

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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)  
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-LED4097-F-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD  
OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

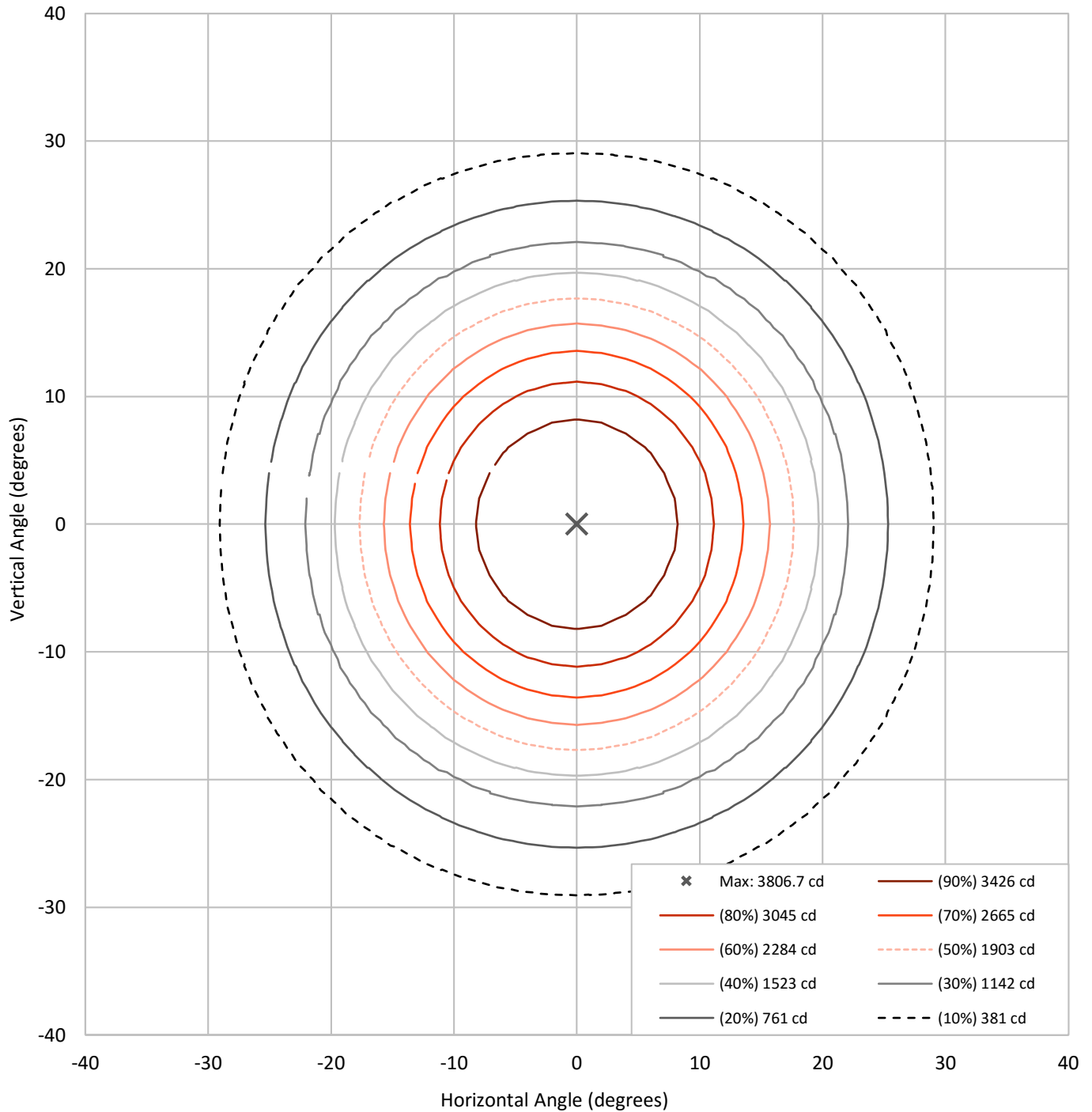
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1416.2 lumens	Max Intensity:	3806.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	70.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.4°H x 35.4°V	Field Angle (10%):	58.1°H x 58.1°V
Beam Lumens:	848.2 lumens	Field Lumens:	1329.3 lumens
Beam Efficiency:	59.9%	Field Efficiency:	93.9%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

### Iso-Candela Plot





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

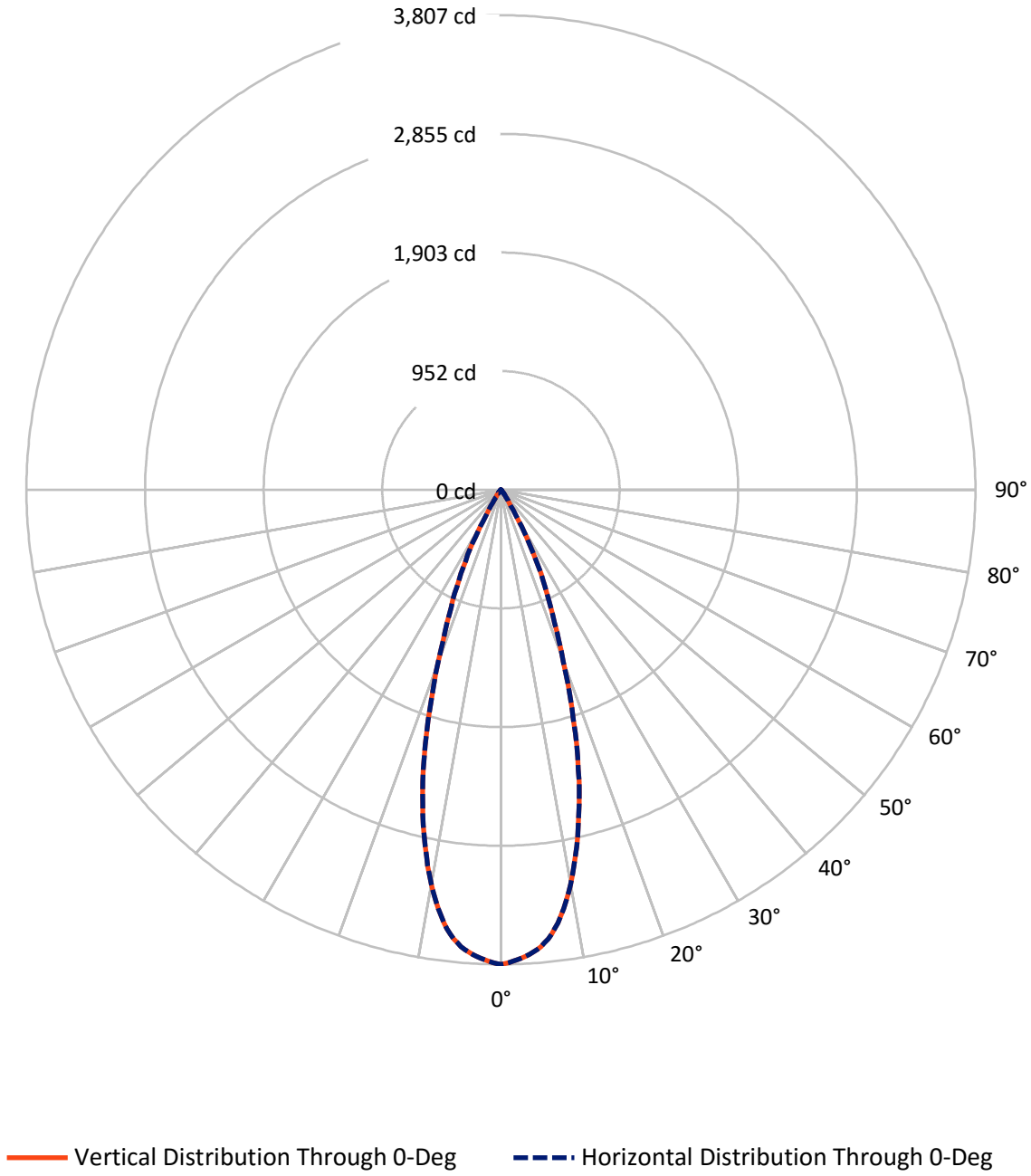
### Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
70	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	0.0	0.0
60		0.0	0.0	0.0	0.1	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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0
40		0.0	0.0	0.1	0.1	0.4	1.2	2.5	2.5	1.2	0.4	0.1	0.1	0.0	
30	0.0	0.0	0.0	0.1	0.4	2.6	12.2	22.7	22.7	12.2	2.6	0.4	0.1	0.0	0.0
20		0.0	0.1	0.1	1.1	11.5	38.7	66.7	66.7	38.7	11.5	1.1	0.1	0.1	
10	0.0	0.0	0.1	0.2	2.1	20.8	64.9	103.6	103.6	64.9	20.8	2.1	0.2	0.1	0.0
0		0.0	0.1	0.2	2.1	20.8	64.9	103.6	103.6	64.9	20.8	2.1	0.2	0.1	
-10	0.0	0.0	0.1	0.1	1.1	11.5	38.7	66.7	66.7	38.7	11.5	1.1	0.1	0.1	0.0
-20		0.0	0.0	0.1	0.4	2.6	12.2	22.7	22.7	12.2	2.6	0.4	0.1	0.0	
-30	0.0	0.0	0.0	0.1	0.1	0.4	1.2	2.5	2.5	1.2	0.4	0.1	0.1	0.0	0.0
-40		0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-80		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	
-90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0

REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

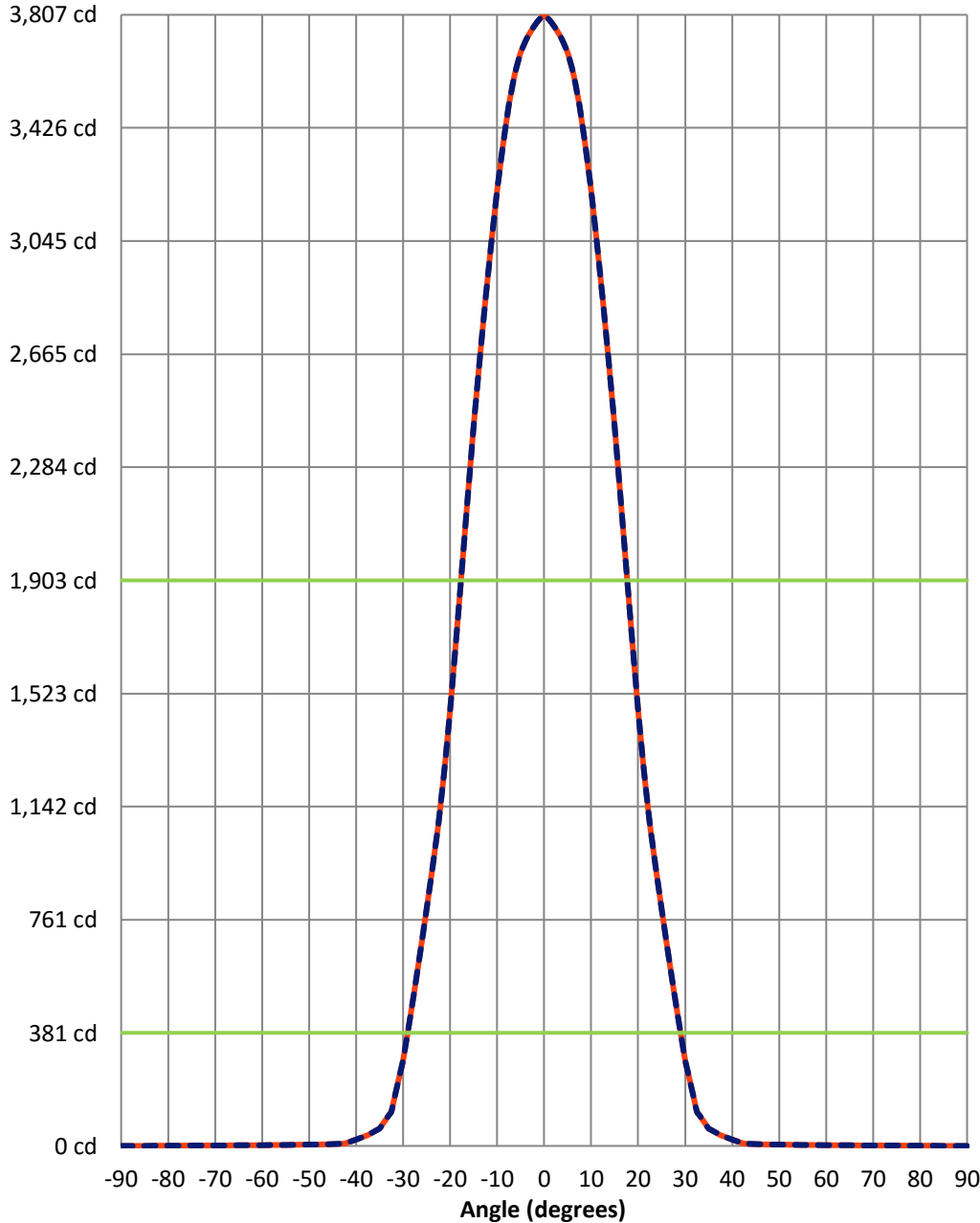
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

