

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: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM  
FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

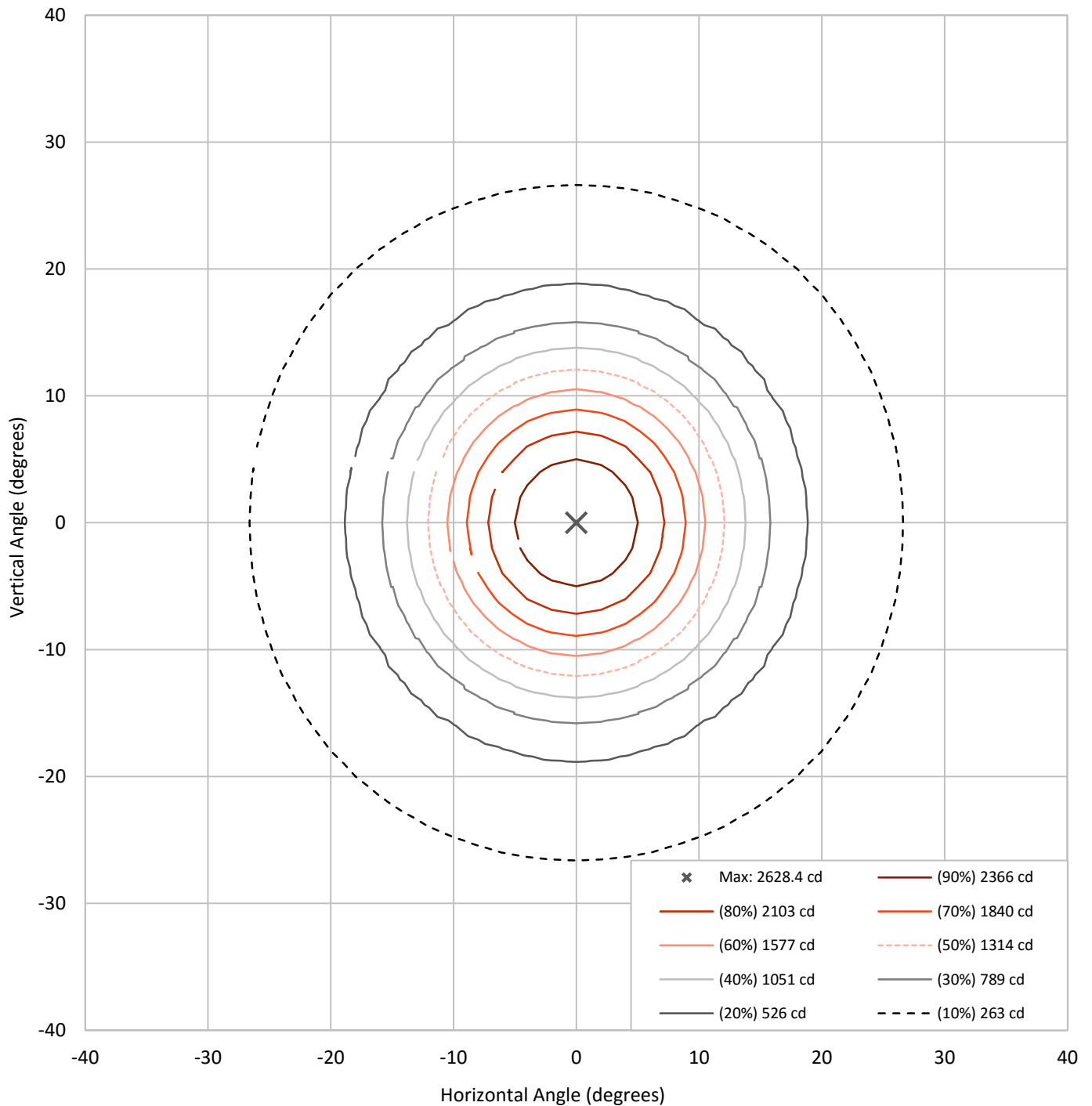
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	620.7 lumens	Max Intensity:	2628.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	63.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	24.2°H x 24.2°V	Field Angle (10%):	53.3°H x 53.3°V
Beam Lumens:	271.3 lumens	Field Lumens:	554.5 lumens
Beam Efficiency:	43.7%	Field Efficiency:	89.3%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

### Iso-Candela Plot





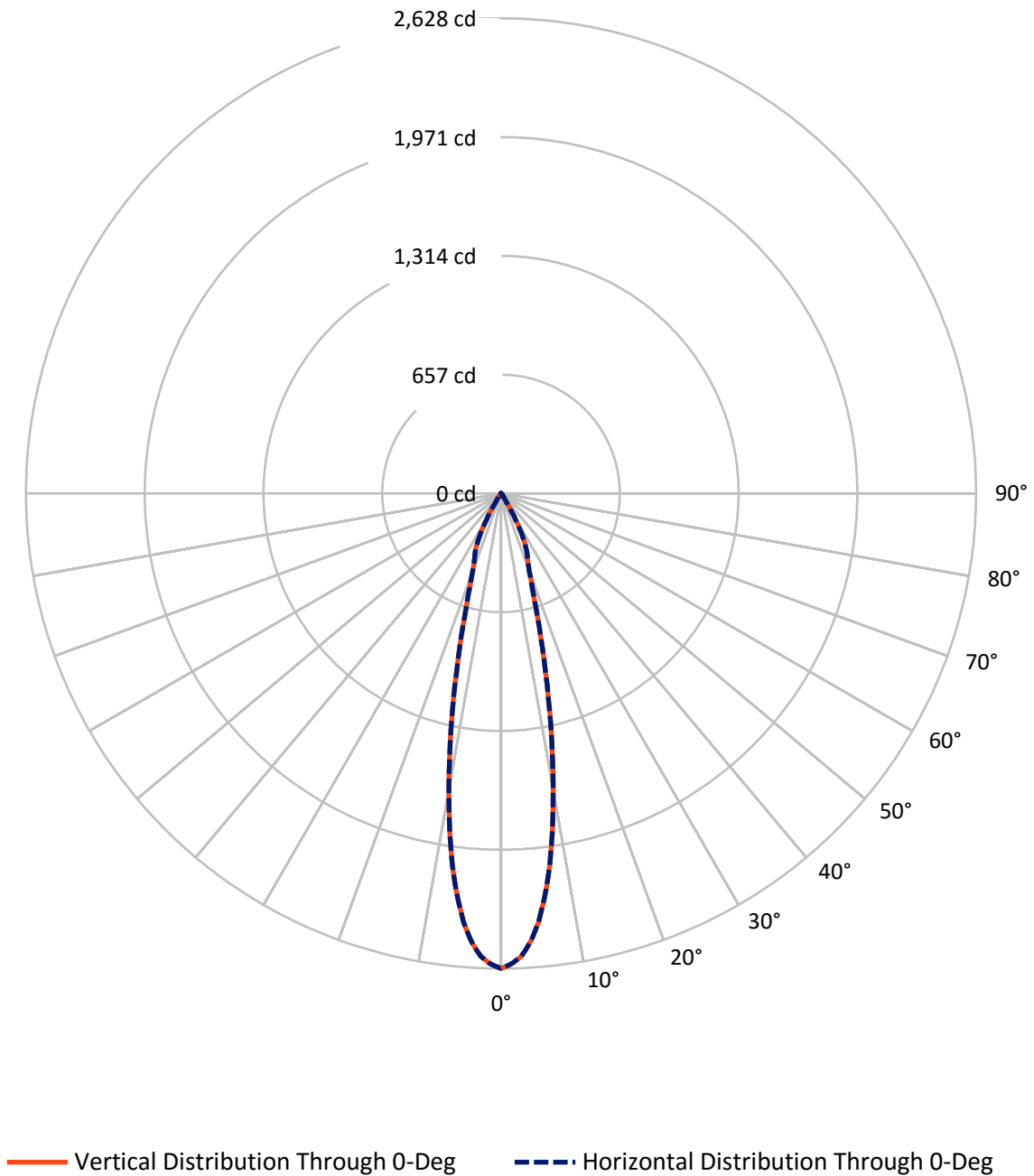
REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

### Lumen Table

90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
80	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0					
50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0			
40		0.0	0.0	0.1	0.1	0.2	0.5	1.0	1.0	0.5	0.2	0.1	0.1	0.0					
30	0.0	0.0	0.0	0.1	0.2	1.1	5.1	8.7	8.7	5.1	1.1	0.2	0.1	0.0	0.0	0.0			
20		0.0	0.0	0.1	0.5	4.8	13.1	24.9	24.9	13.1	4.8	0.5	0.1	0.0					
10	0.0	0.0	0.0	0.1	0.9	7.9	24.3	60.2	60.2	24.3	7.9	0.9	0.1	0.0	0.0	0.0			
0		0.0	0.0	0.1	0.9	7.9	24.3	60.2	60.2	24.3	7.9	0.9	0.1	0.0					
-10	0.0	0.0	0.0	0.1	0.9	7.9	24.3	60.2	60.2	24.3	7.9	0.9	0.1	0.0	0.0	0.0			
-20		0.0	0.0	0.1	0.5	4.8	13.1	24.9	24.9	13.1	4.8	0.5	0.1	0.0					
-30	0.0	0.0	0.0	0.1	0.2	1.1	5.1	8.7	8.7	5.1	1.1	0.2	0.1	0.0	0.0	0.0			
-40		0.0	0.0	0.1	0.1	0.2	0.5	1.0	1.0	0.5	0.2	0.1	0.1	0.0					
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0			
-60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0					
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

