

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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3097-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
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-S-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT
OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

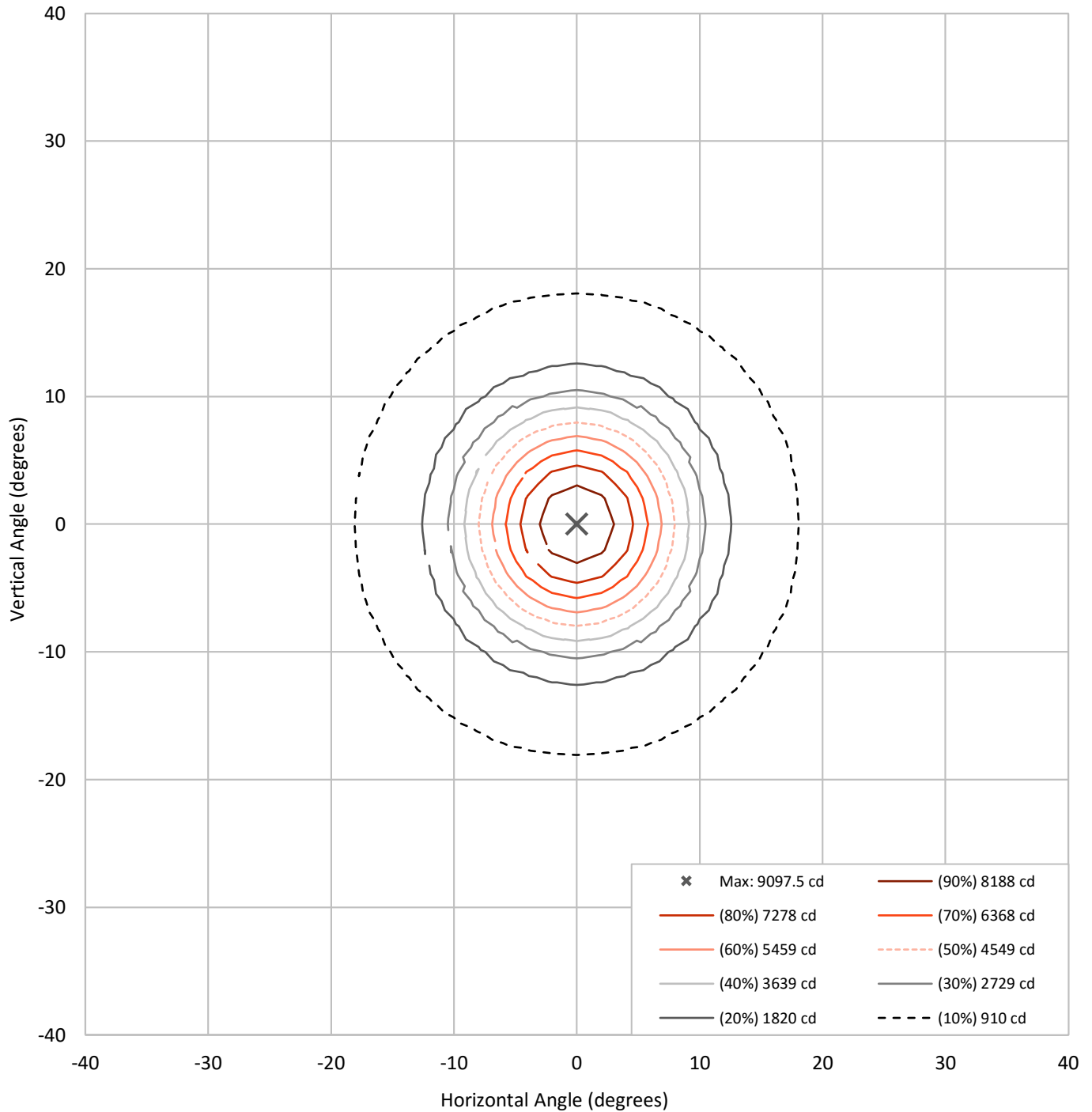
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1198 lumens	Max Intensity:	9097.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	59.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	16°H x 16°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	391.2 lumens	Field Lumens:	843.6 lumens
Beam Efficiency:	32.7%	Field Efficiency:	70.4%
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		

REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-BK-L2-UNV

Iso-Candela Plot





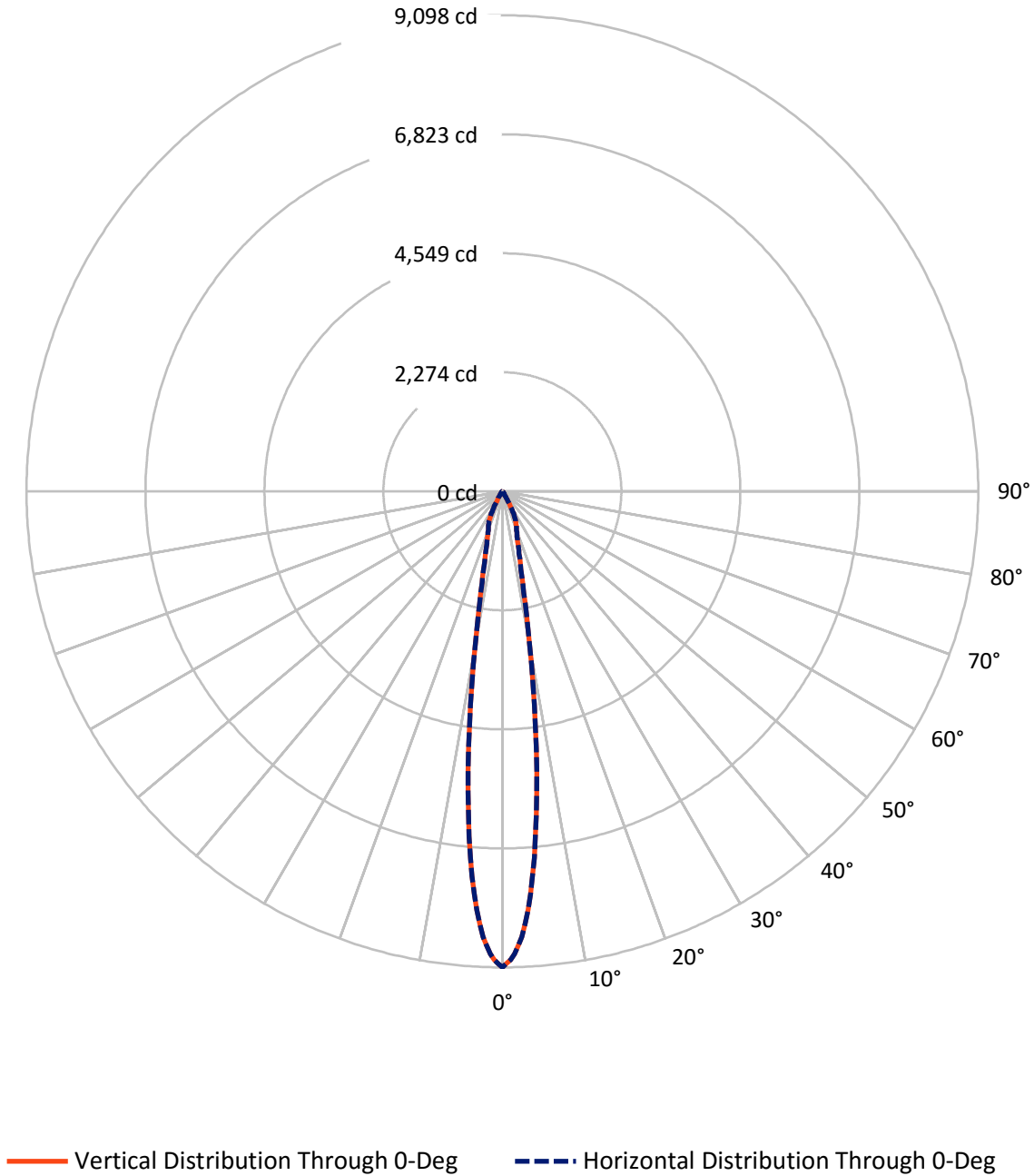
REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-BK-L2-UNV

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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.1	0.1	0.1	0.3	0.7	1.6	1.6	0.7	0.3	0.1	0.1	0.1		0.0
30	0.0	0.0	0.1	0.1	0.3	1.7	8.8	15.4	15.4	8.8	1.7	0.3	0.1	0.1	0.0	0.0
20		0.0	0.1	0.1	0.6	8.3	22.2	37.6	37.6	22.2	8.3	0.6	0.1	0.1	0.0	
10	0.0	0.0	0.1	0.2	1.3	14.1	36.6	147.4	147.4	36.6	14.1	1.3	0.2	0.1	0.0	0.0
0		0.0	0.1	0.2	1.3	14.1	36.6	147.4	147.4	36.6	14.1	1.3	0.2	0.1	0.0	
-10	0.0	0.0	0.1	0.1	0.6	8.3	22.2	37.6	37.6	22.2	8.3	0.6	0.1	0.1	0.0	0.0
-20		0.0	0.1	0.1	0.3	1.7	8.8	15.4	15.4	8.8	1.7	0.3	0.1	0.1	0.0	
-30	0.0	0.0	0.1	0.1	0.1	0.3	0.7	1.6	1.6	0.7	0.3	0.1	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	0.0	
-50	0.0	0.0	0.0	0.1	0.1	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	0.0	
-70	0.0	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
-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	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	