### Luminous Intensity Polar Plot



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

### Luminous Intensity Plot



**Beam:**  
 H Angle: 35.4°  
 V Angle: 35.4°  
 Lumens: 848.2  
 Efficiency: 59.9%

**Field:**  
 H Angle: 58.1°  
 V Angle: 58.1°  
 Lumens: 1329.3  
 Efficiency: 93.9%

**Spill:**  
 Lumens: 86.8  
 Efficiency: 6.1%

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



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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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
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	1
56.25°	0	0	0	0	0	0	0	0	0	0	1
55°	0	0	0	0	0	0	0	0	0	0	1
53.75°	0	0	0	0	0	0	0	0	0	1	1
52.5°	0	0	0	0	0	0	0	0	0	1	1
51.25°	0	0	0	0	0	0	0	0	0	1	1
50°	0	0	0	0	0	0	0	0	0	1	1
48.75°	0	0	0	0	0	0	0	0	1	1	1
47.5°	0	0	0	0	0	0	0	0	1	1	1
46.25°	0	0	0	0	0	0	0	0	1	1	1
45°	0	0	0	0	0	0	0	0	1	1	1
43.75°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	0	1	1	1
41.25°	0	0	0	0	0	0	0	1	1	1	1
40°	0	0	0	0	0	0	0	1	1	1	1
38.75°	0	0	0	0	0	0	0	1	1	1	1
37.5°	0	0	0	0	0	0	0	1	1	1	1
36.25°	0	0	0	0	0	0	0	1	1	1	1
35°	0	0	0	0	0	0	0	1	1	1	1



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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	1	1	1	1
32.5°	0	0	0	0	0	0	0	1	1	1	1
31.25°	0	0	0	0	0	0	0	1	1	1	1
30°	0	0	0	0	0	0	0	1	1	1	1
28.75°	0	0	0	0	0	0	1	1	1	1	1
27.5°	0	0	0	0	0	0	1	1	1	1	1
26.25°	0	0	0	0	0	0	1	1	1	1	1
25°	0	0	0	0	0	0	1	1	1	1	1
23.75°	0	0	0	0	0	0	1	1	1	1	1
22.5°	0	0	0	0	0	0	1	1	1	1	1
21.25°	0	0	0	0	0	0	1	1	1	1	1
20°	0	0	0	0	0	0	1	1	1	1	1
18.75°	0	0	0	0	0	0	1	1	1	1	1
17.5°	0	0	0	0	0	0	1	1	1	1	1
16.25°	0	0	0	0	0	0	1	1	1	1	1
15°	0	0	0	0	0	0	1	1	1	1	1
13.75°	0	0	0	0	0	0	1	1	1	1	1
12.5°	0	0	0	0	0	0	1	1	1	1	1
11.25°	0	0	0	0	0	0	1	1	1	1	1
10°	0	0	0	0	0	0	1	1	1	1	1
8.75°	0	0	0	0	0	0	1	1	1	1	1
7.5°	0	0	0	0	0	0	1	1	1	1	1
6.25°	0	0	0	0	0	0	1	1	1	1	1
5°	0	0	0	0	0	0	1	1	1	1	1
3.75°	0	0	0	0	0	0	1	1	1	1	1
2.5°	0	0	0	0	0	0	1	1	1	1	1
1.25°	0	0	0	0	0	0	1	1	1	1	1
0°	0	0	0	0	0	0	1	1	1	1	1
-1.25°	0	0	0	0	0	0	1	1	1	1	1
-2.5°	0	0	0	0	0	0	1	1	1	1	1
-3.75°	0	0	0	0	0	0	1	1	1	1	1
-5°	0	0	0	0	0	0	1	1	1	1	1
-6.25°	0	0	0	0	0	0	1	1	1	1	1
-7.5°	0	0	0	0	0	0	1	1	1	1	1
-8.75°	0	0	0	0	0	0	1	1	1	1	1
-10°	0	0	0	0	0	0	1	1	1	1	1
-11.25°	0	0	0	0	0	0	1	1	1	1	1
-12.5°	0	0	0	0	0	0	1	1	1	1	1
-13.75°	0	0	0	0	0	0	1	1	1	1	1
-15°	0	0	0	0	0	0	1	1	1	1	1
-16.25°	0	0	0	0	0	0	1	1	1	1	1
-17.5°	0	0	0	0	0	0	1	1	1	1	1
-18.75°	0	0	0	0	0	0	1	1	1	1	1
-20°	0	0	0	0	0	0	1	1	1	1	1
-21.25°	0	0	0	0	0	0	1	1	1	1	1





REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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	1	1	1	1	1
-23.75°	0	0	0	0	0	0	1	1	1	1	1
-25°	0	0	0	0	0	0	1	1	1	1	1
-26.25°	0	0	0	0	0	0	1	1	1	1	1
-27.5°	0	0	0	0	0	0	1	1	1	1	1
-28.75°	0	0	0	0	0	0	1	1	1	1	1
-30°	0	0	0	0	0	0	0	1	1	1	1
-31.25°	0	0	0	0	0	0	0	1	1	1	1
-32.5°	0	0	0	0	0	0	0	1	1	1	1
-33.75°	0	0	0	0	0	0	0	1	1	1	1
-35°	0	0	0	0	0	0	0	1	1	1	1
-36.25°	0	0	0	0	0	0	0	1	1	1	1
-37.5°	0	0	0	0	0	0	0	1	1	1	1
-38.75°	0	0	0	0	0	0	0	1	1	1	1
-40°	0	0	0	0	0	0	0	1	1	1	1
-41.25°	0	0	0	0	0	0	0	1	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-43.75°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-46.25°	0	0	0	0	0	0	0	0	1	1	1
-47.5°	0	0	0	0	0	0	0	0	1	1	1
-48.75°	0	0	0	0	0	0	0	0	1	1	1
-50°	0	0	0	0	0	0	0	0	0	1	1
-51.25°	0	0	0	0	0	0	0	0	0	1	1
-52.5°	0	0	0	0	0	0	0	0	0	1	1
-53.75°	0	0	0	0	0	0	0	0	0	1	1
-55°	0	0	0	0	0	0	0	0	0	0	1
-56.25°	0	0	0	0	0	0	0	0	0	0	1
-57.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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	1
73.75°	0	0	0	0	0	0	0	0	0	1	1
72.5°	0	0	0	0	0	0	0	1	1	1	1
71.25°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	0	0	0	1	1	1	1	1	1
68.75°	0	0	0	0	1	1	1	1	1	1	1
67.5°	0	0	0	1	1	1	1	1	1	1	1
66.25°	0	0	0	1	1	1	1	1	1	1	1
65°	0	0	1	1	1	1	1	1	1	1	1
63.75°	0	1	1	1	1	1	1	1	1	1	1
62.5°	0	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	2
53.75°	1	1	1	1	1	1	1	1	1	1	2
52.5°	1	1	1	1	1	1	1	1	1	2	2
51.25°	1	1	1	1	1	1	1	1	1	2	2
50°	1	1	1	1	1	1	1	1	2	2	2
48.75°	1	1	1	1	1	1	1	1	2	2	2
47.5°	1	1	1	1	1	1	1	2	2	2	2
46.25°	1	1	1	1	1	1	1	2	2	2	2
45°	1	1	1	1	1	1	2	2	2	2	2
43.75°	1	1	1	1	1	1	2	2	2	2	2
42.5°	1	1	1	1	1	1	2	2	2	2	2
41.25°	1	1	1	1	1	2	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	1	2	2	2	2	2	2	2