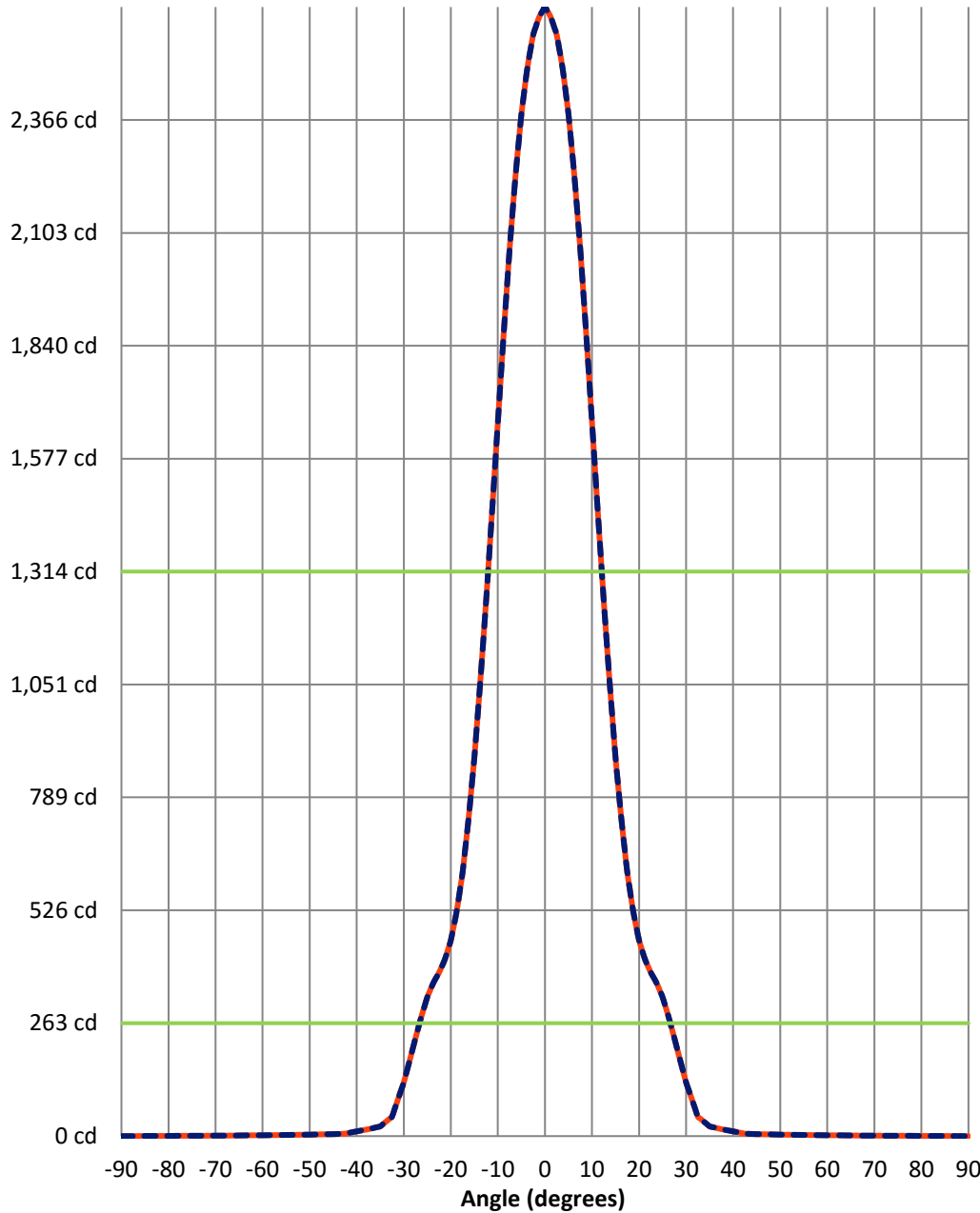
REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.2°  
 V Angle: 24.2°  
 Lumens: 271.3  
 Efficiency: 43.7%

**Field:**  
 H Angle: 53.3°  
 V Angle: 53.3°  
 Lumens: 554.5  
 Efficiency: 89.3%

**Spill:**  
 Lumens: 66.3  
 Efficiency: 10.7%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
56.25°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
53.75°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
51.25°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
48.75°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
46.25°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
43.75°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
41.25°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
38.75°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	0
36.25°	0	0	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
31.25°	0	0	0	0	0	0	0	0	0	0	1
30°	0	0	0	0	0	0	0	0	0	0	1
28.75°	0	0	0	0	0	0	0	0	0	0	1
27.5°	0	0	0	0	0	0	0	0	0	0	1
26.25°	0	0	0	0	0	0	0	0	0	0	1
25°	0	0	0	0	0	0	0	0	0	0	1
23.75°	0	0	0	0	0	0	0	0	0	0	1
22.5°	0	0	0	0	0	0	0	0	0	0	1
21.25°	0	0	0	0	0	0	0	0	0	0	1
20°	0	0	0	0	0	0	0	0	0	0	1
18.75°	0	0	0	0	0	0	0	0	0	1	1
17.5°	0	0	0	0	0	0	0	0	0	1	1
16.25°	0	0	0	0	0	0	0	0	0	1	1
15°	0	0	0	0	0	0	0	0	0	1	1
13.75°	0	0	0	0	0	0	0	0	0	1	1
12.5°	0	0	0	0	0	0	0	0	0	1	1
11.25°	0	0	0	0	0	0	0	0	0	1	1
10°	0	0	0	0	0	0	0	0	0	1	1
8.75°	0	0	0	0	0	0	0	0	0	1	1
7.5°	0	0	0	0	0	0	0	0	0	1	1
6.25°	0	0	0	0	0	0	0	0	0	1	1
5°	0	0	0	0	0	0	0	0	0	1	1
3.75°	0	0	0	0	0	0	0	0	0	1	1
2.5°	0	0	0	0	0	0	0	0	0	1	1
1.25°	0	0	0	0	0	0	0	0	0	1	1
0°	0	0	0	0	0	0	0	0	0	1	1
-1.25°	0	0	0	0	0	0	0	0	0	1	1
-2.5°	0	0	0	0	0	0	0	0	0	1	1
-3.75°	0	0	0	0	0	0	0	0	0	1	1
-5°	0	0	0	0	0	0	0	0	0	1	1
-6.25°	0	0	0	0	0	0	0	0	0	1	1
-7.5°	0	0	0	0	0	0	0	0	0	1	1
-8.75°	0	0	0	0	0	0	0	0	0	1	1
-10°	0	0	0	0	0	0	0	0	0	1	1
-11.25°	0	0	0	0	0	0	0	0	0	1	1
-12.5°	0	0	0	0	0	0	0	0	0	1	1
-13.75°	0	0	0	0	0	0	0	0	0	1	1
-15°	0	0	0	0	0	0	0	0	0	1	1
-16.25°	0	0	0	0	0	0	0	0	0	1	1
-17.5°	0	0	0	0	0	0	0	0	0	1	1
-18.75°	0	0	0	0	0	0	0	0	0	1	1
-20°	0	0	0	0	0	0	0	0	0	0	1
-21.25°	0	0	0	0	0	0	0	0	0	0	1





REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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	0	0	0	0	0	0	0	1
-23.75°	0	0	0	0	0	0	0	0	0	0	1
-25°	0	0	0	0	0	0	0	0	0	0	1
-26.25°	0	0	0	0	0	0	0	0	0	0	1
-27.5°	0	0	0	0	0	0	0	0	0	0	1
-28.75°	0	0	0	0	0	0	0	0	0	0	1
-30°	0	0	0	0	0	0	0	0	0	0	1
-31.25°	0	0	0	0	0	0	0	0	0	0	1
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-33.75°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-36.25°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-38.75°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-41.25°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-43.75°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-46.25°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-48.75°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	1
63.75°	0	0	0	0	0	0	0	0	0	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
61.25°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	0	1	1	1	1
58.75°	0	0	0	0	0	0	1	1	1	1	1
57.5°	0	0	0	0	0	0	1	1	1	1	1
56.25°	0	0	0	0	0	1	1	1	1	1	1
55°	0	0	0	0	0	1	1	1	1	1	1
53.75°	0	0	0	0	1	1	1	1	1	1	1
52.5°	0	0	0	0	1	1	1	1	1	1	1
51.25°	0	0	0	1	1	1	1	1	1	1	1
50°	0	0	0	1	1	1	1	1	1	1	1
48.75°	0	0	1	1	1	1	1	1	1	1	1
47.5°	0	0	1	1	1	1	1	1	1	1	1
46.25°	0	0	1	1	1	1	1	1	1	1	1
45°	0	0	1	1	1	1	1	1	1	1	1
43.75°	0	1	1	1	1	1	1	1	1	1	1
42.5°	0	1	1	1	1	1	1	1	1	1	1
41.25°	0	1	1	1	1	1	1	1	1	1	1
40°	0	1	1	1	1	1	1	1	1	1	1
38.75°	1	1	1	1	1	1	1	1	1	1	1
37.5°	1	1	1	1	1	1	1	1	1	1	1
36.25°	1	1	1	1	1	1	1	1	1	1	1
35°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	1	1	1	1	1	1	1	1	1	1	1
32.5°	1	1	1	1	1	1	1	1	1	1	1
31.25°	1	1	1	1	1	1	1	1	1	1	1
30°	1	1	1	1	1	1	1	1	1	1	1
28.75°	1	1	1	1	1	1	1	1	1	1	1
27.5°	1	1	1	1	1	1	1	1	1	1	1
26.25°	1	1	1	1	1	1	1	1	1	1	1
25°	1	1	1	1	1	1	1	1	1	1	1
23.75°	1	1	1	1	1	1	1	1	1	1	1
22.5°	1	1	1	1	1	1	1	1	1	1	1
21.25°	1	1	1	1	1	1	1	1	1	1	1
20°	1	1	1	1	1	1	1	1	1	1	1
18.75°	1	1	1	1	1	1	1	1	1	1	1
17.5°	1	1	1	1	1	1	1	1	1	1	1
16.25°	1	1	1	1	1	1	1	1	1	1	2
15°	1	1	1	1	1	1	1	1	1	1	2
13.75°	1	1	1	1	1	1	1	1	1	1	2
12.5°	1	1	1	1	1	1	1	1	1	1	2
11.25°	1	1	1	1	1	1	1	1	1	1	2
10°	1	1	1	1	1	1	1	1	1	1	2
8.75°	1	1	1	1	1	1	1	1	1	1	2
7.5°	1	1	1	1	1	1	1	1	1	1	2
6.25°	1	1	1	1	1	1	1	1	1	1	2
5°	1	1	1	1	1	1	1	1	1	1	2
3.75°	1	1	1	1	1	1	1	1	1	1	2
2.5°	1	1	1	1	1	1	1	1	1	1	2
1.25°	1	1	1	1	1	1	1	1	1	1	2
0°	1	1	1	1	1	1	1	1	1	2	2
-1.25°	1	1	1	1	1	1	1	1	1	1	2
-2.5°	1	1	1	1	1	1	1	1	1	1	2
-3.75°	1	1	1	1	1	1	1	1	1	1	2
-5°	1	1	1	1	1	1	1	1	1	1	2
-6.25°	1	1	1	1	1	1	1	1	1	1	2
-7.5°	1	1	1	1	1	1	1	1	1	1	2
-8.75°	1	1	1	1	1	1	1	1	1	1	2
-10°	1	1	1	1	1	1	1	1	1	1	2
-11.25°	1	1	1	1	1	1	1	1	1	1	2
-12.5°	1	1	1	1	1	1	1	1	1	1	2
-13.75°	1	1	1	1	1	1	1	1	1	1	2
-15°	1	1	1	1	1	1	1	1	1	1	2
-16.25°	1	1	1	1	1	1	1	1	1	1	2
-17.5°	1	1	1	1	1	1	1	1	1	1	1
-18.75°	1	1	1	1	1	1	1	1	1	1	1
-20°	1	1	1	1	1	1	1	1	1	1	1
-21.25°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	1	1	1	1	1	1	1	1	1	1	1
-23.75°	1	1	1	1	1	1	1	1	1	1	1
-25°	1	1	1	1	1	1	1	1	1	1	1
-26.25°	1	1	1	1	1	1	1	1	1	1	1
-27.5°	1	1	1	1	1	1	1	1	1	1	1
-28.75°	1	1	1	1	1	1	1	1	1	1	1
-30°	1	1	1	1	1	1	1	1	1	1	1
-31.25°	1	1	1	1	1	1	1	1	1	1	1
-32.5°	1	1	1	1	1	1	1	1	1	1	1
-33.75°	1	1	1	1	1	1	1	1	1	1	1
-35°	1	1	1	1	1	1	1	1	1	1	1
-36.25°	1	1	1	1	1	1	1	1	1	1	1
-37.5°	1	1	1	1	1	1	1	1	1	1	1
-38.75°	1	1	1	1	1	1	1	1	1	1	1
-40°	0	1	1	1	1	1	1	1	1	1	1
-41.25°	0	1	1	1	1	1	1	1	1	1	1
-42.5°	0	1	1	1	1	1	1	1	1	1	1
-43.75°	0	1	1	1	1	1	1	1	1	1	1
-45°	0	0	1	1	1	1	1	1	1	1	1
-46.25°	0	0	1	1	1	1	1	1	1	1	1
-47.5°	0	0	1	1	1	1	1	1	1	1	1
-48.75°	0	0	1	1	1	1	1	1	1	1	1
-50°	0	0	0	1	1	1	1	1	1	1	1
-51.25°	0	0	0	1	1	1	1	1	1	1	1
-52.5°	0	0	0	0	1	1	1	1	1	1	1
-53.75°	0	0	0	0	1	1	1	1	1	1	1
-55°	0	0	0	0	0	1	1	1	1	1	1
-56.25°	0	0	0	0	0	1	1	1	1	1	1
-57.5°	0	0	0	0	0	0	1	1	1	1	1
-58.75°	0	0	0	0	0	0	1	1	1	1	1
-60°	0	0	0	0	0	0	0	1	1	1	1
-61.25°	0	0	0	0	0	0	0	0	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-63.75°	0	0	0	0	0	0	0	0	0	1	1
-65°	0	0	0	0	0	0	0	0	0	0	1
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	1	1
71.25°	0	0	0	0	0	0	0	1	1	1	1
70°	0	0	0	0	0	1	1	1	1	1	1
68.75°	0	0	0	1	1	1	1	1	1	1	1
67.5°	0	0	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
56.25°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
53.75°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
51.25°	1	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
48.75°	1	1	1	1	1	1	1	1	1	1	2
47.5°	1	1	1	1	1	1	1	1	1	2	2
46.25°	1	1	1	1	1	1	1	1	1	2	2
45°	1	1	1	1	1	1	1	1	2	2	2
43.75°	1	1	1	1	1	1	1	2	2	2	2
42.5°	1	1	1	1	1	1	2	2	2	2	2
41.25°	1	1	1	1	1	1	2	2	2	2	2
40°	1	1	1	1	1	2	2	2	2	2	2
38.75°	1	1	1	1	1	2	2	2	2	2	2
37.5°	1	1	1	1	2	2	2	2	2	2	2
36.25°	1	1	1	1	2	2	2	2	2	2	2
35°	1	1	1	2	2	2	2	2	2	2	2



