	0.8	0.9	1.1	1.4	1.5	1.5	1.7
-35°	0.0	0.3	0.7	0.8	0.8	0.8	1.1	1.4	1.5	1.5	1.6
-36.25°	0.0	0.3	0.6	0.8	0.8	0.8	1.1	1.4	1.5	1.5	1.5
-37.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.1	1.3	1.5	1.5	1.5
-38.75°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.5	1.5	1.5
-40°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.5	1.5	1.5
-41.25°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.2	1.5	1.5	1.5
-42.5°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.2	1.5	1.5	1.5
-43.75°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.2	1.4	1.5	1.5
-45°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.1	1.4	1.5	1.5
-46.25°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	1.1	1.3	1.5	1.5
-47.5°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.1	1.3	1.5	1.5
-48.75°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.0	1.2	1.5	1.5
-50°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.0	1.2	1.4	1.5
-51.25°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	0.9	1.1	1.4	1.5
-52.5°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.3	1.5
-53.75°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.8	1.1	1.3	1.5
-55°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.8	1.0	1.2	1.4
-56.25°	0.0	0.2	0.4	0.7	0.8	0.8	0.8	0.8	1.0	1.1	1.3
-57.5°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.9	1.1	1.3
-58.75°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	1.0	1.2
-60°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	1.0	1.1
-61.25°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	0.9	1.1
-62.5°	0.0	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	1.0
-63.75°	0.0	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.9
-65°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.9
-66.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8
-67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8
-68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8
-70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.8
-71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.8	0.8	0.8	0.8
-72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8
-73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8
-75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
-76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
-77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8
82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
81.25°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
78.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
76.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.1
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.2
73.75°	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4
72.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.5
71.25°	0.8	0.8	0.8	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.5
70°	0.8	0.8	0.9	1.1	1.2	1.3	1.4	1.5	1.5	1.5	1.5
68.75°	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5
67.5°	0.9	1.0	1.1	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5
66.25°	0.9	1.1	1.2	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.7
65°	1.0	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.7	2.0
63.75°	1.1	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.7	2.0	2.3
62.5°	1.2	1.3	1.5	1.5	1.5	1.5	1.5	1.6	2.0	2.3	2.6
61.25°	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.6	3.0
60°	1.3	1.5	1.5	1.5	1.5	1.5	1.8	2.2	2.5	2.9	3.2
58.75°	1.4	1.5	1.5	1.5	1.5	1.6	2.0	2.4	2.8	3.2	3.3
57.5°	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.7	3.1	3.3	3.5
56.25°	1.5	1.5	1.5	1.5	1.7	2.1	2.5	3.0	3.2	3.4	3.7
55°	1.5	1.5	1.5	1.5	1.9	2.3	2.8	3.2	3.4	3.6	3.8
53.75°	1.5	1.5	1.5	1.7	2.1	2.6	3.0	3.3	3.5	3.7	3.9
52.5°	1.5	1.5	1.5	1.9	2.3	2.8	3.2	3.4	3.6	3.9	3.9
51.25°	1.5	1.5	1.6	2.0	2.5	3.0	3.3	3.5	3.8	3.9	3.9
50°	1.5	1.5	1.7	2.2	2.7	3.2	3.4	3.7	3.9	3.9	3.9
48.75°	1.5	1.5	1.9	2.4	2.9	3.3	3.5	3.8	3.9	3.9	3.9
47.5°	1.5	1.5	2.1	2.6	3.1	3.4	3.6	3.9	3.9	3.9	3.9
46.25°	1.5	1.7	2.2	2.8	3.2	3.5	3.7	3.9	3.9	3.9	4.0
45°	1.5	1.8	2.4	3.0	3.3	3.6	3.9	3.9	3.9	3.9	4.1
43.75°	1.5	2.0	2.6	3.1	3.4	3.7	3.9	3.9	3.9	4.0	4.2
42.5°	1.6	2.1	2.7	3.2	3.5	3.8	3.9	3.9	3.9	4.1	4.3
41.25°	1.7	2.3	2.9	3.3	3.6	3.9	3.9	3.9	3.9	4.2	4.4
40°	1.8	2.4	3.0	3.4	3.7	3.9	3.9	3.9	4.0	4.3	4.5
38.75°	1.9	2.6	3.1	3.4	3.7	3.9	3.9	3.9	4.1	4.4	4.7
37.5°	2.1	2.7	3.2	3.5	3.8	3.9	3.9	3.9	4.2	4.5	4.8
36.25°	2.2	2.8	3.3	3.6	3.9	3.9	3.9	4.0	4.3	4.6	4.9
35°	2.3	2.9	3.3	3.7	3.9	3.9	3.9	4.1	4.4	4.7	5.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	2.4	3.1	3.4	3.7	3.9	3.9	3.9	4.2	4.5	4.8	5.1
32.5°	2.5	3.1	3.5	3.8	3.9	3.9	4.0	4.3	4.6	4.9	5.2
31.25°	2.6	3.2	3.5	3.9	3.9	3.9	4.1	4.3	4.6	5.0	5.3
30°	2.7	3.2	3.6	3.9	3.9	3.9	4.1	4.4	4.7	5.1	5.4
28.75°	2.8	3.3	3.6	3.9	3.9	3.9	4.2	4.5	4.8	5.2	5.4
27.5°	2.9	3.3	3.7	3.9	3.9	3.9	4.3	4.6	4.9	5.2	5.4
26.25°	3.0	3.4	3.8	3.9	3.9	4.0	4.3	4.6	5.0	5.3	5.4
25°	3.1	3.4	3.8	3.9	3.9	4.1	4.4	4.7	5.1	5.4	5.4
23.75°	3.1	3.5	3.8	3.9	3.9	4.1	4.4	4.8	5.1	5.4	5.4
22.5°	3.2	3.5	3.9	3.9	3.9	4.2	4.5	4.8	5.2	5.4	5.4
21.25°	3.2	3.6	3.9	3.9	3.9	4.2	4.5	4.9	5.3	5.4	5.4
20°	3.2	3.6	3.9	3.9	3.9	4.2	4.6	4.9	5.3	5.4	5.4
18.75°	3.3	3.6	3.9	3.9	4.0	4.3	4.6	5.0	5.4	5.4	5.4
17.5°	3.3	3.7	3.9	3.9	4.0	4.3	4.7	5.0	5.4	5.4	5.4
16.25°	3.3	3.7	3.9	3.9	4.0	4.4	4.7	5.1	5.4	5.4	5.4
15°	3.3	3.7	3.9	3.9	4.1	4.4	4.8	5.1	5.4	5.4	5.4
13.75°	3.4	3.8	3.9	3.9	4.1	4.4	4.8	5.2	5.4	5.4	5.4
12.5°	3.4	3.8	3.9	3.9	4.1	4.5	4.8	5.2	5.4	5.4	5.4
11.25°	3.4	3.8	3.9	3.9	4.1	4.5	4.9	5.3	5.4	5.4	5.4
10°	3.4	3.8	3.9	3.9	4.2	4.5	4.9	5.3	5.4	5.4	5.4
8.75°	3.4	3.8	3.9	3.9	4.2	4.5	4.9	5.3	5.4	5.4	5.4
7.5°	3.5	3.9	3.9	3.9	4.2	4.6	4.9	5.3	5.4	5.4	5.4
6.25°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
5°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
3.75°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
2.5°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
1.25°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
0°	3.5	3.9	3.9	3.9	4.3	4.6	5.0	5.4	5.4	5.4	5.4
-1.25°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
-2.5°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
-3.75°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
-5°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
-6.25°	3.5	3.9	3.9	3.9	4.2	4.6	5.0	5.4	5.4	5.4	5.4
-7.5°	3.5	3.9	3.9	3.9	4.2	4.6	4.9	5.3	5.4	5.4	5.4
-8.75°	3.4	3.8	3.9	3.9	4.2	4.5	4.9	5.3	5.4	5.4	5.4
-10°	3.4	3.8	3.9	3.9	4.2	4.5	4.9	5.3	5.4	5.4	5.4
-11.25°	3.4	3.8	3.9	3.9	4.1	4.5	4.9	5.3	5.4	5.4	5.4
-12.5°	3.4	3.8	3.9	3.9	4.1	4.5	4.8	5.2	5.4	5.4	5.4
-13.75°	3.4	3.8	3.9	3.9	4.1	4.4	4.8	5.2	5.4	5.4	5.4
-15°	3.3	3.7	3.9	3.9	4.1	4.4	4.8	5.1	5.4	5.4	5.4
-16.25°	3.3	3.7	3.9	3.9	4.0	4.4	4.7	5.1	5.4	5.4	5.4
-17.5°	3.3	3.7	3.9	3.9	4.0	4.3	4.7	5.0	5.4	5.4	5.4
-18.75°	3.3	3.6	3.9	3.9	4.0	4.3	4.6	5.0	5.4	5.4	5.4
-20°	3.2	3.6	3.9	3.9	3.9	4.2	4.6	4.9	5.3	5.4	5.4
-21.25°	3.2	3.6	3.9	3.9	3.9	4.2	4.5	4.9	5.3	5.4	5.4



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	3.2	3.5	3.9	3.9	3.9	4.2	4.5	4.8	5.2	5.4	5.4
-23.75°	3.1	3.5	3.8	3.9	3.9	4.1	4.4	4.8	5.1	5.4	5.4
-25°	3.1	3.4	3.8	3.9	3.9	4.1	4.4	4.7	5.1	5.4	5.4
-26.25°	3.0	3.4	3.8	3.9	3.9	4.0	4.3	4.6	5.0	5.3	5.4
-27.5°	2.9	3.3	3.7	3.9	3.9	3.9	4.3	4.6	4.9	5.2	5.4
-28.75°	2.8	3.3	3.6	3.9	3.9	3.9	4.2	4.5	4.8	5.2	5.4
-30°	2.7	3.2	3.6	3.9	3.9	3.9	4.1	4.4	4.7	5.1	5.4
-31.25°	2.6	3.2	3.5	3.9	3.9	3.9	4.1	4.3	4.6	5.0	5.3
-32.5°	2.5	3.1	3.5	3.8	3.9	3.9	4.0	4.3	4.6	4.9	5.2
-33.75°	2.4	3.1	3.4	3.7	3.9	3.9	3.9	4.2	4.5	4.8	5.1
-35°	2.3	2.9	3.3	3.7	3.9	3.9	3.9	4.1	4.4	4.7	5.0
-36.25°	2.2	2.8	3.3	3.6	3.9	3.9	3.9	4.0	4.3	4.6	4.9
-37.5°	2.1	2.7	3.2	3.5	3.8	3.9	3.9	3.9	4.2	4.5	4.8
-38.75°	1.9	2.6	3.1	3.4	3.7	3.9	3.9	3.9	4.1	4.4	4.7
-40°	1.8	2.4	3.0	3.4	3.7	3.9	3.9	3.9	4.0	4.3	4.5
-41.25°	1.7	2.3	2.9	3.3	3.6	3.9	3.9	3.9	3.9	4.2	4.4
-42.5°	1.6	2.1	2.7	3.2	3.5	3.8	3.9	3.9	3.9	4.1	4.3
-43.75°	1.5	2.0	2.6	3.1	3.4	3.7	3.9	3.9	3.9	4.0	4.2
-45°	1.5	1.8	2.4	3.0	3.3	3.6	3.9	3.9	3.9	3.9	4.1
-46.25°	1.5	1.7	2.2	2.8	3.2	3.5	3.7	3.9	3.9	3.9	4.0
-47.5°	1.5	1.5	2.1	2.6	3.1	3.4	3.6	3.9	3.9	3.9	3.9
-48.75°	1.5	1.5	1.9	2.4	2.9	3.3	3.5	3.8	3.9	3.9	3.9
-50°	1.5	1.5	1.7	2.2	2.7	3.2	3.4	3.7	3.9	3.9	3.9
-51.25°	1.5	1.5	1.6	2.0	2.5	3.0	3.3	3.5	3.8	3.9	3.9
-52.5°	1.5	1.5	1.5	1.9	2.3	2.8	3.2	3.4	3.6	3.9	3.9
-53.75°	1.5	1.5	1.5	1.7	2.1	2.6	3.0	3.3	3.5	3.7	3.9
-55°	1.5	1.5	1.5	1.5	1.9	2.3	2.8	3.2	3.4	3.6	3.8
-56.25°	1.5	1.5	1.5	1.5	1.7	2.1	2.5	3.0	3.2	3.4	3.7
-57.5°	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.7	3.1	3.3	3.5
-58.75°	1.4	1.5	1.5	1.5	1.5	1.6	2.0	2.4	2.8	3.2	3.3
-60°	1.3	1.5	1.5	1.5	1.5	1.5	1.8	2.2	2.5	2.9	3.2
-61.25°	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.6	3.0
-62.5°	1.2	1.3	1.5	1.5	1.5	1.5	1.5	1.6	2.0	2.3	2.6
-63.75°	1.1	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.7	2.0	2.3
-65°	1.0	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.7	2.0
-66.25°	0.9	1.1	1.2	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.7
-67.5°	0.9	1.0	1.1	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5
-68.75°	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5
-70°	0.8	0.8	0.9	1.1	1.2	1.3	1.4	1.5	1.5	1.5	1.5
-71.25°	0.8	0.8	0.8	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.5
-72.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.5
-73.75°	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4
-75°	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.2
-76.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.1
-77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-81.25°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8
-85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
81.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.0
80°	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.1	1.2
78.75°	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4
77.5°	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.5	1.5	1.5
76.25°	1.2	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
73.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.7
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.9	2.0	2.2
71.25°	1.5	1.5	1.5	1.5	1.5	1.7	1.9	2.1	2.3	2.5	2.7
70°	1.5	1.5	1.5	1.6	1.9	2.1	2.3	2.6	2.8	3.0	3.2
68.75°	1.5	1.5	1.8	2.0	2.3	2.5	2.8	3.0	3.2	3.3	3.4
67.5°	1.6	1.9	2.2	2.4	2.7	3.0	3.2	3.3	3.4	3.5	3.7
66.25°	2.0	2.2	2.5	2.8	3.1	3.2	3.4	3.5	3.6	3.8	3.9
65°	2.3	2.6	2.9	3.2	3.3	3.4	3.6	3.7	3.9	3.9	3.9
63.75°	2.6	3.0	3.2	3.3	3.5	3.7	3.8	3.9	3.9	3.9	3.9
62.5°	3.0	3.2	3.4	3.5	3.7	3.9	3.9	3.9	3.9	3.9	3.9
61.25°	3.2	3.4	3.6	3.7	3.9	3.9	3.9	3.9	3.9	3.9	4.0
60°	3.4	3.6	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.2
58.75°	3.5	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.2	4.3	4.5
57.5°	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.2	4.3	4.5	4.7
56.25°	3.9	3.9	3.9	3.9	3.9	4.0	4.2	4.4	4.5	4.7	4.9
55°	3.9	3.9	3.9	3.9	4.0	4.2	4.4	4.6	4.7	4.9	5.1
53.75°	3.9	3.9	3.9	4.0	4.2	4.4	4.6	4.7	5.0	5.2	5.3
52.5°	3.9	3.9	4.0	4.2	4.3	4.5	4.7	5.0	5.2	5.4	5.4
51.25°	3.9	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.4	5.4
50°	3.9	4.0	4.2	4.5	4.7	4.9	5.1	5.3	5.4	5.4	5.4
48.75°	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.4	5.4	5.4	5.4
47.5°	4.1	4.3	4.5	4.8	5.0	5.3	5.4	5.4	5.4	5.4	5.4
46.25°	4.2	4.4	4.7	4.9	5.2	5.4	5.4	5.4	5.4	5.4	5.4
45°	4.3	4.6	4.8	5.1	5.3	5.4	5.4	5.4	5.4	5.4	5.4
43.75°	4.5	4.7	5.0	5.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4
42.5°	4.6	4.8	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
41.25°	4.7	5.0	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
40°	4.8	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
38.75°	5.0	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
37.5°	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.6
36.25°	5.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.8
35°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.7	6.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.8	6.1
32.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.2
31.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.8	6.2	6.2
30°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.2	6.2
28.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.8	6.1	6.2	6.2
27.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.6	5.9	6.2	6.2	6.2
26.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.2	6.2	6.3
25°	5.4	5.4	5.4	5.4	5.4	5.5	5.8	6.2	6.2	6.2	6.4
23.75°	5.4	5.4	5.4	5.4	5.4	5.6	5.9	6.2	6.2	6.2	6.5
22.5°	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.2	6.2	6.3	6.7
21.25°	5.4	5.4	5.4	5.4	5.4	5.8	6.1	6.2	6.2	6.4	6.8
20°	5.4	5.4	5.4	5.4	5.5	5.9	6.2	6.2	6.2	6.5	6.9
18.75°	5.4	5.4	5.4	5.4	5.6	6.0	6.2	6.2	6.3	6.6	7.0
17.5°	5.4	5.4	5.4	5.4	5.7	6.0	6.2	6.2	6.4	6.7	7.1
16.25°	5.4	5.4	5.4	5.4	5.7	6.1	6.2	6.2	6.4	6.8	7.2
15°	5.4	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.5	6.9	7.2
13.75°	5.4	5.4	5.4	5.5	5.9	6.2	6.2	6.2	6.6	7.0	7.3
12.5°	5.4	5.4	5.4	5.5	5.9	6.2	6.2	6.3	6.7	7.0	7.4
11.25°	5.4	5.4	5.4	5.6	6.0	6.2	6.2	6.3	6.7	7.1	7.4
10°	5.4	5.4	5.4	5.6	6.0	6.2	6.2	6.4	6.8	7.2	7.5
8.75°	5.4	5.4	5.4	5.7	6.1	6.2	6.2	6.4	6.8	7.2	7.5
7.5°	5.4	5.4	5.4	5.7	6.1	6.2	6.2	6.5	6.9	7.2	7.6
6.25°	5.4	5.4	5.4	5.7	6.1	6.2	6.2	6.5	6.9	7.3	7.6
5°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.5	6.9	7.3	7.6
3.75°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7
2.5°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7
1.25°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7
0°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.4	7.7
-1.25°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7
-2.5°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7
-3.75°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7
-5°	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.5	6.9	7.3	7.6
-6.25°	5.4	5.4	5.4	5.7	6.1	6.2	6.2	6.5	6.9	7.3	7.6
-7.5°	5.4	5.4	5.4	5.7	6.1	6.2	6.2	6.5	6.9	7.2	7.6
-8.75°	5.4	5.4	5.4	5.7	6.1	6.2	6.2	6.4	6.8	7.2	7.5
-10°	5.4	5.4	5.4	5.6	6.0	6.2	6.2	6.4	6.8	7.2	7.5
-11.25°	5.4	5.4	5.4	5.6	6.0	6.2	6.2	6.3	6.7	7.1	7.4
-12.5°	5.4	5.4	5.4	5.5	5.9	6.2	6.2	6.3	6.7	7.0	7.4
-13.75°	5.4	5.4	5.4	5.5	5.9	6.2	6.2	6.2	6.6	7.0	7.3
-15°	5.4	5.4	5.4	5.4	5.8	6.2	6.2	6.2	6.5	6.9	7.2
-16.25°	5.4	5.4	5.4	5.4	5.7	6.1	6.2	6.2	6.4	6.8	7.2
-17.5°	5.4	5.4	5.4	5.4	5.7	6.0	6.2	6.2	6.4	6.7	7.1
-18.75°	5.4	5.4	5.4	5.4	5.6	6.0	6.2	6.2	6.3	6.6	7.0
-20°	5.4	5.4	5.4	5.4	5.5	5.9	6.2	6.2	6.2	6.5	6.9
-21.25°	5.4	5.4	5.4	5.4	5.4	5.8	6.1	6.2	6.2	6.4	6.8





REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.2	6.2	6.3	6.7
-23.75°	5.4	5.4	5.4	5.4	5.4	5.6	5.9	6.2	6.2	6.2	6.5
-25°	5.4	5.4	5.4	5.4	5.4	5.5	5.8	6.2	6.2	6.2	6.4
-26.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.2	6.2	6.3
-27.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.6	5.9	6.2	6.2	6.2
-28.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.8	6.1	6.2	6.2
-30°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.2	6.2
-31.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.8	6.2	6.2
-32.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.2
-33.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.8	6.1
-35°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.7	6.0
-36.25°	5.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.8
-37.5°	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.6
-38.75°	5.0	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-40°	4.8	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-41.25°	4.7	5.0	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-42.5°	4.6	4.8	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-43.75°	4.5	4.7	5.0	5.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-45°	4.3	4.6	4.8	5.1	5.3	5.4	5.4	5.4	5.4	5.4	5.4
-46.25°	4.2	4.4	4.7	4.9	5.2	5.4	5.4	5.4	5.4	5.4	5.4
-47.5°	4.1	4.3	4.5	4.8	5.0	5.3	5.4	5.4	5.4	5.4	5.4
-48.75°	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.4	5.4	5.4	5.4
-50°	3.9	4.0	4.2	4.5	4.7	4.9	5.1	5.3	5.4	5.4	5.4
-51.25°	3.9	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.4	5.4
-52.5°	3.9	3.9	4.0	4.2	4.3	4.5	4.7	5.0	5.2	5.4	5.4
-53.75°	3.9	3.9	3.9	4.0	4.2	4.4	4.6	4.7	5.0	5.2	5.3
-55°	3.9	3.9	3.9	3.9	4.0	4.2	4.4	4.6	4.7	4.9	5.1
-56.25°	3.9	3.9	3.9	3.9	3.9	4.0	4.2	4.4	4.5	4.7	4.9
-57.5°	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.2	4.3	4.5	4.7
-58.75°	3.5	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.2	4.3	4.5
-60°	3.4	3.6	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.2
-61.25°	3.2	3.4	3.6	3.7	3.9	3.9	3.9	3.9	3.9	3.9	4.0
-62.5°	3.0	3.2	3.4	3.5	3.7	3.9	3.9	3.9	3.9	3.9	3.9
-63.75°	2.6	3.0	3.2	3.3	3.5	3.7	3.8	3.9	3.9	3.9	3.9
-65°	2.3	2.6	2.9	3.2	3.3	3.4	3.6	3.7	3.9	3.9	3.9
-66.25°	2.0	2.2	2.5	2.8	3.1	3.2	3.4	3.5	3.6	3.8	3.9
-67.5°	1.6	1.9	2.2	2.4	2.7	3.0	3.2	3.3	3.4	3.5	3.7
-68.75°	1.5	1.5	1.8	2.0	2.3	2.5	2.8	3.0	3.2	3.3	3.4
-70°	1.5	1.5	1.5	1.6	1.9	2.1	2.3	2.6	2.8	3.0	3.2
-71.25°	1.5	1.5	1.5	1.5	1.5	1.7	1.9	2.1	2.3	2.5	2.7
-72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.9	2.0	2.2
-73.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.7
-75°	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-76.25°	1.2	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-77.5°	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.5	1.5	1.5



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
81.25°	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.4
80°	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5
78.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
76.25°	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.8	1.9	2.1	2.2
75°	1.5	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8
73.75°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.0	3.1	3.2	3.3
72.5°	2.4	2.6	2.8	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6
71.25°	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9
70°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9	3.9	3.9	3.9
68.75°	3.5	3.6	3.7	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
67.5°	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0
66.25°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.2	4.3
65°	3.9	3.9	3.9	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6
63.75°	3.9	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.7	4.8	4.9
62.5°	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.8	5.0	5.1	5.2
61.25°	4.2	4.3	4.4	4.6	4.7	4.8	5.0	5.1	5.3	5.4	5.4
60°	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.4	5.4	5.4
58.75°	4.6	4.8	4.9	5.1	5.2	5.4	5.4	5.4	5.4	5.4	5.4
57.5°	4.8	5.0	5.2	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4
56.25°	5.1	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
55°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
53.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
52.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
51.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5
50°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.6	5.8
48.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.7	5.9	6.1
47.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.6	5.8	6.0	6.2	6.2
46.25°	5.4	5.4	5.4	5.4	5.4	5.6	5.8	6.0	6.2	6.2	6.2
45°	5.4	5.4	5.4	5.4	5.6	5.9	6.1	6.2	6.2	6.2	6.2
43.75°	5.4	5.4	5.4	5.6	5.9	6.1	6.2	6.2	6.2	6.2	6.4
42.5°	5.4	5.4	5.6	5.9	6.1	6.2	6.2	6.2	6.2	6.5	6.7
41.25°	5.4	5.6	5.8	6.1	6.2	6.2	6.2	6.3	6.5	6.7	6.9
40°	5.5	5.8	6.0	6.2	6.2	6.2	6.3	6.5	6.7	7.0	7.2
38.75°	5.7	6.0	6.2	6.2	6.2	6.2	6.5	6.7	7.0	7.2	7.4
37.5°	5.9	6.2	6.2	6.2	6.2	6.5	6.7	7.0	7.2	7.4	7.6
36.25°	6.1	6.2	6.2	6.2	6.4	6.7	6.9	7.2	7.4	7.6	8.2
35°	6.2	6.2	6.2	6.3	6.6	6.9	7.1	7.4	7.6	8.2	8.9



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	6.2	6.2	6.2	6.5	6.8	7.1	7.3	7.6	8.1	8.9	9.6
32.5°	6.2	6.2	6.4	6.7	7.0	7.3	7.5	7.9	8.7	9.5	10.3
31.25°	6.2	6.3	6.6	6.9	7.2	7.4	7.7	8.5	9.4	10.2	11.0
30°	6.2	6.5	6.8	7.1	7.3	7.6	8.3	9.1	10.0	10.9	11.7
28.75°	6.3	6.6	6.9	7.2	7.5	7.9	8.8	9.7	10.6	11.5	12.4
27.5°	6.5	6.8	7.1	7.4	7.7	8.5	9.4	10.3	11.2	12.1	13.2
26.25°	6.6	6.9	7.2	7.5	8.1	9.0	9.9	10.9	11.8	12.8	14.0
25°	6.7	7.1	7.4	7.7	8.5	9.5	10.4	11.4	12.4	13.6	14.8
23.75°	6.9	7.2	7.5	8.0	9.0	9.9	10.9	11.9	13.1	14.3	15.6
22.5°	7.0	7.3	7.6	8.4	9.4	10.4	11.4	12.5	13.8	15.0	16.7
21.25°	7.1	7.4	7.8	8.8	9.8	10.9	11.9	13.1	14.4	15.8	17.8
20°	7.2	7.5	8.2	9.2	10.2	11.3	12.4	13.7	15.0	16.8	18.8
18.75°	7.3	7.6	8.5	9.6	10.6	11.7	12.9	14.3	15.7	17.7	19.7
17.5°	7.4	7.8	8.9	9.9	11.0	12.1	13.4	14.8	16.5	18.6	21.2
16.25°	7.5	8.1	9.2	10.2	11.4	12.5	13.9	15.3	17.3	19.4	23.0
15°	7.6	8.4	9.5	10.6	11.7	12.9	14.3	15.9	18.0	20.2	24.8
13.75°	7.7	8.6	9.7	10.8	12.0	13.3	14.8	16.6	18.7	21.7	26.4
12.5°	7.8	8.9	10.0	11.1	12.3	13.7	15.2	17.2	19.3	23.2	27.8
11.25°	8.0	9.1	10.2	11.4	12.5	14.0	15.5	17.7	19.9	24.5	29.2
10°	8.2	9.3	10.4	11.6	12.8	14.3	16.0	18.2	20.8	25.6	30.9
8.75°	8.3	9.4	10.6	11.8	13.1	14.6	16.4	18.6	21.8	26.7	33.5
7.5°	8.5	9.6	10.8	11.9	13.3	14.8	16.8	19.0	22.7	27.6	35.7
6.25°	8.6	9.7	10.9	12.1	13.5	15.0	17.1	19.4	23.4	28.3	37.7
5°	8.7	9.8	11.0	12.2	13.7	15.2	17.3	19.6	24.0	29.0	39.3
3.75°	8.8	9.9	11.1	12.3	13.8	15.3	17.5	19.8	24.5	29.5	40.5
2.5°	8.8	10.0	11.1	12.3	13.9	15.4	17.7	20.0	24.8	29.8	41.4
1.25°	8.8	10.0	11.2	12.4	13.9	15.5	17.8	20.1	25.0	30.0	41.9
0°	8.9	10.0	11.2	12.4	14.0	15.5	17.8	20.1	25.1	30.1	42.1
-1.25°	8.8	10.0	11.2	12.4	13.9	15.5	17.8	20.1	25.0	30.0	41.9
-2.5°	8.8	10.0	11.1	12.3	13.9	15.4	17.7	20.0	24.8	29.8	41.4
-3.75°	8.8	9.9	11.1	12.3	13.8	15.3	17.5	19.8	24.5	29.5	40.5
-5°	8.7	9.8	11.0	12.2	13.7	15.2	17.3	19.6	24.0	29.0	39.3
-6.25°	8.6	9.7	10.9	12.1	13.5	15.0	17.1	19.4	23.4	28.3	37.7
-7.5°	8.5	9.6	10.8	11.9	13.3	14.8	16.8	19.0	22.7	27.6	35.7
-8.75°	8.3	9.4	10.6	11.8	13.1	14.6	16.4	18.6	21.8	26.7	33.5
-10°	8.2	9.3	10.4	11.6	12.8	14.3	16.0	18.2	20.8	25.6	30.9
-11.25°	8.0	9.1	10.2	11.4	12.5	14.0	15.5	17.7	19.9	24.5	29.2
-12.5°	7.8	8.9	10.0	11.1	12.3	13.7	15.2	17.2	19.3	23.2	27.8
-13.75°	7.7	8.6	9.7	10.8	12.0	13.3	14.8	16.6	18.7	21.7	26.4
-15°	7.6	8.4	9.5	10.6	11.7	12.9	14.3	15.9	18.0	20.2	24.8
-16.25°	7.5	8.1	9.2	10.2	11.4	12.5	13.9	15.3	17.3	19.4	23.0
-17.5°	7.4	7.8	8.9	9.9	11.0	12.1	13.4	14.8	16.5	18.6	21.2
-18.75°	7.3	7.6	8.5	9.6	10.6	11.7	12.9	14.3	15.7	17.7	19.7
-20°	7.2	7.5	8.2	9.2	10.2	11.3	12.4	13.7	15.0	16.8	18.8
-21.25°	7.1	7.4	7.8	8.8	9.8	10.9	11.9	13.1	14.4	15.8	17.8