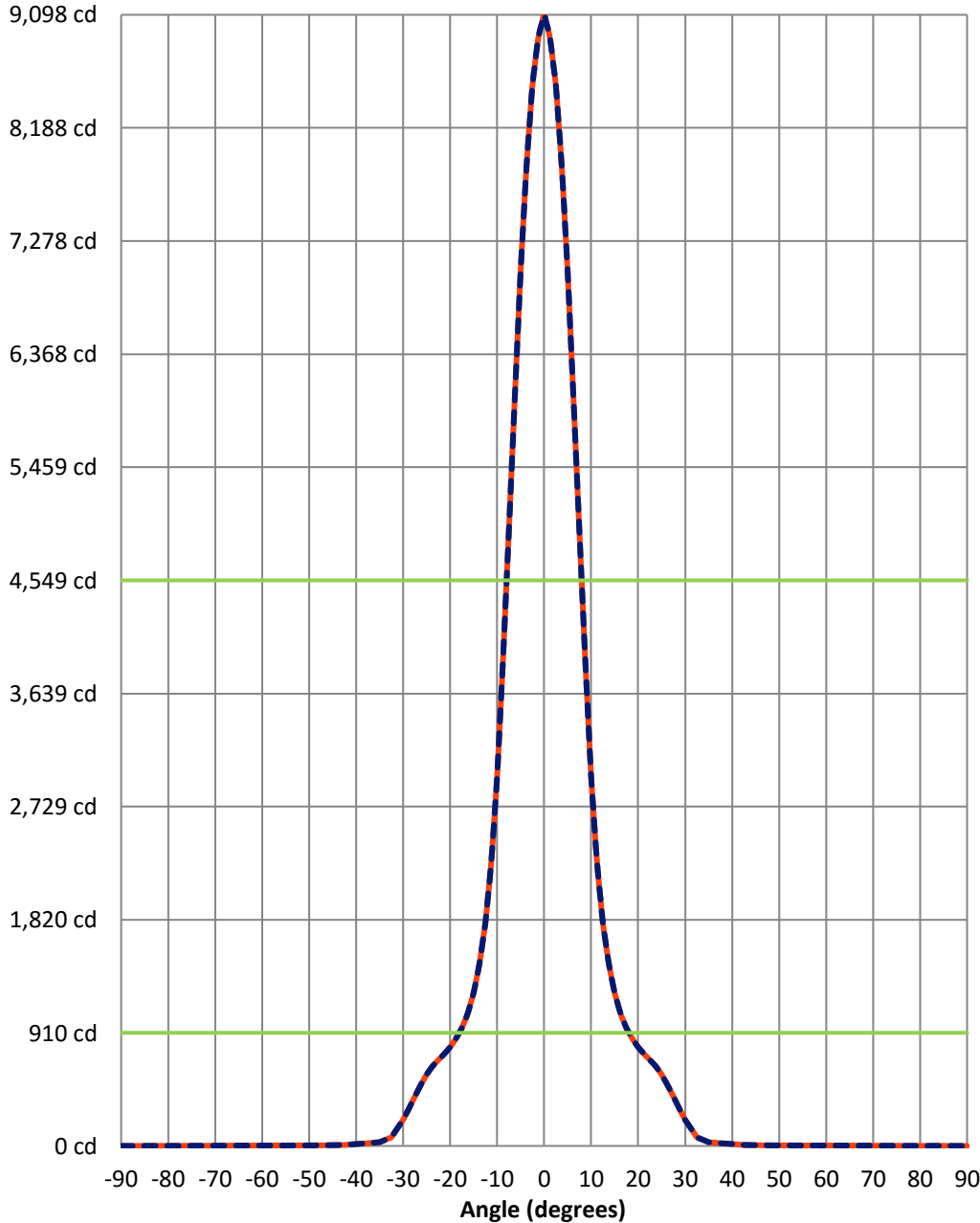
REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 16°
 V Angle: 16°
 Lumens: 391.2
 Efficiency: 32.7%

Field:
 H Angle: 36.1°
 V Angle: 36.1°
 Lumens: 843.6
 Efficiency: 70.4%

Spill:
 Lumens: 354.5
 Efficiency: 29.6%

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



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1
67.5°	0	0	0	0	0	0	0	0	0	0	1
66.25°	0	0	0	0	0	0	0	0	0	1	1
65°	0	0	0	0	0	0	0	0	0	1	1
63.75°	0	0	0	0	0	0	0	0	1	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
61.25°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	0	1	1	1	1
58.75°	0	0	0	0	0	0	0	1	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
56.25°	0	0	0	0	0	0	0	1	1	1	1
55°	0	0	0	0	0	0	1	1	1	1	1
53.75°	0	0	0	0	0	0	1	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
51.25°	0	0	0	0	0	0	1	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	0	1	1	1	1	1
46.25°	0	0	0	0	0	1	1	1	1	1	1
45°	0	0	0	0	0	1	1	1	1	1	1
43.75°	0	0	0	0	0	1	1	1	1	1	1
42.5°	0	0	0	0	0	1	1	1	1	1	1
41.25°	0	0	0	0	0	1	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	1
38.75°	0	0	0	0	0	1	1	1	1	1	1
37.5°	0	0	0	0	0	1	1	1	1	1	1
36.25°	0	0	0	0	0	1	1	1	1	1	1
35°	0	0	0	0	0	1	1	1	1	1	1



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	1	1	1
32.5°	0	0	0	0	0	1	1	1	1	1	1
31.25°	0	0	0	0	0	1	1	1	1	1	1
30°	0	0	0	0	1	1	1	1	1	1	1
28.75°	0	0	0	0	1	1	1	1	1	1	1
27.5°	0	0	0	0	1	1	1	1	1	1	1
26.25°	0	0	0	0	1	1	1	1	1	1	1
25°	0	0	0	0	1	1	1	1	1	1	1
23.75°	0	0	0	0	1	1	1	1	1	1	1
22.5°	0	0	0	0	1	1	1	1	1	1	1
21.25°	0	0	0	0	1	1	1	1	1	1	1
20°	0	0	0	0	1	1	1	1	1	1	1
18.75°	0	0	0	0	1	1	1	1	1	1	1
17.5°	0	0	0	0	1	1	1	1	1	1	1
16.25°	0	0	0	0	1	1	1	1	1	1	1
15°	0	0	0	0	1	1	1	1	1	1	1
13.75°	0	0	0	0	1	1	1	1	1	1	1
12.5°	0	0	0	0	1	1	1	1	1	1	1
11.25°	0	0	0	0	1	1	1	1	1	1	1
10°	0	0	0	0	1	1	1	1	1	1	1
8.75°	0	0	0	0	1	1	1	1	1	1	1
7.5°	0	0	0	0	1	1	1	1	1	1	1
6.25°	0	0	0	0	1	1	1	1	1	1	1
5°	0	0	0	0	1	1	1	1	1	1	1
3.75°	0	0	0	0	1	1	1	1	1	1	1
2.5°	0	0	0	0	1	1	1	1	1	1	1
1.25°	0	0	0	0	1	1	1	1	1	1	1
0°	0	0	0	0	1	1	1	1	1	1	1
-1.25°	0	0	0	0	1	1	1	1	1	1	1
-2.5°	0	0	0	0	1	1	1	1	1	1	1
-3.75°	0	0	0	0	1	1	1	1	1	1	1
-5°	0	0	0	0	1	1	1	1	1	1	1
-6.25°	0	0	0	0	1	1	1	1	1	1	1
-7.5°	0	0	0	0	1	1	1	1	1	1	1
-8.75°	0	0	0	0	1	1	1	1	1	1	1
-10°	0	0	0	0	1	1	1	1	1	1	1
-11.25°	0	0	0	0	1	1	1	1	1	1	1
-12.5°	0	0	0	0	1	1	1	1	1	1	1
-13.75°	0	0	0	0	1	1	1	1	1	1	1
-15°	0	0	0	0	1	1	1	1	1	1	1
-16.25°	0	0	0	0	1	1	1	1	1	1	1
-17.5°	0	0	0	0	1	1	1	1	1	1	1
-18.75°	0	0	0	0	1	1	1	1	1	1	1
-20°	0	0	0	0	1	1	1	1	1	1	1
-21.25°	0	0	0	0	1	1	1	1	1	1	1



