

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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
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-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE  
FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

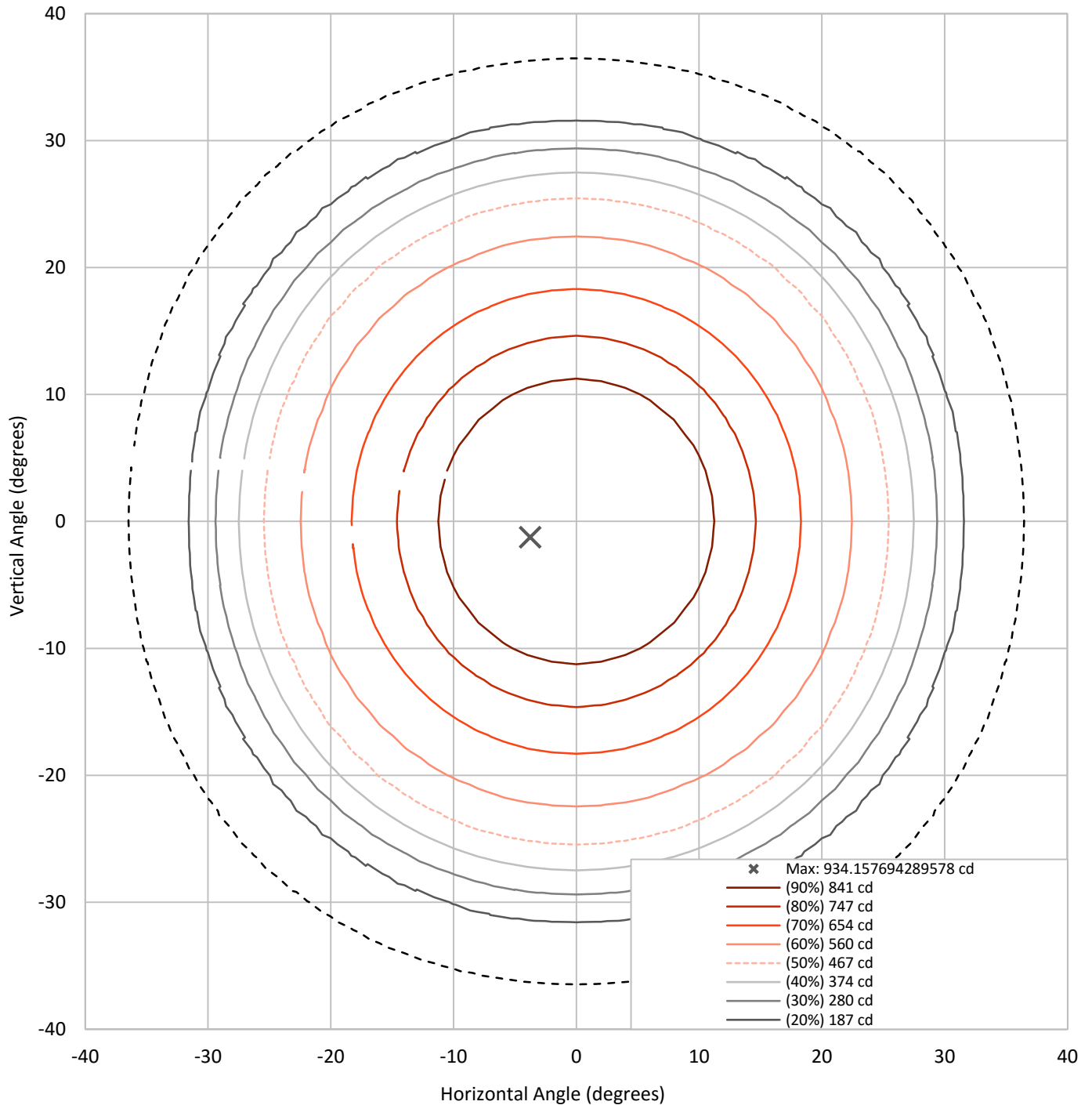
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	623.4 lumens	Max Intensity:	934.2 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	63.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	51°H x 50.5°V	Field Angle (10%):	72.9°H x 72.6°V
Beam Lumens:	419.9 lumens	Field Lumens:	560 lumens
Beam Efficiency:	67.4%	Field Efficiency:	89.8%
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		

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

### Iso-Candela Plot





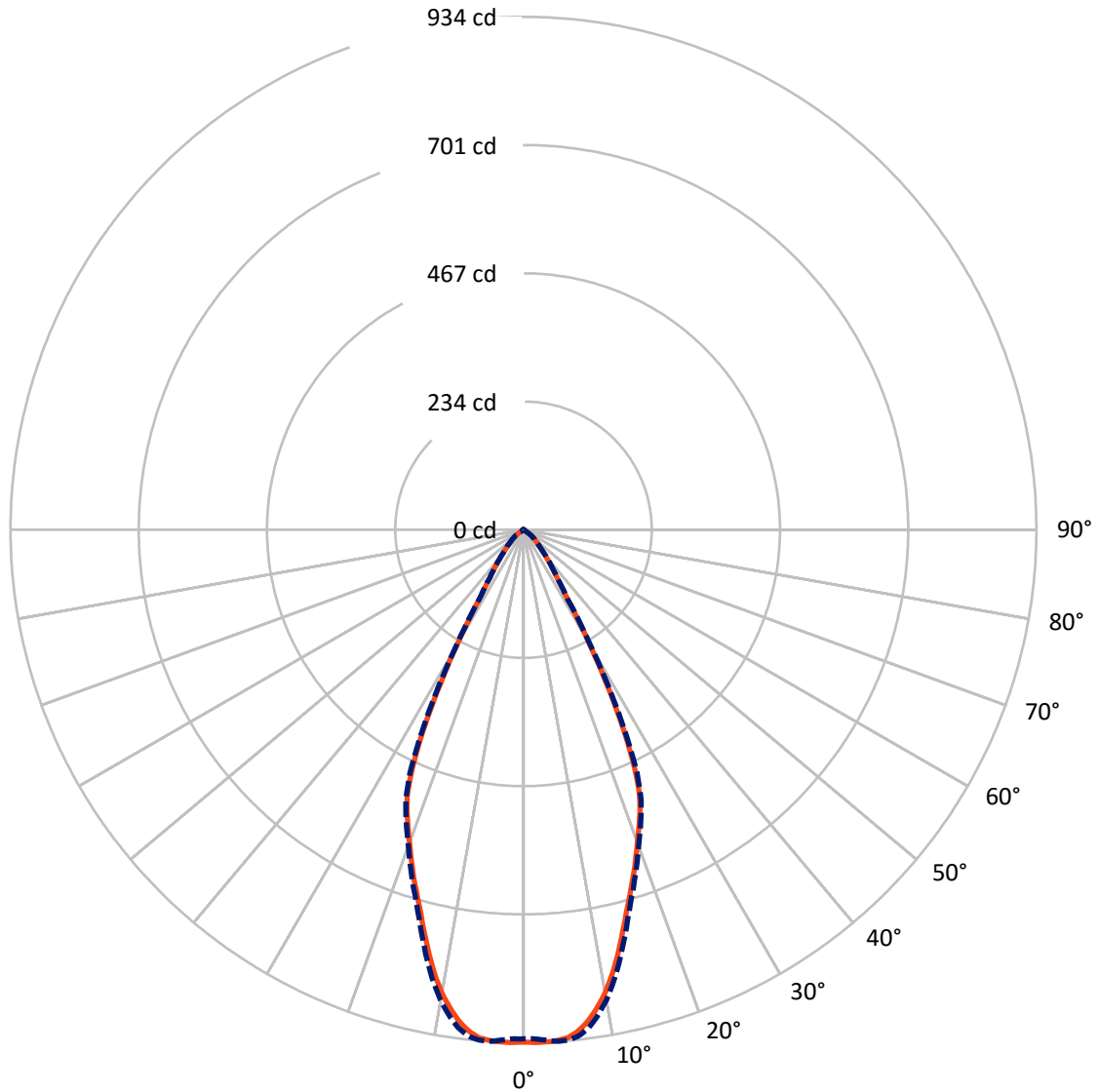
REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