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	1	1	1	2	2	2	2	2	2	2	2
32.5°	1	1	1	2	2	2	2	2	2	2	2
31.25°	1	1	2	2	2	2	2	2	2	2	2
30°	1	1	2	2	2	2	2	2	2	2	3
28.75°	1	1	2	2	2	2	2	2	2	2	3
27.5°	1	2	2	2	2	2	2	2	2	2	3
26.25°	1	2	2	2	2	2	2	2	2	3	3
25°	1	2	2	2	2	2	2	2	2	3	3
23.75°	2	2	2	2	2	2	2	2	3	3	3
22.5°	2	2	2	2	2	2	2	2	3	3	3
21.25°	2	2	2	2	2	2	2	2	3	3	3
20°	2	2	2	2	2	2	2	3	3	3	3
18.75°	2	2	2	2	2	2	2	3	3	3	3
17.5°	2	2	2	2	2	2	2	3	3	3	3
16.25°	2	2	2	2	2	2	2	3	3	3	3
15°	2	2	2	2	2	2	2	3	3	3	3
13.75°	2	2	2	2	2	2	3	3	3	3	3
12.5°	2	2	2	2	2	2	3	3	3	3	3
11.25°	2	2	2	2	2	2	3	3	3	3	3
10°	2	2	2	2	2	2	3	3	3	3	3
8.75°	2	2	2	2	2	2	3	3	3	3	3
7.5°	2	2	2	2	2	2	3	3	3	3	3
6.25°	2	2	2	2	2	2	3	3	3	3	3
5°	2	2	2	2	2	2	3	3	3	3	3
3.75°	2	2	2	2	2	2	3	3	3	3	3
2.5°	2	2	2	2	2	2	3	3	3	3	3
1.25°	2	2	2	2	2	2	3	3	3	3	3
0°	2	2	2	2	2	3	3	3	3	3	3
-1.25°	2	2	2	2	2	2	3	3	3	3	3
-2.5°	2	2	2	2	2	2	3	3	3	3	3
-3.75°	2	2	2	2	2	2	3	3	3	3	3
-5°	2	2	2	2	2	2	3	3	3	3	3
-6.25°	2	2	2	2	2	2	3	3	3	3	3
-7.5°	2	2	2	2	2	2	3	3	3	3	3
-8.75°	2	2	2	2	2	2	3	3	3	3	3
-10°	2	2	2	2	2	2	3	3	3	3	3
-11.25°	2	2	2	2	2	2	3	3	3	3	3
-12.5°	2	2	2	2	2	2	3	3	3	3	3
-13.75°	2	2	2	2	2	2	3	3	3	3	3
-15°	2	2	2	2	2	2	2	3	3	3	3
-16.25°	2	2	2	2	2	2	2	3	3	3	3
-17.5°	2	2	2	2	2	2	2	3	3	3	3
-18.75°	2	2	2	2	2	2	2	3	3	3	3
-20°	2	2	2	2	2	2	2	3	3	3	3
-21.25°	2	2	2	2	2	2	2	2	3	3	3





REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	2	2	2	2	2	2	2	2	3	3	3
-23.75°	2	2	2	2	2	2	2	2	3	3	3
-25°	1	2	2	2	2	2	2	2	2	3	3
-26.25°	1	2	2	2	2	2	2	2	2	3	3
-27.5°	1	2	2	2	2	2	2	2	2	2	3
-28.75°	1	1	2	2	2	2	2	2	2	2	3
-30°	1	1	2	2	2	2	2	2	2	2	3
-31.25°	1	1	2	2	2	2	2	2	2	2	2
-32.5°	1	1	1	2	2	2	2	2	2	2	2
-33.75°	1	1	1	2	2	2	2	2	2	2	2
-35°	1	1	1	2	2	2	2	2	2	2	2
-36.25°	1	1	1	1	2	2	2	2	2	2	2
-37.5°	1	1	1	1	2	2	2	2	2	2	2
-38.75°	1	1	1	1	1	2	2	2	2	2	2
-40°	1	1	1	1	1	2	2	2	2	2	2
-41.25°	1	1	1	1	1	1	2	2	2	2	2
-42.5°	1	1	1	1	1	1	2	2	2	2	2
-43.75°	1	1	1	1	1	1	1	2	2	2	2
-45°	1	1	1	1	1	1	1	1	2	2	2
-46.25°	1	1	1	1	1	1	1	1	1	2	2
-47.5°	1	1	1	1	1	1	1	1	1	2	2
-48.75°	1	1	1	1	1	1	1	1	1	1	2
-50°	1	1	1	1	1	1	1	1	1	1	1
-51.25°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-53.75°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-56.25°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	0	0	1	1	1	1	1	1	1	1	1
-68.75°	0	0	0	1	1	1	1	1	1	1	1
-70°	0	0	0	0	0	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	0	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	1	1	1
75°	0	0	0	0	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	2	2
56.25°	1	1	1	1	1	1	1	2	2	2	2
55°	1	1	1	1	1	2	2	2	2	2	2
53.75°	1	1	1	1	2	2	2	2	2	2	2
52.5°	1	1	1	2	2	2	2	2	2	2	2
51.25°	1	2	2	2	2	2	2	2	2	2	2
50°	2	2	2	2	2	2	2	2	2	2	2
48.75°	2	2	2	2	2	2	2	2	2	2	2
47.5°	2	2	2	2	2	2	2	2	2	2	2
46.25°	2	2	2	2	2	2	2	2	2	2	3
45°	2	2	2	2	2	2	2	2	2	3	3
43.75°	2	2	2	2	2	2	2	2	3	3	3
42.5°	2	2	2	2	2	2	2	3	3	3	3
41.25°	2	2	2	2	2	2	3	3	3	3	3
40°	2	2	2	2	2	3	3	3	3	3	3
38.75°	2	2	2	2	3	3	3	3	3	3	3
37.5°	2	2	2	3	3	3	3	3	3	3	3
36.25°	2	2	3	3	3	3	3	3	3	3	4
35°	2	2	3	3	3	3	3	3	3	4	4



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	2	3	3	3	3	3	3	3	4	4	4
32.5°	3	3	3	3	3	3	3	3	4	4	4
31.25°	3	3	3	3	3	3	3	4	4	4	4
30°	3	3	3	3	3	3	4	4	4	4	4
28.75°	3	3	3	3	3	3	4	4	4	4	5
27.5°	3	3	3	3	3	4	4	4	4	5	5
26.25°	3	3	3	3	4	4	4	4	5	5	5
25°	3	3	3	3	4	4	4	4	5	5	5
23.75°	3	3	3	4	4	4	4	5	5	5	6
22.5°	3	3	3	4	4	4	4	5	5	6	7
21.25°	3	3	3	4	4	4	5	5	5	6	8
20°	3	3	4	4	4	4	5	5	6	7	10
18.75°	3	3	4	4	4	4	5	5	6	8	11
17.5°	3	3	4	4	4	5	5	5	7	9	12
16.25°	3	4	4	4	4	5	5	6	8	10	13
15°	3	4	4	4	4	5	5	6	9	11	13
13.75°	3	4	4	4	5	5	5	7	9	12	14
12.5°	3	4	4	4	5	5	6	8	10	13	15
11.25°	3	4	4	4	5	5	6	8	11	13	16
10°	4	4	4	4	5	5	6	9	11	14	16
8.75°	4	4	4	4	5	5	7	9	12	14	17
7.5°	4	4	4	5	5	5	7	10	12	15	18
6.25°	4	4	4	5	5	6	8	10	13	15	18
5°	4	4	4	5	5	6	8	11	13	16	19
3.75°	4	4	4	5	5	6	8	11	13	16	19
2.5°	4	4	4	5	5	6	8	11	13	16	19
1.25°	4	4	4	5	5	6	8	11	14	16	19
0°	4	4	4	5	5	6	8	11	14	16	19
-1.25°	4	4	4	5	5	6	8	11	14	16	19
-2.5°	4	4	4	5	5	6	8	11	13	16	19
-3.75°	4	4	4	5	5	6	8	11	13	16	19
-5°	4	4	4	5	5	6	8	11	13	16	19
-6.25°	4	4	4	5	5	6	8	10	13	15	18
-7.5°	4	4	4	5	5	5	7	10	12	15	18
-8.75°	4	4	4	4	5	5	7	9	12	14	17
-10°	4	4	4	4	5	5	6	9	11	14	16
-11.25°	3	4	4	4	5	5	6	8	11	13	16
-12.5°	3	4	4	4	5	5	6	8	10	13	15
-13.75°	3	4	4	4	5	5	5	7	9	12	14
-15°	3	4	4	4	4	5	5	6	9	11	13
-16.25°	3	4	4	4	4	5	5	6	8	10	13
-17.5°	3	3	4	4	4	5	5	5	7	9	12
-18.75°	3	3	4	4	4	4	5	5	6	8	11
-20°	3	3	4	4	4	4	5	5	6	7	10
-21.25°	3	3	3	4	4	4	5	5	5	6	8