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	1	1	1	1	2	2	2	2	2	2	2
32.5°	1	1	1	2	2	2	2	2	2	2	2
31.25°	1	1	1	2	2	2	2	2	2	2	2
30°	1	1	1	2	2	2	2	2	2	2	2
28.75°	1	1	1	2	2	2	2	2	2	2	2
27.5°	1	1	1	2	2	2	2	2	2	2	2
26.25°	1	1	1	2	2	2	2	2	2	2	2
25°	1	1	2	2	2	2	2	2	2	2	2
23.75°	1	1	2	2	2	2	2	2	2	2	2
22.5°	1	1	2	2	2	2	2	2	2	2	2
21.25°	1	1	2	2	2	2	2	2	2	2	2
20°	1	1	2	2	2	2	2	2	2	2	2
18.75°	1	1	2	2	2	2	2	2	2	2	2
17.5°	1	1	2	2	2	2	2	2	2	2	2
16.25°	1	1	2	2	2	2	2	2	2	2	2
15°	1	1	2	2	2	2	2	2	2	2	2
13.75°	1	1	2	2	2	2	2	2	2	2	2
12.5°	1	1	2	2	2	2	2	2	2	2	2
11.25°	1	2	2	2	2	2	2	2	2	2	2
10°	1	2	2	2	2	2	2	2	2	2	2
8.75°	1	2	2	2	2	2	2	2	2	2	2
7.5°	1	2	2	2	2	2	2	2	2	2	2
6.25°	1	2	2	2	2	2	2	2	2	2	2
5°	1	2	2	2	2	2	2	2	2	2	2
3.75°	1	2	2	2	2	2	2	2	2	2	2
2.5°	1	2	2	2	2	2	2	2	2	2	2
1.25°	1	2	2	2	2	2	2	2	2	2	2
0°	1	2	2	2	2	2	2	2	2	2	2
-1.25°	1	2	2	2	2	2	2	2	2	2	2
-2.5°	1	2	2	2	2	2	2	2	2	2	2
-3.75°	1	2	2	2	2	2	2	2	2	2	2
-5°	1	2	2	2	2	2	2	2	2	2	2
-6.25°	1	2	2	2	2	2	2	2	2	2	2
-7.5°	1	2	2	2	2	2	2	2	2	2	2
-8.75°	1	2	2	2	2	2	2	2	2	2	2
-10°	1	2	2	2	2	2	2	2	2	2	2
-11.25°	1	2	2	2	2	2	2	2	2	2	2
-12.5°	1	1	2	2	2	2	2	2	2	2	2
-13.75°	1	1	2	2	2	2	2	2	2	2	2
-15°	1	1	2	2	2	2	2	2	2	2	2
-16.25°	1	1	2	2	2	2	2	2	2	2	2
-17.5°	1	1	2	2	2	2	2	2	2	2	2
-18.75°	1	1	2	2	2	2	2	2	2	2	2
-20°	1	1	2	2	2	2	2	2	2	2	2
-21.25°	1	1	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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	2	2	2	2	2	2	2	2	2
-23.75°	1	1	2	2	2	2	2	2	2	2	2
-25°	1	1	2	2	2	2	2	2	2	2	2
-26.25°	1	1	1	2	2	2	2	2	2	2	2
-27.5°	1	1	1	2	2	2	2	2	2	2	2
-28.75°	1	1	1	2	2	2	2	2	2	2	2
-30°	1	1	1	2	2	2	2	2	2	2	2
-31.25°	1	1	1	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	1	2	2	2	2	2	2	2
-35°	1	1	1	1	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	2	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	2	2	2	2	2
-45°	1	1	1	1	1	1	2	2	2	2	2
-46.25°	1	1	1	1	1	1	1	2	2	2	2
-47.5°	1	1	1	1	1	1	1	2	2	2	2
-48.75°	1	1	1	1	1	1	1	1	2	2	2
-50°	1	1	1	1	1	1	1	1	2	2	2
-51.25°	1	1	1	1	1	1	1	1	1	2	2
-52.5°	1	1	1	1	1	1	1	1	1	2	2
-53.75°	1	1	1	1	1	1	1	1	1	1	2
-55°	1	1	1	1	1	1	1	1	1	1	2
-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°	0	1	1	1	1	1	1	1	1	1	1
-63.75°	0	1	1	1	1	1	1	1	1	1	1
-65°	0	0	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	1	1	1	1	1	1	1	1
-67.5°	0	0	0	1	1	1	1	1	1	1	1
-68.75°	0	0	0	0	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	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	1	1
-75°	0	0	0	0	0	0	0	0	0	0	1
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
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	1	1	1	1
77.5°	0	0	0	0	1	1	1	1	1	1	1
76.25°	0	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	2
65°	1	1	1	1	1	1	1	1	2	2	2
63.75°	1	1	1	1	1	1	2	2	2	2	2
62.5°	1	1	1	1	1	2	2	2	2	2	2
61.25°	1	1	1	1	2	2	2	2	2	2	2
60°	1	1	1	2	2	2	2	2	2	2	2
58.75°	1	1	2	2	2	2	2	2	2	2	2
57.5°	1	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	2	2
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°	2	2	2	2	2	2	2	2	2	2	2
46.25°	2	2	2	2	2	2	2	2	2	2	2
45°	2	2	2	2	2	2	2	2	2	2	2
43.75°	2	2	2	2	2	2	2	2	2	2	2
42.5°	2	2	2	2	2	2	2	2	2	2	2
41.25°	2	2	2	2	2	2	2	2	2	2	2
40°	2	2	2	2	2	2	2	2	2	2	2
38.75°	2	2	2	2	2	2	2	2	2	2	2
37.5°	2	2	2	2	2	2	2	2	2	2	3
36.25°	2	2	2	2	2	2	2	2	2	3	3
35°	2	2	2	2	2	2	2	2	2	3	3



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	2	2	2	2	2	2	2	2	3	3	3
32.5°	2	2	2	2	2	2	2	2	3	3	3
31.25°	2	2	2	2	2	2	2	3	3	3	3
30°	2	2	2	2	2	2	2	3	3	3	3
28.75°	2	2	2	2	2	2	2	3	3	3	3
27.5°	2	2	2	2	2	2	3	3	3	3	3
26.25°	2	2	2	2	2	2	3	3	3	3	3
25°	2	2	2	2	2	2	3	3	3	3	3
23.75°	2	2	2	2	2	3	3	3	3	3	4
22.5°	2	2	2	2	2	3	3	3	3	3	4
21.25°	2	2	2	2	2	3	3	3	3	3	4
20°	2	2	2	2	3	3	3	3	3	4	4
18.75°	2	2	2	2	3	3	3	3	3	4	4
17.5°	2	2	2	2	3	3	3	3	3	4	4
16.25°	2	2	2	2	3	3	3	3	3	4	4
15°	2	2	2	2	3	3	3	3	4	4	4
13.75°	2	2	2	2	3	3	3	3	4	4	4
12.5°	2	2	2	3	3	3	3	3	4	4	4
11.25°	2	2	2	3	3	3	3	3	4	4	5
10°	2	2	2	3	3	3	3	3	4	4	5
8.75°	2	2	2	3	3	3	3	3	4	4	5
7.5°	2	2	2	3	3	3	3	3	4	4	5
6.25°	2	2	2	3	3	3	3	4	4	4	5
5°	2	2	2	3	3	3	3	4	4	4	5
3.75°	2	2	2	3	3	3	3	4	4	4	5
2.5°	2	2	2	3	3	3	3	4	4	4	5
1.25°	2	2	2	3	3	3	3	4	4	4	5
0°	2	2	2	3	3	3	3	4	4	4	5
-1.25°	2	2	2	3	3	3	3	4	4	4	5
-2.5°	2	2	2	3	3	3	3	4	4	4	5
-3.75°	2	2	2	3	3	3	3	4	4	4	5
-5°	2	2	2	3	3	3	3	4	4	4	5
-6.25°	2	2	2	3	3	3	3	4	4	4	5
-7.5°	2	2	2	3	3	3	3	3	4	4	5
-8.75°	2	2	2	3	3	3	3	3	4	4	5
-10°	2	2	2	3	3	3	3	3	4	4	5
-11.25°	2	2	2	3	3	3	3	3	4	4	5
-12.5°	2	2	2	3	3	3	3	3	4	4	4
-13.75°	2	2	2	2	3	3	3	3	4	4	4
-15°	2	2	2	2	3	3	3	3	4	4	4
-16.25°	2	2	2	2	3	3	3	3	3	4	4
-17.5°	2	2	2	2	3	3	3	3	3	4	4
-18.75°	2	2	2	2	3	3	3	3	3	4	4
-20°	2	2	2	2	3	3	3	3	3	4	4
-21.25°	2	2	2	2	2	3	3	3	3	3	4





REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	2	2	2	2	3	3	3	3	3	4
-23.75°	2	2	2	2	2	3	3	3	3	3	4
-25°	2	2	2	2	2	2	3	3	3	3	3
-26.25°	2	2	2	2	2	2	3	3	3	3	3
-27.5°	2	2	2	2	2	2	3	3	3	3	3
-28.75°	2	2	2	2	2	2	2	3	3	3	3
-30°	2	2	2	2	2	2	2	3	3	3	3
-31.25°	2	2	2	2	2	2	2	3	3	3	3
-32.5°	2	2	2	2	2	2	2	2	3	3	3
-33.75°	2	2	2	2	2	2	2	2	3	3	3
-35°	2	2	2	2	2	2	2	2	2	3	3
-36.25°	2	2	2	2	2	2	2	2	2	3	3
-37.5°	2	2	2	2	2	2	2	2	2	2	3
-38.75°	2	2	2	2	2	2	2	2	2	2	2
-40°	2	2	2	2	2	2	2	2	2	2	2
-41.25°	2	2	2	2	2	2	2	2	2	2	2
-42.5°	2	2	2	2	2	2	2	2	2	2	2
-43.75°	2	2	2	2	2	2	2	2	2	2	2
-45°	2	2	2	2	2	2	2	2	2	2	2
-46.25°	2	2	2	2	2	2	2	2	2	2	2
-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°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-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°	1	2	2	2	2	2	2	2	2	2	2
-58.75°	1	1	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	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	2	2	2	2	2
-65°	1	1	1	1	1	1	1	1	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	2
-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°	0	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	1	1	1	1	1	1	1



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	0	0	0	0	0	0	0	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
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	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
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	2	2
70°	1	1	1	1	1	1	2	2	2	2	2
68.75°	1	1	1	2	2	2	2	2	2	2	2
67.5°	1	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
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	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	2	2
51.25°	2	2	2	2	2	2	2	2	2	2	3
50°	2	2	2	2	2	2	2	2	2	3	3
48.75°	2	2	2	2	2	2	2	3	3	3	3
47.5°	2	2	2	2	2	2	3	3	3	3	3
46.25°	2	2	2	2	2	3	3	3	3	3	3
45°	2	2	2	2	3	3	3	3	3	3	3
43.75°	2	2	2	3	3	3	3	3	3	3	3
42.5°	2	2	3	3	3	3	3	3	3	3	4
41.25°	2	3	3	3	3	3	3	3	3	4	4
40°	3	3	3	3	3	3	3	3	4	4	4
38.75°	3	3	3	3	3	3	3	4	4	4	4
37.5°	3	3	3	3	3	3	4	4	4	4	5
36.25°	3	3	3	3	3	4	4	4	4	5	5
35°	3	3	3	3	4	4	4	4	5	5	5



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	3	3	3	4	4	4	4	5	5	5	5
32.5°	3	3	3	4	4	4	5	5	5	5	5
31.25°	3	3	4	4	4	5	5	5	5	5	5
30°	3	3	4	4	4	5	5	5	5	5	6
28.75°	3	4	4	4	5	5	5	5	5	6	6
27.5°	3	4	4	4	5	5	5	5	6	6	7
26.25°	4	4	4	5	5	5	5	5	6	7	7
25°	4	4	4	5	5	5	5	6	6	7	8
23.75°	4	4	5	5	5	5	5	6	7	7	8
22.5°	4	4	5	5	5	5	6	6	7	8	11
21.25°	4	4	5	5	5	5	6	7	7	9	15
20°	4	5	5	5	5	6	6	7	8	12	17
18.75°	4	5	5	5	5	6	7	7	8	14	20
17.5°	4	5	5	5	5	6	7	8	11	17	23
16.25°	5	5	5	5	6	6	7	8	13	19	26
15°	5	5	5	5	6	7	7	9	15	22	28
13.75°	5	5	5	5	6	7	8	11	17	24	31
12.5°	5	5	5	5	6	7	8	13	19	26	33
11.25°	5	5	5	6	6	7	8	14	21	28	35
10°	5	5	5	6	7	7	9	16	22	30	37
8.75°	5	5	5	6	7	7	11	17	24	31	40
7.5°	5	5	5	6	7	8	12	18	25	33	42
6.25°	5	5	5	6	7	8	13	19	26	34	43
5°	5	5	5	6	7	8	13	20	27	35	45
3.75°	5	5	5	6	7	8	14	21	28	36	46
2.5°	5	5	6	6	7	8	14	21	29	36	47
1.25°	5	5	6	6	7	8	15	21	29	36	47
0°	5	5	6	6	7	8	15	21	29	37	48
-1.25°	5	5	6	6	7	8	15	21	29	36	47
-2.5°	5	5	6	6	7	8	14	21	29	36	47
-3.75°	5	5	5	6	7	8	14	21	28	36	46
-5°	5	5	5	6	7	8	13	20	27	35	45
-6.25°	5	5	5	6	7	8	13	19	26	34	43
-7.5°	5	5	5	6	7	8	12	18	25	33	42
-8.75°	5	5	5	6	7	7	11	17	24	31	40
-10°	5	5	5	6	7	7	9	16	22	30	37
-11.25°	5	5	5	6	6	7	8	14	21	28	35
-12.5°	5	5	5	5	6	7	8	13	19	26	33
-13.75°	5	5	5	5	6	7	8	11	17	24	31
-15°	5	5	5	5	6	7	7	9	15	22	28
-16.25°	5	5	5	5	6	6	7	8	13	19	26
-17.5°	4	5	5	5	5	6	7	8	11	17	23
-18.75°	4	5	5	5	5	6	7	7	8	14	20
-20°	4	5	5	5	5	6	6	7	8	12	17
-21.25°	4	4	5	5	5	5	6	7	7	9	15