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	1	1	1	1
-23.75°	0	0	0	0	1	1	1	1	1	1	1
-25°	0	0	0	0	1	1	1	1	1	1	1
-26.25°	0	0	0	0	1	1	1	1	1	1	1
-27.5°	0	0	0	0	1	1	1	1	1	1	1
-28.75°	0	0	0	0	1	1	1	1	1	1	1
-30°	0	0	0	0	1	1	1	1	1	1	1
-31.25°	0	0	0	0	0	1	1	1	1	1	1
-32.5°	0	0	0	0	0	1	1	1	1	1	1
-33.75°	0	0	0	0	0	1	1	1	1	1	1
-35°	0	0	0	0	0	1	1	1	1	1	1
-36.25°	0	0	0	0	0	1	1	1	1	1	1
-37.5°	0	0	0	0	0	1	1	1	1	1	1
-38.75°	0	0	0	0	0	1	1	1	1	1	1
-40°	0	0	0	0	0	1	1	1	1	1	1
-41.25°	0	0	0	0	0	1	1	1	1	1	1
-42.5°	0	0	0	0	0	1	1	1	1	1	1
-43.75°	0	0	0	0	0	1	1	1	1	1	1
-45°	0	0	0	0	0	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	0	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	1	1	1	1	1
-52.5°	0	0	0	0	0	0	1	1	1	1	1
-53.75°	0	0	0	0	0	0	1	1	1	1	1
-55°	0	0	0	0	0	0	1	1	1	1	1
-56.25°	0	0	0	0	0	0	0	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-58.75°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	1	1	1	1
-61.25°	0	0	0	0	0	0	0	0	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-63.75°	0	0	0	0	0	0	0	0	1	1	1
-65°	0	0	0	0	0	0	0	0	0	1	1
-66.25°	0	0	0	0	0	0	0	0	0	1	1
-67.5°	0	0	0	0	0	0	0	0	0	0	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1
78.75°	0	0	0	0	0	0	0	0	1	1	1
77.5°	0	0	0	0	0	0	1	1	1	1	1
76.25°	0	0	0	0	1	1	1	1	1	1	1
75°	0	0	0	1	1	1	1	1	1	1	1
73.75°	0	0	1	1	1	1	1	1	1	1	1
72.5°	0	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
56.25°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
53.75°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
51.25°	1	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
48.75°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	1
46.25°	1	1	1	1	1	1	1	1	1	1	1
45°	1	1	1	1	1	1	1	1	1	1	2
43.75°	1	1	1	1	1	1	1	1	1	1	2
42.5°	1	1	1	1	1	1	1	1	1	2	2
41.25°	1	1	1	1	1	1	1	1	1	2	2
40°	1	1	1	1	1	1	1	1	2	2	2
38.75°	1	1	1	1	1	1	1	1	2	2	2
37.5°	1	1	1	1	1	1	1	1	2	2	2
36.25°	1	1	1	1	1	1	1	2	2	2	2
35°	1	1	1	1	1	1	1	2	2	2	2



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	2	2	2	2
32.5°	1	1	1	1	1	1	1	2	2	2	2
31.25°	1	1	1	1	1	1	2	2	2	2	2
30°	1	1	1	1	1	1	2	2	2	2	2
28.75°	1	1	1	1	1	1	2	2	2	2	2
27.5°	1	1	1	1	1	1	2	2	2	2	2
26.25°	1	1	1	1	1	2	2	2	2	2	2
25°	1	1	1	1	1	2	2	2	2	2	2
23.75°	1	1	1	1	1	2	2	2	2	2	2
22.5°	1	1	1	1	1	2	2	2	2	2	3
21.25°	1	1	1	1	1	2	2	2	2	2	3
20°	1	1	1	1	1	2	2	2	2	2	3
18.75°	1	1	1	1	1	2	2	2	2	2	3
17.5°	1	1	1	1	1	2	2	2	2	2	3
16.25°	1	1	1	1	2	2	2	2	2	3	3
15°	1	1	1	1	2	2	2	2	2	3	3
13.75°	1	1	1	1	2	2	2	2	2	3	3
12.5°	1	1	1	1	2	2	2	2	2	3	3
11.25°	1	1	1	1	2	2	2	2	2	3	3
10°	1	1	1	1	2	2	2	2	2	3	3
8.75°	1	1	1	1	2	2	2	2	2	3	3
7.5°	1	1	1	1	2	2	2	2	2	3	3
6.25°	1	1	1	1	2	2	2	2	2	3	3
5°	1	1	1	1	2	2	2	2	2	3	3
3.75°	1	1	1	1	2	2	2	2	2	3	3
2.5°	1	1	1	1	2	2	2	2	2	3	3
1.25°	1	1	1	1	2	2	2	2	2	3	3
0°	1	1	1	1	2	2	2	2	2	3	3
-1.25°	1	1	1	1	2	2	2	2	2	3	3
-2.5°	1	1	1	1	2	2	2	2	2	3	3
-3.75°	1	1	1	1	2	2	2	2	2	3	3
-5°	1	1	1	1	2	2	2	2	2	3	3
-6.25°	1	1	1	1	2	2	2	2	2	3	3
-7.5°	1	1	1	1	2	2	2	2	2	3	3
-8.75°	1	1	1	1	2	2	2	2	2	3	3
-10°	1	1	1	1	2	2	2	2	2	3	3
-11.25°	1	1	1	1	2	2	2	2	2	3	3
-12.5°	1	1	1	1	2	2	2	2	2	3	3
-13.75°	1	1	1	1	2	2	2	2	2	3	3
-15°	1	1	1	1	2	2	2	2	2	3	3
-16.25°	1	1	1	1	2	2	2	2	2	3	3
-17.5°	1	1	1	1	1	2	2	2	2	2	3
-18.75°	1	1	1	1	1	2	2	2	2	2	3
-20°	1	1	1	1	1	2	2	2	2	2	3
-21.25°	1	1	1	1	1	2	2	2	2	2	3