### Lumen Table

90																			
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	0.0	0.0	
70																			
60	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
50		0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.3	0.3	0.1	0.1	0.0	0.0					
40	0.0	0.0	0.0	0.1	0.3	0.7	1.0	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	
30		0.0	0.0	0.3	0.8	1.5	2.5	3.6	3.6	2.5	1.5	0.8	0.3	0.0					
20	0.0	0.0	0.1	0.5	1.4	3.5	9.0	13.4	13.4	9.0	3.5	1.4	0.5	0.1	0.0	0.0	0.0	0.0	
10		0.0	0.2	0.7	2.2	8.5	17.1	21.6	21.6	17.1	8.5	2.2	0.7	0.2					
0	0.0	0.0	0.2	0.9	3.0	12.3	21.0	27.2	27.2	21.0	12.3	3.0	0.9	0.2	0.0	0.0	0.0	0.0	
-10		0.0	0.2	0.9	3.0	12.3	21.0	27.2	27.2	21.0	12.3	3.0	0.9	0.2					
-20	0.0	0.0	0.2	0.7	2.2	8.5	17.1	21.6	21.6	17.1	8.5	2.2	0.7	0.2	0.0	0.0	0.0	0.0	
-30		0.0	0.1	0.5	1.4	3.5	9.0	13.4	13.4	9.0	3.5	1.4	0.5	0.1					
-40	0.0	0.0	0.0	0.3	0.8	1.5	2.5	3.6	3.6	2.5	1.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0	
-50		0.0	0.0	0.1	0.3	0.7	1.0	1.2	1.2	1.0	0.7	0.3	0.1	0.0					
-60	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
-70		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	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	0.0	0.0	
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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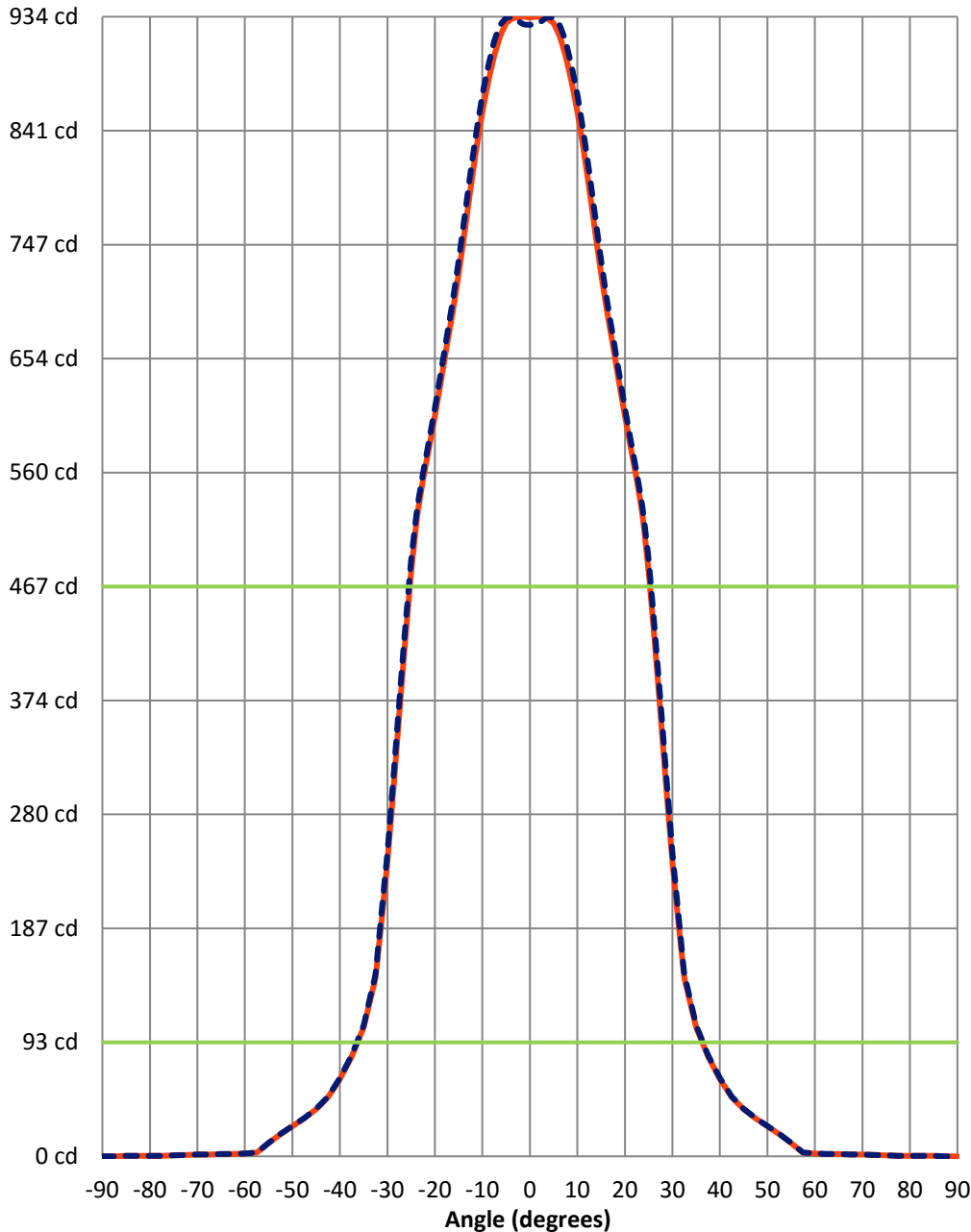
### Luminous Intensity Polar Plot



— Vertical Distribution Through -3.75-Deg    - - - Horizontal Distribution Through -1.25-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 50.5°  
 Lumens: 419.9  
 Efficiency: 67.4%

**Field:**  
 H Angle: 72.9°  
 V Angle: 72.6°  
 Lumens: 560  
 Efficiency: 89.8%

**Spill:**  
 Lumens: 63.4  
 Efficiency: 10.2%

— Vertical Distribution through -3.75-Deg  
 - - Horizontal Distribution through -1.25-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	0
30°	0	0	0	0	0	0	0	0	0	0	0
28.75°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
26.25°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
23.75°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
21.25°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
18.75°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
16.25°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
13.75°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
11.25°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
8.75°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
6.25°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
3.75°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
1.25°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-1.25°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-3.75°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-6.25°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-8.75°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-11.25°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-13.75°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-16.25°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-18.75°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0
-21.25°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	0
-23.75°	0	0	0	0	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-26.25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-28.75°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-31.25°	0	0	0	0	0	0	0	0	0	0	0
-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	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	1
57.5°	0	0	0	0	0	0	0	0	0	0	1
56.25°	0	0	0	0	0	0	0	0	0	1	1
55°	0	0	0	0	0	0	0	0	1	1	1
53.75°	0	0	0	0	0	0	0	0	1	1	1
52.5°	0	0	0	0	0	0	0	1	1	1	1
51.25°	0	0	0	0	0	0	0	1	1	1	1
50°	0	0	0	0	0	0	1	1	1	1	1
48.75°	0	0	0	0	0	0	1	1	1	1	1
47.5°	0	0	0	0	0	1	1	1	1	1	1
46.25°	0	0	0	0	0	1	1	1	1	1	1
45°	0	0	0	0	1	1	1	1	1	1	1
43.75°	0	0	0	0	1	1	1	1	1	1	1
42.5°	0	0	0	0	1	1	1	1	1	1	1
41.25°	0	0	0	0	1	1	1	1	1	1	1
40°	0	0	0	1	1	1	1	1	1	1	1
38.75°	0	0	0	1	1	1	1	1	1	1	2
37.5°	0	0	0	1	1	1	1	1	1	1	2
36.25°	0	0	0	1	1	1	1	1	1	1	2
35°	0	0	1	1	1	1	1	1	1	2	2



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	0	0	1	1	1	1	1	1	1	2	2
32.5°	0	0	1	1	1	1	1	1	1	2	2
31.25°	0	0	1	1	1	1	1	1	2	2	2
30°	0	0	1	1	1	1	1	1	2	2	2
28.75°	0	0	1	1	1	1	1	1	2	2	2
27.5°	0	1	1	1	1	1	1	1	2	2	2
26.25°	0	1	1	1	1	1	1	2	2	2	2
25°	0	1	1	1	1	1	1	2	2	2	2
23.75°	0	1	1	1	1	1	1	2	2	2	2
22.5°	0	1	1	1	1	1	1	2	2	2	2
21.25°	0	1	1	1	1	1	1	2	2	2	2
20°	0	1	1	1	1	1	1	2	2	2	2
18.75°	0	1	1	1	1	1	2	2	2	2	2
17.5°	0	1	1	1	1	1	2	2	2	2	2
16.25°	1	1	1	1	1	1	2	2	2	2	2
15°	1	1	1	1	1	1	2	2	2	2	2
13.75°	1	1	1	1	1	1	2	2	2	2	2
12.5°	1	1	1	1	1	1	2	2	2	2	2
11.25°	1	1	1	1	1	1	2	2	2	2	2
10°	1	1	1	1	1	1	2	2	2	2	2
8.75°	1	1	1	1	1	1	2	2	2	2	2
7.5°	1	1	1	1	1	1	2	2	2	2	2
6.25°	1	1	1	1	1	1	2	2	2	2	2
5°	1	1	1	1	1	1	2	2	2	2	2
3.75°	1	1	1	1	1	1	2	2	2	2	2
2.5°	1	1	1	1	1	1	2	2	2	2	2
1.25°	1	1	1	1	1	1	2	2	2	2	2
0°	1	1	1	1	1	2	2	2	2	2	2
-1.25°	1	1	1	1	1	2	2	2	2	2	2
-2.5°	1	1	1	1	1	1	2	2	2	2	2
-3.75°	1	1	1	1	1	1	2	2	2	2	2
-5°	1	1	1	1	1	1	2	2	2	2	2
-6.25°	1	1	1	1	1	1	2	2	2	2	2
-7.5°	1	1	1	1	1	1	2	2	2	2	2
-8.75°	1	1	1	1	1	1	2	2	2	2	2
-10°	1	1	1	1	1	1	2	2	2	2	2
-11.25°	1	1	1	1	1	1	2	2	2	2	2
-12.5°	1	1	1	1	1	1	2	2	2	2	2
-13.75°	1	1	1	1	1	1	2	2	2	2	2
-15°	1	1	1	1	1	1	2	2	2	2	2
-16.25°	1	1	1	1	1	1	2	2	2	2	2
-17.5°	0	1	1	1	1	1	2	2	2	2	2
-18.75°	0	1	1	1	1	1	2	2	2	2	2
-20°	0	1	1	1	1	1	1	2	2	2	2
-21.25°	0	1	1	1	1	1	1	2	2	2	2



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	0	1	1	1	1	1	1	2	2	2	2
-23.75°	0	1	1	1	1	1	1	2	2	2	2
-25°	0	1	1	1	1	1	1	2	2	2	2
-26.25°	0	1	1	1	1	1	1	2	2	2	2
-27.5°	0	1	1	1	1	1	1	1	2	2	2
-28.75°	0	0	1	1	1	1	1	1	2	2	2
-30°	0	0	1	1	1	1	1	1	2	2	2
-31.25°	0	0	1	1	1	1	1	1	2	2	2
-32.5°	0	0	1	1	1	1	1	1	1	2	2
-33.75°	0	0	1	1	1	1	1	1	1	2	2
-35°	0	0	1	1	1	1	1	1	1	2	2
-36.25°	0	0	0	1	1	1	1	1	1	1	2
-37.5°	0	0	0	1	1	1	1	1	1	1	2
-38.75°	0	0	0	1	1	1	1	1	1	1	2
-40°	0	0	0	1	1	1	1	1	1	1	1
-41.25°	0	0	0	0	1	1	1	1	1	1	1
-42.5°	0	0	0	0	1	1	1	1	1	1	1
-43.75°	0	0	0	0	1	1	1	1	1	1	1
-45°	0	0	0	0	1	1	1	1	1	1	1
-46.25°	0	0	0	0	0	1	1	1	1	1	1
-47.5°	0	0	0	0	0	1	1	1	1	1	1
-48.75°	0	0	0	0	0	0	1	1	1	1	1
-50°	0	0	0	0	0	0	1	1	1	1	1
-51.25°	0	0	0	0	0	0	0	1	1	1	1
-52.5°	0	0	0	0	0	0	0	1	1	1	1
-53.75°	0	0	0	0	0	0	0	0	1	1	1
-55°	0	0	0	0	0	0	0	0	1	1	1
-56.25°	0	0	0	0	0	0	0	0	0	1	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	1
-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	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	1
67.5°	0	0	0	0	0	0	0	0	1	1	1
66.25°	0	0	0	0	0	0	1	1	1	1	1
65°	0	0	0	0	0	1	1	1	1	1	1
63.75°	0	0	0	1	1	1	1	1	1	1	1
62.5°	0	0	1	1	1	1	1	1	1	1	1
61.25°	0	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	2
56.25°	1	1	1	1	1	1	1	1	1	2	2
55°	1	1	1	1	1	1	1	1	2	2	2
53.75°	1	1	1	1	1	1	1	2	2	2	2
52.5°	1	1	1	1	1	1	2	2	2	2	2
51.25°	1	1	1	1	1	2	2	2	2	2	2
50°	1	1	1	1	2	2	2	2	2	2	2
48.75°	1	1	1	2	2	2	2	2	2	2	2
47.5°	1	1	1	2	2	2	2	2	2	2	2
46.25°	1	1	2	2	2	2	2	2	2	2	2
45°	1	1	2	2	2	2	2	2	2	2	2
43.75°	1	2	2	2	2	2	2	2	2	2	2
42.5°	1	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	2	3
35°	2	2	2	2	2	2	2	2	2	3	3