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	4	4	5	5	5	5	6	6	7	8	11
-23.75°	4	4	5	5	5	5	5	6	7	7	8
-25°	4	4	4	5	5	5	5	6	6	7	8
-26.25°	4	4	4	5	5	5	5	5	6	7	7
-27.5°	3	4	4	4	5	5	5	5	6	6	7
-28.75°	3	4	4	4	5	5	5	5	5	6	6
-30°	3	3	4	4	4	5	5	5	5	5	6
-31.25°	3	3	4	4	4	5	5	5	5	5	5
-32.5°	3	3	3	4	4	4	5	5	5	5	5
-33.75°	3	3	3	4	4	4	4	5	5	5	5
-35°	3	3	3	3	4	4	4	4	5	5	5
-36.25°	3	3	3	3	3	4	4	4	4	5	5
-37.5°	3	3	3	3	3	3	4	4	4	4	5
-38.75°	3	3	3	3	3	3	3	4	4	4	4
-40°	3	3	3	3	3	3	3	3	4	4	4
-41.25°	2	3	3	3	3	3	3	3	3	4	4
-42.5°	2	2	3	3	3	3	3	3	3	3	4
-43.75°	2	2	2	3	3	3	3	3	3	3	3
-45°	2	2	2	2	3	3	3	3	3	3	3
-46.25°	2	2	2	2	2	3	3	3	3	3	3
-47.5°	2	2	2	2	2	2	3	3	3	3	3
-48.75°	2	2	2	2	2	2	2	3	3	3	3
-50°	2	2	2	2	2	2	2	2	2	3	3
-51.25°	2	2	2	2	2	2	2	2	2	2	3
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-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°	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°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	2	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	2	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	2	2
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	0	0	0	0	0	0	1	1	1	1	1
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
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	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
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	2	2	2
72.5°	1	1	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
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	2	2	2	3	3
55°	2	2	2	2	2	2	3	3	3	3	3
53.75°	2	2	2	3	3	3	3	3	3	3	3
52.5°	2	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	4	4
48.75°	3	3	3	3	3	3	3	4	4	4	4
47.5°	3	3	3	3	3	4	4	4	4	4	4
46.25°	3	3	3	4	4	4	4	4	4	5	5
45°	3	4	4	4	4	4	4	5	5	5	5
43.75°	4	4	4	4	4	5	5	5	5	5	5
42.5°	4	4	4	5	5	5	5	5	5	5	5
41.25°	4	4	5	5	5	5	5	5	5	5	6
40°	4	5	5	5	5	5	5	5	6	6	6
38.75°	5	5	5	5	5	5	6	6	6	7	7
37.5°	5	5	5	5	5	6	6	7	7	7	8
36.25°	5	5	5	5	6	6	7	7	8	8	11
35°	5	5	6	6	6	7	7	8	10	14	17



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	5	6	6	6	7	7	8	12	15	19	23
32.5°	6	6	7	7	8	9	13	17	21	25	29
31.25°	6	6	7	8	9	14	18	22	26	30	35
30°	6	7	8	9	14	18	23	27	32	36	42
28.75°	7	7	9	14	18	23	28	33	38	44	51
27.5°	7	8	13	18	23	28	33	38	45	52	59
26.25°	8	12	17	22	27	33	38	46	53	63	81
25°	10	15	21	26	32	38	45	53	64	83	101
23.75°	14	19	25	30	36	44	52	63	83	102	132
22.5°	17	23	29	35	42	51	59	81	101	132	192
21.25°	20	26	32	39	48	57	76	98	125	189	250
20°	23	30	36	45	54	69	92	114	178	243	312
18.75°	27	33	41	50	61	84	107	160	228	297	386
17.5°	30	36	46	55	74	98	135	206	276	365	459
16.25°	33	41	50	62	87	112	177	250	333	431	532
15°	35	45	55	74	99	142	217	292	392	496	602
13.75°	38	49	59	85	110	177	254	345	450	559	670
12.5°	42	52	68	95	131	211	289	395	505	618	735
11.25°	45	55	77	104	161	241	332	442	556	674	795
10°	48	58	85	112	187	269	371	485	604	726	851
8.75°	50	65	92	127	211	295	407	525	647	773	902
7.5°	53	71	98	147	231	324	439	560	686	815	947
6.25°	54	76	104	164	249	349	467	591	719	852	985
5°	56	80	108	178	263	369	490	616	747	882	1017
3.75°	57	83	111	189	275	386	508	637	769	906	1045
2.5°	58	85	114	196	283	398	522	651	785	923	1066
1.25°	59	87	115	201	288	405	530	660	795	933	1078
0°	59	87	116	203	289	408	532	663	798	936	1082
-1.25°	59	87	115	201	288	405	530	660	795	933	1078
-2.5°	58	85	114	196	283	398	522	651	785	923	1066
-3.75°	57	83	111	189	275	386	508	637	769	906	1045
-5°	56	80	108	178	263	369	490	616	747	882	1017
-6.25°	54	76	104	164	249	349	467	591	719	852	985
-7.5°	53	71	98	147	231	324	439	560	686	815	947
-8.75°	50	65	92	127	211	295	407	525	647	773	902
-10°	48	58	85	112	187	269	371	485	604	726	851
-11.25°	45	55	77	104	161	241	332	442	556	674	795
-12.5°	42	52	68	95	131	211	289	395	505	618	735
-13.75°	38	49	59	85	110	177	254	345	450	559	670
-15°	35	45	55	74	99	142	217	292	392	496	602
-16.25°	33	41	50	62	87	112	177	250	333	431	532
-17.5°	30	36	46	55	74	98	135	206	276	365	459
-18.75°	27	33	41	50	61	84	107	160	228	297	386
-20°	23	30	36	45	54	69	92	114	178	243	312
-21.25°	20	26	32	39	48	57	76	98	125	189	250





REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	17	23	29	35	42	51	59	81	101	132	192
-23.75°	14	19	25	30	36	44	52	63	83	102	132
-25°	10	15	21	26	32	38	45	53	64	83	101
-26.25°	8	12	17	22	27	33	38	46	53	63	81
-27.5°	7	8	13	18	23	28	33	38	45	52	59
-28.75°	7	7	9	14	18	23	28	33	38	44	51
-30°	6	7	8	9	14	18	23	27	32	36	42
-31.25°	6	6	7	8	9	14	18	22	26	30	35
-32.5°	6	6	7	7	8	9	13	17	21	25	29
-33.75°	5	6	6	6	7	7	8	12	15	19	23
-35°	5	5	6	6	6	7	7	8	10	14	17
-36.25°	5	5	5	5	6	6	7	7	8	8	11
-37.5°	5	5	5	5	5	6	6	7	7	7	8
-38.75°	5	5	5	5	5	5	6	6	6	7	7
-40°	4	5	5	5	5	5	5	5	6	6	6
-41.25°	4	4	5	5	5	5	5	5	5	5	6
-42.5°	4	4	4	5	5	5	5	5	5	5	5
-43.75°	4	4	4	4	4	5	5	5	5	5	5
-45°	3	4	4	4	4	4	4	5	5	5	5
-46.25°	3	3	3	4	4	4	4	4	4	5	5
-47.5°	3	3	3	3	3	4	4	4	4	4	4
-48.75°	3	3	3	3	3	3	3	4	4	4	4
-50°	3	3	3	3	3	3	3	3	3	4	4
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	2	3	3	3	3	3	3	3	3	3	3
-53.75°	2	2	2	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	3	3
-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°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	2	2	2	2	2	2	2	2	2
-73.75°	1	1	1	1	1	1	1	1	2	2	2
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	0	0	1	1	1	1	1	1
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
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°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
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	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
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	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
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	4	4	4	4	4	4
51.25°	3	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	5	5	5
48.75°	4	4	4	4	5	5	5	5	5	5	5
47.5°	4	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	5	5	5	5	5	5	5	5	6	6	6
43.75°	5	5	5	5	6	6	6	6	6	7	7
42.5°	5	6	6	6	6	7	7	7	7	7	7
41.25°	6	6	7	7	7	7	8	8	8	9	11
40°	7	7	7	8	8	9	11	13	14	16	17
38.75°	7	8	8	11	13	15	17	19	21	22	24
37.5°	9	12	14	17	19	22	24	26	28	30	31
36.25°	15	17	20	23	26	28	31	33	35	37	40
35°	20	23	27	30	33	35	38	42	45	48	50



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	26	30	33	36	41	45	49	52	55	58	65
32.5°	32	36	41	46	50	55	59	68	77	85	92
31.25°	39	45	50	55	62	74	85	95	104	112	127
30°	48	54	61	74	87	99	110	131	161	187	211
28.75°	57	69	84	98	112	142	177	211	241	269	295
27.5°	76	92	107	135	177	217	254	289	332	371	407
26.25°	98	114	160	206	250	292	345	395	442	485	525
25°	125	178	228	276	333	392	450	505	556	604	647
23.75°	189	243	297	365	431	496	559	618	674	726	773
22.5°	250	312	386	459	532	602	670	735	795	851	902
21.25°	318	397	476	556	634	710	783	852	917	976	1031
20°	397	482	568	653	737	818	896	969	1040	1112	1182
18.75°	476	568	660	751	840	926	1007	1094	1182	1272	1360
17.5°	556	653	751	847	941	1032	1130	1237	1346	1454	1558
16.25°	634	737	840	941	1041	1149	1271	1399	1526	1649	1765
15°	710	818	926	1032	1149	1283	1426	1571	1713	1847	1976
13.75°	783	896	1007	1130	1271	1426	1586	1745	1900	2049	2184
12.5°	852	969	1094	1237	1399	1571	1745	1918	2086	2242	2381
11.25°	917	1040	1182	1346	1526	1713	1900	2086	2260	2421	2559
10°	976	1112	1272	1454	1649	1847	2049	2242	2421	2578	2722
8.75°	1031	1182	1360	1558	1765	1976	2184	2381	2559	2722	2868
7.5°	1085	1250	1442	1652	1869	2091	2304	2501	2682	2848	2999
6.25°	1132	1311	1517	1736	1963	2190	2407	2605	2789	2958	3112
5°	1175	1366	1581	1806	2042	2273	2490	2690	2876	3050	3206
3.75°	1212	1410	1631	1863	2104	2337	2554	2759	2946	3122	3277
2.5°	1238	1441	1668	1905	2149	2384	2602	2806	2996	3173	3329
1.25°	1253	1461	1691	1931	2176	2413	2630	2835	3027	3205	3360
0°	1259	1467	1698	1939	2185	2422	2639	2845	3038	3216	3370
-1.25°	1253	1461	1691	1931	2176	2413	2630	2835	3027	3205	3360
-2.5°	1238	1441	1668	1905	2149	2384	2602	2806	2996	3173	3329
-3.75°	1212	1410	1631	1863	2104	2337	2554	2759	2946	3122	3277
-5°	1175	1366	1581	1806	2042	2273	2490	2690	2876	3050	3206
-6.25°	1132	1311	1517	1736	1963	2190	2407	2605	2789	2958	3112
-7.5°	1085	1250	1442	1652	1869	2091	2304	2501	2682	2848	2999
-8.75°	1031	1182	1360	1558	1765	1976	2184	2381	2559	2722	2868
-10°	976	1112	1272	1454	1649	1847	2049	2242	2421	2578	2722
-11.25°	917	1040	1182	1346	1526	1713	1900	2086	2260	2421	2559
-12.5°	852	969	1094	1237	1399	1571	1745	1918	2086	2242	2381
-13.75°	783	896	1007	1130	1271	1426	1586	1745	1900	2049	2184
-15°	710	818	926	1032	1149	1283	1426	1571	1713	1847	1976
-16.25°	634	737	840	941	1041	1149	1271	1399	1526	1649	1765
-17.5°	556	653	751	847	941	1032	1130	1237	1346	1454	1558
-18.75°	476	568	660	751	840	926	1007	1094	1182	1272	1360
-20°	397	482	568	653	737	818	896	969	1040	1112	1182
-21.25°	318	397	476	556	634	710	783	852	917	976	1031