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	3	3	3	4	4	4	4	5	5	6	7
-23.75°	3	3	3	4	4	4	4	5	5	5	6
-25°	3	3	3	3	4	4	4	4	5	5	5
-26.25°	3	3	3	3	4	4	4	4	5	5	5
-27.5°	3	3	3	3	3	4	4	4	4	5	5
-28.75°	3	3	3	3	3	3	4	4	4	4	5
-30°	3	3	3	3	3	3	4	4	4	4	4
-31.25°	3	3	3	3	3	3	3	4	4	4	4
-32.5°	3	3	3	3	3	3	3	3	4	4	4
-33.75°	2	3	3	3	3	3	3	3	4	4	4
-35°	2	2	3	3	3	3	3	3	3	4	4
-36.25°	2	2	3	3	3	3	3	3	3	3	4
-37.5°	2	2	2	3	3	3	3	3	3	3	3
-38.75°	2	2	2	2	3	3	3	3	3	3	3
-40°	2	2	2	2	2	3	3	3	3	3	3
-41.25°	2	2	2	2	2	2	3	3	3	3	3
-42.5°	2	2	2	2	2	2	2	3	3	3	3
-43.75°	2	2	2	2	2	2	2	2	3	3	3
-45°	2	2	2	2	2	2	2	2	2	3	3
-46.25°	2	2	2	2	2	2	2	2	2	2	3
-47.5°	2	2	2	2	2	2	2	2	2	2	2
-48.75°	2	2	2	2	2	2	2	2	2	2	2
-50°	2	2	2	2	2	2	2	2	2	2	2
-51.25°	1	2	2	2	2	2	2	2	2	2	2
-52.5°	1	1	1	2	2	2	2	2	2	2	2
-53.75°	1	1	1	1	2	2	2	2	2	2	2
-55°	1	1	1	1	1	2	2	2	2	2	2
-56.25°	1	1	1	1	1	1	1	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	2	2
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	1	1	1	1	1	1	1
-76.25°	0	0	0	0	0	0	0	0	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	2	2
61.25°	1	1	1	1	1	1	2	2	2	2	2
60°	1	1	1	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	3	3
51.25°	2	2	2	2	2	2	2	3	3	3	3
50°	2	2	2	2	3	3	3	3	3	3	3
48.75°	2	2	3	3	3	3	3	3	3	3	3
47.5°	2	3	3	3	3	3	3	3	3	3	3
46.25°	3	3	3	3	3	3	3	3	3	3	3
45°	3	3	3	3	3	3	3	3	3	4	4
43.75°	3	3	3	3	3	3	3	4	4	4	4
42.5°	3	3	3	3	3	3	4	4	4	4	4
41.25°	3	3	3	3	4	4	4	4	4	4	4
40°	3	3	3	4	4	4	4	4	4	5	5
38.75°	3	4	4	4	4	4	4	5	5	5	5
37.5°	4	4	4	4	4	4	5	5	5	5	6
36.25°	4	4	4	4	4	5	5	5	5	6	7
35°	4	4	4	5	5	5	5	6	7	8	9



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	4	4	5	5	5	5	6	7	9	10	11
32.5°	4	5	5	5	5	6	8	9	11	12	13
31.25°	5	5	5	5	6	8	10	11	13	14	15
30°	5	5	5	6	8	10	11	13	15	16	18
28.75°	5	5	6	8	10	12	13	15	16	18	20
27.5°	5	6	8	10	11	13	15	17	19	21	23
26.25°	6	7	9	11	13	15	17	19	21	24	31
25°	7	9	11	13	15	16	19	21	25	32	39
23.75°	8	10	12	14	16	18	21	24	32	40	53
22.5°	9	11	13	15	18	20	23	31	39	53	80
21.25°	11	13	15	17	20	22	29	38	50	79	107
20°	12	14	16	19	21	27	36	45	74	103	135
18.75°	13	15	17	20	23	33	42	65	97	128	167
17.5°	14	16	19	22	29	38	54	87	119	157	198
16.25°	15	17	20	24	34	44	73	107	144	186	228
15°	16	19	21	29	39	57	92	126	169	213	256
13.75°	17	20	23	33	43	73	109	149	194	239	282
12.5°	18	21	26	37	52	89	125	170	217	263	303
11.25°	19	22	30	41	66	103	143	190	238	283	323
10°	19	23	33	44	78	115	160	209	257	301	337
8.75°	20	25	36	51	89	127	176	225	273	316	350
7.5°	21	27	38	60	98	140	189	240	287	328	358
6.25°	21	29	40	67	106	151	201	252	298	337	365
5°	22	31	42	74	113	160	211	262	307	345	370
3.75°	22	32	43	79	118	167	218	269	314	351	375
2.5°	22	33	44	82	122	172	224	275	319	354	378
1.25°	23	34	45	84	124	175	227	278	322	356	380
0°	23	34	45	85	125	176	228	279	323	356	381
-1.25°	23	34	45	84	124	175	227	278	322	356	380
-2.5°	22	33	44	82	122	172	224	275	319	354	378
-3.75°	22	32	43	79	118	167	218	269	314	351	375
-5°	22	31	42	74	113	160	211	262	307	345	370
-6.25°	21	29	40	67	106	151	201	252	298	337	365
-7.5°	21	27	38	60	98	140	189	240	287	328	358
-8.75°	20	25	36	51	89	127	176	225	273	316	350
-10°	19	23	33	44	78	115	160	209	257	301	337
-11.25°	19	22	30	41	66	103	143	190	238	283	323
-12.5°	18	21	26	37	52	89	125	170	217	263	303
-13.75°	17	20	23	33	43	73	109	149	194	239	282
-15°	16	19	21	29	39	57	92	126	169	213	256
-16.25°	15	17	20	24	34	44	73	107	144	186	228
-17.5°	14	16	19	22	29	38	54	87	119	157	198
-18.75°	13	15	17	20	23	33	42	65	97	128	167
-20°	12	14	16	19	21	27	36	45	74	103	135
-21.25°	11	13	15	17	20	22	29	38	50	79	107





REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	9	11	13	15	18	20	23	31	39	53	80
-23.75°	8	10	12	14	16	18	21	24	32	40	53
-25°	7	9	11	13	15	16	19	21	25	32	39
-26.25°	6	7	9	11	13	15	17	19	21	24	31
-27.5°	5	6	8	10	11	13	15	17	19	21	23
-28.75°	5	5	6	8	10	12	13	15	16	18	20
-30°	5	5	5	6	8	10	11	13	15	16	18
-31.25°	5	5	5	5	6	8	10	11	13	14	15
-32.5°	4	5	5	5	5	6	8	9	11	12	13
-33.75°	4	4	5	5	5	5	6	7	9	10	11
-35°	4	4	4	5	5	5	5	6	7	8	9
-36.25°	4	4	4	4	4	5	5	5	5	6	7
-37.5°	4	4	4	4	4	4	5	5	5	5	6
-38.75°	3	4	4	4	4	4	4	5	5	5	5
-40°	3	3	3	4	4	4	4	4	4	5	5
-41.25°	3	3	3	3	4	4	4	4	4	4	4
-42.5°	3	3	3	3	3	3	4	4	4	4	4
-43.75°	3	3	3	3	3	3	3	4	4	4	4
-45°	3	3	3	3	3	3	3	3	3	4	4
-46.25°	3	3	3	3	3	3	3	3	3	3	3
-47.5°	2	3	3	3	3	3	3	3	3	3	3
-48.75°	2	2	3	3	3	3	3	3	3	3	3
-50°	2	2	2	2	3	3	3	3	3	3	3
-51.25°	2	2	2	2	2	2	2	3	3	3	3
-52.5°	2	2	2	2	2	2	2	2	2	3	3
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	1	1	1	2	2	2	2	2	2	2	2
-61.25°	1	1	1	1	1	1	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	1	2	2
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	1	1	1	1	1	1	1	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	3	3	3	3	3
53.75°	2	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	3	3	3	3	3	3	3	3	3	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
46.25°	3	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
43.75°	4	4	4	4	4	4	5	5	5	5	5
42.5°	4	4	4	5	5	5	5	5	5	5	5
41.25°	5	5	5	5	5	5	5	6	6	6	7
40°	5	5	5	5	6	6	7	8	8	9	9
38.75°	5	6	6	7	8	9	9	10	11	11	12
37.5°	6	7	8	9	10	11	12	13	13	14	14
36.25°	8	10	11	12	13	13	14	15	16	16	17
35°	11	12	13	14	15	16	17	18	19	19	20



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	13	14	15	16	17	19	20	21	22	23	25
32.5°	15	16	17	19	20	21	23	26	30	33	36
31.25°	17	19	20	22	24	29	33	37	41	44	51
30°	20	21	23	29	34	39	43	52	66	78	89
28.75°	22	27	33	38	44	57	73	89	103	115	127
27.5°	29	36	42	54	73	92	109	125	143	160	176
26.25°	38	45	65	87	107	126	149	170	190	209	225
25°	50	74	97	119	144	169	194	217	238	257	273
23.75°	79	103	128	157	186	213	239	263	283	301	316
22.5°	107	135	167	198	228	256	282	303	323	337	350
21.25°	137	171	205	238	268	295	319	337	353	363	373
20°	171	207	243	275	304	329	348	362	374	385	397
18.75°	205	243	278	308	334	354	369	382	397	413	432
17.5°	238	275	308	336	357	373	388	407	429	453	481
16.25°	268	304	334	357	374	391	413	441	472	505	546
15°	295	329	354	373	391	415	447	484	527	575	629
13.75°	319	348	369	388	413	447	488	539	598	662	736
12.5°	337	362	382	407	441	484	539	605	682	767	855
11.25°	353	374	397	429	472	527	598	682	779	880	989
10°	363	385	413	453	505	575	662	767	880	1004	1128
8.75°	373	397	432	481	546	629	736	855	989	1128	1270
7.5°	381	410	450	506	584	684	807	943	1093	1249	1408
6.25°	388	421	469	536	624	739	872	1025	1190	1363	1537
5°	396	434	487	560	658	787	934	1100	1278	1464	1651
3.75°	402	443	500	582	691	828	985	1160	1350	1548	1744
2.5°	407	450	512	600	716	857	1023	1207	1405	1611	1814
1.25°	410	454	520	610	731	875	1047	1236	1439	1649	1857
0°	411	456	522	614	736	881	1055	1246	1451	1662	1871
-1.25°	410	454	520	610	731	875	1047	1236	1439	1649	1857
-2.5°	407	450	512	600	716	857	1023	1207	1405	1611	1814
-3.75°	402	443	500	582	691	828	985	1160	1350	1548	1744
-5°	396	434	487	560	658	787	934	1100	1278	1464	1651
-6.25°	388	421	469	536	624	739	872	1025	1190	1363	1537
-7.5°	381	410	450	506	584	684	807	943	1093	1249	1408
-8.75°	373	397	432	481	546	629	736	855	989	1128	1270
-10°	363	385	413	453	505	575	662	767	880	1004	1128
-11.25°	353	374	397	429	472	527	598	682	779	880	989
-12.5°	337	362	382	407	441	484	539	605	682	767	855
-13.75°	319	348	369	388	413	447	488	539	598	662	736
-15°	295	329	354	373	391	415	447	484	527	575	629
-16.25°	268	304	334	357	374	391	413	441	472	505	546
-17.5°	238	275	308	336	357	373	388	407	429	453	481
-18.75°	205	243	278	308	334	354	369	382	397	413	432
-20°	171	207	243	275	304	329	348	362	374	385	397
-21.25°	137	171	205	238	268	295	319	337	353	363	373