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	2	2	2	2	2	2	2	2	2	3	3
32.5°	2	2	2	2	2	2	2	2	3	3	4
31.25°	2	2	2	2	2	2	2	2	3	3	6
30°	2	2	2	2	2	2	2	3	3	4	7
28.75°	2	2	2	2	2	2	2	3	3	6	9
27.5°	2	2	2	2	2	2	2	3	4	7	10
26.25°	2	2	2	2	2	2	3	3	5	8	12
25°	2	2	2	2	2	2	3	3	6	10	13
23.75°	2	2	2	2	2	2	3	4	7	11	14
22.5°	2	2	2	2	2	3	3	5	9	12	15
21.25°	2	2	2	2	2	3	3	6	10	13	16
20°	2	2	2	2	2	3	3	7	11	14	17
18.75°	2	2	2	2	2	3	4	8	12	15	18
17.5°	2	2	2	2	3	3	5	9	13	16	19
16.25°	2	2	2	2	3	3	6	10	13	17	20
15°	2	2	2	2	3	3	7	11	14	18	21
13.75°	2	2	2	2	3	4	7	11	15	18	21
12.5°	2	2	2	2	3	4	8	12	15	19	22
11.25°	2	2	2	2	3	5	9	12	16	19	23
10°	2	2	2	3	3	5	9	13	16	20	23
8.75°	2	2	2	3	3	6	10	13	17	20	23
7.5°	2	2	2	3	3	6	10	14	17	21	24
6.25°	2	2	2	3	3	6	10	14	18	21	24
5°	2	2	2	3	3	7	11	14	18	21	24
3.75°	2	2	2	3	3	7	11	14	18	21	25
2.5°	2	2	2	3	3	7	11	15	18	22	25
1.25°	2	2	2	3	3	7	11	15	18	22	25
0°	2	2	2	3	3	7	11	15	18	22	25
-1.25°	2	2	2	3	3	7	11	15	18	22	25
-2.5°	2	2	2	3	3	7	11	15	18	22	25
-3.75°	2	2	2	3	3	7	11	14	18	21	25
-5°	2	2	2	3	3	7	11	14	18	21	24
-6.25°	2	2	2	3	3	6	10	14	18	21	24
-7.5°	2	2	2	3	3	6	10	14	17	21	24
-8.75°	2	2	2	3	3	6	10	13	17	20	23
-10°	2	2	2	3	3	5	9	13	16	20	23
-11.25°	2	2	2	2	3	5	9	12	16	19	23
-12.5°	2	2	2	2	3	4	8	12	15	19	22
-13.75°	2	2	2	2	3	4	7	11	15	18	21
-15°	2	2	2	2	3	3	7	11	14	18	21
-16.25°	2	2	2	2	3	3	6	10	13	17	20
-17.5°	2	2	2	2	3	3	5	9	13	16	19
-18.75°	2	2	2	2	2	3	4	8	12	15	18
-20°	2	2	2	2	2	3	3	7	11	14	17
-21.25°	2	2	2	2	2	3	3	6	10	13	16





REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	3	3	5	9	12	15
-23.75°	2	2	2	2	2	2	3	4	7	11	14
-25°	2	2	2	2	2	2	3	3	6	10	13
-26.25°	2	2	2	2	2	2	3	3	5	8	12
-27.5°	2	2	2	2	2	2	2	3	4	7	10
-28.75°	2	2	2	2	2	2	2	3	3	6	9
-30°	2	2	2	2	2	2	2	3	3	4	7
-31.25°	2	2	2	2	2	2	2	2	3	3	6
-32.5°	2	2	2	2	2	2	2	2	3	3	4
-33.75°	2	2	2	2	2	2	2	2	2	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	2	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°	1	2	2	2	2	2	2	2	2	2	2
-43.75°	1	2	2	2	2	2	2	2	2	2	2
-45°	1	1	2	2	2	2	2	2	2	2	2
-46.25°	1	1	2	2	2	2	2	2	2	2	2
-47.5°	1	1	1	2	2	2	2	2	2	2	2
-48.75°	1	1	1	2	2	2	2	2	2	2	2
-50°	1	1	1	1	2	2	2	2	2	2	2
-51.25°	1	1	1	1	1	2	2	2	2	2	2
-52.5°	1	1	1	1	1	1	2	2	2	2	2
-53.75°	1	1	1	1	1	1	1	2	2	2	2
-55°	1	1	1	1	1	1	1	1	2	2	2
-56.25°	1	1	1	1	1	1	1	1	1	2	2
-57.5°	1	1	1	1	1	1	1	1	1	1	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°	0	1	1	1	1	1	1	1	1	1	1
-62.5°	0	0	1	1	1	1	1	1	1	1	1
-63.75°	0	0	0	1	1	1	1	1	1	1	1
-65°	0	0	0	0	0	1	1	1	1	1	1
-66.25°	0	0	0	0	0	0	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	0	1
-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	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	1	1	1	1
71.25°	0	0	0	1	1	1	1	1	1	1	1
70°	0	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	2	2	2
62.5°	1	1	1	1	1	1	2	2	2	2	2
61.25°	1	1	1	1	2	2	2	2	2	2	2
60°	1	1	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	2
50°	2	2	2	2	2	2	2	2	2	3	3
48.75°	2	2	2	2	2	2	2	2	3	3	3
47.5°	2	2	2	2	2	2	2	3	3	3	5
46.25°	2	2	2	2	2	3	3	3	4	6	8
45°	2	2	2	2	3	3	3	4	6	8	10
43.75°	2	2	2	3	3	3	4	7	9	11	13
42.5°	2	2	3	3	3	4	7	9	11	13	15
41.25°	2	2	3	3	4	7	9	12	14	16	18
40°	2	3	3	4	7	9	12	14	16	18	20
38.75°	3	3	4	6	9	11	14	16	18	20	22
37.5°	3	3	6	8	11	13	16	18	20	22	24
36.25°	3	5	8	10	13	15	18	20	22	24	26
35°	4	7	10	12	15	17	20	22	24	26	28



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	5	8	11	14	17	19	21	24	26	28	30
32.5°	7	10	13	16	18	21	23	26	28	30	32
31.25°	9	12	15	18	20	22	25	27	30	32	35
30°	11	13	16	19	22	24	27	29	31	34	37
28.75°	12	15	18	21	23	26	28	31	33	36	39
27.5°	13	16	19	22	25	27	30	32	35	38	42
26.25°	15	18	21	23	26	29	31	34	37	40	44
25°	16	19	22	25	27	30	33	36	39	43	47
23.75°	17	20	23	26	29	31	34	38	41	45	49
22.5°	18	21	24	27	30	33	36	39	43	48	53
21.25°	19	22	25	28	31	34	37	41	45	50	57
20°	20	23	26	29	32	36	39	43	48	53	60
18.75°	21	24	27	30	33	37	41	45	50	56	63
17.5°	22	25	28	31	35	38	42	47	52	59	66
16.25°	23	26	29	32	36	39	44	48	55	62	70
15°	24	27	30	33	37	41	45	50	57	64	73
13.75°	24	28	31	34	38	42	47	53	60	67	76
12.5°	25	28	31	35	39	43	48	55	62	70	79
11.25°	26	29	32	36	39	44	49	56	64	72	81
10°	26	29	33	36	40	45	51	58	66	75	84
8.75°	27	30	33	37	41	46	52	59	68	77	87
7.5°	27	30	34	38	42	47	53	61	69	78	89
6.25°	27	31	34	38	43	48	54	62	71	80	91
5°	28	31	35	38	43	48	55	63	72	81	92
3.75°	28	31	35	39	43	48	56	63	73	82	94
2.5°	28	31	35	39	44	49	56	64	73	83	95
1.25°	28	31	35	39	44	49	57	64	74	83	95
0°	28	31	35	39	44	49	57	64	74	83	95
-1.25°	28	31	35	39	44	49	57	64	74	83	95
-2.5°	28	31	35	39	44	49	56	64	73	83	95
-3.75°	28	31	35	39	43	48	56	63	73	82	94
-5°	28	31	35	38	43	48	55	63	72	81	92
-6.25°	27	31	34	38	43	48	54	62	71	80	91
-7.5°	27	30	34	38	42	47	53	61	69	78	89
-8.75°	27	30	33	37	41	46	52	59	68	77	87
-10°	26	29	33	36	40	45	51	58	66	75	84
-11.25°	26	29	32	36	39	44	49	56	64	72	81
-12.5°	25	28	31	35	39	43	48	55	62	70	79
-13.75°	24	28	31	34	38	42	47	53	60	67	76
-15°	24	27	30	33	37	41	45	50	57	64	73
-16.25°	23	26	29	32	36	39	44	48	55	62	70
-17.5°	22	25	28	31	35	38	42	47	52	59	66
-18.75°	21	24	27	30	33	37	41	45	50	56	63
-20°	20	23	26	29	32	36	39	43	48	53	60
-21.25°	19	22	25	28	31	34	37	41	45	50	57