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	250	312	386	459	532	602	670	735	795	851	902
-23.75°	189	243	297	365	431	496	559	618	674	726	773
-25°	125	178	228	276	333	392	450	505	556	604	647
-26.25°	98	114	160	206	250	292	345	395	442	485	525
-27.5°	76	92	107	135	177	217	254	289	332	371	407
-28.75°	57	69	84	98	112	142	177	211	241	269	295
-30°	48	54	61	74	87	99	110	131	161	187	211
-31.25°	39	45	50	55	62	74	85	95	104	112	127
-32.5°	32	36	41	46	50	55	59	68	77	85	92
-33.75°	26	30	33	36	41	45	49	52	55	58	65
-35°	20	23	27	30	33	35	38	42	45	48	50
-36.25°	15	17	20	23	26	28	31	33	35	37	40
-37.5°	9	12	14	17	19	22	24	26	28	30	31
-38.75°	7	8	8	11	13	15	17	19	21	22	24
-40°	7	7	7	8	8	9	11	13	14	16	17
-41.25°	6	6	7	7	7	7	8	8	8	9	11
-42.5°	5	6	6	6	6	7	7	7	7	7	7
-43.75°	5	5	5	5	6	6	6	6	6	7	7
-45°	5	5	5	5	5	5	5	5	6	6	6
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	4	5	5	5	5	5	5	5	5	5	5
-48.75°	4	4	4	4	5	5	5	5	5	5	5
-50°	4	4	4	4	4	4	4	4	5	5	5
-51.25°	3	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	3	3	4	4	4	4	4	4
-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°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	2	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	3	3	3	3
-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°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	1	1	1	1	1	1	1	1	2	2	2
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
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°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
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°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
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°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	5	5	5	5	5	5	5	5	5	5	5
48.75°	5	5	5	5	5	5	5	5	5	5	5
47.5°	5	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	6	6	6	6	6	5	5
45°	6	6	6	6	6	6	6	6	6	6	6
43.75°	7	7	7	7	7	7	7	7	7	7	7
42.5°	8	8	8	8	8	8	8	8	8	8	8
41.25°	12	13	13	14	14	15	15	15	14	14	13
40°	18	19	20	21	21	21	21	21	21	21	20
38.75°	25	26	27	28	29	29	29	29	29	28	27
37.5°	33	34	35	36	36	36	37	36	36	36	35
36.25°	42	43	45	46	47	47	48	47	47	46	45
35°	53	54	56	57	58	59	59	59	58	57	56



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	71	76	80	83	85	87	87	87	85	83	80
32.5°	98	104	108	111	114	115	116	115	114	111	108
31.25°	147	164	178	189	196	201	203	201	196	189	178
30°	231	249	263	275	283	288	289	288	283	275	263
28.75°	324	349	369	386	398	405	408	405	398	386	369
27.5°	439	467	490	508	522	530	532	530	522	508	490
26.25°	560	591	616	637	651	660	663	660	651	637	616
25°	686	719	747	769	785	795	798	795	785	769	747
23.75°	815	852	882	906	923	933	936	933	923	906	882
22.5°	947	985	1017	1045	1066	1078	1082	1078	1066	1045	1017
21.25°	1085	1132	1175	1212	1238	1253	1259	1253	1238	1212	1175
20°	1250	1311	1366	1410	1441	1461	1467	1461	1441	1410	1366
18.75°	1442	1517	1581	1631	1668	1691	1698	1691	1668	1631	1581
17.5°	1652	1736	1806	1863	1905	1931	1939	1931	1905	1863	1806
16.25°	1869	1963	2042	2104	2149	2176	2185	2176	2149	2104	2042
15°	2091	2190	2273	2337	2384	2413	2422	2413	2384	2337	2273
13.75°	2304	2407	2490	2554	2602	2630	2639	2630	2602	2554	2490
12.5°	2501	2605	2690	2759	2806	2835	2845	2835	2806	2759	2690
11.25°	2682	2789	2876	2946	2996	3027	3038	3027	2996	2946	2876
10°	2848	2958	3050	3122	3173	3205	3216	3205	3173	3122	3050
8.75°	2999	3112	3206	3277	3329	3360	3370	3360	3329	3277	3206
7.5°	3133	3247	3341	3412	3465	3494	3504	3494	3465	3412	3341
6.25°	3247	3361	3456	3525	3573	3599	3609	3599	3573	3525	3456
5°	3341	3456	3546	3609	3649	3672	3680	3672	3649	3609	3546
3.75°	3412	3525	3609	3664	3699	3720	3726	3720	3699	3664	3609
2.5°	3465	3573	3649	3699	3732	3753	3760	3753	3732	3699	3649
1.25°	3494	3599	3672	3720	3753	3776	3788	3776	3753	3720	3672
0°	3504	3609	3680	3726	3760	3788	3807	3788	3760	3726	3680
-1.25°	3494	3599	3672	3720	3753	3776	3788	3776	3753	3720	3672
-2.5°	3465	3573	3649	3699	3732	3753	3760	3753	3732	3699	3649
-3.75°	3412	3525	3609	3664	3699	3720	3726	3720	3699	3664	3609
-5°	3341	3456	3546	3609	3649	3672	3680	3672	3649	3609	3546
-6.25°	3247	3361	3456	3525	3573	3599	3609	3599	3573	3525	3456
-7.5°	3133	3247	3341	3412	3465	3494	3504	3494	3465	3412	3341
-8.75°	2999	3112	3206	3277	3329	3360	3370	3360	3329	3277	3206
-10°	2848	2958	3050	3122	3173	3205	3216	3205	3173	3122	3050
-11.25°	2682	2789	2876	2946	2996	3027	3038	3027	2996	2946	2876
-12.5°	2501	2605	2690	2759	2806	2835	2845	2835	2806	2759	2690
-13.75°	2304	2407	2490	2554	2602	2630	2639	2630	2602	2554	2490
-15°	2091	2190	2273	2337	2384	2413	2422	2413	2384	2337	2273
-16.25°	1869	1963	2042	2104	2149	2176	2185	2176	2149	2104	2042
-17.5°	1652	1736	1806	1863	1905	1931	1939	1931	1905	1863	1806
-18.75°	1442	1517	1581	1631	1668	1691	1698	1691	1668	1631	1581
-20°	1250	1311	1366	1410	1441	1461	1467	1461	1441	1410	1366
-21.25°	1085	1132	1175	1212	1238	1253	1259	1253	1238	1212	1175





REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	947	985	1017	1045	1066	1078	1082	1078	1066	1045	1017
-23.75°	815	852	882	906	923	933	936	933	923	906	882
-25°	686	719	747	769	785	795	798	795	785	769	747
-26.25°	560	591	616	637	651	660	663	660	651	637	616
-27.5°	439	467	490	508	522	530	532	530	522	508	490
-28.75°	324	349	369	386	398	405	408	405	398	386	369
-30°	231	249	263	275	283	288	289	288	283	275	263
-31.25°	147	164	178	189	196	201	203	201	196	189	178
-32.5°	98	104	108	111	114	115	116	115	114	111	108
-33.75°	71	76	80	83	85	87	87	87	85	83	80
-35°	53	54	56	57	58	59	59	59	58	57	56
-36.25°	42	43	45	46	47	47	48	47	47	46	45
-37.5°	33	34	35	36	36	36	37	36	36	36	35
-38.75°	25	26	27	28	29	29	29	29	29	28	27
-40°	18	19	20	21	21	21	21	21	21	21	20
-41.25°	12	13	13	14	14	15	15	15	14	14	13
-42.5°	8	8	8	8	8	8	8	8	8	8	8
-43.75°	7	7	7	7	7	7	7	7	7	7	7
-45°	6	6	6	6	6	6	6	6	6	6	6
-46.25°	5	5	5	5	6	6	6	6	6	5	5
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	3	4	4	4	4	4	4	4	4	4	4
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-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°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
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°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
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°	2	2	2	2	2	1	1	1	1	1	1
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
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°	3	3	3	3	3	3	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	4	3	3	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	3	3	3
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	5	5	5	5	5	4	4	4	4	4	4
48.75°	5	5	5	5	5	5	5	5	5	4	4
47.5°	5	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	6	6	6	6	6	5	5	5	5	5	5
43.75°	7	7	7	7	6	6	6	6	6	5	5
42.5°	8	8	7	7	7	7	7	7	6	6	6
41.25°	13	12	11	9	8	8	8	7	7	7	7
40°	19	18	17	16	14	13	11	9	8	8	7
38.75°	26	25	24	22	21	19	17	15	13	11	8
37.5°	34	33	31	30	28	26	24	22	19	17	14
36.25°	43	42	40	37	35	33	31	28	26	23	20
35°	54	53	50	48	45	42	38	35	33	30	27