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	7.0	7.3	7.6	8.4	9.4	10.4	11.4	12.5	13.8	15.0	16.7
-23.75°	6.9	7.2	7.5	8.0	9.0	9.9	10.9	11.9	13.1	14.3	15.6
-25°	6.7	7.1	7.4	7.7	8.5	9.5	10.4	11.4	12.4	13.6	14.8
-26.25°	6.6	6.9	7.2	7.5	8.1	9.0	9.9	10.9	11.8	12.8	14.0
-27.5°	6.5	6.8	7.1	7.4	7.7	8.5	9.4	10.3	11.2	12.1	13.2
-28.75°	6.3	6.6	6.9	7.2	7.5	7.9	8.8	9.7	10.6	11.5	12.4
-30°	6.2	6.5	6.8	7.1	7.3	7.6	8.3	9.1	10.0	10.9	11.7
-31.25°	6.2	6.3	6.6	6.9	7.2	7.4	7.7	8.5	9.4	10.2	11.0
-32.5°	6.2	6.2	6.4	6.7	7.0	7.3	7.5	7.9	8.7	9.5	10.3
-33.75°	6.2	6.2	6.2	6.5	6.8	7.1	7.3	7.6	8.1	8.9	9.6
-35°	6.2	6.2	6.2	6.3	6.6	6.9	7.1	7.4	7.6	8.2	8.9
-36.25°	6.1	6.2	6.2	6.2	6.4	6.7	6.9	7.2	7.4	7.6	8.2
-37.5°	5.9	6.2	6.2	6.2	6.2	6.5	6.7	7.0	7.2	7.4	7.6
-38.75°	5.7	6.0	6.2	6.2	6.2	6.2	6.5	6.7	7.0	7.2	7.4
-40°	5.5	5.8	6.0	6.2	6.2	6.2	6.3	6.5	6.7	7.0	7.2
-41.25°	5.4	5.6	5.8	6.1	6.2	6.2	6.2	6.3	6.5	6.7	6.9
-42.5°	5.4	5.4	5.6	5.9	6.1	6.2	6.2	6.2	6.2	6.5	6.7
-43.75°	5.4	5.4	5.4	5.6	5.9	6.1	6.2	6.2	6.2	6.2	6.4
-45°	5.4	5.4	5.4	5.4	5.6	5.9	6.1	6.2	6.2	6.2	6.2
-46.25°	5.4	5.4	5.4	5.4	5.4	5.6	5.8	6.0	6.2	6.2	6.2
-47.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.6	5.8	6.0	6.2	6.2
-48.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.7	5.9	6.1
-50°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.6	5.8
-51.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5
-52.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-53.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-55°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-56.25°	5.1	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-57.5°	4.8	5.0	5.2	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-58.75°	4.6	4.8	4.9	5.1	5.2	5.4	5.4	5.4	5.4	5.4	5.4
-60°	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.4	5.4	5.4
-61.25°	4.2	4.3	4.4	4.6	4.7	4.8	5.0	5.1	5.3	5.4	5.4
-62.5°	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.8	5.0	5.1	5.2
-63.75°	3.9	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.7	4.8	4.9
-65°	3.9	3.9	3.9	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6
-66.25°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.2	4.3
-67.5°	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0
-68.75°	3.5	3.6	3.7	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-70°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9	3.9	3.9	3.9
-71.25°	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9
-72.5°	2.4	2.6	2.8	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6
-73.75°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.0	3.1	3.2	3.3
-75°	1.5	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8
-76.25°	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.8	1.9	2.1	2.2
-77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-80°	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5
-81.25°	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.4
-82.5°	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
-83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0
82.5°	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
81.25°	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
78.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.7
77.5°	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.5
76.25°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2
75°	2.9	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5
73.75°	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.8	3.8	3.8	3.9
72.5°	3.7	3.7	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
71.25°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
70°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.1	4.2
68.75°	3.9	3.9	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5
67.5°	4.1	4.2	4.3	4.3	4.4	4.5	4.6	4.6	4.7	4.8	4.8
66.25°	4.4	4.5	4.6	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2
65°	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.4
63.75°	5.0	5.1	5.2	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4
62.5°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
58.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
57.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
56.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.6	5.7
55°	5.4	5.4	5.4	5.4	5.4	5.5	5.6	5.7	5.8	5.9	6.0
53.75°	5.4	5.4	5.4	5.5	5.7	5.8	5.9	6.0	6.2	6.2	6.2
52.5°	5.4	5.5	5.7	5.8	6.0	6.1	6.2	6.2	6.2	6.2	6.2
51.25°	5.7	5.8	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3
50°	6.0	6.1	6.2	6.2	6.2	6.2	6.2	6.3	6.4	6.5	6.7
48.75°	6.2	6.2	6.2	6.2	6.2	6.3	6.5	6.6	6.7	6.9	7.0
47.5°	6.2	6.2	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3
46.25°	6.2	6.2	6.4	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6
45°	6.3	6.5	6.7	6.9	7.1	7.2	7.4	7.5	7.7	8.0	8.4
43.75°	6.6	6.8	7.0	7.2	7.3	7.5	7.7	8.1	8.5	9.0	9.4
42.5°	6.9	7.1	7.3	7.4	7.6	7.9	8.5	9.0	9.5	9.9	10.4
41.25°	7.1	7.3	7.5	7.7	8.3	8.8	9.4	9.9	10.4	10.9	11.4
40°	7.4	7.6	7.9	8.5	9.1	9.7	10.3	10.9	11.4	11.9	12.5
38.75°	7.6	8.1	8.7	9.4	10.0	10.6	11.2	11.8	12.4	13.1	13.8
37.5°	8.2	8.9	9.5	10.2	10.9	11.5	12.1	12.8	13.6	14.3	15.0
36.25°	8.9	9.6	10.3	11.0	11.7	12.4	13.2	14.0	14.8	15.6	16.7
35°	9.7	10.4	11.2	11.9	12.6	13.5	14.4	15.2	16.3	17.5	18.6



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	10.4	11.2	11.9	12.8	13.7	14.6	15.5	16.8	18.1	19.3	20.9
32.5°	11.2	11.9	12.8	13.8	14.8	15.8	17.2	18.5	19.8	22.2	24.8
31.25°	11.9	12.8	13.8	14.8	16.0	17.4	18.8	20.4	23.3	26.1	28.8
30°	12.6	13.7	14.8	16.0	17.5	19.0	20.9	23.9	26.9	29.8	36.2
28.75°	13.5	14.6	15.8	17.4	19.0	21.0	24.3	27.5	31.2	38.4	45.4
27.5°	14.4	15.5	17.2	18.8	20.9	24.3	27.6	32.1	39.7	47.2	54.4
26.25°	15.2	16.8	18.5	20.4	23.9	27.5	32.1	40.2	48.1	55.7	63.0
25°	16.3	18.1	19.8	23.3	26.9	31.2	39.7	48.1	56.2	63.9	71.3
23.75°	17.5	19.3	22.2	26.1	29.8	38.4	47.2	55.7	63.9	71.8	80.0
22.5°	18.6	20.9	24.8	28.8	36.2	45.4	54.4	63.0	71.3	80.0	89.8
21.25°	19.7	23.3	27.4	33.2	42.7	52.2	61.2	70.0	78.9	89.2	99.4
20°	21.4	25.6	29.8	39.2	49.0	58.5	67.7	76.7	87.5	98.2	109.2
18.75°	23.6	27.9	34.9	45.0	54.9	64.5	73.9	84.5	95.7	106.9	120.1
17.5°	25.6	30.0	40.2	50.5	60.4	70.2	80.4	92.1	103.6	117.0	131.8
16.25°	27.5	34.5	45.1	55.6	65.7	75.6	87.4	99.3	112.3	127.3	143.6
15°	29.3	39.0	49.8	60.3	70.6	81.5	93.9	106.3	121.2	137.6	155.6
13.75°	32.2	43.2	54.2	64.7	75.1	87.4	100.1	114.1	130.3	148.1	168.0
12.5°	35.9	47.1	58.1	68.8	79.9	92.9	105.7	121.5	139.1	158.6	180.9
11.25°	39.3	50.6	61.6	72.5	84.7	97.9	112.1	129.0	147.7	168.8	193.4
10°	42.3	53.8	64.8	75.9	89.0	102.4	117.9	135.8	155.9	179.2	207.1
8.75°	45.1	56.6	67.7	79.2	92.9	106.6	123.5	142.5	163.9	188.9	219.5
7.5°	47.4	59.0	70.2	82.4	96.2	110.9	128.6	148.3	170.9	198.2	230.5
6.25°	49.5	61.0	72.4	85.2	99.1	114.6	132.9	153.5	177.8	207.2	239.9
5°	51.1	62.7	74.1	87.5	101.5	117.7	136.6	158.2	183.5	214.6	247.7
3.75°	52.4	64.0	75.5	89.3	103.4	120.1	139.7	161.9	188.0	220.4	253.9
2.5°	53.4	64.9	76.5	90.5	104.7	122.0	141.9	164.5	191.3	224.5	258.3
1.25°	53.9	65.5	77.1	91.3	105.5	123.2	143.3	166.1	193.2	227.1	261.0
0°	54.1	65.7	77.3	91.6	105.8	123.6	143.7	166.7	193.9	227.9	261.9
-1.25°	53.9	65.5	77.1	91.3	105.5	123.2	143.3	166.1	193.2	227.1	261.0
-2.5°	53.4	64.9	76.5	90.5	104.7	122.0	141.9	164.5	191.3	224.5	258.3
-3.75°	52.4	64.0	75.5	89.3	103.4	120.1	139.7	161.9	188.0	220.4	253.9
-5°	51.1	62.7	74.1	87.5	101.5	117.7	136.6	158.2	183.5	214.6	247.7
-6.25°	49.5	61.0	72.4	85.2	99.1	114.6	132.9	153.5	177.8	207.2	239.9
-7.5°	47.4	59.0	70.2	82.4	96.2	110.9	128.6	148.3	170.9	198.2	230.5
-8.75°	45.1	56.6	67.7	79.2	92.9	106.6	123.5	142.5	163.9	188.9	219.5
-10°	42.3	53.8	64.8	75.9	89.0	102.4	117.9	135.8	155.9	179.2	207.1
-11.25°	39.3	50.6	61.6	72.5	84.7	97.9	112.1	129.0	147.7	168.8	193.4
-12.5°	35.9	47.1	58.1	68.8	79.9	92.9	105.7	121.5	139.1	158.6	180.9
-13.75°	32.2	43.2	54.2	64.7	75.1	87.4	100.1	114.1	130.3	148.1	168.0
-15°	29.3	39.0	49.8	60.3	70.6	81.5	93.9	106.3	121.2	137.6	155.6
-16.25°	27.5	34.5	45.1	55.6	65.7	75.6	87.4	99.3	112.3	127.3	143.6
-17.5°	25.6	30.0	40.2	50.5	60.4	70.2	80.4	92.1	103.6	117.0	131.8
-18.75°	23.6	27.9	34.9	45.0	54.9	64.5	73.9	84.5	95.7	106.9	120.1
-20°	21.4	25.6	29.8	39.2	49.0	58.5	67.7	76.7	87.5	98.2	109.2
-21.25°	19.7	23.3	27.4	33.2	42.7	52.2	61.2	70.0	78.9	89.2	99.4





REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	18.6	20.9	24.8	28.8	36.2	45.4	54.4	63.0	71.3	80.0	89.8
-23.75°	17.5	19.3	22.2	26.1	29.8	38.4	47.2	55.7	63.9	71.8	80.0
-25°	16.3	18.1	19.8	23.3	26.9	31.2	39.7	48.1	56.2	63.9	71.3
-26.25°	15.2	16.8	18.5	20.4	23.9	27.5	32.1	40.2	48.1	55.7	63.0
-27.5°	14.4	15.5	17.2	18.8	20.9	24.3	27.6	32.1	39.7	47.2	54.4
-28.75°	13.5	14.6	15.8	17.4	19.0	21.0	24.3	27.5	31.2	38.4	45.4
-30°	12.6	13.7	14.8	16.0	17.5	19.0	20.9	23.9	26.9	29.8	36.2
-31.25°	11.9	12.8	13.8	14.8	16.0	17.4	18.8	20.4	23.3	26.1	28.8
-32.5°	11.2	11.9	12.8	13.8	14.8	15.8	17.2	18.5	19.8	22.2	24.8
-33.75°	10.4	11.2	11.9	12.8	13.7	14.6	15.5	16.8	18.1	19.3	20.9
-35°	9.7	10.4	11.2	11.9	12.6	13.5	14.4	15.2	16.3	17.5	18.6
-36.25°	8.9	9.6	10.3	11.0	11.7	12.4	13.2	14.0	14.8	15.6	16.7
-37.5°	8.2	8.9	9.5	10.2	10.9	11.5	12.1	12.8	13.6	14.3	15.0
-38.75°	7.6	8.1	8.7	9.4	10.0	10.6	11.2	11.8	12.4	13.1	13.8
-40°	7.4	7.6	7.9	8.5	9.1	9.7	10.3	10.9	11.4	11.9	12.5
-41.25°	7.1	7.3	7.5	7.7	8.3	8.8	9.4	9.9	10.4	10.9	11.4
-42.5°	6.9	7.1	7.3	7.4	7.6	7.9	8.5	9.0	9.5	9.9	10.4
-43.75°	6.6	6.8	7.0	7.2	7.3	7.5	7.7	8.1	8.5	9.0	9.4
-45°	6.3	6.5	6.7	6.9	7.1	7.2	7.4	7.5	7.7	8.0	8.4
-46.25°	6.2	6.2	6.4	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6
-47.5°	6.2	6.2	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3
-48.75°	6.2	6.2	6.2	6.2	6.2	6.3	6.5	6.6	6.7	6.9	7.0
-50°	6.0	6.1	6.2	6.2	6.2	6.2	6.2	6.3	6.4	6.5	6.7
-51.25°	5.7	5.8	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3
-52.5°	5.4	5.5	5.7	5.8	6.0	6.1	6.2	6.2	6.2	6.2	6.2
-53.75°	5.4	5.4	5.4	5.5	5.7	5.8	5.9	6.0	6.2	6.2	6.2
-55°	5.4	5.4	5.4	5.4	5.4	5.5	5.6	5.7	5.8	5.9	6.0
-56.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.6	5.7
-57.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-58.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-62.5°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-63.75°	5.0	5.1	5.2	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-65°	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.4
-66.25°	4.4	4.5	4.6	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2
-67.5°	4.1	4.2	4.3	4.3	4.4	4.5	4.6	4.6	4.7	4.8	4.8
-68.75°	3.9	3.9	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5
-70°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.1	4.2
-71.25°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-72.5°	3.7	3.7	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-73.75°	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.8	3.8	3.8	3.9
-75°	2.9	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5
-76.25°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2
-77.5°	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.5