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	2	2	2	2	2	3
-23.75°	1	1	1	1	1	2	2	2	2	2	2
-25°	1	1	1	1	1	2	2	2	2	2	2
-26.25°	1	1	1	1	1	2	2	2	2	2	2
-27.5°	1	1	1	1	1	1	2	2	2	2	2
-28.75°	1	1	1	1	1	1	2	2	2	2	2
-30°	1	1	1	1	1	1	2	2	2	2	2
-31.25°	1	1	1	1	1	1	2	2	2	2	2
-32.5°	1	1	1	1	1	1	1	2	2	2	2
-33.75°	1	1	1	1	1	1	1	2	2	2	2
-35°	1	1	1	1	1	1	1	2	2	2	2
-36.25°	1	1	1	1	1	1	1	2	2	2	2
-37.5°	1	1	1	1	1	1	1	1	2	2	2
-38.75°	1	1	1	1	1	1	1	1	2	2	2
-40°	1	1	1	1	1	1	1	1	2	2	2
-41.25°	1	1	1	1	1	1	1	1	1	2	2
-42.5°	1	1	1	1	1	1	1	1	1	2	2
-43.75°	1	1	1	1	1	1	1	1	1	1	2
-45°	1	1	1	1	1	1	1	1	1	1	2
-46.25°	1	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-48.75°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	1
-51.25°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-53.75°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-56.25°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	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°	0	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	1	1	1	1	1	1	1	1	1
-75°	0	0	0	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	1	1	1	1	1



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	1
-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	1	1
81.25°	0	0	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	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	2
60°	1	1	1	1	1	1	1	1	1	2	2
58.75°	1	1	1	1	1	1	1	2	2	2	2
57.5°	1	1	1	1	1	1	2	2	2	2	2
56.25°	1	1	1	1	1	2	2	2	2	2	2
55°	1	1	1	1	2	2	2	2	2	2	2
53.75°	1	1	1	2	2	2	2	2	2	2	2
52.5°	1	1	1	2	2	2	2	2	2	2	2
51.25°	1	1	2	2	2	2	2	2	2	2	2
50°	1	2	2	2	2	2	2	2	2	2	3
48.75°	1	2	2	2	2	2	2	2	2	3	3
47.5°	2	2	2	2	2	2	2	2	3	3	3
46.25°	2	2	2	2	2	2	2	3	3	3	3
45°	2	2	2	2	2	2	2	3	3	3	3
43.75°	2	2	2	2	2	2	3	3	3	3	3
42.5°	2	2	2	2	2	3	3	3	3	3	3
41.25°	2	2	2	2	2	3	3	3	3	3	3
40°	2	2	2	2	3	3	3	3	3	3	3
38.75°	2	2	2	2	3	3	3	3	3	3	4
37.5°	2	2	2	3	3	3	3	3	3	3	4
36.25°	2	2	2	3	3	3	3	3	3	4	4
35°	2	2	3	3	3	3	3	3	3	4	4