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	76	71	65	58	55	52	49	45	41	36	33
32.5°	104	98	92	85	77	68	59	55	50	46	41
31.25°	164	147	127	112	104	95	85	74	62	55	50
30°	249	231	211	187	161	131	110	99	87	74	61
28.75°	349	324	295	269	241	211	177	142	112	98	84
27.5°	467	439	407	371	332	289	254	217	177	135	107
26.25°	591	560	525	485	442	395	345	292	250	206	160
25°	719	686	647	604	556	505	450	392	333	276	228
23.75°	852	815	773	726	674	618	559	496	431	365	297
22.5°	985	947	902	851	795	735	670	602	532	459	386
21.25°	1132	1085	1031	976	917	852	783	710	634	556	476
20°	1311	1250	1182	1112	1040	969	896	818	737	653	568
18.75°	1517	1442	1360	1272	1182	1094	1007	926	840	751	660
17.5°	1736	1652	1558	1454	1346	1237	1130	1032	941	847	751
16.25°	1963	1869	1765	1649	1526	1399	1271	1149	1041	941	840
15°	2190	2091	1976	1847	1713	1571	1426	1283	1149	1032	926
13.75°	2407	2304	2184	2049	1900	1745	1586	1426	1271	1130	1007
12.5°	2605	2501	2381	2242	2086	1918	1745	1571	1399	1237	1094
11.25°	2789	2682	2559	2421	2260	2086	1900	1713	1526	1346	1182
10°	2958	2848	2722	2578	2421	2242	2049	1847	1649	1454	1272
8.75°	3112	2999	2868	2722	2559	2381	2184	1976	1765	1558	1360
7.5°	3247	3133	2999	2848	2682	2501	2304	2091	1869	1652	1442
6.25°	3361	3247	3112	2958	2789	2605	2407	2190	1963	1736	1517
5°	3456	3341	3206	3050	2876	2690	2490	2273	2042	1806	1581
3.75°	3525	3412	3277	3122	2946	2759	2554	2337	2104	1863	1631
2.5°	3573	3465	3329	3173	2996	2806	2602	2384	2149	1905	1668
1.25°	3599	3494	3360	3205	3027	2835	2630	2413	2176	1931	1691
0°	3609	3504	3370	3216	3038	2845	2639	2422	2185	1939	1698
-1.25°	3599	3494	3360	3205	3027	2835	2630	2413	2176	1931	1691
-2.5°	3573	3465	3329	3173	2996	2806	2602	2384	2149	1905	1668
-3.75°	3525	3412	3277	3122	2946	2759	2554	2337	2104	1863	1631
-5°	3456	3341	3206	3050	2876	2690	2490	2273	2042	1806	1581
-6.25°	3361	3247	3112	2958	2789	2605	2407	2190	1963	1736	1517
-7.5°	3247	3133	2999	2848	2682	2501	2304	2091	1869	1652	1442
-8.75°	3112	2999	2868	2722	2559	2381	2184	1976	1765	1558	1360
-10°	2958	2848	2722	2578	2421	2242	2049	1847	1649	1454	1272
-11.25°	2789	2682	2559	2421	2260	2086	1900	1713	1526	1346	1182
-12.5°	2605	2501	2381	2242	2086	1918	1745	1571	1399	1237	1094
-13.75°	2407	2304	2184	2049	1900	1745	1586	1426	1271	1130	1007
-15°	2190	2091	1976	1847	1713	1571	1426	1283	1149	1032	926
-16.25°	1963	1869	1765	1649	1526	1399	1271	1149	1041	941	840
-17.5°	1736	1652	1558	1454	1346	1237	1130	1032	941	847	751
-18.75°	1517	1442	1360	1272	1182	1094	1007	926	840	751	660
-20°	1311	1250	1182	1112	1040	969	896	818	737	653	568
-21.25°	1132	1085	1031	976	917	852	783	710	634	556	476



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	985	947	902	851	795	735	670	602	532	459	386
-23.75°	852	815	773	726	674	618	559	496	431	365	297
-25°	719	686	647	604	556	505	450	392	333	276	228
-26.25°	591	560	525	485	442	395	345	292	250	206	160
-27.5°	467	439	407	371	332	289	254	217	177	135	107
-28.75°	349	324	295	269	241	211	177	142	112	98	84
-30°	249	231	211	187	161	131	110	99	87	74	61
-31.25°	164	147	127	112	104	95	85	74	62	55	50
-32.5°	104	98	92	85	77	68	59	55	50	46	41
-33.75°	76	71	65	58	55	52	49	45	41	36	33
-35°	54	53	50	48	45	42	38	35	33	30	27
-36.25°	43	42	40	37	35	33	31	28	26	23	20
-37.5°	34	33	31	30	28	26	24	22	19	17	14
-38.75°	26	25	24	22	21	19	17	15	13	11	8
-40°	19	18	17	16	14	13	11	9	8	8	7
-41.25°	13	12	11	9	8	8	8	7	7	7	7
-42.5°	8	8	7	7	7	7	7	7	6	6	6
-43.75°	7	7	7	7	6	6	6	6	6	5	5
-45°	6	6	6	6	6	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	4	4
-50°	5	5	5	5	5	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	3	3	3
-53.75°	4	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	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°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
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°	1	1	1	1	1	1	1	1	0	0	0
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
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°	2	2	2	2	2	1	1	1	1	1	1
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
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°	3	2	2	2	2	2	2	2	2	2	2
56.25°	3	3	3	3	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	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	4	3	3	3	3	3	3	3	3	3	3
50°	4	4	4	4	3	3	3	3	3	3	3
48.75°	4	4	4	4	4	4	3	3	3	3	3
47.5°	5	4	4	4	4	4	4	4	3	3	3
46.25°	5	5	5	5	4	4	4	4	4	4	3
45°	5	5	5	5	5	5	4	4	4	4	4
43.75°	5	5	5	5	5	5	5	5	4	4	4
42.5°	6	5	5	5	5	5	5	5	5	5	4
41.25°	6	6	6	5	5	5	5	5	5	5	5
40°	7	7	6	6	6	5	5	5	5	5	5
38.75°	8	7	7	7	6	6	6	5	5	5	5
37.5°	12	9	8	7	7	7	6	6	5	5	5
36.25°	17	15	11	8	8	7	7	6	6	5	5
35°	23	20	17	14	10	8	7	7	6	6	6



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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°	30	26	23	19	15	12	8	7	7	6	6
32.5°	36	32	29	25	21	17	13	9	8	7	7
31.25°	45	39	35	30	26	22	18	14	9	8	7
30°	54	48	42	36	32	27	23	18	14	9	8
28.75°	69	57	51	44	38	33	28	23	18	14	9
27.5°	92	76	59	52	45	38	33	28	23	18	13
26.25°	114	98	81	63	53	46	38	33	27	22	17
25°	178	125	101	83	64	53	45	38	32	26	21
23.75°	243	189	132	102	83	63	52	44	36	30	25
22.5°	312	250	192	132	101	81	59	51	42	35	29
21.25°	397	318	250	189	125	98	76	57	48	39	32
20°	482	397	312	243	178	114	92	69	54	45	36
18.75°	568	476	386	297	228	160	107	84	61	50	41
17.5°	653	556	459	365	276	206	135	98	74	55	46
16.25°	737	634	532	431	333	250	177	112	87	62	50
15°	818	710	602	496	392	292	217	142	99	74	55
13.75°	896	783	670	559	450	345	254	177	110	85	59
12.5°	969	852	735	618	505	395	289	211	131	95	68
11.25°	1040	917	795	674	556	442	332	241	161	104	77
10°	1112	976	851	726	604	485	371	269	187	112	85
8.75°	1182	1031	902	773	647	525	407	295	211	127	92
7.5°	1250	1085	947	815	686	560	439	324	231	147	98
6.25°	1311	1132	985	852	719	591	467	349	249	164	104
5°	1366	1175	1017	882	747	616	490	369	263	178	108
3.75°	1410	1212	1045	906	769	637	508	386	275	189	111
2.5°	1441	1238	1066	923	785	651	522	398	283	196	114
1.25°	1461	1253	1078	933	795	660	530	405	288	201	115
0°	1467	1259	1082	936	798	663	532	408	289	203	116
-1.25°	1461	1253	1078	933	795	660	530	405	288	201	115
-2.5°	1441	1238	1066	923	785	651	522	398	283	196	114
-3.75°	1410	1212	1045	906	769	637	508	386	275	189	111
-5°	1366	1175	1017	882	747	616	490	369	263	178	108
-6.25°	1311	1132	985	852	719	591	467	349	249	164	104
-7.5°	1250	1085	947	815	686	560	439	324	231	147	98
-8.75°	1182	1031	902	773	647	525	407	295	211	127	92
-10°	1112	976	851	726	604	485	371	269	187	112	85
-11.25°	1040	917	795	674	556	442	332	241	161	104	77
-12.5°	969	852	735	618	505	395	289	211	131	95	68
-13.75°	896	783	670	559	450	345	254	177	110	85	59
-15°	818	710	602	496	392	292	217	142	99	74	55
-16.25°	737	634	532	431	333	250	177	112	87	62	50
-17.5°	653	556	459	365	276	206	135	98	74	55	46
-18.75°	568	476	386	297	228	160	107	84	61	50	41
-20°	482	397	312	243	178	114	92	69	54	45	36
-21.25°	397	318	250	189	125	98	76	57	48	39	32





REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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°	312	250	192	132	101	81	59	51	42	35	29
-23.75°	243	189	132	102	83	63	52	44	36	30	25
-25°	178	125	101	83	64	53	45	38	32	26	21
-26.25°	114	98	81	63	53	46	38	33	27	22	17
-27.5°	92	76	59	52	45	38	33	28	23	18	13
-28.75°	69	57	51	44	38	33	28	23	18	14	9
-30°	54	48	42	36	32	27	23	18	14	9	8
-31.25°	45	39	35	30	26	22	18	14	9	8	7
-32.5°	36	32	29	25	21	17	13	9	8	7	7
-33.75°	30	26	23	19	15	12	8	7	7	6	6
-35°	23	20	17	14	10	8	7	7	6	6	6
-36.25°	17	15	11	8	8	7	7	6	6	5	5
-37.5°	12	9	8	7	7	7	6	6	5	5	5
-38.75°	8	7	7	7	6	6	6	5	5	5	5
-40°	7	7	6	6	6	5	5	5	5	5	5
-41.25°	6	6	6	5	5	5	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	5	4	4	4
-45°	5	5	5	5	5	5	4	4	4	4	4
-46.25°	5	5	5	5	4	4	4	4	4	4	3
-47.5°	5	4	4	4	4	4	4	4	3	3	3
-48.75°	4	4	4	4	4	4	3	3	3	3	3
-50°	4	4	4	4	3	3	3	3	3	3	3
-51.25°	4	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	2
-55°	3	3	3	3	3	3	3	2	2	2	2
-56.25°	3	3	3	3	2	2	2	2	2	2	2
-57.5°	3	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°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
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°	1	1	1	1	1	1	1	0	0	0	0
80°	1	1	1	1	1	1	1	1	1	1	1
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°	2	2	2	2	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
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	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°	3	2	2	2	2	2	2	2	2	2	2
51.25°	3	3	3	2	2	2	2	2	2	2	2
50°	3	3	3	3	2	2	2	2	2	2	2
48.75°	3	3	3	3	3	3	2	2	2	2	2
47.5°	3	3	3	3	3	3	3	2	2	2	2
46.25°	3	3	3	3	3	3	3	3	2	2	2
45°	4	3	3	3	3	3	3	3	3	2	2
43.75°	4	4	3	3	3	3	3	3	3	3	2
42.5°	4	4	4	3	3	3	3	3	3	3	3
41.25°	4	4	4	4	3	3	3	3	3	3	3
40°	5	4	4	4	4	3	3	3	3	3	3
38.75°	5	5	4	4	4	4	3	3	3	3	3
37.5°	5	5	5	4	4	4	4	3	3	3	3
36.25°	5	5	5	5	4	4	4	4	3	3	3
35°	5	5	5	5	5	4	4	4	4	3	3