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.7
-80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-81.25°	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-82.5°	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
-83.75°	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
81.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
78.75°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2
77.5°	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.0
76.25°	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4
75°	3.6	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
73.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
71.25°	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.2	4.2
70°	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5
68.75°	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9
67.5°	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.3
66.25°	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
63.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
58.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.6	5.6	5.7
57.5°	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.0	6.0	6.1
56.25°	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.2	6.2	6.2	6.2
55°	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
53.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.4	6.4
52.5°	6.2	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.7	6.8	6.8
51.25°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.2
50°	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.4	7.5	7.5
48.75°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	8.0	8.2	8.3
47.5°	7.4	7.5	7.6	7.8	8.1	8.4	8.6	8.9	9.1	9.3	9.4
46.25°	7.8	8.2	8.5	8.9	9.2	9.5	9.7	10.0	10.2	10.4	10.6
45°	8.8	9.2	9.6	9.9	10.2	10.6	10.8	11.1	11.4	11.6	11.8
43.75°	9.8	10.2	10.6	11.0	11.4	11.7	12.0	12.3	12.5	12.8	13.1
42.5°	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.0	14.3	14.6
41.25°	11.9	12.4	12.9	13.4	13.9	14.3	14.8	15.2	15.5	16.0	16.4
40°	13.1	13.7	14.3	14.8	15.3	15.9	16.6	17.2	17.7	18.2	18.6
38.75°	14.4	15.0	15.7	16.5	17.3	18.0	18.7	19.3	19.9	20.8	21.8
37.5°	15.8	16.8	17.7	18.6	19.4	20.2	21.7	23.2	24.5	25.6	26.7
36.25°	17.8	18.8	19.7	21.2	23.0	24.8	26.4	27.8	29.2	30.9	33.5
35°	19.7	21.4	23.6	25.6	27.5	29.3	32.2	35.9	39.3	42.3	45.1



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	23.3	25.6	27.9	30.0	34.5	39.0	43.2	47.1	50.6	53.8	56.6
32.5°	27.4	29.8	34.9	40.2	45.1	49.8	54.2	58.1	61.6	64.8	67.7
31.25°	33.2	39.2	45.0	50.5	55.6	60.3	64.7	68.8	72.5	75.9	79.2
30°	42.7	49.0	54.9	60.4	65.7	70.6	75.1	79.9	84.7	89.0	92.9
28.75°	52.2	58.5	64.5	70.2	75.6	81.5	87.4	92.9	97.9	102.4	106.6
27.5°	61.2	67.7	73.9	80.4	87.4	93.9	100.1	105.7	112.1	117.9	123.5
26.25°	70.0	76.7	84.5	92.1	99.3	106.3	114.1	121.5	129.0	135.8	142.5
25°	78.9	87.5	95.7	103.6	112.3	121.2	130.3	139.1	147.7	155.9	163.9
23.75°	89.2	98.2	106.9	117.0	127.3	137.6	148.1	158.6	168.8	179.2	188.9
22.5°	99.4	109.2	120.1	131.8	143.6	155.6	168.0	180.9	193.4	207.1	219.5
21.25°	110.0	121.9	134.4	147.6	161.5	175.8	190.8	207.3	223.2	237.8	250.9
20°	121.9	135.4	149.7	165.0	181.4	199.0	218.1	236.1	252.8	270.6	289.9
18.75°	134.4	149.7	166.2	184.2	204.3	225.4	245.5	265.3	289.8	312.3	332.6
17.5°	147.6	165.0	184.2	206.1	229.1	251.2	276.2	303.7	329.5	353.3	383.0
16.25°	161.5	181.4	204.3	229.1	253.1	281.6	312.2	341.2	373.6	409.7	456.6
15°	175.8	199.0	225.4	251.2	281.6	315.1	347.1	386.8	435.5	491.7	566.9
13.75°	190.8	218.1	245.5	276.2	312.2	347.1	391.2	448.8	522.6	613.1	734.5
12.5°	207.3	236.1	265.3	303.7	341.2	386.8	448.8	533.1	646.0	788.9	966.6
11.25°	223.2	252.8	289.8	329.5	373.6	435.5	522.6	646.0	812.8	1016.8	1254.2
10°	237.8	270.6	312.3	353.3	409.7	491.7	613.1	788.9	1016.8	1287.7	1570.6
8.75°	250.9	289.9	332.6	383.0	456.6	566.9	734.5	966.6	1254.2	1570.6	1881.8
7.5°	262.8	306.9	350.8	410.7	504.3	650.4	868.2	1155.3	1490.8	1838.2	2165.3
6.25°	276.6	321.7	370.9	445.0	559.3	739.8	1000.1	1335.5	1709.7	2076.4	2410.3
5°	288.2	333.9	389.6	473.7	606.6	828.5	1134.9	1506.4	1899.8	2276.0	2612.5
3.75°	297.2	343.6	404.4	500.8	662.0	910.6	1246.7	1643.9	2051.6	2430.1	2767.4
2.5°	303.8	350.6	417.2	525.5	702.3	970.4	1329.4	1746.3	2160.2	2541.2	2882.6
1.25°	307.7	354.8	426.4	540.4	726.8	1006.8	1385.4	1809.1	2226.8	2609.8	2951.4
0°	309.1	356.2	429.5	545.5	735.0	1019.0	1404.2	1830.3	2249.3	2633.0	2974.2
-1.25°	307.7	354.8	426.4	540.4	726.8	1006.8	1385.4	1809.1	2226.8	2609.8	2951.4
-2.5°	303.8	350.6	417.2	525.5	702.3	970.4	1329.4	1746.3	2160.2	2541.2	2882.6
-3.75°	297.2	343.6	404.4	500.8	662.0	910.6	1246.7	1643.9	2051.6	2430.1	2767.4
-5°	288.2	333.9	389.6	473.7	606.6	828.5	1134.9	1506.4	1899.8	2276.0	2612.5
-6.25°	276.6	321.7	370.9	445.0	559.3	739.8	1000.1	1335.5	1709.7	2076.4	2410.3
-7.5°	262.8	306.9	350.8	410.7	504.3	650.4	868.2	1155.3	1490.8	1838.2	2165.3
-8.75°	250.9	289.9	332.6	383.0	456.6	566.9	734.5	966.6	1254.2	1570.6	1881.8
-10°	237.8	270.6	312.3	353.3	409.7	491.7	613.1	788.9	1016.8	1287.7	1570.6
-11.25°	223.2	252.8	289.8	329.5	373.6	435.5	522.6	646.0	812.8	1016.8	1254.2
-12.5°	207.3	236.1	265.3	303.7	341.2	386.8	448.8	533.1	646.0	788.9	966.6
-13.75°	190.8	218.1	245.5	276.2	312.2	347.1	391.2	448.8	522.6	613.1	734.5
-15°	175.8	199.0	225.4	251.2	281.6	315.1	347.1	386.8	435.5	491.7	566.9
-16.25°	161.5	181.4	204.3	229.1	253.1	281.6	312.2	341.2	373.6	409.7	456.6
-17.5°	147.6	165.0	184.2	206.1	229.1	251.2	276.2	303.7	329.5	353.3	383.0
-18.75°	134.4	149.7	166.2	184.2	204.3	225.4	245.5	265.3	289.8	312.3	332.6
-20°	121.9	135.4	149.7	165.0	181.4	199.0	218.1	236.1	252.8	270.6	289.9
-21.25°	110.0	121.9	134.4	147.6	161.5	175.8	190.8	207.3	223.2	237.8	250.9



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	99.4	109.2	120.1	131.8	143.6	155.6	168.0	180.9	193.4	207.1	219.5
-23.75°	89.2	98.2	106.9	117.0	127.3	137.6	148.1	158.6	168.8	179.2	188.9
-25°	78.9	87.5	95.7	103.6	112.3	121.2	130.3	139.1	147.7	155.9	163.9
-26.25°	70.0	76.7	84.5	92.1	99.3	106.3	114.1	121.5	129.0	135.8	142.5
-27.5°	61.2	67.7	73.9	80.4	87.4	93.9	100.1	105.7	112.1	117.9	123.5
-28.75°	52.2	58.5	64.5	70.2	75.6	81.5	87.4	92.9	97.9	102.4	106.6
-30°	42.7	49.0	54.9	60.4	65.7	70.6	75.1	79.9	84.7	89.0	92.9
-31.25°	33.2	39.2	45.0	50.5	55.6	60.3	64.7	68.8	72.5	75.9	79.2
-32.5°	27.4	29.8	34.9	40.2	45.1	49.8	54.2	58.1	61.6	64.8	67.7
-33.75°	23.3	25.6	27.9	30.0	34.5	39.0	43.2	47.1	50.6	53.8	56.6
-35°	19.7	21.4	23.6	25.6	27.5	29.3	32.2	35.9	39.3	42.3	45.1
-36.25°	17.8	18.8	19.7	21.2	23.0	24.8	26.4	27.8	29.2	30.9	33.5
-37.5°	15.8	16.8	17.7	18.6	19.4	20.2	21.7	23.2	24.5	25.6	26.7
-38.75°	14.4	15.0	15.7	16.5	17.3	18.0	18.7	19.3	19.9	20.8	21.8
-40°	13.1	13.7	14.3	14.8	15.3	15.9	16.6	17.2	17.7	18.2	18.6
-41.25°	11.9	12.4	12.9	13.4	13.9	14.3	14.8	15.2	15.5	16.0	16.4
-42.5°	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.0	14.3	14.6
-43.75°	9.8	10.2	10.6	11.0	11.4	11.7	12.0	12.3	12.5	12.8	13.1
-45°	8.8	9.2	9.6	9.9	10.2	10.6	10.8	11.1	11.4	11.6	11.8
-46.25°	7.8	8.2	8.5	8.9	9.2	9.5	9.7	10.0	10.2	10.4	10.6
-47.5°	7.4	7.5	7.6	7.8	8.1	8.4	8.6	8.9	9.1	9.3	9.4
-48.75°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	8.0	8.2	8.3
-50°	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.4	7.5	7.5
-51.25°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.2
-52.5°	6.2	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.7	6.8	6.8
-53.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.4	6.4
-55°	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-56.25°	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.2	6.2	6.2	6.2
-57.5°	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.0	6.0	6.1
-58.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.6	5.6	5.7
-60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-63.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-66.25°	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-67.5°	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.3
-68.75°	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9
-70°	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5
-71.25°	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.2	4.2
-72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-73.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-75°	3.6	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
-76.25°	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4
-77.5°	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2
-80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-81.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
-83.75°	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.7	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: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
81.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
78.75°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
76.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
73.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
71.25°	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2
70°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
68.75°	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
67.5°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
66.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
63.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
58.75°	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
57.5°	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
56.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
53.75°	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5
52.5°	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
51.25°	7.2	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
50°	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.6
48.75°	8.5	8.6	8.7	8.8	8.8	8.8	8.9	8.8	8.8	8.8	8.7
47.5°	9.6	9.7	9.8	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8
46.25°	10.8	10.9	11.0	11.1	11.1	11.2	11.2	11.2	11.1	11.1	11.0
45°	11.9	12.1	12.2	12.3	12.3	12.4	12.4	12.4	12.3	12.3	12.2
43.75°	13.3	13.5	13.7	13.8	13.9	13.9	14.0	13.9	13.9	13.8	13.7
42.5°	14.8	15.0	15.2	15.3	15.4	15.5	15.5	15.5	15.4	15.3	15.2
41.25°	16.8	17.1	17.3	17.5	17.7	17.8	17.8	17.8	17.7	17.5	17.3
40°	19.0	19.4	19.6	19.8	20.0	20.1	20.1	20.1	20.0	19.8	19.6
38.75°	22.7	23.4	24.0	24.5	24.8	25.0	25.1	25.0	24.8	24.5	24.0
37.5°	27.6	28.3	29.0	29.5	29.8	30.0	30.1	30.0	29.8	29.5	29.0
36.25°	35.7	37.7	39.3	40.5	41.4	41.9	42.1	41.9	41.4	40.5	39.3
35°	47.4	49.5	51.1	52.4	53.4	53.9	54.1	53.9	53.4	52.4	51.1

REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	59.0	61.0	62.7	64.0	64.9	65.5	65.7	65.5	64.9	64.0	62.7
32.5°	70.2	72.4	74.1	75.5	76.5	77.1	77.3	77.1	76.5	75.5	74.1
31.25°	82.4	85.2	87.5	89.3	90.5	91.3	91.6	91.3	90.5	89.3	87.5
30°	96.2	99.1	101.5	103.4	104.7	105.5	105.8	105.5	104.7	103.4	101.5
28.75°	110.9	114.6	117.7	120.1	122.0	123.2	123.6	123.2	122.0	120.1	117.7
27.5°	128.6	132.9	136.6	139.7	141.9	143.3	143.7	143.3	141.9	139.7	136.6
26.25°	148.3	153.5	158.2	161.9	164.5	166.1	166.7	166.1	164.5	161.9	158.2
25°	170.9	177.8	183.5	188.0	191.3	193.2	193.9	193.2	191.3	188.0	183.5
23.75°	198.2	207.2	214.6	220.4	224.5	227.1	227.9	227.1	224.5	220.4	214.6
22.5°	230.5	239.9	247.7	253.9	258.3	261.0	261.9	261.0	258.3	253.9	247.7
21.25°	262.8	276.6	288.2	297.2	303.8	307.7	309.1	307.7	303.8	297.2	288.2
20°	306.9	321.7	333.9	343.6	350.6	354.8	356.2	354.8	350.6	343.6	333.9
18.75°	350.8	370.9	389.6	404.4	417.2	426.4	429.5	426.4	417.2	404.4	389.6
17.5°	410.7	445.0	473.7	500.8	525.5	540.4	545.5	540.4	525.5	500.8	473.7
16.25°	504.3	559.3	606.6	662.0	702.3	726.8	735.0	726.8	702.3	662.0	606.6
15°	650.4	739.8	828.5	910.6	970.4	1006.8	1019.0	1006.8	970.4	910.6	828.5
13.75°	868.2	1000.1	1134.9	1246.7	1329.4	1385.4	1404.2	1385.4	1329.4	1246.7	1134.9
12.5°	1155.3	1335.5	1506.4	1643.9	1746.3	1809.1	1830.3	1809.1	1746.3	1643.9	1506.4
11.25°	1490.8	1709.7	1899.8	2051.6	2160.2	2226.8	2249.3	2226.8	2160.2	2051.6	1899.8
10°	1838.2	2076.4	2276.0	2430.1	2541.2	2609.8	2633.0	2609.8	2541.2	2430.1	2276.0
8.75°	2165.3	2410.3	2612.5	2767.4	2882.6	2951.4	2974.2	2951.4	2882.6	2767.4	2612.5
7.5°	2454.7	2701.7	2907.9	3069.9	3191.7	3264.4	3289.3	3264.4	3191.7	3069.9	2907.9
6.25°	2701.7	2953.5	3169.0	3341.3	3467.8	3543.8	3570.1	3543.8	3467.8	3341.3	3169.0
5°	2907.9	3169.0	3394.1	3570.7	3702.2	3785.6	3815.0	3785.6	3702.2	3570.7	3394.1
3.75°	3069.9	3341.3	3570.7	3757.3	3894.4	3981.5	4006.4	3981.5	3894.4	3757.3	3570.7
2.5°	3191.7	3467.8	3702.2	3894.4	4032.8	4117.0	4143.7	4117.0	4032.8	3894.4	3702.2
1.25°	3264.4	3543.8	3785.6	3981.5	4117.0	4203.4	4235.9	4203.4	4117.0	3981.5	3785.6
0°	3289.3	3570.1	3815.0	4006.4	4143.7	4235.9	4281.6	4235.9	4143.7	4006.4	3815.0
-1.25°	3264.4	3543.8	3785.6	3981.5	4117.0	4203.4	4235.9	4203.4	4117.0	3981.5	3785.6
-2.5°	3191.7	3467.8	3702.2	3894.4	4032.8	4117.0	4143.7	4117.0	4032.8	3894.4	3702.2
-3.75°	3069.9	3341.3	3570.7	3757.3	3894.4	3981.5	4006.4	3981.5	3894.4	3757.3	3570.7
-5°	2907.9	3169.0	3394.1	3570.7	3702.2	3785.6	3815.0	3785.6	3702.2	3570.7	3394.1
-6.25°	2701.7	2953.5	3169.0	3341.3	3467.8	3543.8	3570.1	3543.8	3467.8	3341.3	3169.0
-7.5°	2454.7	2701.7	2907.9	3069.9	3191.7	3264.4	3289.3	3264.4	3191.7	3069.9	2907.9
-8.75°	2165.3	2410.3	2612.5	2767.4	2882.6	2951.4	2974.2	2951.4	2882.6	2767.4	2612.5
-10°	1838.2	2076.4	2276.0	2430.1	2541.2	2609.8	2633.0	2609.8	2541.2	2430.1	2276.0
-11.25°	1490.8	1709.7	1899.8	2051.6	2160.2	2226.8	2249.3	2226.8	2160.2	2051.6	1899.8
-12.5°	1155.3	1335.5	1506.4	1643.9	1746.3	1809.1	1830.3	1809.1	1746.3	1643.9	1506.4
-13.75°	868.2	1000.1	1134.9	1246.7	1329.4	1385.4	1404.2	1385.4	1329.4	1246.7	1134.9
-15°	650.4	739.8	828.5	910.6	970.4	1006.8	1019.0	1006.8	970.4	910.6	828.5
-16.25°	504.3	559.3	606.6	662.0	702.3	726.8	735.0	726.8	702.3	662.0	606.6
-17.5°	410.7	445.0	473.7	500.8	525.5	540.4	545.5	540.4	525.5	500.8	473.7
-18.75°	350.8	370.9	389.6	404.4	417.2	426.4	429.5	426.4	417.2	404.4	389.6
-20°	306.9	321.7	333.9	343.6	350.6	354.8	356.2	354.8	350.6	343.6	333.9
-21.25°	262.8	276.6	288.2	297.2	303.8	307.7	309.1	307.7	303.8	297.2	288.2





REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	230.5	239.9	247.7	253.9	258.3	261.0	261.9	261.0	258.3	253.9	247.7
-23.75°	198.2	207.2	214.6	220.4	224.5	227.1	227.9	227.1	224.5	220.4	214.6
-25°	170.9	177.8	183.5	188.0	191.3	193.2	193.9	193.2	191.3	188.0	183.5
-26.25°	148.3	153.5	158.2	161.9	164.5	166.1	166.7	166.1	164.5	161.9	158.2
-27.5°	128.6	132.9	136.6	139.7	141.9	143.3	143.7	143.3	141.9	139.7	136.6
-28.75°	110.9	114.6	117.7	120.1	122.0	123.2	123.6	123.2	122.0	120.1	117.7
-30°	96.2	99.1	101.5	103.4	104.7	105.5	105.8	105.5	104.7	103.4	101.5
-31.25°	82.4	85.2	87.5	89.3	90.5	91.3	91.6	91.3	90.5	89.3	87.5
-32.5°	70.2	72.4	74.1	75.5	76.5	77.1	77.3	77.1	76.5	75.5	74.1
-33.75°	59.0	61.0	62.7	64.0	64.9	65.5	65.7	65.5	64.9	64.0	62.7
-35°	47.4	49.5	51.1	52.4	53.4	53.9	54.1	53.9	53.4	52.4	51.1
-36.25°	35.7	37.7	39.3	40.5	41.4	41.9	42.1	41.9	41.4	40.5	39.3
-37.5°	27.6	28.3	29.0	29.5	29.8	30.0	30.1	30.0	29.8	29.5	29.0
-38.75°	22.7	23.4	24.0	24.5	24.8	25.0	25.1	25.0	24.8	24.5	24.0
-40°	19.0	19.4	19.6	19.8	20.0	20.1	20.1	20.1	20.0	19.8	19.6
-41.25°	16.8	17.1	17.3	17.5	17.7	17.8	17.8	17.8	17.7	17.5	17.3
-42.5°	14.8	15.0	15.2	15.3	15.4	15.5	15.5	15.5	15.4	15.3	15.2
-43.75°	13.3	13.5	13.7	13.8	13.9	13.9	14.0	13.9	13.9	13.8	13.7
-45°	11.9	12.1	12.2	12.3	12.3	12.4	12.4	12.4	12.3	12.3	12.2
-46.25°	10.8	10.9	11.0	11.1	11.1	11.2	11.2	11.2	11.1	11.1	11.0
-47.5°	9.6	9.7	9.8	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8
-48.75°	8.5	8.6	8.7	8.8	8.8	8.8	8.9	8.8	8.8	8.8	8.7
-50°	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.6
-51.25°	7.2	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
-52.5°	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
-53.75°	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5
-55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-56.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-57.5°	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-58.75°	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-63.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-66.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-67.5°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-68.75°	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-70°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
-71.25°	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2
-72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-73.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-76.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-77.5°	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
-80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-81.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-83.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4
81.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
78.75°	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
77.5°	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7
76.25°	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
75°	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
73.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
71.25°	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.0	4.0
70°	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3
68.75°	5.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.6
67.5°	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0
66.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
63.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
58.75°	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.4	5.4
57.5°	6.1	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6
56.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	6.0
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
53.75°	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.2	6.2	6.2
52.5°	6.9	6.9	6.8	6.8	6.7	6.7	6.6	6.5	6.4	6.4	6.3
51.25°	7.3	7.2	7.2	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.6
50°	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.2	7.1	7.0
48.75°	8.6	8.5	8.3	8.2	8.0	7.8	7.7	7.6	7.5	7.4	7.3
47.5°	9.7	9.6	9.4	9.3	9.1	8.9	8.6	8.4	8.1	7.8	7.6
46.25°	10.9	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.2	8.9	8.5
45°	12.1	11.9	11.8	11.6	11.4	11.1	10.8	10.6	10.2	9.9	9.6
43.75°	13.5	13.3	13.1	12.8	12.5	12.3	12.0	11.7	11.4	11.0	10.6
42.5°	15.0	14.8	14.6	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.7
41.25°	17.1	16.8	16.4	16.0	15.5	15.2	14.8	14.3	13.9	13.4	12.9
40°	19.4	19.0	18.6	18.2	17.7	17.2	16.6	15.9	15.3	14.8	14.3
38.75°	23.4	22.7	21.8	20.8	19.9	19.3	18.7	18.0	17.3	16.5	15.7
37.5°	28.3	27.6	26.7	25.6	24.5	23.2	21.7	20.2	19.4	18.6	17.7
36.25°	37.7	35.7	33.5	30.9	29.2	27.8	26.4	24.8	23.0	21.2	19.7
35°	49.5	47.4	45.1	42.3	39.3	35.9	32.2	29.3	27.5	25.6	23.6



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°
33.75°	61.0	59.0	56.6	53.8	50.6	47.1	43.2	39.0	34.5	30.0	27.9
32.5°	72.4	70.2	67.7	64.8	61.6	58.1	54.2	49.8	45.1	40.2	34.9
31.25°	85.2	82.4	79.2	75.9	72.5	68.8	64.7	60.3	55.6	50.5	45.0
30°	99.1	96.2	92.9	89.0	84.7	79.9	75.1	70.6	65.7	60.4	54.9
28.75°	114.6	110.9	106.6	102.4	97.9	92.9	87.4	81.5	75.6	70.2	64.5
27.5°	132.9	128.6	123.5	117.9	112.1	105.7	100.1	93.9	87.4	80.4	73.9
26.25°	153.5	148.3	142.5	135.8	129.0	121.5	114.1	106.3	99.3	92.1	84.5
25°	177.8	170.9	163.9	155.9	147.7	139.1	130.3	121.2	112.3	103.6	95.7
23.75°	207.2	198.2	188.9	179.2	168.8	158.6	148.1	137.6	127.3	117.0	106.9
22.5°	239.9	230.5	219.5	207.1	193.4	180.9	168.0	155.6	143.6	131.8	120.1
21.25°	276.6	262.8	250.9	237.8	223.2	207.3	190.8	175.8	161.5	147.6	134.4
20°	321.7	306.9	289.9	270.6	252.8	236.1	218.1	199.0	181.4	165.0	149.7
18.75°	370.9	350.8	332.6	312.3	289.8	265.3	245.5	225.4	204.3	184.2	166.2
17.5°	445.0	410.7	383.0	353.3	329.5	303.7	276.2	251.2	229.1	206.1	184.2
16.25°	559.3	504.3	456.6	409.7	373.6	341.2	312.2	281.6	253.1	229.1	204.3
15°	739.8	650.4	566.9	491.7	435.5	386.8	347.1	315.1	281.6	251.2	225.4
13.75°	1000.1	868.2	734.5	613.1	522.6	448.8	391.2	347.1	312.2	276.2	245.5
12.5°	1335.5	1155.3	966.6	788.9	646.0	533.1	448.8	386.8	341.2	303.7	265.3
11.25°	1709.7	1490.8	1254.2	1016.8	812.8	646.0	522.6	435.5	373.6	329.5	289.8
10°	2076.4	1838.2	1570.6	1287.7	1016.8	788.9	613.1	491.7	409.7	353.3	312.3
8.75°	2410.3	2165.3	1881.8	1570.6	1254.2	966.6	734.5	566.9	456.6	383.0	332.6
7.5°	2701.7	2454.7	2165.3	1838.2	1490.8	1155.3	868.2	650.4	504.3	410.7	350.8
6.25°	2953.5	2701.7	2410.3	2076.4	1709.7	1335.5	1000.1	739.8	559.3	445.0	370.9
5°	3169.0	2907.9	2612.5	2276.0	1899.8	1506.4	1134.9	828.5	606.6	473.7	389.6
3.75°	3341.3	3069.9	2767.4	2430.1	2051.6	1643.9	1246.7	910.6	662.0	500.8	404.4
2.5°	3467.8	3191.7	2882.6	2541.2	2160.2	1746.3	1329.4	970.4	702.3	525.5	417.2
1.25°	3543.8	3264.4	2951.4	2609.8	2226.8	1809.1	1385.4	1006.8	726.8	540.4	426.4
0°	3570.1	3289.3	2974.2	2633.0	2249.3	1830.3	1404.2	1019.0	735.0	545.5	429.5
-1.25°	3543.8	3264.4	2951.4	2609.8	2226.8	1809.1	1385.4	1006.8	726.8	540.4	426.4
-2.5°	3467.8	3191.7	2882.6	2541.2	2160.2	1746.3	1329.4	970.4	702.3	525.5	417.2
-3.75°	3341.3	3069.9	2767.4	2430.1	2051.6	1643.9	1246.7	910.6	662.0	500.8	404.4
-5°	3169.0	2907.9	2612.5	2276.0	1899.8	1506.4	1134.9	828.5	606.6	473.7	389.6
-6.25°	2953.5	2701.7	2410.3	2076.4	1709.7	1335.5	1000.1	739.8	559.3	445.0	370.9
-7.5°	2701.7	2454.7	2165.3	1838.2	1490.8	1155.3	868.2	650.4	504.3	410.7	350.8
-8.75°	2410.3	2165.3	1881.8	1570.6	1254.2	966.6	734.5	566.9	456.6	383.0	332.6
-10°	2076.4	1838.2	1570.6	1287.7	1016.8	788.9	613.1	491.7	409.7	353.3	312.3
-11.25°	1709.7	1490.8	1254.2	1016.8	812.8	646.0	522.6	435.5	373.6	329.5	289.8
-12.5°	1335.5	1155.3	966.6	788.9	646.0	533.1	448.8	386.8	341.2	303.7	265.3
-13.75°	1000.1	868.2	734.5	613.1	522.6	448.8	391.2	347.1	312.2	276.2	245.5
-15°	739.8	650.4	566.9	491.7	435.5	386.8	347.1	315.1	281.6	251.2	225.4
-16.25°	559.3	504.3	456.6	409.7	373.6	341.2	312.2	281.6	253.1	229.1	204.3
-17.5°	445.0	410.7	383.0	353.3	329.5	303.7	276.2	251.2	229.1	206.1	184.2
-18.75°	370.9	350.8	332.6	312.3	289.8	265.3	245.5	225.4	204.3	184.2	166.2
-20°	321.7	306.9	289.9	270.6	252.8	236.1	218.1	199.0	181.4	165.0	149.7
-21.25°	276.6	262.8	250.9	237.8	223.2	207.3	190.8	175.8	161.5	147.6	134.4