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	18	21	24	27	30	33	36	39	43	48	53
-23.75°	17	20	23	26	29	31	34	38	41	45	49
-25°	16	19	22	25	27	30	33	36	39	43	47
-26.25°	15	18	21	23	26	29	31	34	37	40	44
-27.5°	13	16	19	22	25	27	30	32	35	38	42
-28.75°	12	15	18	21	23	26	28	31	33	36	39
-30°	11	13	16	19	22	24	27	29	31	34	37
-31.25°	9	12	15	18	20	22	25	27	30	32	35
-32.5°	7	10	13	16	18	21	23	26	28	30	32
-33.75°	5	8	11	14	17	19	21	24	26	28	30
-35°	4	7	10	12	15	17	20	22	24	26	28
-36.25°	3	5	8	10	13	15	18	20	22	24	26
-37.5°	3	3	6	8	11	13	16	18	20	22	24
-38.75°	3	3	4	6	9	11	14	16	18	20	22
-40°	2	3	3	4	7	9	12	14	16	18	20
-41.25°	2	2	3	3	4	7	9	12	14	16	18
-42.5°	2	2	3	3	3	4	7	9	11	13	15
-43.75°	2	2	2	3	3	3	4	7	9	11	13
-45°	2	2	2	2	3	3	3	4	6	8	10
-46.25°	2	2	2	2	2	3	3	3	4	6	8
-47.5°	2	2	2	2	2	2	2	3	3	3	5
-48.75°	2	2	2	2	2	2	2	2	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	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°	1	1	2	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	1	2	2	2	2	2
-63.75°	1	1	1	1	1	1	1	1	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°	0	1	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	1	1	1	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	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	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	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	2	2	2	2
66.25°	1	1	1	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	3
55°	2	2	2	2	2	2	2	3	3	3	3
53.75°	2	2	2	2	3	3	3	3	3	4	5
52.5°	2	2	3	3	3	3	4	5	6	7	9
51.25°	3	3	3	3	4	6	7	8	10	11	12
50°	3	3	4	6	7	9	10	12	13	14	15
48.75°	4	5	7	9	11	12	13	15	16	17	18
47.5°	7	8	10	12	13	15	16	18	19	20	21
46.25°	10	11	13	15	16	18	19	21	22	23	24
45°	12	14	16	18	19	21	22	23	25	26	27
43.75°	15	17	18	20	22	23	25	26	27	29	30
42.5°	17	19	21	22	24	26	27	29	30	31	33
41.25°	20	21	23	25	27	28	30	31	33	34	36
40°	22	24	26	27	29	31	32	34	36	38	39
38.75°	24	26	28	30	31	33	35	37	39	41	43
37.5°	26	28	30	32	34	36	38	40	43	45	48
36.25°	28	30	32	35	37	39	42	44	47	49	53
35°	30	33	35	37	40	43	45	48	52	56	59



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	33	35	38	40	43	46	49	53	58	62	66
32.5°	35	38	40	44	47	50	55	59	63	68	73
31.25°	37	40	44	47	51	55	60	65	70	76	81
30°	40	43	47	51	56	61	66	72	77	83	89
28.75°	43	46	50	55	61	66	72	78	84	92	99
27.5°	45	49	55	60	66	72	78	85	93	101	108
26.25°	48	53	59	65	72	78	85	93	101	111	124
25°	52	58	63	70	77	84	93	101	111	125	139
23.75°	56	62	68	76	83	92	101	111	125	140	160
22.5°	59	66	73	81	89	99	108	124	139	160	194
21.25°	63	70	78	86	96	106	121	137	156	192	227
20°	67	75	83	92	102	116	132	149	186	223	262
18.75°	71	79	88	98	109	127	144	175	215	254	300
17.5°	75	83	93	104	119	137	161	202	242	289	338
16.25°	78	88	98	110	129	147	185	227	273	323	374
15°	82	92	103	119	138	165	208	252	303	356	408
13.75°	85	96	108	127	146	185	230	279	333	387	438
12.5°	89	100	115	134	159	205	250	305	361	415	465
11.25°	92	104	121	141	176	222	272	329	386	440	489
10°	96	107	127	147	191	238	292	351	408	462	508
8.75°	98	112	132	157	205	253	311	371	428	481	524
7.5°	101	116	137	168	216	268	328	388	445	496	534
6.25°	103	120	141	178	227	281	342	402	459	508	543
5°	105	123	144	186	235	292	353	414	470	517	550
3.75°	106	126	147	192	241	300	362	423	479	525	555
2.5°	107	127	149	196	246	306	369	430	485	529	558
1.25°	107	128	150	199	249	310	373	434	489	531	560
0°	108	129	150	200	250	311	374	435	490	532	561
-1.25°	107	128	150	199	249	310	373	434	489	531	560
-2.5°	107	127	149	196	246	306	369	430	485	529	558
-3.75°	106	126	147	192	241	300	362	423	479	525	555
-5°	105	123	144	186	235	292	353	414	470	517	550
-6.25°	103	120	141	178	227	281	342	402	459	508	543
-7.5°	101	116	137	168	216	268	328	388	445	496	534
-8.75°	98	112	132	157	205	253	311	371	428	481	524
-10°	96	107	127	147	191	238	292	351	408	462	508
-11.25°	92	104	121	141	176	222	272	329	386	440	489
-12.5°	89	100	115	134	159	205	250	305	361	415	465
-13.75°	85	96	108	127	146	185	230	279	333	387	438
-15°	82	92	103	119	138	165	208	252	303	356	408
-16.25°	78	88	98	110	129	147	185	227	273	323	374
-17.5°	75	83	93	104	119	137	161	202	242	289	338
-18.75°	71	79	88	98	109	127	144	175	215	254	300
-20°	67	75	83	92	102	116	132	149	186	223	262
-21.25°	63	70	78	86	96	106	121	137	156	192	227





REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	59	66	73	81	89	99	108	124	139	160	194
-23.75°	56	62	68	76	83	92	101	111	125	140	160
-25°	52	58	63	70	77	84	93	101	111	125	139
-26.25°	48	53	59	65	72	78	85	93	101	111	124
-27.5°	45	49	55	60	66	72	78	85	93	101	108
-28.75°	43	46	50	55	61	66	72	78	84	92	99
-30°	40	43	47	51	56	61	66	72	77	83	89
-31.25°	37	40	44	47	51	55	60	65	70	76	81
-32.5°	35	38	40	44	47	50	55	59	63	68	73
-33.75°	33	35	38	40	43	46	49	53	58	62	66
-35°	30	33	35	37	40	43	45	48	52	56	59
-36.25°	28	30	32	35	37	39	42	44	47	49	53
-37.5°	26	28	30	32	34	36	38	40	43	45	48
-38.75°	24	26	28	30	31	33	35	37	39	41	43
-40°	22	24	26	27	29	31	32	34	36	38	39
-41.25°	20	21	23	25	27	28	30	31	33	34	36
-42.5°	17	19	21	22	24	26	27	29	30	31	33
-43.75°	15	17	18	20	22	23	25	26	27	29	30
-45°	12	14	16	18	19	21	22	23	25	26	27
-46.25°	10	11	13	15	16	18	19	21	22	23	24
-47.5°	7	8	10	12	13	15	16	18	19	20	21
-48.75°	4	5	7	9	11	12	13	15	16	17	18
-50°	3	3	4	6	7	9	10	12	13	14	15
-51.25°	3	3	3	3	4	6	7	8	10	11	12
-52.5°	2	2	3	3	3	3	4	5	6	7	9
-53.75°	2	2	2	2	3	3	3	3	3	4	5
-55°	2	2	2	2	2	2	2	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	2	2	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°	1	1	1	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	2	2	2	2
-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	0	0	1	1	1	1	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	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	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	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	3	3
57.5°	2	2	2	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	4	4	5	5	6
55°	3	3	4	5	6	7	7	8	9	9	10
53.75°	6	7	8	9	10	11	11	12	12	13	13
52.5°	10	11	12	13	13	14	15	15	16	16	17
51.25°	13	14	15	16	17	18	18	19	19	20	20
50°	16	17	18	19	20	21	21	22	23	23	23
48.75°	19	20	21	22	23	24	24	25	26	26	27
47.5°	22	23	24	25	26	27	28	28	29	29	30
46.25°	25	26	27	28	29	30	31	31	32	33	33
45°	28	29	30	31	32	33	34	35	36	36	37
43.75°	31	32	33	35	36	37	38	39	39	40	41
42.5°	34	36	37	38	39	41	42	43	44	45	46
41.25°	37	39	41	42	44	45	47	48	49	51	52
40°	41	43	45	47	48	50	53	55	56	58	59
38.75°	45	48	50	52	55	57	60	62	64	66	68
37.5°	50	53	56	59	62	64	67	70	72	75	77
36.25°	57	60	63	66	70	73	76	79	81	84	87
35°	63	67	71	75	78	82	85	89	92	96	98



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	70	75	79	83	88	92	96	100	104	107	112
32.5°	78	83	88	93	98	103	108	115	121	127	132
31.25°	86	92	98	104	110	119	127	134	141	147	157
30°	96	102	109	119	129	138	146	159	176	191	205
28.75°	106	116	127	137	147	165	185	205	222	238	253
27.5°	121	132	144	161	185	208	230	250	272	292	311
26.25°	137	149	175	202	227	252	279	305	329	351	371
25°	156	186	215	242	273	303	333	361	386	408	428
23.75°	192	223	254	289	323	356	387	415	440	462	481
22.5°	227	262	300	338	374	408	438	465	489	508	524
21.25°	265	306	347	386	422	455	484	508	528	541	552
20°	306	350	392	431	466	497	522	539	554	566	576
18.75°	347	392	434	472	504	530	548	563	576	589	601
17.5°	386	431	472	506	533	553	569	584	599	613	626
16.25°	422	466	504	533	554	572	589	606	622	637	652
15°	455	497	530	553	572	591	609	627	645	663	677
13.75°	484	522	548	569	589	609	629	650	669	685	702
12.5°	508	539	563	584	606	627	650	671	690	709	730
11.25°	528	554	576	599	622	645	669	690	712	735	758
10°	541	566	589	613	637	663	685	709	735	761	787
8.75°	552	576	601	626	652	677	702	730	758	787	813
7.5°	561	586	611	637	665	690	718	749	779	809	836
6.25°	569	594	621	648	676	703	734	766	799	829	855
5°	575	601	629	657	684	714	747	781	814	844	870
3.75°	580	607	635	664	692	723	757	793	827	856	881
2.5°	584	611	640	669	698	730	765	802	835	865	889
1.25°	586	613	642	672	701	734	770	807	840	870	894
0°	587	614	643	673	702	736	772	809	842	872	896
-1.25°	586	613	642	672	701	734	770	807	840	870	894
-2.5°	584	611	640	669	698	730	765	802	835	865	889
-3.75°	580	607	635	664	692	723	757	793	827	856	881
-5°	575	601	629	657	684	714	747	781	814	844	870
-6.25°	569	594	621	648	676	703	734	766	799	829	855
-7.5°	561	586	611	637	665	690	718	749	779	809	836
-8.75°	552	576	601	626	652	677	702	730	758	787	813
-10°	541	566	589	613	637	663	685	709	735	761	787
-11.25°	528	554	576	599	622	645	669	690	712	735	758
-12.5°	508	539	563	584	606	627	650	671	690	709	730
-13.75°	484	522	548	569	589	609	629	650	669	685	702
-15°	455	497	530	553	572	591	609	627	645	663	677
-16.25°	422	466	504	533	554	572	589	606	622	637	652
-17.5°	386	431	472	506	533	553	569	584	599	613	626
-18.75°	347	392	434	472	504	530	548	563	576	589	601
-20°	306	350	392	431	466	497	522	539	554	566	576
-21.25°	265	306	347	386	422	455	484	508	528	541	552