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	3	3	3	3	3	3	4	4	4
32.5°	2	3	3	3	3	3	3	3	4	4	4
31.25°	2	3	3	3	3	3	3	4	4	4	4
30°	2	3	3	3	3	3	3	4	4	4	4
28.75°	2	3	3	3	3	3	4	4	4	4	4
27.5°	3	3	3	3	3	3	4	4	4	4	4
26.25°	3	3	3	3	3	3	4	4	4	4	4
25°	3	3	3	3	3	4	4	4	4	4	4
23.75°	3	3	3	3	3	4	4	4	4	4	4
22.5°	3	3	3	3	3	4	4	4	4	4	4
21.25°	3	3	3	3	4	4	4	4	4	4	4
20°	3	3	3	3	4	4	4	4	4	4	4
18.75°	3	3	3	3	4	4	4	4	4	4	4
17.5°	3	3	3	3	4	4	4	4	4	4	4
16.25°	3	3	3	3	4	4	4	4	4	4	4
15°	3	3	3	4	4	4	4	4	4	4	4
13.75°	3	3	3	4	4	4	4	4	4	4	4
12.5°	3	3	3	4	4	4	4	4	4	4	4
11.25°	3	3	3	4	4	4	4	4	4	4	4
10°	3	3	3	4	4	4	4	4	4	4	4
8.75°	3	3	3	4	4	4	4	4	4	4	4
7.5°	3	3	3	4	4	4	4	4	4	4	4
6.25°	3	3	3	4	4	4	4	4	4	4	4
5°	3	3	3	4	4	4	4	4	4	4	4
3.75°	3	3	3	4	4	4	4	4	4	4	4
2.5°	3	3	3	4	4	4	4	4	4	4	4
1.25°	3	3	3	4	4	4	4	4	4	4	4
0°	3	3	4	4	4	4	4	4	4	4	4
-1.25°	3	3	3	4	4	4	4	4	4	4	4
-2.5°	3	3	3	4	4	4	4	4	4	4	4
-3.75°	3	3	3	4	4	4	4	4	4	4	4
-5°	3	3	3	4	4	4	4	4	4	4	4
-6.25°	3	3	3	4	4	4	4	4	4	4	4
-7.5°	3	3	3	4	4	4	4	4	4	4	4
-8.75°	3	3	3	4	4	4	4	4	4	4	4
-10°	3	3	3	4	4	4	4	4	4	4	4
-11.25°	3	3	3	4	4	4	4	4	4	4	4
-12.5°	3	3	3	4	4	4	4	4	4	4	4
-13.75°	3	3	3	4	4	4	4	4	4	4	4
-15°	3	3	3	4	4	4	4	4	4	4	4
-16.25°	3	3	3	3	4	4	4	4	4	4	4
-17.5°	3	3	3	3	4	4	4	4	4	4	4
-18.75°	3	3	3	3	4	4	4	4	4	4	4
-20°	3	3	3	3	4	4	4	4	4	4	4
-21.25°	3	3	3	3	4	4	4	4	4	4	4



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	3	3	3	3	3	4	4	4	4	4	4
-23.75°	3	3	3	3	3	4	4	4	4	4	4
-25°	3	3	3	3	3	4	4	4	4	4	4
-26.25°	3	3	3	3	3	3	4	4	4	4	4
-27.5°	3	3	3	3	3	3	4	4	4	4	4
-28.75°	2	3	3	3	3	3	4	4	4	4	4
-30°	2	3	3	3	3	3	3	4	4	4	4
-31.25°	2	3	3	3	3	3	3	4	4	4	4
-32.5°	2	3	3	3	3	3	3	3	4	4	4
-33.75°	2	2	3	3	3	3	3	3	4	4	4
-35°	2	2	3	3	3	3	3	3	3	4	4
-36.25°	2	2	2	3	3	3	3	3	3	4	4
-37.5°	2	2	2	3	3	3	3	3	3	3	4
-38.75°	2	2	2	2	3	3	3	3	3	3	4
-40°	2	2	2	2	3	3	3	3	3	3	3
-41.25°	2	2	2	2	2	3	3	3	3	3	3
-42.5°	2	2	2	2	2	3	3	3	3	3	3
-43.75°	2	2	2	2	2	2	3	3	3	3	3
-45°	2	2	2	2	2	2	2	3	3	3	3
-46.25°	2	2	2	2	2	2	2	3	3	3	3
-47.5°	2	2	2	2	2	2	2	2	3	3	3
-48.75°	1	2	2	2	2	2	2	2	2	3	3
-50°	1	2	2	2	2	2	2	2	2	2	3
-51.25°	1	1	2	2	2	2	2	2	2	2	2
-52.5°	1	1	1	2	2	2	2	2	2	2	2
-53.75°	1	1	1	2	2	2	2	2	2	2	2
-55°	1	1	1	1	2	2	2	2	2	2	2
-56.25°	1	1	1	1	1	2	2	2	2	2	2
-57.5°	1	1	1	1	1	1	2	2	2	2	2
-58.75°	1	1	1	1	1	1	1	2	2	2	2
-60°	1	1	1	1	1	1	1	1	1	2	2
-61.25°	1	1	1	1	1	1	1	1	1	1	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	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	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	0	0	0	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	1	1	1	1	1	1
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	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	2
66.25°	1	1	1	1	1	1	1	2	2	2	2
65°	1	1	1	1	1	2	2	2	2	2	2
63.75°	1	1	1	2	2	2	2	2	2	2	2
62.5°	1	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	2	2	2	2	3	3	3	3
56.25°	2	2	2	2	2	3	3	3	3	3	3
55°	2	2	2	2	3	3	3	3	3	3	3
53.75°	2	2	3	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	4
50°	3	3	3	3	3	3	3	3	4	4	4
48.75°	3	3	3	3	3	3	3	4	4	4	4
47.5°	3	3	3	3	3	3	4	4	4	4	4
46.25°	3	3	3	3	3	4	4	4	4	4	4
45°	3	3	3	4	4	4	4	4	4	4	4
43.75°	3	3	3	4	4	4	4	4	4	4	4
42.5°	3	3	4	4	4	4	4	4	4	4	4
41.25°	3	4	4	4	4	4	4	4	4	4	4
40°	4	4	4	4	4	4	4	4	4	4	4
38.75°	4	4	4	4	4	4	4	4	4	4	4
37.5°	4	4	4	4	4	4	4	4	4	4	4
36.25°	4	4	4	4	4	4	4	4	4	4	4
35°	4	4	4	4	4	4	4	4	4	4	5