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	6	5	5	5	5	5	4	4	4	4	3
32.5°	6	6	5	5	5	5	5	4	4	4	3
31.25°	6	6	5	5	5	5	5	5	4	4	4
30°	7	6	6	5	5	5	5	5	4	4	4
28.75°	7	7	6	6	5	5	5	5	5	4	4
27.5°	8	7	7	6	6	5	5	5	5	4	4
26.25°	12	8	7	7	6	5	5	5	5	5	4
25°	15	10	8	7	6	6	5	5	5	5	4
23.75°	19	14	8	7	7	6	5	5	5	5	5
22.5°	23	17	11	8	7	6	6	5	5	5	5
21.25°	26	20	15	9	7	7	6	5	5	5	5
20°	30	23	17	12	8	7	6	6	5	5	5
18.75°	33	27	20	14	8	7	7	6	5	5	5
17.5°	36	30	23	17	11	8	7	6	5	5	5
16.25°	41	33	26	19	13	8	7	6	6	5	5
15°	45	35	28	22	15	9	7	7	6	5	5
13.75°	49	38	31	24	17	11	8	7	6	5	5
12.5°	52	42	33	26	19	13	8	7	6	5	5
11.25°	55	45	35	28	21	14	8	7	6	6	5
10°	58	48	37	30	22	16	9	7	7	6	5
8.75°	65	50	40	31	24	17	11	7	7	6	5
7.5°	71	53	42	33	25	18	12	8	7	6	5
6.25°	76	54	43	34	26	19	13	8	7	6	5
5°	80	56	45	35	27	20	13	8	7	6	5
3.75°	83	57	46	36	28	21	14	8	7	6	5
2.5°	85	58	47	36	29	21	14	8	7	6	6
1.25°	87	59	47	36	29	21	15	8	7	6	6
0°	87	59	48	37	29	21	15	8	7	6	6
-1.25°	87	59	47	36	29	21	15	8	7	6	6
-2.5°	85	58	47	36	29	21	14	8	7	6	6
-3.75°	83	57	46	36	28	21	14	8	7	6	5
-5°	80	56	45	35	27	20	13	8	7	6	5
-6.25°	76	54	43	34	26	19	13	8	7	6	5
-7.5°	71	53	42	33	25	18	12	8	7	6	5
-8.75°	65	50	40	31	24	17	11	7	7	6	5
-10°	58	48	37	30	22	16	9	7	7	6	5
-11.25°	55	45	35	28	21	14	8	7	6	6	5
-12.5°	52	42	33	26	19	13	8	7	6	5	5
-13.75°	49	38	31	24	17	11	8	7	6	5	5
-15°	45	35	28	22	15	9	7	7	6	5	5
-16.25°	41	33	26	19	13	8	7	6	6	5	5
-17.5°	36	30	23	17	11	8	7	6	5	5	5
-18.75°	33	27	20	14	8	7	7	6	5	5	5
-20°	30	23	17	12	8	7	6	6	5	5	5
-21.25°	26	20	15	9	7	7	6	5	5	5	5



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	23	17	11	8	7	6	6	5	5	5	5
-23.75°	19	14	8	7	7	6	5	5	5	5	5
-25°	15	10	8	7	6	6	5	5	5	5	4
-26.25°	12	8	7	7	6	5	5	5	5	5	4
-27.5°	8	7	7	6	6	5	5	5	5	4	4
-28.75°	7	7	6	6	5	5	5	5	5	4	4
-30°	7	6	6	5	5	5	5	5	4	4	4
-31.25°	6	6	5	5	5	5	5	5	4	4	4
-32.5°	6	6	5	5	5	5	5	4	4	4	3
-33.75°	6	5	5	5	5	5	4	4	4	4	3
-35°	5	5	5	5	5	4	4	4	4	3	3
-36.25°	5	5	5	5	4	4	4	4	3	3	3
-37.5°	5	5	5	4	4	4	4	3	3	3	3
-38.75°	5	5	4	4	4	4	3	3	3	3	3
-40°	5	4	4	4	4	3	3	3	3	3	3
-41.25°	4	4	4	4	3	3	3	3	3	3	3
-42.5°	4	4	4	3	3	3	3	3	3	3	3
-43.75°	4	4	3	3	3	3	3	3	3	3	2
-45°	4	3	3	3	3	3	3	3	3	2	2
-46.25°	3	3	3	3	3	3	3	3	2	2	2
-47.5°	3	3	3	3	3	3	3	2	2	2	2
-48.75°	3	3	3	3	3	3	2	2	2	2	2
-50°	3	3	3	3	2	2	2	2	2	2	2
-51.25°	3	3	3	2	2	2	2	2	2	2	2
-52.5°	3	2	2	2	2	2	2	2	2	2	2
-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°	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°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	1
-70°	2	2	2	2	2	2	2	1	1	1	1
-71.25°	2	2	2	2	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
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°	1	1	0	0	0	0	0	0	0	0	0
78.75°	1	1	1	1	1	1	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	0	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°	2	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	1	1	1
61.25°	2	2	2	2	2	2	2	2	2	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°	2	2	2	2	2	2	2	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	2	2
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°	2	2	2	2	2	2	2	2	2	2	2
46.25°	2	2	2	2	2	2	2	2	2	2	2
45°	2	2	2	2	2	2	2	2	2	2	2
43.75°	2	2	2	2	2	2	2	2	2	2	2
42.5°	2	2	2	2	2	2	2	2	2	2	2
41.25°	3	2	2	2	2	2	2	2	2	2	2
40°	3	3	2	2	2	2	2	2	2	2	2
38.75°	3	3	2	2	2	2	2	2	2	2	2
37.5°	3	3	3	2	2	2	2	2	2	2	2
36.25°	3	3	3	3	2	2	2	2	2	2	2
35°	3	3	3	3	2	2	2	2	2	2	2



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	3	3	3	3	3	2	2	2	2	2	2
32.5°	3	3	3	3	3	2	2	2	2	2	2
31.25°	3	3	3	3	3	3	2	2	2	2	2
30°	3	3	3	3	3	3	2	2	2	2	2
28.75°	4	3	3	3	3	3	2	2	2	2	2
27.5°	4	3	3	3	3	3	3	2	2	2	2
26.25°	4	4	3	3	3	3	3	2	2	2	2
25°	4	4	3	3	3	3	3	2	2	2	2
23.75°	4	4	4	3	3	3	3	3	2	2	2
22.5°	4	4	4	3	3	3	3	3	2	2	2
21.25°	4	4	4	3	3	3	3	3	2	2	2
20°	5	4	4	4	3	3	3	3	3	2	2
18.75°	5	4	4	4	3	3	3	3	3	2	2
17.5°	5	4	4	4	3	3	3	3	3	2	2
16.25°	5	5	4	4	3	3	3	3	3	2	2
15°	5	5	4	4	4	3	3	3	3	2	2
13.75°	5	5	4	4	4	3	3	3	3	2	2
12.5°	5	5	4	4	4	3	3	3	3	3	2
11.25°	5	5	5	4	4	3	3	3	3	3	2
10°	5	5	5	4	4	3	3	3	3	3	2
8.75°	5	5	5	4	4	3	3	3	3	3	2
7.5°	5	5	5	4	4	3	3	3	3	3	2
6.25°	5	5	5	4	4	4	3	3	3	3	2
5°	5	5	5	4	4	4	3	3	3	3	2
3.75°	5	5	5	4	4	4	3	3	3	3	2
2.5°	5	5	5	4	4	4	3	3	3	3	2
1.25°	5	5	5	4	4	4	3	3	3	3	2
0°	5	5	5	4	4	4	3	3	3	3	2
-1.25°	5	5	5	4	4	4	3	3	3	3	2
-2.5°	5	5	5	4	4	4	3	3	3	3	2
-3.75°	5	5	5	4	4	4	3	3	3	3	2
-5°	5	5	5	4	4	4	3	3	3	3	2
-6.25°	5	5	5	4	4	4	3	3	3	3	2
-7.5°	5	5	5	4	4	3	3	3	3	3	2
-8.75°	5	5	5	4	4	3	3	3	3	3	2
-10°	5	5	5	4	4	3	3	3	3	3	2
-11.25°	5	5	5	4	4	3	3	3	3	3	2
-12.5°	5	5	4	4	4	3	3	3	3	3	2
-13.75°	5	5	4	4	4	3	3	3	3	2	2
-15°	5	5	4	4	4	3	3	3	3	2	2
-16.25°	5	5	4	4	3	3	3	3	3	2	2
-17.5°	5	4	4	4	3	3	3	3	3	2	2
-18.75°	5	4	4	4	3	3	3	3	3	2	2
-20°	5	4	4	4	3	3	3	3	3	2	2
-21.25°	4	4	4	3	3	3	3	3	2	2	2





REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	4	4	4	3	3	3	3	3	2	2	2
-23.75°	4	4	4	3	3	3	3	3	2	2	2
-25°	4	4	3	3	3	3	3	2	2	2	2
-26.25°	4	4	3	3	3	3	3	2	2	2	2
-27.5°	4	3	3	3	3	3	3	2	2	2	2
-28.75°	4	3	3	3	3	3	2	2	2	2	2
-30°	3	3	3	3	3	3	2	2	2	2	2
-31.25°	3	3	3	3	3	3	2	2	2	2	2
-32.5°	3	3	3	3	3	2	2	2	2	2	2
-33.75°	3	3	3	3	3	2	2	2	2	2	2
-35°	3	3	3	3	2	2	2	2	2	2	2
-36.25°	3	3	3	3	2	2	2	2	2	2	2
-37.5°	3	3	3	2	2	2	2	2	2	2	2
-38.75°	3	3	2	2	2	2	2	2	2	2	2
-40°	3	3	2	2	2	2	2	2	2	2	2
-41.25°	3	2	2	2	2	2	2	2	2	2	2
-42.5°	2	2	2	2	2	2	2	2	2	2	2
-43.75°	2	2	2	2	2	2	2	2	2	2	2
-45°	2	2	2	2	2	2	2	2	2	2	2
-46.25°	2	2	2	2	2	2	2	2	2	2	2
-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°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-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°	2	2	2	2	2	2	2	2	2	2	1
-61.25°	2	2	2	2	2	2	2	2	2	1	1
-62.5°	2	2	2	2	2	2	2	2	1	1	1
-63.75°	2	2	2	2	2	2	2	1	1	1	1
-65°	2	2	2	2	2	1	1	1	1	1	1
-66.25°	2	2	2	1	1	1	1	1	1	1	1
-67.5°	2	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	0	0



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	1	1	1	1	1	1	0	0	0	0	0
-80°	1	1	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
75°	1	1	1	0	0	0	0	0	0	0	0
73.75°	1	1	1	1	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	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	0	0
67.5°	1	1	1	1	1	1	1	1	1	1	0
66.25°	1	1	1	1	1	1	1	1	1	1	0
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°	2	1	1	1	1	1	1	1	1	1	1
56.25°	2	2	1	1	1	1	1	1	1	1	1
55°	2	2	2	1	1	1	1	1	1	1	1
53.75°	2	2	2	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	1	1	1	1	1	1	1
51.25°	2	2	2	2	1	1	1	1	1	1	1
50°	2	2	2	2	2	1	1	1	1	1	1
48.75°	2	2	2	2	2	1	1	1	1	1	1
47.5°	2	2	2	2	2	2	1	1	1	1	1
46.25°	2	2	2	2	2	2	1	1	1	1	1
45°	2	2	2	2	2	2	2	1	1	1	1
43.75°	2	2	2	2	2	2	2	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	2	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	1	1