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	227	262	300	338	374	408	438	465	489	508	524
-23.75°	192	223	254	289	323	356	387	415	440	462	481
-25°	156	186	215	242	273	303	333	361	386	408	428
-26.25°	137	149	175	202	227	252	279	305	329	351	371
-27.5°	121	132	144	161	185	208	230	250	272	292	311
-28.75°	106	116	127	137	147	165	185	205	222	238	253
-30°	96	102	109	119	129	138	146	159	176	191	205
-31.25°	86	92	98	104	110	119	127	134	141	147	157
-32.5°	78	83	88	93	98	103	108	115	121	127	132
-33.75°	70	75	79	83	88	92	96	100	104	107	112
-35°	63	67	71	75	78	82	85	89	92	96	98
-36.25°	57	60	63	66	70	73	76	79	81	84	87
-37.5°	50	53	56	59	62	64	67	70	72	75	77
-38.75°	45	48	50	52	55	57	60	62	64	66	68
-40°	41	43	45	47	48	50	53	55	56	58	59
-41.25°	37	39	41	42	44	45	47	48	49	51	52
-42.5°	34	36	37	38	39	41	42	43	44	45	46
-43.75°	31	32	33	35	36	37	38	39	39	40	41
-45°	28	29	30	31	32	33	34	35	36	36	37
-46.25°	25	26	27	28	29	30	31	31	32	33	33
-47.5°	22	23	24	25	26	27	28	28	29	29	30
-48.75°	19	20	21	22	23	24	24	25	26	26	27
-50°	16	17	18	19	20	21	21	22	23	23	23
-51.25°	13	14	15	16	17	18	18	19	19	20	20
-52.5°	10	11	12	13	13	14	15	15	16	16	17
-53.75°	6	7	8	9	10	11	11	12	12	13	13
-55°	3	3	4	5	6	7	7	8	9	9	10
-56.25°	3	3	3	3	3	3	4	4	5	5	6
-57.5°	2	2	2	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	2	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°	1	1	2	2	2	2	2	2	2	2	2
-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	0	0	0	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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	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	2	1	1	1	1
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°	6	6	7	7	7	7	7	7	7	7	7
55°	10	10	11	11	11	11	11	11	11	11	11
53.75°	14	14	14	14	15	15	15	15	15	14	14
52.5°	17	18	18	18	18	18	18	18	18	18	18
51.25°	21	21	21	21	22	22	22	22	22	21	21
50°	24	24	24	25	25	25	25	25	25	25	24
48.75°	27	27	28	28	28	28	28	28	28	28	28
47.5°	30	31	31	31	31	31	31	31	31	31	31
46.25°	34	34	35	35	35	35	35	35	35	35	35
45°	38	38	38	39	39	39	39	39	39	39	38
43.75°	42	43	43	43	44	44	44	44	44	43	43
42.5°	47	48	48	48	49	49	49	49	49	48	48
41.25°	53	54	55	56	56	57	57	57	56	56	55
40°	61	62	63	63	64	64	64	64	64	63	63
38.75°	69	71	72	73	73	74	74	74	73	73	72
37.5°	78	80	81	82	83	83	83	83	83	82	81
36.25°	89	91	92	94	95	95	95	95	95	94	92
35°	101	103	105	106	107	107	108	107	107	106	105



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	116	120	123	126	127	128	129	128	127	126	123
32.5°	137	141	144	147	149	150	150	150	149	147	144
31.25°	168	178	186	192	196	199	200	199	196	192	186
30°	216	227	235	241	246	249	250	249	246	241	235
28.75°	268	281	292	300	306	310	311	310	306	300	292
27.5°	328	342	353	362	369	373	374	373	369	362	353
26.25°	388	402	414	423	430	434	435	434	430	423	414
25°	445	459	470	479	485	489	490	489	485	479	470
23.75°	496	508	517	525	529	531	532	531	529	525	517
22.5°	534	543	550	555	558	560	561	560	558	555	550
21.25°	561	569	575	580	584	586	587	586	584	580	575
20°	586	594	601	607	611	613	614	613	611	607	601
18.75°	611	621	629	635	640	642	643	642	640	635	629
17.5°	637	648	657	664	669	672	673	672	669	664	657
16.25°	665	676	684	692	698	701	702	701	698	692	684
15°	690	703	714	723	730	734	736	734	730	723	714
13.75°	718	734	747	757	765	770	772	770	765	757	747
12.5°	749	766	781	793	802	807	809	807	802	793	781
11.25°	779	799	814	827	835	840	842	840	835	827	814
10°	809	829	844	856	865	870	872	870	865	856	844
8.75°	836	855	870	881	889	894	896	894	889	881	870
7.5°	858	877	891	902	910	914	916	914	910	902	891
6.25°	877	894	909	919	925	928	929	928	925	919	909
5°	891	909	922	929	932	933	934	933	932	929	922
3.75°	902	919	929	933	934	934	934	934	934	933	929
2.5°	910	925	932	934	933	931	930	931	933	934	932
1.25°	914	928	933	934	931	928	928	928	931	934	933
0°	916	929	934	934	930	928	930	928	930	934	934
-1.25°	914	928	933	934	931	928	928	928	931	934	933
-2.5°	910	925	932	934	933	931	930	931	933	934	932
-3.75°	902	919	929	933	934	934	934	934	934	933	929
-5°	891	909	922	929	932	933	934	933	932	929	922
-6.25°	877	894	909	919	925	928	929	928	925	919	909
-7.5°	858	877	891	902	910	914	916	914	910	902	891
-8.75°	836	855	870	881	889	894	896	894	889	881	870
-10°	809	829	844	856	865	870	872	870	865	856	844
-11.25°	779	799	814	827	835	840	842	840	835	827	814
-12.5°	749	766	781	793	802	807	809	807	802	793	781
-13.75°	718	734	747	757	765	770	772	770	765	757	747
-15°	690	703	714	723	730	734	736	734	730	723	714
-16.25°	665	676	684	692	698	701	702	701	698	692	684
-17.5°	637	648	657	664	669	672	673	672	669	664	657
-18.75°	611	621	629	635	640	642	643	642	640	635	629
-20°	586	594	601	607	611	613	614	613	611	607	601
-21.25°	561	569	575	580	584	586	587	586	584	580	575





REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	534	543	550	555	558	560	561	560	558	555	550
-23.75°	496	508	517	525	529	531	532	531	529	525	517
-25°	445	459	470	479	485	489	490	489	485	479	470
-26.25°	388	402	414	423	430	434	435	434	430	423	414
-27.5°	328	342	353	362	369	373	374	373	369	362	353
-28.75°	268	281	292	300	306	310	311	310	306	300	292
-30°	216	227	235	241	246	249	250	249	246	241	235
-31.25°	168	178	186	192	196	199	200	199	196	192	186
-32.5°	137	141	144	147	149	150	150	150	149	147	144
-33.75°	116	120	123	126	127	128	129	128	127	126	123
-35°	101	103	105	106	107	107	108	107	107	106	105
-36.25°	89	91	92	94	95	95	95	95	95	94	92
-37.5°	78	80	81	82	83	83	83	83	83	82	81
-38.75°	69	71	72	73	73	74	74	74	73	73	72
-40°	61	62	63	63	64	64	64	64	64	63	63
-41.25°	53	54	55	56	56	57	57	57	56	56	55
-42.5°	47	48	48	48	49	49	49	49	49	48	48
-43.75°	42	43	43	43	44	44	44	44	44	43	43
-45°	38	38	38	39	39	39	39	39	39	39	38
-46.25°	34	34	35	35	35	35	35	35	35	35	35
-47.5°	30	31	31	31	31	31	31	31	31	31	31
-48.75°	27	27	28	28	28	28	28	28	28	28	28
-50°	24	24	24	25	25	25	25	25	25	25	24
-51.25°	21	21	21	21	22	22	22	22	22	21	21
-52.5°	17	18	18	18	18	18	18	18	18	18	18
-53.75°	14	14	14	14	15	15	15	15	15	14	14
-55°	10	10	11	11	11	11	11	11	11	11	11
-56.25°	6	6	7	7	7	7	7	7	7	7	7
-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°	1	1	1	1	1	1	2	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	0	0	0	0	0	0	0	0



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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	1	1	1	1	0	0
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°	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	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	2
56.25°	6	6	6	5	5	4	4	3	3	3	3
55°	10	10	10	9	9	8	7	7	6	5	4
53.75°	14	14	13	13	12	12	11	11	10	9	8
52.5°	18	17	17	16	16	15	15	14	13	13	12
51.25°	21	21	20	20	19	19	18	18	17	16	15
50°	24	24	23	23	23	22	21	21	20	19	18
48.75°	27	27	27	26	26	25	24	24	23	22	21
47.5°	31	30	30	29	29	28	28	27	26	25	24
46.25°	34	34	33	33	32	31	31	30	29	28	27
45°	38	38	37	36	36	35	34	33	32	31	30
43.75°	43	42	41	40	39	39	38	37	36	35	33
42.5°	48	47	46	45	44	43	42	41	39	38	37
41.25°	54	53	52	51	49	48	47	45	44	42	41
40°	62	61	59	58	56	55	53	50	48	47	45
38.75°	71	69	68	66	64	62	60	57	55	52	50
37.5°	80	78	77	75	72	70	67	64	62	59	56
36.25°	91	89	87	84	81	79	76	73	70	66	63
35°	103	101	98	96	92	89	85	82	78	75	71