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°
-22.5°	239.9	230.5	219.5	207.1	193.4	180.9	168.0	155.6	143.6	131.8	120.1
-23.75°	207.2	198.2	188.9	179.2	168.8	158.6	148.1	137.6	127.3	117.0	106.9
-25°	177.8	170.9	163.9	155.9	147.7	139.1	130.3	121.2	112.3	103.6	95.7
-26.25°	153.5	148.3	142.5	135.8	129.0	121.5	114.1	106.3	99.3	92.1	84.5
-27.5°	132.9	128.6	123.5	117.9	112.1	105.7	100.1	93.9	87.4	80.4	73.9
-28.75°	114.6	110.9	106.6	102.4	97.9	92.9	87.4	81.5	75.6	70.2	64.5
-30°	99.1	96.2	92.9	89.0	84.7	79.9	75.1	70.6	65.7	60.4	54.9
-31.25°	85.2	82.4	79.2	75.9	72.5	68.8	64.7	60.3	55.6	50.5	45.0
-32.5°	72.4	70.2	67.7	64.8	61.6	58.1	54.2	49.8	45.1	40.2	34.9
-33.75°	61.0	59.0	56.6	53.8	50.6	47.1	43.2	39.0	34.5	30.0	27.9
-35°	49.5	47.4	45.1	42.3	39.3	35.9	32.2	29.3	27.5	25.6	23.6
-36.25°	37.7	35.7	33.5	30.9	29.2	27.8	26.4	24.8	23.0	21.2	19.7
-37.5°	28.3	27.6	26.7	25.6	24.5	23.2	21.7	20.2	19.4	18.6	17.7
-38.75°	23.4	22.7	21.8	20.8	19.9	19.3	18.7	18.0	17.3	16.5	15.7
-40°	19.4	19.0	18.6	18.2	17.7	17.2	16.6	15.9	15.3	14.8	14.3
-41.25°	17.1	16.8	16.4	16.0	15.5	15.2	14.8	14.3	13.9	13.4	12.9
-42.5°	15.0	14.8	14.6	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.7
-43.75°	13.5	13.3	13.1	12.8	12.5	12.3	12.0	11.7	11.4	11.0	10.6
-45°	12.1	11.9	11.8	11.6	11.4	11.1	10.8	10.6	10.2	9.9	9.6
-46.25°	10.9	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.2	8.9	8.5
-47.5°	9.7	9.6	9.4	9.3	9.1	8.9	8.6	8.4	8.1	7.8	7.6
-48.75°	8.6	8.5	8.3	8.2	8.0	7.8	7.7	7.6	7.5	7.4	7.3
-50°	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.2	7.1	7.0
-51.25°	7.3	7.2	7.2	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.6
-52.5°	6.9	6.9	6.8	6.8	6.7	6.7	6.6	6.5	6.4	6.4	6.3
-53.75°	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.2	6.2	6.2
-55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-56.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	6.0
-57.5°	6.1	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6
-58.75°	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.4	5.4
-60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-63.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-66.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-67.5°	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0
-68.75°	5.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.6
-70°	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3
-71.25°	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.0	4.0
-72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-73.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-75°	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
-76.25°	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
-77.5°	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
-80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-81.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-82.5°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4
-83.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
82.5°	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
81.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
78.75°	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.0	1.9	1.8
76.25°	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5
75°	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1
73.75°	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.6	3.6	3.5	3.5
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8
71.25°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
70°	4.2	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.9	3.9	3.9
68.75°	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.1	4.1	4.0
67.5°	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.3
66.25°	5.3	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.6
65°	5.4	5.4	5.4	5.4	5.4	5.3	5.2	5.2	5.1	5.0	4.9
63.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.2
62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
58.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
57.5°	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
56.25°	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.4	5.4	5.4	5.4
55°	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.4
53.75°	6.2	6.2	6.2	6.2	6.2	6.0	5.9	5.8	5.7	5.5	5.4
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	5.8	5.7
51.25°	6.5	6.4	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0
50°	6.9	6.8	6.7	6.5	6.4	6.3	6.2	6.2	6.2	6.2	6.2
48.75°	7.2	7.1	7.0	6.9	6.7	6.6	6.5	6.3	6.2	6.2	6.2
47.5°	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.6	6.5	6.3	6.2
46.25°	8.2	7.8	7.6	7.5	7.4	7.2	7.1	6.9	6.8	6.6	6.4
45°	9.2	8.8	8.4	8.0	7.7	7.5	7.4	7.2	7.1	6.9	6.7
43.75°	10.2	9.8	9.4	9.0	8.5	8.1	7.7	7.5	7.3	7.2	7.0
42.5°	11.3	10.9	10.4	9.9	9.5	9.0	8.5	7.9	7.6	7.4	7.3
41.25°	12.4	11.9	11.4	10.9	10.4	9.9	9.4	8.8	8.3	7.7	7.5
40°	13.7	13.1	12.5	11.9	11.4	10.9	10.3	9.7	9.1	8.5	7.9
38.75°	15.0	14.4	13.8	13.1	12.4	11.8	11.2	10.6	10.0	9.4	8.7
37.5°	16.8	15.8	15.0	14.3	13.6	12.8	12.1	11.5	10.9	10.2	9.5
36.25°	18.8	17.8	16.7	15.6	14.8	14.0	13.2	12.4	11.7	11.0	10.3
35°	21.4	19.7	18.6	17.5	16.3	15.2	14.4	13.5	12.6	11.9	11.2



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	25.6	23.3	20.9	19.3	18.1	16.8	15.5	14.6	13.7	12.8	11.9
32.5°	29.8	27.4	24.8	22.2	19.8	18.5	17.2	15.8	14.8	13.8	12.8
31.25°	39.2	33.2	28.8	26.1	23.3	20.4	18.8	17.4	16.0	14.8	13.8
30°	49.0	42.7	36.2	29.8	26.9	23.9	20.9	19.0	17.5	16.0	14.8
28.75°	58.5	52.2	45.4	38.4	31.2	27.5	24.3	21.0	19.0	17.4	15.8
27.5°	67.7	61.2	54.4	47.2	39.7	32.1	27.6	24.3	20.9	18.8	17.2
26.25°	76.7	70.0	63.0	55.7	48.1	40.2	32.1	27.5	23.9	20.4	18.5
25°	87.5	78.9	71.3	63.9	56.2	48.1	39.7	31.2	26.9	23.3	19.8
23.75°	98.2	89.2	80.0	71.8	63.9	55.7	47.2	38.4	29.8	26.1	22.2
22.5°	109.2	99.4	89.8	80.0	71.3	63.0	54.4	45.4	36.2	28.8	24.8
21.25°	121.9	110.0	99.4	89.2	78.9	70.0	61.2	52.2	42.7	33.2	27.4
20°	135.4	121.9	109.2	98.2	87.5	76.7	67.7	58.5	49.0	39.2	29.8
18.75°	149.7	134.4	120.1	106.9	95.7	84.5	73.9	64.5	54.9	45.0	34.9
17.5°	165.0	147.6	131.8	117.0	103.6	92.1	80.4	70.2	60.4	50.5	40.2
16.25°	181.4	161.5	143.6	127.3	112.3	99.3	87.4	75.6	65.7	55.6	45.1
15°	199.0	175.8	155.6	137.6	121.2	106.3	93.9	81.5	70.6	60.3	49.8
13.75°	218.1	190.8	168.0	148.1	130.3	114.1	100.1	87.4	75.1	64.7	54.2
12.5°	236.1	207.3	180.9	158.6	139.1	121.5	105.7	92.9	79.9	68.8	58.1
11.25°	252.8	223.2	193.4	168.8	147.7	129.0	112.1	97.9	84.7	72.5	61.6
10°	270.6	237.8	207.1	179.2	155.9	135.8	117.9	102.4	89.0	75.9	64.8
8.75°	289.9	250.9	219.5	188.9	163.9	142.5	123.5	106.6	92.9	79.2	67.7
7.5°	306.9	262.8	230.5	198.2	170.9	148.3	128.6	110.9	96.2	82.4	70.2
6.25°	321.7	276.6	239.9	207.2	177.8	153.5	132.9	114.6	99.1	85.2	72.4
5°	333.9	288.2	247.7	214.6	183.5	158.2	136.6	117.7	101.5	87.5	74.1
3.75°	343.6	297.2	253.9	220.4	188.0	161.9	139.7	120.1	103.4	89.3	75.5
2.5°	350.6	303.8	258.3	224.5	191.3	164.5	141.9	122.0	104.7	90.5	76.5
1.25°	354.8	307.7	261.0	227.1	193.2	166.1	143.3	123.2	105.5	91.3	77.1
0°	356.2	309.1	261.9	227.9	193.9	166.7	143.7	123.6	105.8	91.6	77.3
-1.25°	354.8	307.7	261.0	227.1	193.2	166.1	143.3	123.2	105.5	91.3	77.1
-2.5°	350.6	303.8	258.3	224.5	191.3	164.5	141.9	122.0	104.7	90.5	76.5
-3.75°	343.6	297.2	253.9	220.4	188.0	161.9	139.7	120.1	103.4	89.3	75.5
-5°	333.9	288.2	247.7	214.6	183.5	158.2	136.6	117.7	101.5	87.5	74.1
-6.25°	321.7	276.6	239.9	207.2	177.8	153.5	132.9	114.6	99.1	85.2	72.4
-7.5°	306.9	262.8	230.5	198.2	170.9	148.3	128.6	110.9	96.2	82.4	70.2
-8.75°	289.9	250.9	219.5	188.9	163.9	142.5	123.5	106.6	92.9	79.2	67.7
-10°	270.6	237.8	207.1	179.2	155.9	135.8	117.9	102.4	89.0	75.9	64.8
-11.25°	252.8	223.2	193.4	168.8	147.7	129.0	112.1	97.9	84.7	72.5	61.6
-12.5°	236.1	207.3	180.9	158.6	139.1	121.5	105.7	92.9	79.9	68.8	58.1
-13.75°	218.1	190.8	168.0	148.1	130.3	114.1	100.1	87.4	75.1	64.7	54.2
-15°	199.0	175.8	155.6	137.6	121.2	106.3	93.9	81.5	70.6	60.3	49.8
-16.25°	181.4	161.5	143.6	127.3	112.3	99.3	87.4	75.6	65.7	55.6	45.1
-17.5°	165.0	147.6	131.8	117.0	103.6	92.1	80.4	70.2	60.4	50.5	40.2
-18.75°	149.7	134.4	120.1	106.9	95.7	84.5	73.9	64.5	54.9	45.0	34.9
-20°	135.4	121.9	109.2	98.2	87.5	76.7	67.7	58.5	49.0	39.2	29.8
-21.25°	121.9	110.0	99.4	89.2	78.9	70.0	61.2	52.2	42.7	33.2	27.4





REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	109.2	99.4	89.8	80.0	71.3	63.0	54.4	45.4	36.2	28.8	24.8
-23.75°	98.2	89.2	80.0	71.8	63.9	55.7	47.2	38.4	29.8	26.1	22.2
-25°	87.5	78.9	71.3	63.9	56.2	48.1	39.7	31.2	26.9	23.3	19.8
-26.25°	76.7	70.0	63.0	55.7	48.1	40.2	32.1	27.5	23.9	20.4	18.5
-27.5°	67.7	61.2	54.4	47.2	39.7	32.1	27.6	24.3	20.9	18.8	17.2
-28.75°	58.5	52.2	45.4	38.4	31.2	27.5	24.3	21.0	19.0	17.4	15.8
-30°	49.0	42.7	36.2	29.8	26.9	23.9	20.9	19.0	17.5	16.0	14.8
-31.25°	39.2	33.2	28.8	26.1	23.3	20.4	18.8	17.4	16.0	14.8	13.8
-32.5°	29.8	27.4	24.8	22.2	19.8	18.5	17.2	15.8	14.8	13.8	12.8
-33.75°	25.6	23.3	20.9	19.3	18.1	16.8	15.5	14.6	13.7	12.8	11.9
-35°	21.4	19.7	18.6	17.5	16.3	15.2	14.4	13.5	12.6	11.9	11.2
-36.25°	18.8	17.8	16.7	15.6	14.8	14.0	13.2	12.4	11.7	11.0	10.3
-37.5°	16.8	15.8	15.0	14.3	13.6	12.8	12.1	11.5	10.9	10.2	9.5
-38.75°	15.0	14.4	13.8	13.1	12.4	11.8	11.2	10.6	10.0	9.4	8.7
-40°	13.7	13.1	12.5	11.9	11.4	10.9	10.3	9.7	9.1	8.5	7.9
-41.25°	12.4	11.9	11.4	10.9	10.4	9.9	9.4	8.8	8.3	7.7	7.5
-42.5°	11.3	10.9	10.4	9.9	9.5	9.0	8.5	7.9	7.6	7.4	7.3
-43.75°	10.2	9.8	9.4	9.0	8.5	8.1	7.7	7.5	7.3	7.2	7.0
-45°	9.2	8.8	8.4	8.0	7.7	7.5	7.4	7.2	7.1	6.9	6.7
-46.25°	8.2	7.8	7.6	7.5	7.4	7.2	7.1	6.9	6.8	6.6	6.4
-47.5°	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.6	6.5	6.3	6.2
-48.75°	7.2	7.1	7.0	6.9	6.7	6.6	6.5	6.3	6.2	6.2	6.2
-50°	6.9	6.8	6.7	6.5	6.4	6.3	6.2	6.2	6.2	6.2	6.2
-51.25°	6.5	6.4	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0
-52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	5.8	5.7
-53.75°	6.2	6.2	6.2	6.2	6.2	6.0	5.9	5.8	5.7	5.5	5.4
-55°	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.4
-56.25°	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.4	5.4	5.4	5.4
-57.5°	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-58.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-61.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-63.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.2
-65°	5.4	5.4	5.4	5.4	5.4	5.3	5.2	5.2	5.1	5.0	4.9
-66.25°	5.3	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.6
-67.5°	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.3
-68.75°	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.1	4.1	4.0
-70°	4.2	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.9	3.9	3.9
-71.25°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8
-73.75°	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.6	3.6	3.5	3.5
-75°	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1
-76.25°	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5
-77.5°	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.0	1.9	1.8



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.5	1.5	1.5	1.5
-80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-81.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-82.5°	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
-83.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
83.75°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9
81.25°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3
78.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.7	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
76.25°	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.5
75°	3.1	2.9	2.8	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7
73.75°	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.7	2.6	2.4	2.2
72.5°	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.8
71.25°	3.9	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2
70°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.6	3.5
68.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.7
67.5°	4.2	4.1	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
66.25°	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.9	3.9	3.9	3.9
65°	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.9
63.75°	5.1	5.0	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.1	4.0
62.5°	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.5	4.3	4.2
61.25°	5.4	5.4	5.4	5.4	5.3	5.1	5.0	4.8	4.7	4.6	4.4
60°	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.1	5.0	4.8	4.7
58.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.2	5.1	4.9
57.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.2
56.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
55°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
53.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
52.5°	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
51.25°	5.8	5.7	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
50°	6.1	6.0	5.8	5.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
48.75°	6.2	6.2	6.1	5.9	5.7	5.5	5.4	5.4	5.4	5.4	5.4
47.5°	6.2	6.2	6.2	6.2	6.0	5.8	5.6	5.4	5.4	5.4	5.4
46.25°	6.2	6.2	6.2	6.2	6.2	6.0	5.8	5.6	5.4	5.4	5.4
45°	6.5	6.3	6.2	6.2	6.2	6.2	6.1	5.9	5.6	5.4	5.4
43.75°	6.8	6.6	6.4	6.2	6.2	6.2	6.2	6.1	5.9	5.6	5.4
42.5°	7.1	6.9	6.7	6.5	6.2	6.2	6.2	6.2	6.1	5.9	5.6
41.25°	7.3	7.1	6.9	6.7	6.5	6.3	6.2	6.2	6.2	6.1	5.8
40°	7.6	7.4	7.2	7.0	6.7	6.5	6.3	6.2	6.2	6.2	6.0
38.75°	8.1	7.6	7.4	7.2	7.0	6.7	6.5	6.2	6.2	6.2	6.2
37.5°	8.9	8.2	7.6	7.4	7.2	7.0	6.7	6.5	6.2	6.2	6.2
36.25°	9.6	8.9	8.2	7.6	7.4	7.2	6.9	6.7	6.4	6.2	6.2
35°	10.4	9.7	8.9	8.2	7.6	7.4	7.1	6.9	6.6	6.3	6.2