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	2	2	2	2	2	2	2	2	2	1	1
32.5°	2	2	2	2	2	2	2	2	2	2	1
31.25°	2	2	2	2	2	2	2	2	2	2	1
30°	2	2	2	2	2	2	2	2	2	2	1
28.75°	2	2	2	2	2	2	2	2	2	2	1
27.5°	2	2	2	2	2	2	2	2	2	2	1
26.25°	2	2	2	2	2	2	2	2	2	2	1
25°	2	2	2	2	2	2	2	2	2	2	2
23.75°	2	2	2	2	2	2	2	2	2	2	2
22.5°	2	2	2	2	2	2	2	2	2	2	2
21.25°	2	2	2	2	2	2	2	2	2	2	2
20°	2	2	2	2	2	2	2	2	2	2	2
18.75°	2	2	2	2	2	2	2	2	2	2	2
17.5°	2	2	2	2	2	2	2	2	2	2	2
16.25°	2	2	2	2	2	2	2	2	2	2	2
15°	2	2	2	2	2	2	2	2	2	2	2
13.75°	2	2	2	2	2	2	2	2	2	2	2
12.5°	2	2	2	2	2	2	2	2	2	2	2
11.25°	2	2	2	2	2	2	2	2	2	2	2
10°	2	2	2	2	2	2	2	2	2	2	2
8.75°	2	2	2	2	2	2	2	2	2	2	2
7.5°	2	2	2	2	2	2	2	2	2	2	2
6.25°	2	2	2	2	2	2	2	2	2	2	2
5°	2	2	2	2	2	2	2	2	2	2	2
3.75°	2	2	2	2	2	2	2	2	2	2	2
2.5°	2	2	2	2	2	2	2	2	2	2	2
1.25°	2	2	2	2	2	2	2	2	2	2	2
0°	2	2	2	2	2	2	2	2	2	2	2
-1.25°	2	2	2	2	2	2	2	2	2	2	2
-2.5°	2	2	2	2	2	2	2	2	2	2	2
-3.75°	2	2	2	2	2	2	2	2	2	2	2
-5°	2	2	2	2	2	2	2	2	2	2	2
-6.25°	2	2	2	2	2	2	2	2	2	2	2
-7.5°	2	2	2	2	2	2	2	2	2	2	2
-8.75°	2	2	2	2	2	2	2	2	2	2	2
-10°	2	2	2	2	2	2	2	2	2	2	2
-11.25°	2	2	2	2	2	2	2	2	2	2	2
-12.5°	2	2	2	2	2	2	2	2	2	2	2
-13.75°	2	2	2	2	2	2	2	2	2	2	2
-15°	2	2	2	2	2	2	2	2	2	2	2
-16.25°	2	2	2	2	2	2	2	2	2	2	2
-17.5°	2	2	2	2	2	2	2	2	2	2	2
-18.75°	2	2	2	2	2	2	2	2	2	2	2
-20°	2	2	2	2	2	2	2	2	2	2	2
-21.25°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	2	2	2	2	2	2	2	2	2	2	2
-23.75°	2	2	2	2	2	2	2	2	2	2	2
-25°	2	2	2	2	2	2	2	2	2	2	2
-26.25°	2	2	2	2	2	2	2	2	2	2	1
-27.5°	2	2	2	2	2	2	2	2	2	2	1
-28.75°	2	2	2	2	2	2	2	2	2	2	1
-30°	2	2	2	2	2	2	2	2	2	2	1
-31.25°	2	2	2	2	2	2	2	2	2	2	1
-32.5°	2	2	2	2	2	2	2	2	2	2	1
-33.75°	2	2	2	2	2	2	2	2	2	1	1
-35°	2	2	2	2	2	2	2	2	2	1	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	2	1	1	1
-42.5°	2	2	2	2	2	2	2	1	1	1	1
-43.75°	2	2	2	2	2	2	2	1	1	1	1
-45°	2	2	2	2	2	2	2	1	1	1	1
-46.25°	2	2	2	2	2	2	1	1	1	1	1
-47.5°	2	2	2	2	2	2	1	1	1	1	1
-48.75°	2	2	2	2	2	1	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-51.25°	2	2	2	2	1	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-53.75°	2	2	2	1	1	1	1	1	1	1	1
-55°	2	2	2	1	1	1	1	1	1	1	1
-56.25°	2	2	1	1	1	1	1	1	1	1	1
-57.5°	2	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	0
-67.5°	1	1	1	1	1	1	1	1	1	1	0
-68.75°	1	1	1	1	1	1	1	1	1	0	0
-70°	1	1	1	1	1	1	1	1	0	0	0
-71.25°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	1	1	1	1	1	0	0	0	0	0
-73.75°	1	1	1	1	0	0	0	0	0	0	0
-75°	1	1	1	0	0	0	0	0	0	0	0
-76.25°	1	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0	0	0	0	0	0	0	0	0	0	0
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°	1	0	0	0	0	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0	0	0	0	0
61.25°	1	1	0	0	0	0	0	0	0	0	0
60°	1	1	0	0	0	0	0	0	0	0	0
58.75°	1	1	0	0	0	0	0	0	0	0	0
57.5°	1	1	1	0	0	0	0	0	0	0	0
56.25°	1	1	1	0	0	0	0	0	0	0	0
55°	1	1	1	0	0	0	0	0	0	0	0
53.75°	1	1	1	1	0	0	0	0	0	0	0
52.5°	1	1	1	1	0	0	0	0	0	0	0
51.25°	1	1	1	1	0	0	0	0	0	0	0
50°	1	1	1	1	0	0	0	0	0	0	0
48.75°	1	1	1	1	1	0	0	0	0	0	0
47.5°	1	1	1	1	1	0	0	0	0	0	0
46.25°	1	1	1	1	1	0	0	0	0	0	0
45°	1	1	1	1	1	0	0	0	0	0	0
43.75°	1	1	1	1	1	0	0	0	0	0	0
42.5°	1	1	1	1	1	0	0	0	0	0	0
41.25°	1	1	1	1	1	1	0	0	0	0	0
40°	1	1	1	1	1	1	0	0	0	0	0
38.75°	1	1	1	1	1	1	0	0	0	0	0
37.5°	1	1	1	1	1	1	0	0	0	0	0
36.25°	1	1	1	1	1	1	0	0	0	0	0
35°	1	1	1	1	1	1	0	0	0	0	0



REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	1	1	1	1	1	1	0	0	0	0	0
32.5°	1	1	1	1	1	1	0	0	0	0	0
31.25°	1	1	1	1	1	1	0	0	0	0	0
30°	1	1	1	1	1	1	0	0	0	0	0
28.75°	1	1	1	1	1	1	1	0	0	0	0
27.5°	1	1	1	1	1	1	1	0	0	0	0
26.25°	1	1	1	1	1	1	1	0	0	0	0
25°	1	1	1	1	1	1	1	0	0	0	0
23.75°	1	1	1	1	1	1	1	0	0	0	0
22.5°	1	1	1	1	1	1	1	0	0	0	0
21.25°	1	1	1	1	1	1	1	0	0	0	0
20°	1	1	1	1	1	1	1	0	0	0	0
18.75°	1	1	1	1	1	1	1	0	0	0	0
17.5°	1	1	1	1	1	1	1	0	0	0	0
16.25°	1	1	1	1	1	1	1	0	0	0	0
15°	1	1	1	1	1	1	1	0	0	0	0
13.75°	1	1	1	1	1	1	1	0	0	0	0
12.5°	1	1	1	1	1	1	1	0	0	0	0
11.25°	2	1	1	1	1	1	1	0	0	0	0
10°	2	1	1	1	1	1	1	0	0	0	0
8.75°	2	1	1	1	1	1	1	0	0	0	0
7.5°	2	1	1	1	1	1	1	0	0	0	0
6.25°	2	1	1	1	1	1	1	0	0	0	0
5°	2	1	1	1	1	1	1	0	0	0	0
3.75°	2	1	1	1	1	1	1	0	0	0	0
2.5°	2	1	1	1	1	1	1	0	0	0	0
1.25°	2	1	1	1	1	1	1	0	0	0	0
0°	2	1	1	1	1	1	1	0	0	0	0
-1.25°	2	1	1	1	1	1	1	0	0	0	0
-2.5°	2	1	1	1	1	1	1	0	0	0	0
-3.75°	2	1	1	1	1	1	1	0	0	0	0
-5°	2	1	1	1	1	1	1	0	0	0	0
-6.25°	2	1	1	1	1	1	1	0	0	0	0
-7.5°	2	1	1	1	1	1	1	0	0	0	0
-8.75°	2	1	1	1	1	1	1	0	0	0	0
-10°	2	1	1	1	1	1	1	0	0	0	0
-11.25°	2	1	1	1	1	1	1	0	0	0	0
-12.5°	1	1	1	1	1	1	1	0	0	0	0
-13.75°	1	1	1	1	1	1	1	0	0	0	0
-15°	1	1	1	1	1	1	1	0	0	0	0
-16.25°	1	1	1	1	1	1	1	0	0	0	0
-17.5°	1	1	1	1	1	1	1	0	0	0	0
-18.75°	1	1	1	1	1	1	1	0	0	0	0
-20°	1	1	1	1	1	1	1	0	0	0	0
-21.25°	1	1	1	1	1	1	1	0	0	0	0





REPORT NUMBER: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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	1	1	1	1	0	0	0	0
-23.75°	1	1	1	1	1	1	1	0	0	0	0
-25°	1	1	1	1	1	1	1	0	0	0	0
-26.25°	1	1	1	1	1	1	1	0	0	0	0
-27.5°	1	1	1	1	1	1	1	0	0	0	0
-28.75°	1	1	1	1	1	1	1	0	0	0	0
-30°	1	1	1	1	1	1	0	0	0	0	0
-31.25°	1	1	1	1	1	1	0	0	0	0	0
-32.5°	1	1	1	1	1	1	0	0	0	0	0
-33.75°	1	1	1	1	1	1	0	0	0	0	0
-35°	1	1	1	1	1	1	0	0	0	0	0
-36.25°	1	1	1	1	1	1	0	0	0	0	0
-37.5°	1	1	1	1	1	1	0	0	0	0	0
-38.75°	1	1	1	1	1	1	0	0	0	0	0
-40°	1	1	1	1	1	1	0	0	0	0	0
-41.25°	1	1	1	1	1	1	0	0	0	0	0
-42.5°	1	1	1	1	1	0	0	0	0	0	0
-43.75°	1	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	1	1	0	0	0	0	0	0
-46.25°	1	1	1	1	1	0	0	0	0	0	0
-47.5°	1	1	1	1	1	0	0	0	0	0	0
-48.75°	1	1	1	1	1	0	0	0	0	0	0
-50°	1	1	1	1	0	0	0	0	0	0	0
-51.25°	1	1	1	1	0	0	0	0	0	0	0
-52.5°	1	1	1	1	0	0	0	0	0	0	0
-53.75°	1	1	1	1	0	0	0	0	0	0	0
-55°	1	1	1	0	0	0	0	0	0	0	0
-56.25°	1	1	1	0	0	0	0	0	0	0	0
-57.5°	1	1	1	0	0	0	0	0	0	0	0
-58.75°	1	1	0	0	0	0	0	0	0	0	0
-60°	1	1	0	0	0	0	0	0	0	0	0
-61.25°	1	1	0	0	0	0	0	0	0	0	0
-62.5°	1	0	0	0	0	0	0	0	0	0	0
-63.75°	1	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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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: P220691 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4097-F-BK-L2-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)