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	120	116	112	107	104	100	96	92	88	83	79
32.5°	141	137	132	127	121	115	108	103	98	93	88
31.25°	178	168	157	147	141	134	127	119	110	104	98
30°	227	216	205	191	176	159	146	138	129	119	109
28.75°	281	268	253	238	222	205	185	165	147	137	127
27.5°	342	328	311	292	272	250	230	208	185	161	144
26.25°	402	388	371	351	329	305	279	252	227	202	175
25°	459	445	428	408	386	361	333	303	273	242	215
23.75°	508	496	481	462	440	415	387	356	323	289	254
22.5°	543	534	524	508	489	465	438	408	374	338	300
21.25°	569	561	552	541	528	508	484	455	422	386	347
20°	594	586	576	566	554	539	522	497	466	431	392
18.75°	621	611	601	589	576	563	548	530	504	472	434
17.5°	648	637	626	613	599	584	569	553	533	506	472
16.25°	676	665	652	637	622	606	589	572	554	533	504
15°	703	690	677	663	645	627	609	591	572	553	530
13.75°	734	718	702	685	669	650	629	609	589	569	548
12.5°	766	749	730	709	690	671	650	627	606	584	563
11.25°	799	779	758	735	712	690	669	645	622	599	576
10°	829	809	787	761	735	709	685	663	637	613	589
8.75°	855	836	813	787	758	730	702	677	652	626	601
7.5°	877	858	836	809	779	749	718	690	665	637	611
6.25°	894	877	855	829	799	766	734	703	676	648	621
5°	909	891	870	844	814	781	747	714	684	657	629
3.75°	919	902	881	856	827	793	757	723	692	664	635
2.5°	925	910	889	865	835	802	765	730	698	669	640
1.25°	928	914	894	870	840	807	770	734	701	672	642
0°	929	916	896	872	842	809	772	736	702	673	643
-1.25°	928	914	894	870	840	807	770	734	701	672	642
-2.5°	925	910	889	865	835	802	765	730	698	669	640
-3.75°	919	902	881	856	827	793	757	723	692	664	635
-5°	909	891	870	844	814	781	747	714	684	657	629
-6.25°	894	877	855	829	799	766	734	703	676	648	621
-7.5°	877	858	836	809	779	749	718	690	665	637	611
-8.75°	855	836	813	787	758	730	702	677	652	626	601
-10°	829	809	787	761	735	709	685	663	637	613	589
-11.25°	799	779	758	735	712	690	669	645	622	599	576
-12.5°	766	749	730	709	690	671	650	627	606	584	563
-13.75°	734	718	702	685	669	650	629	609	589	569	548
-15°	703	690	677	663	645	627	609	591	572	553	530
-16.25°	676	665	652	637	622	606	589	572	554	533	504
-17.5°	648	637	626	613	599	584	569	553	533	506	472
-18.75°	621	611	601	589	576	563	548	530	504	472	434
-20°	594	586	576	566	554	539	522	497	466	431	392
-21.25°	569	561	552	541	528	508	484	455	422	386	347



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	543	534	524	508	489	465	438	408	374	338	300
-23.75°	508	496	481	462	440	415	387	356	323	289	254
-25°	459	445	428	408	386	361	333	303	273	242	215
-26.25°	402	388	371	351	329	305	279	252	227	202	175
-27.5°	342	328	311	292	272	250	230	208	185	161	144
-28.75°	281	268	253	238	222	205	185	165	147	137	127
-30°	227	216	205	191	176	159	146	138	129	119	109
-31.25°	178	168	157	147	141	134	127	119	110	104	98
-32.5°	141	137	132	127	121	115	108	103	98	93	88
-33.75°	120	116	112	107	104	100	96	92	88	83	79
-35°	103	101	98	96	92	89	85	82	78	75	71
-36.25°	91	89	87	84	81	79	76	73	70	66	63
-37.5°	80	78	77	75	72	70	67	64	62	59	56
-38.75°	71	69	68	66	64	62	60	57	55	52	50
-40°	62	61	59	58	56	55	53	50	48	47	45
-41.25°	54	53	52	51	49	48	47	45	44	42	41
-42.5°	48	47	46	45	44	43	42	41	39	38	37
-43.75°	43	42	41	40	39	39	38	37	36	35	33
-45°	38	38	37	36	36	35	34	33	32	31	30
-46.25°	34	34	33	33	32	31	31	30	29	28	27
-47.5°	31	30	30	29	29	28	28	27	26	25	24
-48.75°	27	27	27	26	26	25	24	24	23	22	21
-50°	24	24	23	23	23	22	21	21	20	19	18
-51.25°	21	21	20	20	19	19	18	18	17	16	15
-52.5°	18	17	17	16	16	15	15	14	13	13	12
-53.75°	14	14	13	13	12	12	11	11	10	9	8
-55°	10	10	10	9	9	8	7	7	6	5	4
-56.25°	6	6	6	5	5	4	4	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	2
-58.75°	3	3	3	3	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°	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	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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°	1	1	1	1	1	1	1	0	0	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°	2	2	2	2	2	2	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	1
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°	3	3	3	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	2	2	2	2	2
53.75°	7	6	5	4	3	3	3	3	3	2	2
52.5°	11	10	9	7	6	5	4	3	3	3	3
51.25°	14	13	12	11	10	8	7	6	4	3	3
50°	17	16	15	14	13	12	10	9	7	6	4
48.75°	20	19	18	17	16	15	13	12	11	9	7
47.5°	23	22	21	20	19	18	16	15	13	12	10
46.25°	26	25	24	23	22	21	19	18	16	15	13
45°	29	28	27	26	25	23	22	21	19	18	16
43.75°	32	31	30	29	27	26	25	23	22	20	18
42.5°	36	34	33	31	30	29	27	26	24	22	21
41.25°	39	37	36	34	33	31	30	28	27	25	23
40°	43	41	39	38	36	34	32	31	29	27	26
38.75°	48	45	43	41	39	37	35	33	31	30	28
37.5°	53	50	48	45	43	40	38	36	34	32	30
36.25°	60	57	53	49	47	44	42	39	37	35	32
35°	67	63	59	56	52	48	45	43	40	37	35



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	75	70	66	62	58	53	49	46	43	40	38
32.5°	83	78	73	68	63	59	55	50	47	44	40
31.25°	92	86	81	76	70	65	60	55	51	47	44
30°	102	96	89	83	77	72	66	61	56	51	47
28.75°	116	106	99	92	84	78	72	66	61	55	50
27.5°	132	121	108	101	93	85	78	72	66	60	55
26.25°	149	137	124	111	101	93	85	78	72	65	59
25°	186	156	139	125	111	101	93	84	77	70	63
23.75°	223	192	160	140	125	111	101	92	83	76	68
22.5°	262	227	194	160	139	124	108	99	89	81	73
21.25°	306	265	227	192	156	137	121	106	96	86	78
20°	350	306	262	223	186	149	132	116	102	92	83
18.75°	392	347	300	254	215	175	144	127	109	98	88
17.5°	431	386	338	289	242	202	161	137	119	104	93
16.25°	466	422	374	323	273	227	185	147	129	110	98
15°	497	455	408	356	303	252	208	165	138	119	103
13.75°	522	484	438	387	333	279	230	185	146	127	108
12.5°	539	508	465	415	361	305	250	205	159	134	115
11.25°	554	528	489	440	386	329	272	222	176	141	121
10°	566	541	508	462	408	351	292	238	191	147	127
8.75°	576	552	524	481	428	371	311	253	205	157	132
7.5°	586	561	534	496	445	388	328	268	216	168	137
6.25°	594	569	543	508	459	402	342	281	227	178	141
5°	601	575	550	517	470	414	353	292	235	186	144
3.75°	607	580	555	525	479	423	362	300	241	192	147
2.5°	611	584	558	529	485	430	369	306	246	196	149
1.25°	613	586	560	531	489	434	373	310	249	199	150
0°	614	587	561	532	490	435	374	311	250	200	150
-1.25°	613	586	560	531	489	434	373	310	249	199	150
-2.5°	611	584	558	529	485	430	369	306	246	196	149
-3.75°	607	580	555	525	479	423	362	300	241	192	147
-5°	601	575	550	517	470	414	353	292	235	186	144
-6.25°	594	569	543	508	459	402	342	281	227	178	141
-7.5°	586	561	534	496	445	388	328	268	216	168	137
-8.75°	576	552	524	481	428	371	311	253	205	157	132
-10°	566	541	508	462	408	351	292	238	191	147	127
-11.25°	554	528	489	440	386	329	272	222	176	141	121
-12.5°	539	508	465	415	361	305	250	205	159	134	115
-13.75°	522	484	438	387	333	279	230	185	146	127	108
-15°	497	455	408	356	303	252	208	165	138	119	103
-16.25°	466	422	374	323	273	227	185	147	129	110	98
-17.5°	431	386	338	289	242	202	161	137	119	104	93
-18.75°	392	347	300	254	215	175	144	127	109	98	88
-20°	350	306	262	223	186	149	132	116	102	92	83
-21.25°	306	265	227	192	156	137	121	106	96	86	78





REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	262	227	194	160	139	124	108	99	89	81	73
-23.75°	223	192	160	140	125	111	101	92	83	76	68
-25°	186	156	139	125	111	101	93	84	77	70	63
-26.25°	149	137	124	111	101	93	85	78	72	65	59
-27.5°	132	121	108	101	93	85	78	72	66	60	55
-28.75°	116	106	99	92	84	78	72	66	61	55	50
-30°	102	96	89	83	77	72	66	61	56	51	47
-31.25°	92	86	81	76	70	65	60	55	51	47	44
-32.5°	83	78	73	68	63	59	55	50	47	44	40
-33.75°	75	70	66	62	58	53	49	46	43	40	38
-35°	67	63	59	56	52	48	45	43	40	37	35
-36.25°	60	57	53	49	47	44	42	39	37	35	32
-37.5°	53	50	48	45	43	40	38	36	34	32	30
-38.75°	48	45	43	41	39	37	35	33	31	30	28
-40°	43	41	39	38	36	34	32	31	29	27	26
-41.25°	39	37	36	34	33	31	30	28	27	25	23
-42.5°	36	34	33	31	30	29	27	26	24	22	21
-43.75°	32	31	30	29	27	26	25	23	22	20	18
-45°	29	28	27	26	25	23	22	21	19	18	16
-46.25°	26	25	24	23	22	21	19	18	16	15	13
-47.5°	23	22	21	20	19	18	16	15	13	12	10
-48.75°	20	19	18	17	16	15	13	12	11	9	7
-50°	17	16	15	14	13	12	10	9	7	6	4
-51.25°	14	13	12	11	10	8	7	6	4	3	3
-52.5°	11	10	9	7	6	5	4	3	3	3	3
-53.75°	7	6	5	4	3	3	3	3	3	2	2
-55°	3	3	3	3	3	3	2	2	2	2	2
-56.25°	3	3	3	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	1
-67.5°	2	2	2	2	2	2	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	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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	1	1	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	1	1	1	0
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°	2	2	1	1	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	1	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	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°	3	3	2	2	2	2	2	2	2	2	2
50°	3	3	3	3	2	2	2	2	2	2	2
48.75°	5	4	3	3	3	2	2	2	2	2	2
47.5°	8	7	5	3	3	3	2	2	2	2	2
46.25°	11	10	8	6	4	3	3	3	2	2	2
45°	14	12	10	8	6	4	3	3	3	2	2
43.75°	17	15	13	11	9	7	4	3	3	3	2
42.5°	19	17	15	13	11	9	7	4	3	3	3
41.25°	21	20	18	16	14	12	9	7	4	3	3
40°	24	22	20	18	16	14	12	9	7	4	3
38.75°	26	24	22	20	18	16	14	11	9	6	4
37.5°	28	26	24	22	20	18	16	13	11	8	6
36.25°	30	28	26	24	22	20	18	15	13	10	8
35°	33	30	28	26	24	22	20	17	15	12	10