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	107	135	167	198	228	256	282	303	323	337	350
-23.75°	79	103	128	157	186	213	239	263	283	301	316
-25°	50	74	97	119	144	169	194	217	238	257	273
-26.25°	38	45	65	87	107	126	149	170	190	209	225
-27.5°	29	36	42	54	73	92	109	125	143	160	176
-28.75°	22	27	33	38	44	57	73	89	103	115	127
-30°	20	21	23	29	34	39	43	52	66	78	89
-31.25°	17	19	20	22	24	29	33	37	41	44	51
-32.5°	15	16	17	19	20	21	23	26	30	33	36
-33.75°	13	14	15	16	17	19	20	21	22	23	25
-35°	11	12	13	14	15	16	17	18	19	19	20
-36.25°	8	10	11	12	13	13	14	15	16	16	17
-37.5°	6	7	8	9	10	11	12	13	13	14	14
-38.75°	5	6	6	7	8	9	9	10	11	11	12
-40°	5	5	5	5	6	6	7	8	8	9	9
-41.25°	5	5	5	5	5	5	5	6	6	6	7
-42.5°	4	4	4	5	5	5	5	5	5	5	5
-43.75°	4	4	4	4	4	4	5	5	5	5	5
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	3	4	4	4	4	4	4	4	4	4	4
-47.5°	3	3	3	3	4	4	4	4	4	4	4
-48.75°	3	3	3	3	3	3	3	3	3	4	4
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	2	3	3	3	3	3	3	3	3	3	3
-55°	2	2	2	2	2	2	3	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	2	2	2	2	2	2	2
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	0	0	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	2	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	3	2	2	2	2
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	5	5	5	5	5	5	5	5	5	5	5
43.75°	5	5	5	5	5	5	5	5	5	5	5
42.5°	5	6	6	6	6	6	6	6	6	6	6
41.25°	7	8	8	8	8	8	8	8	8	8	8
40°	10	10	11	11	11	11	11	11	11	11	11
38.75°	12	13	13	13	13	14	14	14	13	13	13
37.5°	15	15	16	16	16	16	16	16	16	16	16
36.25°	18	18	19	19	19	19	19	19	19	19	19
35°	21	21	22	22	22	23	23	23	22	22	22



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	27	29	31	32	33	34	34	34	33	32	31
32.5°	38	40	42	43	44	45	45	45	44	43	42
31.25°	60	67	74	79	82	84	85	84	82	79	74
30°	98	106	113	118	122	124	125	124	122	118	113
28.75°	140	151	160	167	172	175	176	175	172	167	160
27.5°	189	201	211	218	224	227	228	227	224	218	211
26.25°	240	252	262	269	275	278	279	278	275	269	262
25°	287	298	307	314	319	322	323	322	319	314	307
23.75°	328	337	345	351	354	356	356	356	354	351	345
22.5°	358	365	370	375	378	380	381	380	378	375	370
21.25°	381	388	396	402	407	410	411	410	407	402	396
20°	410	421	434	443	450	454	456	454	450	443	434
18.75°	450	469	487	500	512	520	522	520	512	500	487
17.5°	506	536	560	582	600	610	614	610	600	582	560
16.25°	584	624	658	691	716	731	736	731	716	691	658
15°	684	739	787	828	857	875	881	875	857	828	787
13.75°	807	872	934	985	1023	1047	1055	1047	1023	985	934
12.5°	943	1025	1100	1160	1207	1236	1246	1236	1207	1160	1100
11.25°	1093	1190	1278	1350	1405	1439	1451	1439	1405	1350	1278
10°	1249	1363	1464	1548	1611	1649	1662	1649	1611	1548	1464
8.75°	1408	1537	1651	1744	1814	1857	1871	1857	1814	1744	1651
7.5°	1562	1704	1830	1931	2007	2051	2067	2051	2007	1931	1830
6.25°	1704	1858	1993	2098	2175	2222	2238	2222	2175	2098	1993
5°	1830	1993	2131	2238	2315	2362	2379	2362	2315	2238	2131
3.75°	1931	2098	2238	2346	2424	2473	2488	2473	2424	2346	2238
2.5°	2007	2175	2315	2424	2503	2551	2564	2551	2503	2424	2315
1.25°	2051	2222	2362	2473	2551	2591	2606	2591	2551	2473	2362
0°	2067	2238	2379	2488	2564	2606	2628	2606	2564	2488	2379
-1.25°	2051	2222	2362	2473	2551	2591	2606	2591	2551	2473	2362
-2.5°	2007	2175	2315	2424	2503	2551	2564	2551	2503	2424	2315
-3.75°	1931	2098	2238	2346	2424	2473	2488	2473	2424	2346	2238
-5°	1830	1993	2131	2238	2315	2362	2379	2362	2315	2238	2131
-6.25°	1704	1858	1993	2098	2175	2222	2238	2222	2175	2098	1993
-7.5°	1562	1704	1830	1931	2007	2051	2067	2051	2007	1931	1830
-8.75°	1408	1537	1651	1744	1814	1857	1871	1857	1814	1744	1651
-10°	1249	1363	1464	1548	1611	1649	1662	1649	1611	1548	1464
-11.25°	1093	1190	1278	1350	1405	1439	1451	1439	1405	1350	1278
-12.5°	943	1025	1100	1160	1207	1236	1246	1236	1207	1160	1100
-13.75°	807	872	934	985	1023	1047	1055	1047	1023	985	934
-15°	684	739	787	828	857	875	881	875	857	828	787
-16.25°	584	624	658	691	716	731	736	731	716	691	658
-17.5°	506	536	560	582	600	610	614	610	600	582	560
-18.75°	450	469	487	500	512	520	522	520	512	500	487
-20°	410	421	434	443	450	454	456	454	450	443	434
-21.25°	381	388	396	402	407	410	411	410	407	402	396





REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	358	365	370	375	378	380	381	380	378	375	370
-23.75°	328	337	345	351	354	356	356	356	354	351	345
-25°	287	298	307	314	319	322	323	322	319	314	307
-26.25°	240	252	262	269	275	278	279	278	275	269	262
-27.5°	189	201	211	218	224	227	228	227	224	218	211
-28.75°	140	151	160	167	172	175	176	175	172	167	160
-30°	98	106	113	118	122	124	125	124	122	118	113
-31.25°	60	67	74	79	82	84	85	84	82	79	74
-32.5°	38	40	42	43	44	45	45	45	44	43	42
-33.75°	27	29	31	32	33	34	34	34	33	32	31
-35°	21	21	22	22	22	23	23	23	22	22	22
-36.25°	18	18	19	19	19	19	19	19	19	19	19
-37.5°	15	15	16	16	16	16	16	16	16	16	16
-38.75°	12	13	13	13	13	14	14	14	13	13	13
-40°	10	10	11	11	11	11	11	11	11	11	11
-41.25°	7	8	8	8	8	8	8	8	8	8	8
-42.5°	5	6	6	6	6	6	6	6	6	6	6
-43.75°	5	5	5	5	5	5	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	2	2	2	2	2	2	3	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	1	2	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	2	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	3	2	2	2	2
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	4	4	4	4	3	3	3	3	3	3	3
47.5°	4	4	4	4	4	4	4	4	4	3	3
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	5	5	4	4	4	4	4	4	4	4	4
43.75°	5	5	5	5	5	5	5	4	4	4	4
42.5°	6	5	5	5	5	5	5	5	5	5	4
41.25°	8	7	7	6	6	6	5	5	5	5	5
40°	10	10	9	9	8	8	7	6	6	5	5
38.75°	13	12	12	11	11	10	9	9	8	7	6
37.5°	15	15	14	14	13	13	12	11	10	9	8
36.25°	18	18	17	16	16	15	14	13	13	12	11
35°	21	21	20	19	19	18	17	16	15	14	13



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	29	27	25	23	22	21	20	19	17	16	15
32.5°	40	38	36	33	30	26	23	21	20	19	17
31.25°	67	60	51	44	41	37	33	29	24	22	20
30°	106	98	89	78	66	52	43	39	34	29	23
28.75°	151	140	127	115	103	89	73	57	44	38	33
27.5°	201	189	176	160	143	125	109	92	73	54	42
26.25°	252	240	225	209	190	170	149	126	107	87	65
25°	298	287	273	257	238	217	194	169	144	119	97
23.75°	337	328	316	301	283	263	239	213	186	157	128
22.5°	365	358	350	337	323	303	282	256	228	198	167
21.25°	388	381	373	363	353	337	319	295	268	238	205
20°	421	410	397	385	374	362	348	329	304	275	243
18.75°	469	450	432	413	397	382	369	354	334	308	278
17.5°	536	506	481	453	429	407	388	373	357	336	308
16.25°	624	584	546	505	472	441	413	391	374	357	334
15°	739	684	629	575	527	484	447	415	391	373	354
13.75°	872	807	736	662	598	539	488	447	413	388	369
12.5°	1025	943	855	767	682	605	539	484	441	407	382
11.25°	1190	1093	989	880	779	682	598	527	472	429	397
10°	1363	1249	1128	1004	880	767	662	575	505	453	413
8.75°	1537	1408	1270	1128	989	855	736	629	546	481	432
7.5°	1704	1562	1408	1249	1093	943	807	684	584	506	450
6.25°	1858	1704	1537	1363	1190	1025	872	739	624	536	469
5°	1993	1830	1651	1464	1278	1100	934	787	658	560	487
3.75°	2098	1931	1744	1548	1350	1160	985	828	691	582	500
2.5°	2175	2007	1814	1611	1405	1207	1023	857	716	600	512
1.25°	2222	2051	1857	1649	1439	1236	1047	875	731	610	520
0°	2238	2067	1871	1662	1451	1246	1055	881	736	614	522
-1.25°	2222	2051	1857	1649	1439	1236	1047	875	731	610	520
-2.5°	2175	2007	1814	1611	1405	1207	1023	857	716	600	512
-3.75°	2098	1931	1744	1548	1350	1160	985	828	691	582	500
-5°	1993	1830	1651	1464	1278	1100	934	787	658	560	487
-6.25°	1858	1704	1537	1363	1190	1025	872	739	624	536	469
-7.5°	1704	1562	1408	1249	1093	943	807	684	584	506	450
-8.75°	1537	1408	1270	1128	989	855	736	629	546	481	432
-10°	1363	1249	1128	1004	880	767	662	575	505	453	413
-11.25°	1190	1093	989	880	779	682	598	527	472	429	397
-12.5°	1025	943	855	767	682	605	539	484	441	407	382
-13.75°	872	807	736	662	598	539	488	447	413	388	369
-15°	739	684	629	575	527	484	447	415	391	373	354
-16.25°	624	584	546	505	472	441	413	391	374	357	334
-17.5°	536	506	481	453	429	407	388	373	357	336	308
-18.75°	469	450	432	413	397	382	369	354	334	308	278
-20°	421	410	397	385	374	362	348	329	304	275	243
-21.25°	388	381	373	363	353	337	319	295	268	238	205