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	4	4	4	4	4	4	4	4	4	5	5
32.5°	4	4	4	4	4	4	4	4	5	5	5
31.25°	4	4	4	4	4	4	4	4	5	5	6
30°	4	4	4	4	4	4	4	5	5	5	6
28.75°	4	4	4	4	4	4	5	5	5	6	6
27.5°	4	4	4	4	4	4	5	5	6	6	7
26.25°	4	4	4	4	4	5	5	5	6	7	7
25°	4	4	4	4	4	5	5	6	6	7	7
23.75°	4	4	4	4	5	5	5	6	7	7	8
22.5°	4	4	4	4	5	5	6	6	7	8	10
21.25°	4	4	4	5	5	5	6	7	7	8	12
20°	4	4	4	5	5	6	6	7	8	10	13
18.75°	4	4	4	5	5	6	7	7	8	11	15
17.5°	4	4	5	5	6	6	7	7	10	13	16
16.25°	4	4	5	5	6	6	7	8	11	14	17
15°	4	4	5	5	6	7	7	8	12	16	18
13.75°	4	4	5	5	6	7	7	10	13	17	20
12.5°	4	5	5	6	6	7	8	11	14	17	20
11.25°	4	5	5	6	6	7	8	12	15	18	21
10°	4	5	5	6	7	7	9	12	16	19	22
8.75°	4	5	5	6	7	7	9	13	17	20	23
7.5°	4	5	5	6	7	8	10	14	17	20	24
6.25°	4	5	5	6	7	8	10	14	18	21	25
5°	4	5	6	6	7	8	11	15	18	21	25
3.75°	5	5	6	6	7	8	11	15	18	21	26
2.5°	5	5	6	6	7	8	11	15	19	22	26
1.25°	5	5	6	6	7	8	12	15	19	22	26
0°	5	5	6	6	7	8	12	16	19	22	26
-1.25°	5	5	6	6	7	8	12	15	19	22	26
-2.5°	5	5	6	6	7	8	11	15	19	22	26
-3.75°	5	5	6	6	7	8	11	15	18	21	26
-5°	4	5	6	6	7	8	11	15	18	21	25
-6.25°	4	5	5	6	7	8	10	14	18	21	25
-7.5°	4	5	5	6	7	8	10	14	17	20	24
-8.75°	4	5	5	6	7	7	9	13	17	20	23
-10°	4	5	5	6	7	7	9	12	16	19	22
-11.25°	4	5	5	6	6	7	8	12	15	18	21
-12.5°	4	5	5	6	6	7	8	11	14	17	20
-13.75°	4	4	5	5	6	7	7	10	13	17	20
-15°	4	4	5	5	6	7	7	8	12	16	18
-16.25°	4	4	5	5	6	6	7	8	11	14	17
-17.5°	4	4	5	5	6	6	7	7	10	13	16
-18.75°	4	4	4	5	5	6	7	7	8	11	15
-20°	4	4	4	5	5	6	6	7	8	10	13
-21.25°	4	4	4	5	5	5	6	7	7	8	12



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	4	4	5	5	6	6	7	8	10
-23.75°	4	4	4	4	5	5	5	6	7	7	8
-25°	4	4	4	4	4	5	5	6	6	7	7
-26.25°	4	4	4	4	4	5	5	5	6	7	7
-27.5°	4	4	4	4	4	4	5	5	6	6	7
-28.75°	4	4	4	4	4	4	5	5	5	6	6
-30°	4	4	4	4	4	4	4	5	5	5	6
-31.25°	4	4	4	4	4	4	4	4	5	5	6
-32.5°	4	4	4	4	4	4	4	4	5	5	5
-33.75°	4	4	4	4	4	4	4	4	4	5	5
-35°	4	4	4	4	4	4	4	4	4	4	5
-36.25°	4	4	4	4	4	4	4	4	4	4	4
-37.5°	4	4	4	4	4	4	4	4	4	4	4
-38.75°	4	4	4	4	4	4	4	4	4	4	4
-40°	4	4	4	4	4	4	4	4	4	4	4
-41.25°	3	4	4	4	4	4	4	4	4	4	4
-42.5°	3	3	4	4	4	4	4	4	4	4	4
-43.75°	3	3	3	4	4	4	4	4	4	4	4
-45°	3	3	3	4	4	4	4	4	4	4	4
-46.25°	3	3	3	3	3	4	4	4	4	4	4
-47.5°	3	3	3	3	3	3	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	4	4	4
-51.25°	3	3	3	3	3	3	3	3	3	3	4
-52.5°	2	3	3	3	3	3	3	3	3	3	3
-53.75°	2	2	3	3	3	3	3	3	3	3	3
-55°	2	2	2	2	3	3	3	3	3	3	3
-56.25°	2	2	2	2	2	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	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°	1	2	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	2	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	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°	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	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	1	1	1	1	1	1	1	1	1
-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
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	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	2	2	2	2
68.75°	1	1	1	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	3
62.5°	2	2	2	2	2	2	3	3	3	3	3
61.25°	2	2	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
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	4	4	4
55°	3	3	3	3	3	4	4	4	4	4	4
53.75°	3	3	3	4	4	4	4	4	4	4	4
52.5°	3	4	4	4	4	4	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
43.75°	4	4	4	4	4	4	4	4	4	5	5
42.5°	4	4	4	4	4	4	4	5	5	5	5
41.25°	4	4	4	4	4	5	5	5	5	5	6
40°	4	4	4	4	5	5	5	5	6	6	6
38.75°	4	4	5	5	5	5	6	6	6	7	7
37.5°	4	5	5	5	5	6	6	7	7	7	8
36.25°	5	5	5	6	6	6	7	7	7	8	10
35°	5	5	6	6	7	7	7	8	9	11	13