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	35	33	30	28	26	24	21	19	17	14	11
32.5°	38	35	32	30	28	26	23	21	18	16	13
31.25°	40	37	35	32	30	27	25	22	20	18	15
30°	43	40	37	34	31	29	27	24	22	19	16
28.75°	46	43	39	36	33	31	28	26	23	21	18
27.5°	49	45	42	38	35	32	30	27	25	22	19
26.25°	53	48	44	40	37	34	31	29	26	23	21
25°	58	52	47	43	39	36	33	30	27	25	22
23.75°	62	56	49	45	41	38	34	31	29	26	23
22.5°	66	59	53	48	43	39	36	33	30	27	24
21.25°	70	63	57	50	45	41	37	34	31	28	25
20°	75	67	60	53	48	43	39	36	32	29	26
18.75°	79	71	63	56	50	45	41	37	33	30	27
17.5°	83	75	66	59	52	47	42	38	35	31	28
16.25°	88	78	70	62	55	48	44	39	36	32	29
15°	92	82	73	64	57	50	45	41	37	33	30
13.75°	96	85	76	67	60	53	47	42	38	34	31
12.5°	100	89	79	70	62	55	48	43	39	35	31
11.25°	104	92	81	72	64	56	49	44	39	36	32
10°	107	96	84	75	66	58	51	45	40	36	33
8.75°	112	98	87	77	68	59	52	46	41	37	33
7.5°	116	101	89	78	69	61	53	47	42	38	34
6.25°	120	103	91	80	71	62	54	48	43	38	34
5°	123	105	92	81	72	63	55	48	43	38	35
3.75°	126	106	94	82	73	63	56	48	43	39	35
2.5°	127	107	95	83	73	64	56	49	44	39	35
1.25°	128	107	95	83	74	64	57	49	44	39	35
0°	129	108	95	83	74	64	57	49	44	39	35
-1.25°	128	107	95	83	74	64	57	49	44	39	35
-2.5°	127	107	95	83	73	64	56	49	44	39	35
-3.75°	126	106	94	82	73	63	56	48	43	39	35
-5°	123	105	92	81	72	63	55	48	43	38	35
-6.25°	120	103	91	80	71	62	54	48	43	38	34
-7.5°	116	101	89	78	69	61	53	47	42	38	34
-8.75°	112	98	87	77	68	59	52	46	41	37	33
-10°	107	96	84	75	66	58	51	45	40	36	33
-11.25°	104	92	81	72	64	56	49	44	39	36	32
-12.5°	100	89	79	70	62	55	48	43	39	35	31
-13.75°	96	85	76	67	60	53	47	42	38	34	31
-15°	92	82	73	64	57	50	45	41	37	33	30
-16.25°	88	78	70	62	55	48	44	39	36	32	29
-17.5°	83	75	66	59	52	47	42	38	35	31	28
-18.75°	79	71	63	56	50	45	41	37	33	30	27
-20°	75	67	60	53	48	43	39	36	32	29	26
-21.25°	70	63	57	50	45	41	37	34	31	28	25



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	66	59	53	48	43	39	36	33	30	27	24
-23.75°	62	56	49	45	41	38	34	31	29	26	23
-25°	58	52	47	43	39	36	33	30	27	25	22
-26.25°	53	48	44	40	37	34	31	29	26	23	21
-27.5°	49	45	42	38	35	32	30	27	25	22	19
-28.75°	46	43	39	36	33	31	28	26	23	21	18
-30°	43	40	37	34	31	29	27	24	22	19	16
-31.25°	40	37	35	32	30	27	25	22	20	18	15
-32.5°	38	35	32	30	28	26	23	21	18	16	13
-33.75°	35	33	30	28	26	24	21	19	17	14	11
-35°	33	30	28	26	24	22	20	17	15	12	10
-36.25°	30	28	26	24	22	20	18	15	13	10	8
-37.5°	28	26	24	22	20	18	16	13	11	8	6
-38.75°	26	24	22	20	18	16	14	11	9	6	4
-40°	24	22	20	18	16	14	12	9	7	4	3
-41.25°	21	20	18	16	14	12	9	7	4	3	3
-42.5°	19	17	15	13	11	9	7	4	3	3	3
-43.75°	17	15	13	11	9	7	4	3	3	3	2
-45°	14	12	10	8	6	4	3	3	3	2	2
-46.25°	11	10	8	6	4	3	3	3	2	2	2
-47.5°	8	7	5	3	3	3	2	2	2	2	2
-48.75°	5	4	3	3	3	2	2	2	2	2	2
-50°	3	3	3	3	2	2	2	2	2	2	2
-51.25°	3	3	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	2
-61.25°	2	2	2	2	2	2	2	2	2	1	1
-62.5°	2	2	2	2	2	2	2	1	1	1	1
-63.75°	2	2	2	2	2	1	1	1	1	1	1
-65°	2	2	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	0
-72.5°	1	1	1	1	1	1	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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°	1	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	0	0	0	0	0	0
66.25°	1	1	1	1	1	1	1	0	0	0	0
65°	1	1	1	1	1	1	1	1	0	0	0
63.75°	1	1	1	1	1	1	1	1	1	1	0
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	1	1	1	1	1	1	1	1
56.25°	2	2	2	2	1	1	1	1	1	1	1
55°	2	2	2	2	2	1	1	1	1	1	1
53.75°	2	2	2	2	2	2	1	1	1	1	1
52.5°	2	2	2	2	2	2	2	1	1	1	1
51.25°	2	2	2	2	2	2	2	2	1	1	1
50°	2	2	2	2	2	2	2	2	2	1	1
48.75°	2	2	2	2	2	2	2	2	2	2	1
47.5°	2	2	2	2	2	2	2	2	2	2	1
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°	3	2	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°	5	3	3	2	2	2	2	2	2	2	2
35°	7	4	3	3	2	2	2	2	2	2	2



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	8	5	3	3	2	2	2	2	2	2	2
32.5°	10	7	4	3	3	2	2	2	2	2	2
31.25°	12	9	6	3	3	2	2	2	2	2	2
30°	13	11	7	4	3	3	2	2	2	2	2
28.75°	15	12	9	6	3	3	2	2	2	2	2
27.5°	16	13	10	7	4	3	2	2	2	2	2
26.25°	18	15	12	8	5	3	3	2	2	2	2
25°	19	16	13	10	6	3	3	2	2	2	2
23.75°	20	17	14	11	7	4	3	2	2	2	2
22.5°	21	18	15	12	9	5	3	3	2	2	2
21.25°	22	19	16	13	10	6	3	3	2	2	2
20°	23	20	17	14	11	7	3	3	2	2	2
18.75°	24	21	18	15	12	8	4	3	2	2	2
17.5°	25	22	19	16	13	9	5	3	3	2	2
16.25°	26	23	20	17	13	10	6	3	3	2	2
15°	27	24	21	18	14	11	7	3	3	2	2
13.75°	28	24	21	18	15	11	7	4	3	2	2
12.5°	28	25	22	19	15	12	8	4	3	2	2
11.25°	29	26	23	19	16	12	9	5	3	2	2
10°	29	26	23	20	16	13	9	5	3	3	2
8.75°	30	27	23	20	17	13	10	6	3	3	2
7.5°	30	27	24	21	17	14	10	6	3	3	2
6.25°	31	27	24	21	18	14	10	6	3	3	2
5°	31	28	24	21	18	14	11	7	3	3	2
3.75°	31	28	25	21	18	14	11	7	3	3	2
2.5°	31	28	25	22	18	15	11	7	3	3	2
1.25°	31	28	25	22	18	15	11	7	3	3	2
0°	31	28	25	22	18	15	11	7	3	3	2
-1.25°	31	28	25	22	18	15	11	7	3	3	2
-2.5°	31	28	25	22	18	15	11	7	3	3	2
-3.75°	31	28	25	21	18	14	11	7	3	3	2
-5°	31	28	24	21	18	14	11	7	3	3	2
-6.25°	31	27	24	21	18	14	10	6	3	3	2
-7.5°	30	27	24	21	17	14	10	6	3	3	2
-8.75°	30	27	23	20	17	13	10	6	3	3	2
-10°	29	26	23	20	16	13	9	5	3	3	2
-11.25°	29	26	23	19	16	12	9	5	3	2	2
-12.5°	28	25	22	19	15	12	8	4	3	2	2
-13.75°	28	24	21	18	15	11	7	4	3	2	2
-15°	27	24	21	18	14	11	7	3	3	2	2
-16.25°	26	23	20	17	13	10	6	3	3	2	2
-17.5°	25	22	19	16	13	9	5	3	3	2	2
-18.75°	24	21	18	15	12	8	4	3	2	2	2
-20°	23	20	17	14	11	7	3	3	2	2	2
-21.25°	22	19	16	13	10	6	3	3	2	2	2





REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	21	18	15	12	9	5	3	3	2	2	2
-23.75°	20	17	14	11	7	4	3	2	2	2	2
-25°	19	16	13	10	6	3	3	2	2	2	2
-26.25°	18	15	12	8	5	3	3	2	2	2	2
-27.5°	16	13	10	7	4	3	2	2	2	2	2
-28.75°	15	12	9	6	3	3	2	2	2	2	2
-30°	13	11	7	4	3	3	2	2	2	2	2
-31.25°	12	9	6	3	3	2	2	2	2	2	2
-32.5°	10	7	4	3	3	2	2	2	2	2	2
-33.75°	8	5	3	3	2	2	2	2	2	2	2
-35°	7	4	3	3	2	2	2	2	2	2	2
-36.25°	5	3	3	2	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	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	1
-48.75°	2	2	2	2	2	2	2	2	2	2	1
-50°	2	2	2	2	2	2	2	2	2	1	1
-51.25°	2	2	2	2	2	2	2	2	1	1	1
-52.5°	2	2	2	2	2	2	2	1	1	1	1
-53.75°	2	2	2	2	2	2	1	1	1	1	1
-55°	2	2	2	2	2	1	1	1	1	1	1
-56.25°	2	2	2	2	1	1	1	1	1	1	1
-57.5°	2	2	2	1	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	0
-65°	1	1	1	1	1	1	1	1	0	0	0
-66.25°	1	1	1	1	1	1	1	0	0	0	0
-67.5°	1	1	1	1	1	0	0	0	0	0	0
-68.75°	1	1	1	0	0	0	0	0	0	0	0
-70°	1	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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°	1	0	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	1	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	1	0	0	0	0	0	0	0
55°	1	1	1	1	1	0	0	0	0	0	0
53.75°	1	1	1	1	1	0	0	0	0	0	0
52.5°	1	1	1	1	1	1	0	0	0	0	0
51.25°	1	1	1	1	1	1	0	0	0	0	0
50°	1	1	1	1	1	1	1	0	0	0	0
48.75°	1	1	1	1	1	1	1	0	0	0	0
47.5°	1	1	1	1	1	1	1	1	0	0	0
46.25°	1	1	1	1	1	1	1	1	0	0	0
45°	1	1	1	1	1	1	1	1	1	0	0
43.75°	2	1	1	1	1	1	1	1	1	0	0
42.5°	2	1	1	1	1	1	1	1	1	0	0
41.25°	2	2	1	1	1	1	1	1	1	0	0
40°	2	2	1	1	1	1	1	1	1	1	0
38.75°	2	2	2	1	1	1	1	1	1	1	0
37.5°	2	2	2	1	1	1	1	1	1	1	0
36.25°	2	2	2	1	1	1	1	1	1	1	0
35°	2	2	2	2	1	1	1	1	1	1	1



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	2	2	2	2	1	1	1	1	1	1	1
32.5°	2	2	2	2	1	1	1	1	1	1	1
31.25°	2	2	2	2	2	1	1	1	1	1	1
30°	2	2	2	2	2	1	1	1	1	1	1
28.75°	2	2	2	2	2	1	1	1	1	1	1
27.5°	2	2	2	2	2	1	1	1	1	1	1
26.25°	2	2	2	2	2	2	1	1	1	1	1
25°	2	2	2	2	2	2	1	1	1	1	1
23.75°	2	2	2	2	2	2	1	1	1	1	1
22.5°	2	2	2	2	2	2	1	1	1	1	1
21.25°	2	2	2	2	2	2	1	1	1	1	1
20°	2	2	2	2	2	2	1	1	1	1	1
18.75°	2	2	2	2	2	2	2	1	1	1	1
17.5°	2	2	2	2	2	2	2	1	1	1	1
16.25°	2	2	2	2	2	2	2	1	1	1	1
15°	2	2	2	2	2	2	2	1	1	1	1
13.75°	2	2	2	2	2	2	2	1	1	1	1
12.5°	2	2	2	2	2	2	2	1	1	1	1
11.25°	2	2	2	2	2	2	2	1	1	1	1
10°	2	2	2	2	2	2	2	1	1	1	1
8.75°	2	2	2	2	2	2	2	1	1	1	1
7.5°	2	2	2	2	2	2	2	1	1	1	1
6.25°	2	2	2	2	2	2	2	1	1	1	1
5°	2	2	2	2	2	2	2	1	1	1	1
3.75°	2	2	2	2	2	2	2	1	1	1	1
2.5°	2	2	2	2	2	2	2	1	1	1	1
1.25°	2	2	2	2	2	2	2	1	1	1	1
0°	2	2	2	2	2	2	2	2	1	1	1
-1.25°	2	2	2	2	2	2	2	1	1	1	1
-2.5°	2	2	2	2	2	2	2	1	1	1	1
-3.75°	2	2	2	2	2	2	2	1	1	1	1
-5°	2	2	2	2	2	2	2	1	1	1	1
-6.25°	2	2	2	2	2	2	2	1	1	1	1
-7.5°	2	2	2	2	2	2	2	1	1	1	1
-8.75°	2	2	2	2	2	2	2	1	1	1	1
-10°	2	2	2	2	2	2	2	1	1	1	1
-11.25°	2	2	2	2	2	2	2	1	1	1	1
-12.5°	2	2	2	2	2	2	2	1	1	1	1
-13.75°	2	2	2	2	2	2	2	1	1	1	1
-15°	2	2	2	2	2	2	2	1	1	1	1
-16.25°	2	2	2	2	2	2	2	1	1	1	1
-17.5°	2	2	2	2	2	2	2	1	1	1	1
-18.75°	2	2	2	2	2	2	2	1	1	1	1
-20°	2	2	2	2	2	2	1	1	1	1	1
-21.25°	2	2	2	2	2	2	1	1	1	1	1



REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	2	2	2	2	1	1	1	1	1
-23.75°	2	2	2	2	2	2	1	1	1	1	1
-25°	2	2	2	2	2	2	1	1	1	1	1
-26.25°	2	2	2	2	2	2	1	1	1	1	1
-27.5°	2	2	2	2	2	1	1	1	1	1	1
-28.75°	2	2	2	2	2	1	1	1	1	1	1
-30°	2	2	2	2	2	1	1	1	1	1	1
-31.25°	2	2	2	2	2	1	1	1	1	1	1
-32.5°	2	2	2	2	1	1	1	1	1	1	1
-33.75°	2	2	2	2	1	1	1	1	1	1	1
-35°	2	2	2	2	1	1	1	1	1	1	1
-36.25°	2	2	2	1	1	1	1	1	1	1	0
-37.5°	2	2	2	1	1	1	1	1	1	1	0
-38.75°	2	2	2	1	1	1	1	1	1	1	0
-40°	2	2	1	1	1	1	1	1	1	1	0
-41.25°	2	2	1	1	1	1	1	1	1	0	0
-42.5°	2	1	1	1	1	1	1	1	1	0	0
-43.75°	2	1	1	1	1	1	1	1	1	0	0
-45°	1	1	1	1	1	1	1	1	1	0	0
-46.25°	1	1	1	1	1	1	1	1	0	0	0
-47.5°	1	1	1	1	1	1	1	1	0	0	0
-48.75°	1	1	1	1	1	1	1	0	0	0	0
-50°	1	1	1	1	1	1	1	0	0	0	0
-51.25°	1	1	1	1	1	1	0	0	0	0	0
-52.5°	1	1	1	1	1	1	0	0	0	0	0
-53.75°	1	1	1	1	1	0	0	0	0	0	0
-55°	1	1	1	1	1	0	0	0	0	0	0
-56.25°	1	1	1	1	0	0	0	0	0	0	0
-57.5°	1	1	1	0	0	0	0	0	0	0	0
-58.75°	1	1	1	0	0	0	0	0	0	0	0
-60°	1	1	0	0	0	0	0	0	0	0	0
-61.25°	1	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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°	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	0
30°	0	0	0	0	0	0	0	0	0	0	0
28.75°	0	0	0	0	0	0	0	0	0	0	0
27.5°	1	0	0	0	0	0	0	0	0	0	0
26.25°	1	0	0	0	0	0	0	0	0	0	0
25°	1	0	0	0	0	0	0	0	0	0	0
23.75°	1	0	0	0	0	0	0	0	0	0	0
22.5°	1	0	0	0	0	0	0	0	0	0	0
21.25°	1	0	0	0	0	0	0	0	0	0	0
20°	1	0	0	0	0	0	0	0	0	0	0
18.75°	1	0	0	0	0	0	0	0	0	0	0
17.5°	1	0	0	0	0	0	0	0	0	0	0
16.25°	1	1	0	0	0	0	0	0	0	0	0
15°	1	1	0	0	0	0	0	0	0	0	0
13.75°	1	1	0	0	0	0	0	0	0	0	0
12.5°	1	1	0	0	0	0	0	0	0	0	0
11.25°	1	1	0	0	0	0	0	0	0	0	0
10°	1	1	0	0	0	0	0	0	0	0	0
8.75°	1	1	0	0	0	0	0	0	0	0	0
7.5°	1	1	0	0	0	0	0	0	0	0	0
6.25°	1	1	0	0	0	0	0	0	0	0	0
5°	1	1	0	0	0	0	0	0	0	0	0
3.75°	1	1	0	0	0	0	0	0	0	0	0
2.5°	1	1	0	0	0	0	0	0	0	0	0
1.25°	1	1	0	0	0	0	0	0	0	0	0
0°	1	1	0	0	0	0	0	0	0	0	0
-1.25°	1	1	0	0	0	0	0	0	0	0	0
-2.5°	1	1	0	0	0	0	0	0	0	0	0
-3.75°	1	1	0	0	0	0	0	0	0	0	0
-5°	1	1	0	0	0	0	0	0	0	0	0
-6.25°	1	1	0	0	0	0	0	0	0	0	0
-7.5°	1	1	0	0	0	0	0	0	0	0	0
-8.75°	1	1	0	0	0	0	0	0	0	0	0
-10°	1	1	0	0	0	0	0	0	0	0	0
-11.25°	1	1	0	0	0	0	0	0	0	0	0
-12.5°	1	1	0	0	0	0	0	0	0	0	0
-13.75°	1	1	0	0	0	0	0	0	0	0	0
-15°	1	1	0	0	0	0	0	0	0	0	0
-16.25°	1	1	0	0	0	0	0	0	0	0	0
-17.5°	1	0	0	0	0	0	0	0	0	0	0
-18.75°	1	0	0	0	0	0	0	0	0	0	0
-20°	1	0	0	0	0	0	0	0	0	0	0
-21.25°	1	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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	0	0	0	0	0	0	0	0	0	0
-23.75°	1	0	0	0	0	0	0	0	0	0	0
-25°	1	0	0	0	0	0	0	0	0	0	0
-26.25°	1	0	0	0	0	0	0	0	0	0	0
-27.5°	1	0	0	0	0	0	0	0	0	0	0
-28.75°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-31.25°	0	0	0	0	0	0	0	0	0	0	0
-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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: P220698 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-W-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)