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	365	358	350	337	323	303	282	256	228	198	167
-23.75°	337	328	316	301	283	263	239	213	186	157	128
-25°	298	287	273	257	238	217	194	169	144	119	97
-26.25°	252	240	225	209	190	170	149	126	107	87	65
-27.5°	201	189	176	160	143	125	109	92	73	54	42
-28.75°	151	140	127	115	103	89	73	57	44	38	33
-30°	106	98	89	78	66	52	43	39	34	29	23
-31.25°	67	60	51	44	41	37	33	29	24	22	20
-32.5°	40	38	36	33	30	26	23	21	20	19	17
-33.75°	29	27	25	23	22	21	20	19	17	16	15
-35°	21	21	20	19	19	18	17	16	15	14	13
-36.25°	18	18	17	16	16	15	14	13	13	12	11
-37.5°	15	15	14	14	13	13	12	11	10	9	8
-38.75°	13	12	12	11	11	10	9	9	8	7	6
-40°	10	10	9	9	8	8	7	6	6	5	5
-41.25°	8	7	7	6	6	6	5	5	5	5	5
-42.5°	6	5	5	5	5	5	5	5	5	5	4
-43.75°	5	5	5	5	5	5	5	4	4	4	4
-45°	5	5	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	3	3
-48.75°	4	4	4	4	3	3	3	3	3	3	3
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	2	2	2	2	1	1	1	1	1	1	1
61.25°	2	2	2	2	2	2	2	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	2	1
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	3	2	2	2	2	2	2	2	2	2	2
52.5°	3	3	3	3	2	2	2	2	2	2	2
51.25°	3	3	3	3	3	3	2	2	2	2	2
50°	3	3	3	3	3	3	3	3	3	2	2
48.75°	3	3	3	3	3	3	3	3	3	3	3
47.5°	3	3	3	3	3	3	3	3	3	3	3
46.25°	4	3	3	3	3	3	3	3	3	3	3
45°	4	4	4	4	3	3	3	3	3	3	3
43.75°	4	4	4	4	4	4	3	3	3	3	3
42.5°	4	4	4	4	4	4	4	3	3	3	3
41.25°	5	5	4	4	4	4	4	4	4	3	3
40°	5	5	5	5	4	4	4	4	4	4	3
38.75°	6	5	5	5	5	5	4	4	4	4	4
37.5°	7	6	6	5	5	5	5	4	4	4	4
36.25°	10	8	7	6	5	5	5	5	4	4	4
35°	12	11	9	8	7	6	5	5	5	5	4



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	14	13	11	10	9	7	6	5	5	5	5
32.5°	16	15	13	12	11	9	8	6	5	5	5
31.25°	19	17	15	14	13	11	10	8	6	5	5
30°	21	20	18	16	15	13	11	10	8	6	5
28.75°	27	22	20	18	16	15	13	12	10	8	6
27.5°	36	29	23	21	19	17	15	13	11	10	8
26.25°	45	38	31	24	21	19	17	15	13	11	9
25°	74	50	39	32	25	21	19	16	15	13	11
23.75°	103	79	53	40	32	24	21	18	16	14	12
22.5°	135	107	80	53	39	31	23	20	18	15	13
21.25°	171	137	107	79	50	38	29	22	20	17	15
20°	207	171	135	103	74	45	36	27	21	19	16
18.75°	243	205	167	128	97	65	42	33	23	20	17
17.5°	275	238	198	157	119	87	54	38	29	22	19
16.25°	304	268	228	186	144	107	73	44	34	24	20
15°	329	295	256	213	169	126	92	57	39	29	21
13.75°	348	319	282	239	194	149	109	73	43	33	23
12.5°	362	337	303	263	217	170	125	89	52	37	26
11.25°	374	353	323	283	238	190	143	103	66	41	30
10°	385	363	337	301	257	209	160	115	78	44	33
8.75°	397	373	350	316	273	225	176	127	89	51	36
7.5°	410	381	358	328	287	240	189	140	98	60	38
6.25°	421	388	365	337	298	252	201	151	106	67	40
5°	434	396	370	345	307	262	211	160	113	74	42
3.75°	443	402	375	351	314	269	218	167	118	79	43
2.5°	450	407	378	354	319	275	224	172	122	82	44
1.25°	454	410	380	356	322	278	227	175	124	84	45
0°	456	411	381	356	323	279	228	176	125	85	45
-1.25°	454	410	380	356	322	278	227	175	124	84	45
-2.5°	450	407	378	354	319	275	224	172	122	82	44
-3.75°	443	402	375	351	314	269	218	167	118	79	43
-5°	434	396	370	345	307	262	211	160	113	74	42
-6.25°	421	388	365	337	298	252	201	151	106	67	40
-7.5°	410	381	358	328	287	240	189	140	98	60	38
-8.75°	397	373	350	316	273	225	176	127	89	51	36
-10°	385	363	337	301	257	209	160	115	78	44	33
-11.25°	374	353	323	283	238	190	143	103	66	41	30
-12.5°	362	337	303	263	217	170	125	89	52	37	26
-13.75°	348	319	282	239	194	149	109	73	43	33	23
-15°	329	295	256	213	169	126	92	57	39	29	21
-16.25°	304	268	228	186	144	107	73	44	34	24	20
-17.5°	275	238	198	157	119	87	54	38	29	22	19
-18.75°	243	205	167	128	97	65	42	33	23	20	17
-20°	207	171	135	103	74	45	36	27	21	19	16
-21.25°	171	137	107	79	50	38	29	22	20	17	15





REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	135	107	80	53	39	31	23	20	18	15	13
-23.75°	103	79	53	40	32	24	21	18	16	14	12
-25°	74	50	39	32	25	21	19	16	15	13	11
-26.25°	45	38	31	24	21	19	17	15	13	11	9
-27.5°	36	29	23	21	19	17	15	13	11	10	8
-28.75°	27	22	20	18	16	15	13	12	10	8	6
-30°	21	20	18	16	15	13	11	10	8	6	5
-31.25°	19	17	15	14	13	11	10	8	6	5	5
-32.5°	16	15	13	12	11	9	8	6	5	5	5
-33.75°	14	13	11	10	9	7	6	5	5	5	5
-35°	12	11	9	8	7	6	5	5	5	5	4
-36.25°	10	8	7	6	5	5	5	5	4	4	4
-37.5°	7	6	6	5	5	5	5	4	4	4	4
-38.75°	6	5	5	5	5	5	4	4	4	4	4
-40°	5	5	5	5	4	4	4	4	4	4	3
-41.25°	5	5	4	4	4	4	4	4	4	3	3
-42.5°	4	4	4	4	4	4	4	3	3	3	3
-43.75°	4	4	4	4	4	4	3	3	3	3	3
-45°	4	4	4	4	3	3	3	3	3	3	3
-46.25°	4	3	3	3	3	3	3	3	3	3	3
-47.5°	3	3	3	3	3	3	3	3	3	3	3
-48.75°	3	3	3	3	3	3	3	3	3	3	3
-50°	3	3	3	3	3	3	3	3	3	2	2
-51.25°	3	3	3	3	3	3	2	2	2	2	2
-52.5°	3	3	3	3	2	2	2	2	2	2	2
-53.75°	3	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	1
-61.25°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	1	1	1	1	1	0	0	0	0	0	0
75°	1	1	1	1	1	1	1	1	1	0	0
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	2	2	1	1	1	1	1	1	1	1	1
57.5°	2	2	2	2	1	1	1	1	1	1	1
56.25°	2	2	2	2	2	2	1	1	1	1	1
55°	2	2	2	2	2	2	2	2	1	1	1
53.75°	2	2	2	2	2	2	2	2	2	1	1
52.5°	2	2	2	2	2	2	2	2	2	2	1
51.25°	2	2	2	2	2	2	2	2	2	2	2
50°	2	2	2	2	2	2	2	2	2	2	2
48.75°	2	2	2	2	2	2	2	2	2	2	2
47.5°	3	2	2	2	2	2	2	2	2	2	2
46.25°	3	3	3	2	2	2	2	2	2	2	2
45°	3	3	3	3	2	2	2	2	2	2	2
43.75°	3	3	3	3	3	2	2	2	2	2	2
42.5°	3	3	3	3	3	3	2	2	2	2	2
41.25°	3	3	3	3	3	3	3	2	2	2	2
40°	3	3	3	3	3	3	3	3	2	2	2
38.75°	4	3	3	3	3	3	3	3	3	2	2
37.5°	4	4	3	3	3	3	3	3	3	3	2
36.25°	4	4	4	3	3	3	3	3	3	3	3
35°	4	4	4	4	3	3	3	3	3	3	3



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	4	4	4	4	4	3	3	3	3	3	3
32.5°	5	4	4	4	4	3	3	3	3	3	3
31.25°	5	5	4	4	4	4	3	3	3	3	3
30°	5	5	4	4	4	4	4	3	3	3	3
28.75°	5	5	5	4	4	4	4	3	3	3	3
27.5°	6	5	5	5	4	4	4	4	3	3	3
26.25°	7	6	5	5	5	4	4	4	4	3	3
25°	9	7	5	5	5	4	4	4	4	3	3
23.75°	10	8	6	5	5	5	4	4	4	4	3
22.5°	11	9	7	6	5	5	4	4	4	4	3
21.25°	13	11	8	6	5	5	5	4	4	4	3
20°	14	12	10	7	6	5	5	4	4	4	4
18.75°	15	13	11	8	6	5	5	4	4	4	4
17.5°	16	14	12	9	7	5	5	5	4	4	4
16.25°	17	15	13	10	8	6	5	5	4	4	4
15°	19	16	13	11	9	6	5	5	4	4	4
13.75°	20	17	14	12	9	7	5	5	5	4	4
12.5°	21	18	15	13	10	8	6	5	5	4	4
11.25°	22	19	16	13	11	8	6	5	5	4	4
10°	23	19	16	14	11	9	6	5	5	4	4
8.75°	25	20	17	14	12	9	7	5	5	4	4
7.5°	27	21	18	15	12	10	7	5	5	5	4
6.25°	29	21	18	15	13	10	8	6	5	5	4
5°	31	22	19	16	13	11	8	6	5	5	4
3.75°	32	22	19	16	13	11	8	6	5	5	4
2.5°	33	22	19	16	13	11	8	6	5	5	4
1.25°	34	23	19	16	14	11	8	6	5	5	4
0°	34	23	19	16	14	11	8	6	5	5	4
-1.25°	34	23	19	16	14	11	8	6	5	5	4
-2.5°	33	22	19	16	13	11	8	6	5	5	4
-3.75°	32	22	19	16	13	11	8	6	5	5	4
-5°	31	22	19	16	13	11	8	6	5	5	4
-6.25°	29	21	18	15	13	10	8	6	5	5	4
-7.5°	27	21	18	15	12	10	7	5	5	5	4
-8.75°	25	20	17	14	12	9	7	5	5	4	4
-10°	23	19	16	14	11	9	6	5	5	4	4
-11.25°	22	19	16	13	11	8	6	5	5	4	4
-12.5°	21	18	15	13	10	8	6	5	5	4	4
-13.75°	20	17	14	12	9	7	5	5	5	4	4
-15°	19	16	13	11	9	6	5	5	4	4	4
-16.25°	17	15	13	10	8	6	5	5	4	4	4
-17.5°	16	14	12	9	7	5	5	5	4	4	4
-18.75°	15	13	11	8	6	5	5	4	4	4	4
-20°	14	12	10	7	6	5	5	4	4	4	4
-21.25°	13	11	8	6	5	5	5	4	4	4	3