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	11.2	10.4	9.6	8.9	8.1	7.6	7.3	7.1	6.8	6.5	6.2
32.5°	11.9	11.2	10.3	9.5	8.7	7.9	7.5	7.3	7.0	6.7	6.4
31.25°	12.8	11.9	11.0	10.2	9.4	8.5	7.7	7.4	7.2	6.9	6.6
30°	13.7	12.6	11.7	10.9	10.0	9.1	8.3	7.6	7.3	7.1	6.8
28.75°	14.6	13.5	12.4	11.5	10.6	9.7	8.8	7.9	7.5	7.2	6.9
27.5°	15.5	14.4	13.2	12.1	11.2	10.3	9.4	8.5	7.7	7.4	7.1
26.25°	16.8	15.2	14.0	12.8	11.8	10.9	9.9	9.0	8.1	7.5	7.2
25°	18.1	16.3	14.8	13.6	12.4	11.4	10.4	9.5	8.5	7.7	7.4
23.75°	19.3	17.5	15.6	14.3	13.1	11.9	10.9	9.9	9.0	8.0	7.5
22.5°	20.9	18.6	16.7	15.0	13.8	12.5	11.4	10.4	9.4	8.4	7.6
21.25°	23.3	19.7	17.8	15.8	14.4	13.1	11.9	10.9	9.8	8.8	7.8
20°	25.6	21.4	18.8	16.8	15.0	13.7	12.4	11.3	10.2	9.2	8.2
18.75°	27.9	23.6	19.7	17.7	15.7	14.3	12.9	11.7	10.6	9.6	8.5
17.5°	30.0	25.6	21.2	18.6	16.5	14.8	13.4	12.1	11.0	9.9	8.9
16.25°	34.5	27.5	23.0	19.4	17.3	15.3	13.9	12.5	11.4	10.2	9.2
15°	39.0	29.3	24.8	20.2	18.0	15.9	14.3	12.9	11.7	10.6	9.5
13.75°	43.2	32.2	26.4	21.7	18.7	16.6	14.8	13.3	12.0	10.8	9.7
12.5°	47.1	35.9	27.8	23.2	19.3	17.2	15.2	13.7	12.3	11.1	10.0
11.25°	50.6	39.3	29.2	24.5	19.9	17.7	15.5	14.0	12.5	11.4	10.2
10°	53.8	42.3	30.9	25.6	20.8	18.2	16.0	14.3	12.8	11.6	10.4
8.75°	56.6	45.1	33.5	26.7	21.8	18.6	16.4	14.6	13.1	11.8	10.6
7.5°	59.0	47.4	35.7	27.6	22.7	19.0	16.8	14.8	13.3	11.9	10.8
6.25°	61.0	49.5	37.7	28.3	23.4	19.4	17.1	15.0	13.5	12.1	10.9
5°	62.7	51.1	39.3	29.0	24.0	19.6	17.3	15.2	13.7	12.2	11.0
3.75°	64.0	52.4	40.5	29.5	24.5	19.8	17.5	15.3	13.8	12.3	11.1
2.5°	64.9	53.4	41.4	29.8	24.8	20.0	17.7	15.4	13.9	12.3	11.1
1.25°	65.5	53.9	41.9	30.0	25.0	20.1	17.8	15.5	13.9	12.4	11.2
0°	65.7	54.1	42.1	30.1	25.1	20.1	17.8	15.5	14.0	12.4	11.2
-1.25°	65.5	53.9	41.9	30.0	25.0	20.1	17.8	15.5	13.9	12.4	11.2
-2.5°	64.9	53.4	41.4	29.8	24.8	20.0	17.7	15.4	13.9	12.3	11.1
-3.75°	64.0	52.4	40.5	29.5	24.5	19.8	17.5	15.3	13.8	12.3	11.1
-5°	62.7	51.1	39.3	29.0	24.0	19.6	17.3	15.2	13.7	12.2	11.0
-6.25°	61.0	49.5	37.7	28.3	23.4	19.4	17.1	15.0	13.5	12.1	10.9
-7.5°	59.0	47.4	35.7	27.6	22.7	19.0	16.8	14.8	13.3	11.9	10.8
-8.75°	56.6	45.1	33.5	26.7	21.8	18.6	16.4	14.6	13.1	11.8	10.6
-10°	53.8	42.3	30.9	25.6	20.8	18.2	16.0	14.3	12.8	11.6	10.4
-11.25°	50.6	39.3	29.2	24.5	19.9	17.7	15.5	14.0	12.5	11.4	10.2
-12.5°	47.1	35.9	27.8	23.2	19.3	17.2	15.2	13.7	12.3	11.1	10.0
-13.75°	43.2	32.2	26.4	21.7	18.7	16.6	14.8	13.3	12.0	10.8	9.7
-15°	39.0	29.3	24.8	20.2	18.0	15.9	14.3	12.9	11.7	10.6	9.5
-16.25°	34.5	27.5	23.0	19.4	17.3	15.3	13.9	12.5	11.4	10.2	9.2
-17.5°	30.0	25.6	21.2	18.6	16.5	14.8	13.4	12.1	11.0	9.9	8.9
-18.75°	27.9	23.6	19.7	17.7	15.7	14.3	12.9	11.7	10.6	9.6	8.5
-20°	25.6	21.4	18.8	16.8	15.0	13.7	12.4	11.3	10.2	9.2	8.2
-21.25°	23.3	19.7	17.8	15.8	14.4	13.1	11.9	10.9	9.8	8.8	7.8



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	20.9	18.6	16.7	15.0	13.8	12.5	11.4	10.4	9.4	8.4	7.6
-23.75°	19.3	17.5	15.6	14.3	13.1	11.9	10.9	9.9	9.0	8.0	7.5
-25°	18.1	16.3	14.8	13.6	12.4	11.4	10.4	9.5	8.5	7.7	7.4
-26.25°	16.8	15.2	14.0	12.8	11.8	10.9	9.9	9.0	8.1	7.5	7.2
-27.5°	15.5	14.4	13.2	12.1	11.2	10.3	9.4	8.5	7.7	7.4	7.1
-28.75°	14.6	13.5	12.4	11.5	10.6	9.7	8.8	7.9	7.5	7.2	6.9
-30°	13.7	12.6	11.7	10.9	10.0	9.1	8.3	7.6	7.3	7.1	6.8
-31.25°	12.8	11.9	11.0	10.2	9.4	8.5	7.7	7.4	7.2	6.9	6.6
-32.5°	11.9	11.2	10.3	9.5	8.7	7.9	7.5	7.3	7.0	6.7	6.4
-33.75°	11.2	10.4	9.6	8.9	8.1	7.6	7.3	7.1	6.8	6.5	6.2
-35°	10.4	9.7	8.9	8.2	7.6	7.4	7.1	6.9	6.6	6.3	6.2
-36.25°	9.6	8.9	8.2	7.6	7.4	7.2	6.9	6.7	6.4	6.2	6.2
-37.5°	8.9	8.2	7.6	7.4	7.2	7.0	6.7	6.5	6.2	6.2	6.2
-38.75°	8.1	7.6	7.4	7.2	7.0	6.7	6.5	6.2	6.2	6.2	6.2
-40°	7.6	7.4	7.2	7.0	6.7	6.5	6.3	6.2	6.2	6.2	6.0
-41.25°	7.3	7.1	6.9	6.7	6.5	6.3	6.2	6.2	6.2	6.1	5.8
-42.5°	7.1	6.9	6.7	6.5	6.2	6.2	6.2	6.2	6.1	5.9	5.6
-43.75°	6.8	6.6	6.4	6.2	6.2	6.2	6.2	6.1	5.9	5.6	5.4
-45°	6.5	6.3	6.2	6.2	6.2	6.2	6.1	5.9	5.6	5.4	5.4
-46.25°	6.2	6.2	6.2	6.2	6.2	6.0	5.8	5.6	5.4	5.4	5.4
-47.5°	6.2	6.2	6.2	6.2	6.0	5.8	5.6	5.4	5.4	5.4	5.4
-48.75°	6.2	6.2	6.1	5.9	5.7	5.5	5.4	5.4	5.4	5.4	5.4
-50°	6.1	6.0	5.8	5.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-51.25°	5.8	5.7	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-52.5°	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-53.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-55°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-56.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-57.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.2
-58.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.2	5.1	4.9
-60°	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.1	5.0	4.8	4.7
-61.25°	5.4	5.4	5.4	5.4	5.3	5.1	5.0	4.8	4.7	4.6	4.4
-62.5°	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.5	4.3	4.2
-63.75°	5.1	5.0	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.1	4.0
-65°	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.9
-66.25°	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.9	3.9	3.9	3.9
-67.5°	4.2	4.1	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-68.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.7
-70°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.6	3.5
-71.25°	3.9	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2
-72.5°	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.8
-73.75°	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.7	2.6	2.4	2.2
-75°	3.1	2.9	2.8	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7
-76.25°	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.5
-77.5°	1.7	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3
-81.25°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1
-82.5°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9
-83.75°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	6.2	6.2	6.1	5.8	5.5	5.4	5.4	5.4	5.4	5.4	5.4
32.5°	6.2	6.2	6.2	6.0	5.7	5.4	5.4	5.4	5.4	5.4	5.4
31.25°	6.3	6.2	6.2	6.2	5.8	5.5	5.4	5.4	5.4	5.4	5.4
30°	6.5	6.2	6.2	6.2	6.0	5.7	5.4	5.4	5.4	5.4	5.4
28.75°	6.6	6.3	6.2	6.2	6.1	5.8	5.5	5.4	5.4	5.4	5.4
27.5°	6.8	6.5	6.2	6.2	6.2	5.9	5.6	5.4	5.4	5.4	5.4
26.25°	6.9	6.6	6.3	6.2	6.2	6.0	5.7	5.4	5.4	5.4	5.4
25°	7.1	6.7	6.4	6.2	6.2	6.2	5.8	5.5	5.4	5.4	5.4
23.75°	7.2	6.9	6.5	6.2	6.2	6.2	5.9	5.6	5.4	5.4	5.4
22.5°	7.3	7.0	6.7	6.3	6.2	6.2	6.0	5.7	5.4	5.4	5.4
21.25°	7.4	7.1	6.8	6.4	6.2	6.2	6.1	5.8	5.4	5.4	5.4
20°	7.5	7.2	6.9	6.5	6.2	6.2	6.2	5.9	5.5	5.4	5.4
18.75°	7.6	7.3	7.0	6.6	6.3	6.2	6.2	6.0	5.6	5.4	5.4
17.5°	7.8	7.4	7.1	6.7	6.4	6.2	6.2	6.0	5.7	5.4	5.4
16.25°	8.1	7.5	7.2	6.8	6.4	6.2	6.2	6.1	5.7	5.4	5.4
15°	8.4	7.6	7.2	6.9	6.5	6.2	6.2	6.2	5.8	5.4	5.4
13.75°	8.6	7.7	7.3	7.0	6.6	6.2	6.2	6.2	5.9	5.5	5.4
12.5°	8.9	7.8	7.4	7.0	6.7	6.3	6.2	6.2	5.9	5.5	5.4
11.25°	9.1	8.0	7.4	7.1	6.7	6.3	6.2	6.2	6.0	5.6	5.4
10°	9.3	8.2	7.5	7.2	6.8	6.4	6.2	6.2	6.0	5.6	5.4
8.75°	9.4	8.3	7.5	7.2	6.8	6.4	6.2	6.2	6.1	5.7	5.4
7.5°	9.6	8.5	7.6	7.2	6.9	6.5	6.2	6.2	6.1	5.7	5.4
6.25°	9.7	8.6	7.6	7.3	6.9	6.5	6.2	6.2	6.1	5.7	5.4
5°	9.8	8.7	7.6	7.3	6.9	6.5	6.2	6.2	6.2	5.8	5.4
3.75°	9.9	8.8	7.7	7.3	7.0	6.6	6.2	6.2	6.2	5.8	5.4
2.5°	10.0	8.8	7.7	7.3	7.0	6.6	6.2	6.2	6.2	5.8	5.4
1.25°	10.0	8.8	7.7	7.3	7.0	6.6	6.2	6.2	6.2	5.8	5.4
0°	10.0	8.9	7.7	7.4	7.0	6.6	6.2	6.2	6.2	5.8	5.4
-1.25°	10.0	8.8	7.7	7.3	7.0	6.6	6.2	6.2	6.2	5.8	5.4
-2.5°	10.0	8.8	7.7	7.3	7.0	6.6	6.2	6.2	6.2	5.8	5.4
-3.75°	9.9	8.8	7.7	7.3	7.0	6.6	6.2	6.2	6.2	5.8	5.4
-5°	9.8	8.7	7.6	7.3	6.9	6.5	6.2	6.2	6.2	5.8	5.4
-6.25°	9.7	8.6	7.6	7.3	6.9	6.5	6.2	6.2	6.1	5.7	5.4
-7.5°	9.6	8.5	7.6	7.2	6.9	6.5	6.2	6.2	6.1	5.7	5.4
-8.75°	9.4	8.3	7.5	7.2	6.8	6.4	6.2	6.2	6.1	5.7	5.4
-10°	9.3	8.2	7.5	7.2	6.8	6.4	6.2	6.2	6.0	5.6	5.4
-11.25°	9.1	8.0	7.4	7.1	6.7	6.3	6.2	6.2	6.0	5.6	5.4
-12.5°	8.9	7.8	7.4	7.0	6.7	6.3	6.2	6.2	5.9	5.5	5.4
-13.75°	8.6	7.7	7.3	7.0	6.6	6.2	6.2	6.2	5.9	5.5	5.4
-15°	8.4	7.6	7.2	6.9	6.5	6.2	6.2	6.2	5.8	5.4	5.4
-16.25°	8.1	7.5	7.2	6.8	6.4	6.2	6.2	6.1	5.7	5.4	5.4
-17.5°	7.8	7.4	7.1	6.7	6.4	6.2	6.2	6.0	5.7	5.4	5.4
-18.75°	7.6	7.3	7.0	6.6	6.3	6.2	6.2	6.0	5.6	5.4	5.4
-20°	7.5	7.2	6.9	6.5	6.2	6.2	6.2	5.9	5.5	5.4	5.4
-21.25°	7.4	7.1	6.8	6.4	6.2	6.2	6.1	5.8	5.4	5.4	5.4





REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	5.4	5.4	5.1	4.8	4.5	4.2	3.9	3.9	3.9	3.7	3.4
32.5°	5.4	5.4	5.2	4.9	4.6	4.3	4.0	3.9	3.9	3.8	3.5
31.25°	5.4	5.4	5.3	5.0	4.6	4.3	4.1	3.9	3.9	3.9	3.5
30°	5.4	5.4	5.4	5.1	4.7	4.4	4.1	3.9	3.9	3.9	3.6
28.75°	5.4	5.4	5.4	5.2	4.8	4.5	4.2	3.9	3.9	3.9	3.6
27.5°	5.4	5.4	5.4	5.2	4.9	4.6	4.3	3.9	3.9	3.9	3.7
26.25°	5.4	5.4	5.4	5.3	5.0	4.6	4.3	4.0	3.9	3.9	3.8
25°	5.4	5.4	5.4	5.4	5.1	4.7	4.4	4.1	3.9	3.9	3.8
23.75°	5.4	5.4	5.4	5.4	5.1	4.8	4.4	4.1	3.9	3.9	3.8
22.5°	5.4	5.4	5.4	5.4	5.2	4.8	4.5	4.2	3.9	3.9	3.9
21.25°	5.4	5.4	5.4	5.4	5.3	4.9	4.5	4.2	3.9	3.9	3.9
20°	5.4	5.4	5.4	5.4	5.3	4.9	4.6	4.2	3.9	3.9	3.9
18.75°	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.3	4.0	3.9	3.9
17.5°	5.4	5.4	5.4	5.4	5.4	5.0	4.7	4.3	4.0	3.9	3.9
16.25°	5.4	5.4	5.4	5.4	5.4	5.1	4.7	4.4	4.0	3.9	3.9
15°	5.4	5.4	5.4	5.4	5.4	5.1	4.8	4.4	4.1	3.9	3.9
13.75°	5.4	5.4	5.4	5.4	5.4	5.2	4.8	4.4	4.1	3.9	3.9
12.5°	5.4	5.4	5.4	5.4	5.4	5.2	4.8	4.5	4.1	3.9	3.9
11.25°	5.4	5.4	5.4	5.4	5.4	5.3	4.9	4.5	4.1	3.9	3.9
10°	5.4	5.4	5.4	5.4	5.4	5.3	4.9	4.5	4.2	3.9	3.9
8.75°	5.4	5.4	5.4	5.4	5.4	5.3	4.9	4.5	4.2	3.9	3.9
7.5°	5.4	5.4	5.4	5.4	5.4	5.3	4.9	4.6	4.2	3.9	3.9
6.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
5°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
3.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
2.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
1.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
0°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.3	3.9	3.9
-1.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
-2.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
-3.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
-5°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
-6.25°	5.4	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.2	3.9	3.9
-7.5°	5.4	5.4	5.4	5.4	5.4	5.3	4.9	4.6	4.2	3.9	3.9
-8.75°	5.4	5.4	5.4	5.4	5.4	5.3	4.9	4.5	4.2	3.9	3.9
-10°	5.4	5.4	5.4	5.4	5.4	5.3	4.9	4.5	4.2	3.9	3.9
-11.25°	5.4	5.4	5.4	5.4	5.4	5.3	4.9	4.5	4.1	3.9	3.9
-12.5°	5.4	5.4	5.4	5.4	5.4	5.2	4.8	4.5	4.1	3.9	3.9
-13.75°	5.4	5.4	5.4	5.4	5.4	5.2	4.8	4.4	4.1	3.9	3.9
-15°	5.4	5.4	5.4	5.4	5.4	5.1	4.8	4.4	4.1	3.9	3.9
-16.25°	5.4	5.4	5.4	5.4	5.4	5.1	4.7	4.4	4.0	3.9	3.9
-17.5°	5.4	5.4	5.4	5.4	5.4	5.0	4.7	4.3	4.0	3.9	3.9
-18.75°	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.3	4.0	3.9	3.9
-20°	5.4	5.4	5.4	5.4	5.3	4.9	4.6	4.2	3.9	3.9	3.9
-21.25°	5.4	5.4	5.4	5.4	5.3	4.9	4.5	4.2	3.9	3.9	3.9



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	5.4	5.4	5.4	5.4	5.2	4.8	4.5	4.2	3.9	3.9	3.9
-23.75°	5.4	5.4	5.4	5.4	5.1	4.8	4.4	4.1	3.9	3.9	3.8
-25°	5.4	5.4	5.4	5.4	5.1	4.7	4.4	4.1	3.9	3.9	3.8
-26.25°	5.4	5.4	5.4	5.3	5.0	4.6	4.3	4.0	3.9	3.9	3.8
-27.5°	5.4	5.4	5.4	5.2	4.9	4.6	4.3	3.9	3.9	3.9	3.7
-28.75°	5.4	5.4	5.4	5.2	4.8	4.5	4.2	3.9	3.9	3.9	3.6
-30°	5.4	5.4	5.4	5.1	4.7	4.4	4.1	3.9	3.9	3.9	3.6
-31.25°	5.4	5.4	5.3	5.0	4.6	4.3	4.1	3.9	3.9	3.9	3.5
-32.5°	5.4	5.4	5.2	4.9	4.6	4.3	4.0	3.9	3.9	3.8	3.5
-33.75°	5.4	5.4	5.1	4.8	4.5	4.2	3.9	3.9	3.9	3.7	3.4
-35°	5.4	5.3	5.0	4.7	4.4	4.1	3.9	3.9	3.9	3.7	3.3
-36.25°	5.4	5.2	4.9	4.6	4.3	4.0	3.9	3.9	3.9	3.6	3.3
-37.5°	5.4	5.1	4.8	4.5	4.2	3.9	3.9	3.9	3.8	3.5	3.2
-38.75°	5.3	5.0	4.7	4.4	4.1	3.9	3.9	3.9	3.7	3.4	3.1
-40°	5.1	4.8	4.5	4.3	4.0	3.9	3.9	3.9	3.7	3.4	3.0
-41.25°	5.0	4.7	4.4	4.2	3.9	3.9	3.9	3.9	3.6	3.3	2.9
-42.5°	4.8	4.6	4.3	4.1	3.9	3.9	3.9	3.8	3.5	3.2	2.7
-43.75°	4.7	4.5	4.2	4.0	3.9	3.9	3.9	3.7	3.4	3.1	2.6
-45°	4.6	4.3	4.1	3.9	3.9	3.9	3.9	3.6	3.3	3.0	2.4
-46.25°	4.4	4.2	4.0	3.9	3.9	3.9	3.7	3.5	3.2	2.8	2.2
-47.5°	4.3	4.1	3.9	3.9	3.9	3.9	3.6	3.4	3.1	2.6	2.1
-48.75°	4.2	4.0	3.9	3.9	3.9	3.8	3.5	3.3	2.9	2.4	1.9
-50°	4.0	3.9	3.9	3.9	3.9	3.7	3.4	3.2	2.7	2.2	1.7
-51.25°	3.9	3.9	3.9	3.9	3.8	3.5	3.3	3.0	2.5	2.0	1.6
-52.5°	3.9	3.9	3.9	3.9	3.6	3.4	3.2	2.8	2.3	1.9	1.5
-53.75°	3.9	3.9	3.9	3.7	3.5	3.3	3.0	2.6	2.1	1.7	1.5
-55°	3.9	3.9	3.8	3.6	3.4	3.2	2.8	2.3	1.9	1.5	1.5
-56.25°	3.9	3.9	3.7	3.4	3.2	3.0	2.5	2.1	1.7	1.5	1.5
-57.5°	3.9	3.7	3.5	3.3	3.1	2.7	2.3	1.9	1.5	1.5	1.5
-58.75°	3.7	3.5	3.3	3.2	2.8	2.4	2.0	1.6	1.5	1.5	1.5
-60°	3.6	3.4	3.2	2.9	2.5	2.2	1.8	1.5	1.5	1.5	1.5
-61.25°	3.4	3.2	3.0	2.6	2.2	1.9	1.5	1.5	1.5	1.5	1.5
-62.5°	3.2	3.0	2.6	2.3	2.0	1.6	1.5	1.5	1.5	1.5	1.5
-63.75°	3.0	2.6	2.3	2.0	1.7	1.5	1.5	1.5	1.5	1.5	1.4
-65°	2.6	2.3	2.0	1.7	1.5	1.5	1.5	1.5	1.5	1.4	1.3
-66.25°	2.2	2.0	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.2
-67.5°	1.9	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.1
-68.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.2	1.0
-70°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.2	1.1	0.9
-71.25°	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.8
-72.5°	1.5	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8
-73.75°	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.8
-75°	1.4	1.3	1.2	1.2	1.1	1.0	0.9	0.8	0.8	0.8	0.8
-76.25°	1.2	1.2	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8
-77.5°	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-81.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
-83.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
-87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°
33.75°	3.1	2.4	1.7	1.5	1.5	1.4	1.1	0.9	0.8	0.8	0.7
32.5°	3.1	2.5	1.8	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.7
31.25°	3.2	2.6	1.9	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.7
30°	3.2	2.7	2.0	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.7
28.75°	3.3	2.8	2.1	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.7
27.5°	3.3	2.9	2.2	1.5	1.5	1.5	1.3	1.0	0.8	0.8	0.7
26.25°	3.4	3.0	2.3	1.5	1.5	1.5	1.3	1.0	0.8	0.8	0.7
25°	3.4	3.1	2.3	1.6	1.5	1.5	1.3	1.0	0.8	0.8	0.7
23.75°	3.5	3.1	2.4	1.7	1.5	1.5	1.3	1.0	0.8	0.8	0.7
22.5°	3.5	3.2	2.5	1.7	1.5	1.5	1.3	1.0	0.8	0.8	0.7
21.25°	3.6	3.2	2.5	1.8	1.5	1.5	1.4	1.0	0.8	0.8	0.7
20°	3.6	3.2	2.6	1.9	1.5	1.5	1.4	1.0	0.8	0.8	0.8
18.75°	3.6	3.3	2.7	1.9	1.5	1.5	1.4	1.1	0.8	0.8	0.8
17.5°	3.7	3.3	2.7	2.0	1.5	1.5	1.4	1.1	0.8	0.8	0.8
16.25°	3.7	3.3	2.8	2.0	1.5	1.5	1.4	1.1	0.8	0.8	0.8
15°	3.7	3.3	2.8	2.1	1.5	1.5	1.4	1.1	0.8	0.8	0.8
13.75°	3.8	3.4	2.9	2.1	1.5	1.5	1.4	1.1	0.8	0.8	0.8
12.5°	3.8	3.4	2.9	2.1	1.5	1.5	1.4	1.1	0.8	0.8	0.8
11.25°	3.8	3.4	2.9	2.2	1.5	1.5	1.5	1.1	0.8	0.8	0.8
10°	3.8	3.4	3.0	2.2	1.5	1.5	1.5	1.1	0.8	0.8	0.8
8.75°	3.8	3.4	3.0	2.2	1.5	1.5	1.5	1.1	0.8	0.8	0.8
7.5°	3.9	3.5	3.0	2.2	1.5	1.5	1.5	1.1	0.8	0.8	0.8
6.25°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
5°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
3.75°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
2.5°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
1.25°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
0°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-1.25°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-2.5°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-3.75°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-5°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-6.25°	3.9	3.5	3.1	2.3	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-7.5°	3.9	3.5	3.0	2.2	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-8.75°	3.8	3.4	3.0	2.2	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-10°	3.8	3.4	3.0	2.2	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-11.25°	3.8	3.4	2.9	2.2	1.5	1.5	1.5	1.1	0.8	0.8	0.8
-12.5°	3.8	3.4	2.9	2.1	1.5	1.5	1.4	1.1	0.8	0.8	0.8
-13.75°	3.8	3.4	2.9	2.1	1.5	1.5	1.4	1.1	0.8	0.8	0.8
-15°	3.7	3.3	2.8	2.1	1.5	1.5	1.4	1.1	0.8	0.8	0.8
-16.25°	3.7	3.3	2.8	2.0	1.5	1.5	1.4	1.1	0.8	0.8	0.8
-17.5°	3.7	3.3	2.7	2.0	1.5	1.5	1.4	1.1	0.8	0.8	0.8
-18.75°	3.6	3.3	2.7	1.9	1.5	1.5	1.4	1.1	0.8	0.8	0.8
-20°	3.6	3.2	2.6	1.9	1.5	1.5	1.4	1.0	0.8	0.8	0.8
-21.25°	3.6	3.2	2.5	1.8	1.5	1.5	1.4	1.0	0.8	0.8	0.7





REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°
-22.5°	3.5	3.2	2.5	1.7	1.5	1.5	1.3	1.0	0.8	0.8	0.7
-23.75°	3.5	3.1	2.4	1.7	1.5	1.5	1.3	1.0	0.8	0.8	0.7
-25°	3.4	3.1	2.3	1.6	1.5	1.5	1.3	1.0	0.8	0.8	0.7
-26.25°	3.4	3.0	2.3	1.5	1.5	1.5	1.3	1.0	0.8	0.8	0.7
-27.5°	3.3	2.9	2.2	1.5	1.5	1.5	1.3	1.0	0.8	0.8	0.7
-28.75°	3.3	2.8	2.1	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.7
-30°	3.2	2.7	2.0	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.7
-31.25°	3.2	2.6	1.9	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.7
-32.5°	3.1	2.5	1.8	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.7
-33.75°	3.1	2.4	1.7	1.5	1.5	1.4	1.1	0.9	0.8	0.8	0.7
-35°	2.9	2.3	1.6	1.5	1.5	1.4	1.1	0.8	0.8	0.8	0.7
-36.25°	2.8	2.2	1.5	1.5	1.5	1.4	1.1	0.8	0.8	0.8	0.6
-37.5°	2.7	2.1	1.5	1.5	1.5	1.3	1.1	0.8	0.8	0.8	0.6
-38.75°	2.6	1.9	1.5	1.5	1.5	1.3	1.0	0.8	0.8	0.8	0.6
-40°	2.4	1.8	1.5	1.5	1.5	1.3	1.0	0.8	0.8	0.8	0.6
-41.25°	2.3	1.7	1.5	1.5	1.5	1.2	1.0	0.8	0.8	0.8	0.6
-42.5°	2.1	1.6	1.5	1.5	1.5	1.2	0.9	0.8	0.8	0.8	0.6
-43.75°	2.0	1.5	1.5	1.5	1.4	1.2	0.9	0.8	0.8	0.8	0.6
-45°	1.8	1.5	1.5	1.5	1.4	1.1	0.9	0.8	0.8	0.8	0.6
-46.25°	1.7	1.5	1.5	1.5	1.3	1.1	0.9	0.8	0.8	0.8	0.6
-47.5°	1.5	1.5	1.5	1.5	1.3	1.1	0.8	0.8	0.8	0.8	0.5
-48.75°	1.5	1.5	1.5	1.5	1.2	1.0	0.8	0.8	0.8	0.8	0.5
-50°	1.5	1.5	1.5	1.4	1.2	1.0	0.8	0.8	0.8	0.8	0.5
-51.25°	1.5	1.5	1.5	1.4	1.1	0.9	0.8	0.8	0.8	0.8	0.5
-52.5°	1.5	1.5	1.5	1.3	1.1	0.9	0.8	0.8	0.8	0.7	0.5
-53.75°	1.5	1.5	1.5	1.3	1.1	0.8	0.8	0.8	0.8	0.7	0.5
-55°	1.5	1.5	1.4	1.2	1.0	0.8	0.8	0.8	0.8	0.7	0.5
-56.25°	1.5	1.5	1.3	1.1	1.0	0.8	0.8	0.8	0.8	0.7	0.4
-57.5°	1.5	1.5	1.3	1.1	0.9	0.8	0.8	0.8	0.8	0.6	0.4
-58.75°	1.5	1.4	1.2	1.0	0.8	0.8	0.8	0.8	0.8	0.6	0.4
-60°	1.5	1.3	1.1	1.0	0.8	0.8	0.8	0.8	0.8	0.6	0.4
-61.25°	1.4	1.2	1.1	0.9	0.8	0.8	0.8	0.8	0.8	0.6	0.4
-62.5°	1.3	1.2	1.0	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4
-63.75°	1.2	1.1	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.4
-65°	1.2	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.3
-66.25°	1.1	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.3
-67.5°	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.3
-68.75°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3
-70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.3
-71.25°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.4	0.3
-72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.2
-73.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2
-75°	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-76.25°	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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



REPORT NUMBER: P220382 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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)