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	11	9	7	6	5	5	4	4	4	4	3
-23.75°	10	8	6	5	5	5	4	4	4	4	3
-25°	9	7	5	5	5	4	4	4	4	3	3
-26.25°	7	6	5	5	5	4	4	4	4	3	3
-27.5°	6	5	5	5	4	4	4	4	3	3	3
-28.75°	5	5	5	4	4	4	4	3	3	3	3
-30°	5	5	4	4	4	4	4	3	3	3	3
-31.25°	5	5	4	4	4	4	3	3	3	3	3
-32.5°	5	4	4	4	4	3	3	3	3	3	3
-33.75°	4	4	4	4	4	3	3	3	3	3	3
-35°	4	4	4	4	3	3	3	3	3	3	3
-36.25°	4	4	4	3	3	3	3	3	3	3	3
-37.5°	4	4	3	3	3	3	3	3	3	3	2
-38.75°	4	3	3	3	3	3	3	3	3	2	2
-40°	3	3	3	3	3	3	3	3	2	2	2
-41.25°	3	3	3	3	3	3	2	2	2	2	2
-42.5°	3	3	3	3	3	3	2	2	2	2	2
-43.75°	3	3	3	3	3	2	2	2	2	2	2
-45°	3	3	3	3	2	2	2	2	2	2	2
-46.25°	3	3	3	2	2	2	2	2	2	2	2
-47.5°	3	2	2	2	2	2	2	2	2	2	2
-48.75°	2	2	2	2	2	2	2	2	2	2	2
-50°	2	2	2	2	2	2	2	2	2	2	2
-51.25°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	1
-53.75°	2	2	2	2	2	2	2	2	2	1	1
-55°	2	2	2	2	2	2	2	2	1	1	1
-56.25°	2	2	2	2	2	2	1	1	1	1	1
-57.5°	2	2	2	2	1	1	1	1	1	1	1
-58.75°	2	2	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	0	0
-76.25°	1	1	1	1	1	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	1	1	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	0	0	0	0	0
70°	1	1	1	1	1	1	1	1	0	0	0
68.75°	1	1	1	1	1	1	1	1	1	1	0
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
56.25°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
53.75°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
51.25°	2	1	1	1	1	1	1	1	1	1	1
50°	2	2	1	1	1	1	1	1	1	1	1
48.75°	2	2	2	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	1	1	1	1	1	1	1
46.25°	2	2	2	2	1	1	1	1	1	1	1
45°	2	2	2	2	2	1	1	1	1	1	1
43.75°	2	2	2	2	2	2	1	1	1	1	1
42.5°	2	2	2	2	2	2	2	1	1	1	1
41.25°	2	2	2	2	2	2	2	1	1	1	1
40°	2	2	2	2	2	2	2	2	1	1	1
38.75°	2	2	2	2	2	2	2	2	1	1	1
37.5°	2	2	2	2	2	2	2	2	2	1	1
36.25°	2	2	2	2	2	2	2	2	2	1	1
35°	2	2	2	2	2	2	2	2	2	2	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	3	2	2	2	2	2	2	2	2	2	1
32.5°	3	3	2	2	2	2	2	2	2	2	1
31.25°	3	3	2	2	2	2	2	2	2	2	2
30°	3	3	3	2	2	2	2	2	2	2	2
28.75°	3	3	3	2	2	2	2	2	2	2	2
27.5°	3	3	3	2	2	2	2	2	2	2	2
26.25°	3	3	3	3	2	2	2	2	2	2	2
25°	3	3	3	3	2	2	2	2	2	2	2
23.75°	3	3	3	3	3	2	2	2	2	2	2
22.5°	3	3	3	3	3	2	2	2	2	2	2
21.25°	3	3	3	3	3	2	2	2	2	2	2
20°	3	3	3	3	3	3	2	2	2	2	2
18.75°	3	3	3	3	3	3	2	2	2	2	2
17.5°	3	3	3	3	3	3	2	2	2	2	2
16.25°	4	3	3	3	3	3	2	2	2	2	2
15°	4	3	3	3	3	3	2	2	2	2	2
13.75°	4	3	3	3	3	3	3	2	2	2	2
12.5°	4	3	3	3	3	3	3	2	2	2	2
11.25°	4	3	3	3	3	3	3	2	2	2	2
10°	4	4	3	3	3	3	3	2	2	2	2
8.75°	4	4	3	3	3	3	3	2	2	2	2
7.5°	4	4	3	3	3	3	3	2	2	2	2
6.25°	4	4	3	3	3	3	3	2	2	2	2
5°	4	4	3	3	3	3	3	2	2	2	2
3.75°	4	4	3	3	3	3	3	2	2	2	2
2.5°	4	4	3	3	3	3	3	2	2	2	2
1.25°	4	4	3	3	3	3	3	2	2	2	2
0°	4	4	3	3	3	3	3	3	2	2	2
-1.25°	4	4	3	3	3	3	3	2	2	2	2
-2.5°	4	4	3	3	3	3	3	2	2	2	2
-3.75°	4	4	3	3	3	3	3	2	2	2	2
-5°	4	4	3	3	3	3	3	2	2	2	2
-6.25°	4	4	3	3	3	3	3	2	2	2	2
-7.5°	4	4	3	3	3	3	3	2	2	2	2
-8.75°	4	4	3	3	3	3	3	2	2	2	2
-10°	4	4	3	3	3	3	3	2	2	2	2
-11.25°	4	3	3	3	3	3	3	2	2	2	2
-12.5°	4	3	3	3	3	3	3	2	2	2	2
-13.75°	4	3	3	3	3	3	3	2	2	2	2
-15°	4	3	3	3	3	3	2	2	2	2	2
-16.25°	4	3	3	3	3	3	2	2	2	2	2
-17.5°	3	3	3	3	3	3	2	2	2	2	2
-18.75°	3	3	3	3	3	3	2	2	2	2	2
-20°	3	3	3	3	3	3	2	2	2	2	2
-21.25°	3	3	3	3	3	2	2	2	2	2	2





REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	3	3	3	3	3	2	2	2	2	2	2
-23.75°	3	3	3	3	3	2	2	2	2	2	2
-25°	3	3	3	3	2	2	2	2	2	2	2
-26.25°	3	3	3	3	2	2	2	2	2	2	2
-27.5°	3	3	3	2	2	2	2	2	2	2	2
-28.75°	3	3	3	2	2	2	2	2	2	2	2
-30°	3	3	3	2	2	2	2	2	2	2	2
-31.25°	3	3	2	2	2	2	2	2	2	2	2
-32.5°	3	3	2	2	2	2	2	2	2	2	1
-33.75°	3	2	2	2	2	2	2	2	2	2	1
-35°	2	2	2	2	2	2	2	2	2	2	1
-36.25°	2	2	2	2	2	2	2	2	2	1	1
-37.5°	2	2	2	2	2	2	2	2	2	1	1
-38.75°	2	2	2	2	2	2	2	2	1	1	1
-40°	2	2	2	2	2	2	2	2	1	1	1
-41.25°	2	2	2	2	2	2	2	1	1	1	1
-42.5°	2	2	2	2	2	2	2	1	1	1	1
-43.75°	2	2	2	2	2	2	1	1	1	1	1
-45°	2	2	2	2	2	1	1	1	1	1	1
-46.25°	2	2	2	2	1	1	1	1	1	1	1
-47.5°	2	2	2	2	1	1	1	1	1	1	1
-48.75°	2	2	2	1	1	1	1	1	1	1	1
-50°	2	2	1	1	1	1	1	1	1	1	1
-51.25°	2	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-53.75°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-56.25°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	0
-70°	1	1	1	1	1	1	1	1	0	0	0
-71.25°	1	1	1	1	1	1	0	0	0	0	0
-72.5°	1	1	1	1	0	0	0	0	0	0	0
-73.75°	1	1	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	1	1	0	0	0	0	0	0	0	0	0
65°	1	1	1	0	0	0	0	0	0	0	0
63.75°	1	1	1	1	0	0	0	0	0	0	0
62.5°	1	1	1	1	1	0	0	0	0	0	0
61.25°	1	1	1	1	1	0	0	0	0	0	0
60°	1	1	1	1	1	1	0	0	0	0	0
58.75°	1	1	1	1	1	1	1	0	0	0	0
57.5°	1	1	1	1	1	1	1	0	0	0	0
56.25°	1	1	1	1	1	1	1	1	0	0	0
55°	1	1	1	1	1	1	1	1	0	0	0
53.75°	1	1	1	1	1	1	1	1	1	0	0
52.5°	1	1	1	1	1	1	1	1	1	0	0
51.25°	1	1	1	1	1	1	1	1	1	1	0
50°	1	1	1	1	1	1	1	1	1	1	0
48.75°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	1
46.25°	1	1	1	1	1	1	1	1	1	1	1
45°	1	1	1	1	1	1	1	1	1	1	1
43.75°	1	1	1	1	1	1	1	1	1	1	1
42.5°	1	1	1	1	1	1	1	1	1	1	1
41.25°	1	1	1	1	1	1	1	1	1	1	1
40°	1	1	1	1	1	1	1	1	1	1	1
38.75°	1	1	1	1	1	1	1	1	1	1	1
37.5°	1	1	1	1	1	1	1	1	1	1	1
36.25°	1	1	1	1	1	1	1	1	1	1	1
35°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	1	1	1	1	1	1	1	1	1	1	1
32.5°	1	1	1	1	1	1	1	1	1	1	1
31.25°	1	1	1	1	1	1	1	1	1	1	1
30°	1	1	1	1	1	1	1	1	1	1	1
28.75°	1	1	1	1	1	1	1	1	1	1	1
27.5°	2	1	1	1	1	1	1	1	1	1	1
26.25°	2	1	1	1	1	1	1	1	1	1	1
25°	2	1	1	1	1	1	1	1	1	1	1
23.75°	2	2	1	1	1	1	1	1	1	1	1
22.5°	2	2	1	1	1	1	1	1	1	1	1
21.25°	2	2	1	1	1	1	1	1	1	1	1
20°	2	2	1	1	1	1	1	1	1	1	1
18.75°	2	2	1	1	1	1	1	1	1	1	1
17.5°	2	2	1	1	1	1	1	1	1	1	1
16.25°	2	2	2	1	1	1	1	1	1	1	1
15°	2	2	2	1	1	1	1	1	1	1	1
13.75°	2	2	2	1	1	1	1	1	1	1	1
12.5°	2	2	2	1	1	1	1	1	1	1	1
11.25°	2	2	2	1	1	1	1	1	1	1	1
10°	2	2	2	1	1	1	1	1	1	1	1
8.75°	2	2	2	1	1	1	1	1	1	1	1
7.5°	2	2	2	1	1	1	1	1	1	1	1
6.25°	2	2	2	1	1	1	1	1	1	1	1
5°	2	2	2	1	1	1	1	1	1	1	1
3.75°	2	2	2	1	1	1	1	1	1	1	1
2.5°	2	2	2	1	1	1	1	1	1	1	1
1.25°	2	2	2	1	1	1	1	1	1	1	1
0°	2	2	2	2	1	1	1	1	1	1	1
-1.25°	2	2	2	1	1	1	1	1	1	1	1
-2.5°	2	2	2	1	1	1	1	1	1	1	1
-3.75°	2	2	2	1	1	1	1	1	1	1	1
-5°	2	2	2	1	1	1	1	1	1	1	1
-6.25°	2	2	2	1	1	1	1	1	1	1	1
-7.5°	2	2	2	1	1	1	1	1	1	1	1
-8.75°	2	2	2	1	1	1	1	1	1	1	1
-10°	2	2	2	1	1	1	1	1	1	1	1
-11.25°	2	2	2	1	1	1	1	1	1	1	1
-12.5°	2	2	2	1	1	1	1	1	1	1	1
-13.75°	2	2	2	1	1	1	1	1	1	1	1
-15°	2	2	2	1	1	1	1	1	1	1	1
-16.25°	2	2	2	1	1	1	1	1	1	1	1
-17.5°	2	2	1	1	1	1	1	1	1	1	1
-18.75°	2	2	1	1	1	1	1	1	1	1	1
-20°	2	2	1	1	1	1	1	1	1	1	1
-21.25°	2	2	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	2	2	1	1	1	1	1	1	1	1	1
-23.75°	2	2	1	1	1	1	1	1	1	1	1
-25°	2	1	1	1	1	1	1	1	1	1	1
-26.25°	2	1	1	1	1	1	1	1	1	1	1
-27.5°	2	1	1	1	1	1	1	1	1	1	1
-28.75°	1	1	1	1	1	1	1	1	1	1	1
-30°	1	1	1	1	1	1	1	1	1	1	1
-31.25°	1	1	1	1	1	1	1	1	1	1	1
-32.5°	1	1	1	1	1	1	1	1	1	1	1
-33.75°	1	1	1	1	1	1	1	1	1	1	1
-35°	1	1	1	1	1	1	1	1	1	1	1
-36.25°	1	1	1	1	1	1	1	1	1	1	1
-37.5°	1	1	1	1	1	1	1	1	1	1	1
-38.75°	1	1	1	1	1	1	1	1	1	1	1
-40°	1	1	1	1	1	1	1	1	1	1	1
-41.25°	1	1	1	1	1	1	1	1	1	1	1
-42.5°	1	1	1	1	1	1	1	1	1	1	1
-43.75°	1	1	1	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	1
-46.25°	1	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-48.75°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	0
-51.25°	1	1	1	1	1	1	1	1	1	1	0
-52.5°	1	1	1	1	1	1	1	1	1	0	0
-53.75°	1	1	1	1	1	1	1	1	1	0	0
-55°	1	1	1	1	1	1	1	1	0	0	0
-56.25°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	1	0	0	0	0
-58.75°	1	1	1	1	1	1	1	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-61.25°	1	1	1	1	1	0	0	0	0	0	0
-62.5°	1	1	1	1	1	0	0	0	0	0	0
-63.75°	1	1	1	1	0	0	0	0	0	0	0
-65°	1	1	1	0	0	0	0	0	0	0	0
-66.25°	1	1	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
56.25°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
53.75°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
51.25°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
48.75°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
46.25°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
43.75°	1	0	0	0	0	0	0	0	0	0	0
42.5°	1	0	0	0	0	0	0	0	0	0	0
41.25°	1	0	0	0	0	0	0	0	0	0	0
40°	1	0	0	0	0	0	0	0	0	0	0
38.75°	1	1	0	0	0	0	0	0	0	0	0
37.5°	1	1	0	0	0	0	0	0	0	0	0
36.25°	1	1	0	0	0	0	0	0	0	0	0
35°	1	1	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	1	1	0	0	0	0	0	0	0	0	0
32.5°	1	1	0	0	0	0	0	0	0	0	0
31.25°	1	1	1	0	0	0	0	0	0	0	0
30°	1	1	1	0	0	0	0	0	0	0	0
28.75°	1	1	1	0	0	0	0	0	0	0	0
27.5°	1	1	1	0	0	0	0	0	0	0	0
26.25°	1	1	1	0	0	0	0	0	0	0	0
25°	1	1	1	0	0	0	0	0	0	0	0
23.75°	1	1	1	0	0	0	0	0	0	0	0
22.5°	1	1	1	0	0	0	0	0	0	0	0
21.25°	1	1	1	0	0	0	0	0	0	0	0
20°	1	1	1	0	0	0	0	0	0	0	0
18.75°	1	1	1	1	0	0	0	0	0	0	0
17.5°	1	1	1	1	0	0	0	0	0	0	0
16.25°	1	1	1	1	0	0	0	0	0	0	0
15°	1	1	1	1	0	0	0	0	0	0	0
13.75°	1	1	1	1	0	0	0	0	0	0	0
12.5°	1	1	1	1	0	0	0	0	0	0	0
11.25°	1	1	1	1	0	0	0	0	0	0	0
10°	1	1	1	1	0	0	0	0	0	0	0
8.75°	1	1	1	1	0	0	0	0	0	0	0
7.5°	1	1	1	1	0	0	0	0	0	0	0
6.25°	1	1	1	1	0	0	0	0	0	0	0
5°	1	1	1	1	0	0	0	0	0	0	0
3.75°	1	1	1	1	0	0	0	0	0	0	0
2.5°	1	1	1	1	0	0	0	0	0	0	0
1.25°	1	1	1	1	0	0	0	0	0	0	0
0°	1	1	1	1	0	0	0	0	0	0	0
-1.25°	1	1	1	1	0	0	0	0	0	0	0
-2.5°	1	1	1	1	0	0	0	0	0	0	0
-3.75°	1	1	1	1	0	0	0	0	0	0	0
-5°	1	1	1	1	0	0	0	0	0	0	0
-6.25°	1	1	1	1	0	0	0	0	0	0	0
-7.5°	1	1	1	1	0	0	0	0	0	0	0
-8.75°	1	1	1	1	0	0	0	0	0	0	0
-10°	1	1	1	1	0	0	0	0	0	0	0
-11.25°	1	1	1	1	0	0	0	0	0	0	0
-12.5°	1	1	1	1	0	0	0	0	0	0	0
-13.75°	1	1	1	1	0	0	0	0	0	0	0
-15°	1	1	1	1	0	0	0	0	0	0	0
-16.25°	1	1	1	1	0	0	0	0	0	0	0
-17.5°	1	1	1	1	0	0	0	0	0	0	0
-18.75°	1	1	1	1	0	0	0	0	0	0	0
-20°	1	1	1	0	0	0	0	0	0	0	0
-21.25°	1	1	1	0	0	0	0	0	0	0	0





REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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°	1	1	1	0	0	0	0	0	0	0	0
-23.75°	1	1	1	0	0	0	0	0	0	0	0
-25°	1	1	1	0	0	0	0	0	0	0	0
-26.25°	1	1	1	0	0	0	0	0	0	0	0
-27.5°	1	1	1	0	0	0	0	0	0	0	0
-28.75°	1	1	1	0	0	0	0	0	0	0	0
-30°	1	1	1	0	0	0	0	0	0	0	0
-31.25°	1	1	1	0	0	0	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0	0	0	0	0
-33.75°	1	1	0	0	0	0	0	0	0	0	0
-35°	1	1	0	0	0	0	0	0	0	0	0
-36.25°	1	1	0	0	0	0	0	0	0	0	0
-37.5°	1	1	0	0	0	0	0	0	0	0	0
-38.75°	1	1	0	0	0	0	0	0	0	0	0
-40°	1	0	0	0	0	0	0	0	0	0	0
-41.25°	1	0	0	0	0	0	0	0	0	0	0
-42.5°	1	0	0	0	0	0	0	0	0	0	0
-43.75°	1	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-46.25°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-48.75°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-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	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
90°	0	0
88.75°	0	0
87.5°	0	0
86.25°	0	0
85°	0	0
83.75°	0	0
82.5°	0	0
81.25°	0	0
80°	0	0
78.75°	0	0
77.5°	0	0
76.25°	0	0
75°	0	0
73.75°	0	0
72.5°	0	0
71.25°	0	0
70°	0	0
68.75°	0	0
67.5°	0	0
66.25°	0	0
65°	0	0
63.75°	0	0
62.5°	0	0
61.25°	0	0
60°	0	0
58.75°	0	0
57.5°	0	0
56.25°	0	0
55°	0	0
53.75°	0	0
52.5°	0	0
51.25°	0	0
50°	0	0
48.75°	0	0
47.5°	0	0
46.25°	0	0
45°	0	0
43.75°	0	0
42.5°	0	0
41.25°	0	0
40°	0	0
38.75°	0	0
37.5°	0	0
36.25°	0	0
35°	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	0	0
-23.75°	0	0
-25°	0	0
-26.25°	0	0
-27.5°	0	0
-28.75°	0	0
-30°	0	0
-31.25°	0	0
-32.5°	0	0
-33.75°	0	0
-35°	0	0
-36.25°	0	0
-37.5°	0	0
-38.75°	0	0
-40°	0	0
-41.25°	0	0
-42.5°	0	0
-43.75°	0	0
-45°	0	0
-46.25°	0	0
-47.5°	0	0
-48.75°	0	0
-50°	0	0
-51.25°	0	0
-52.5°	0	0
-53.75°	0	0
-55°	0	0
-56.25°	0	0
-57.5°	0	0
-58.75°	0	0
-60°	0	0
-61.25°	0	0
-62.5°	0	0
-63.75°	0	0
-65°	0	0
-66.25°	0	0
-67.5°	0	0
-68.75°	0	0
-70°	0	0
-71.25°	0	0
-72.5°	0	0
-73.75°	0	0
-75°	0	0
-76.25°	0	0
-77.5°	0	0



REPORT NUMBER: P220664 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-78.75°	0	0
-80°	0	0
-81.25°	0	0
-82.5°	0	0
-83.75°	0	0
-85°	0	0
-86.25°	0	0
-87.5°	0	0
-88.75°	0	0
-90°	0	0

(END OF REPORT)