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	7	7	7	8	10	12	14	16
32.5°	6	6	7	7	7	8	11	13	15	17	19
31.25°	6	7	7	7	9	11	13	16	18	19	21
30°	7	7	7	9	11	14	16	18	20	22	24
28.75°	7	7	8	11	14	16	18	20	22	25	27
27.5°	7	8	11	13	16	18	20	23	25	28	31
26.25°	8	10	13	16	18	20	23	25	28	33	45
25°	9	12	15	18	20	22	25	28	34	47	60
23.75°	11	14	17	19	22	25	28	33	47	61	83
22.5°	13	16	19	21	24	27	31	45	60	83	132
21.25°	15	18	20	23	26	30	42	57	78	129	179
20°	16	19	22	25	29	38	53	69	120	173	228
18.75°	18	20	24	27	32	48	64	105	161	216	284
17.5°	19	22	25	29	41	58	85	143	200	268	342
16.25°	20	23	27	33	50	67	120	179	244	320	398
15°	21	25	29	41	58	91	152	213	290	370	449
13.75°	23	27	31	48	66	120	182	253	335	418	495
12.5°	24	28	37	55	83	147	210	291	377	461	536
11.25°	25	29	43	62	106	171	243	328	416	498	573
10°	26	30	49	67	127	194	273	362	451	531	602
8.75°	27	35	54	79	147	214	301	393	480	560	628
7.5°	28	39	58	95	163	237	326	419	506	584	646
6.25°	29	42	62	109	177	256	348	442	527	602	660
5°	29	45	65	120	189	272	366	459	544	617	673
3.75°	30	47	67	129	198	284	380	473	557	629	681
2.5°	30	49	69	135	205	294	390	483	567	636	687
1.25°	30	50	70	139	209	300	396	488	573	640	691
0°	30	50	70	140	210	302	398	490	575	642	692
-1.25°	30	50	70	139	209	300	396	488	573	640	691
-2.5°	30	49	69	135	205	294	390	483	567	636	687
-3.75°	30	47	67	129	198	284	380	473	557	629	681
-5°	29	45	65	120	189	272	366	459	544	617	673
-6.25°	29	42	62	109	177	256	348	442	527	602	660
-7.5°	28	39	58	95	163	237	326	419	506	584	646
-8.75°	27	35	54	79	147	214	301	393	480	560	628
-10°	26	30	49	67	127	194	273	362	451	531	602
-11.25°	25	29	43	62	106	171	243	328	416	498	573
-12.5°	24	28	37	55	83	147	210	291	377	461	536
-13.75°	23	27	31	48	66	120	182	253	335	418	495
-15°	21	25	29	41	58	91	152	213	290	370	449
-16.25°	20	23	27	33	50	67	120	179	244	320	398
-17.5°	19	22	25	29	41	58	85	143	200	268	342
-18.75°	18	20	24	27	32	48	64	105	161	216	284
-20°	16	19	22	25	29	38	53	69	120	173	228
-21.25°	15	18	20	23	26	30	42	57	78	129	179



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	13	16	19	21	24	27	31	45	60	83	132
-23.75°	11	14	17	19	22	25	28	33	47	61	83
-25°	9	12	15	18	20	22	25	28	34	47	60
-26.25°	8	10	13	16	18	20	23	25	28	33	45
-27.5°	7	8	11	13	16	18	20	23	25	28	31
-28.75°	7	7	8	11	14	16	18	20	22	25	27
-30°	7	7	7	9	11	14	16	18	20	22	24
-31.25°	6	7	7	7	9	11	13	16	18	19	21
-32.5°	6	6	7	7	7	8	11	13	15	17	19
-33.75°	5	6	6	7	7	7	8	10	12	14	16
-35°	5	5	6	6	7	7	7	8	9	11	13
-36.25°	5	5	5	6	6	6	7	7	7	8	10
-37.5°	4	5	5	5	5	6	6	7	7	7	8
-38.75°	4	4	5	5	5	5	6	6	6	7	7
-40°	4	4	4	4	5	5	5	5	6	6	6
-41.25°	4	4	4	4	4	5	5	5	5	5	6
-42.5°	4	4	4	4	4	4	4	5	5	5	5
-43.75°	4	4	4	4	4	4	4	4	4	5	5
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	4	4	4	4	4	4	4	4	4	4
-53.75°	3	3	3	4	4	4	4	4	4	4	4
-55°	3	3	3	3	3	4	4	4	4	4	4
-56.25°	3	3	3	3	3	3	3	3	4	4	4
-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°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	3	3	3	3	3
-63.75°	2	2	2	2	2	2	2	2	2	2	3
-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	1	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	0	0	0	0	1	1	1	1	1	1	1
-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
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	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	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	3	3	3	3	3	3	3
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	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°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	5	5	5	5
46.25°	4	4	4	5	5	5	5	5	5	5	5
45°	5	5	5	5	5	5	5	6	6	6	6
43.75°	5	5	5	6	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	7	8	8	9	9
40°	7	7	7	7	8	8	10	11	12	12	13
38.75°	7	8	8	10	11	12	13	14	15	16	17
37.5°	8	10	11	13	14	16	17	17	18	19	20
36.25°	12	13	15	16	17	18	20	20	21	22	23
35°	15	16	18	19	20	21	23	24	25	26	27



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	18	19	20	22	23	25	27	28	29	30	35
32.5°	20	22	24	25	27	29	31	37	43	49	54
31.25°	23	25	27	29	33	41	48	55	62	67	79
30°	26	29	32	41	50	58	66	83	106	127	147
28.75°	30	38	48	58	67	91	120	147	171	194	214
27.5°	42	53	64	85	120	152	182	210	243	273	301
26.25°	57	69	105	143	179	213	253	291	328	362	393
25°	78	120	161	200	244	290	335	377	416	451	480
23.75°	129	173	216	268	320	370	418	461	498	531	560
22.5°	179	228	284	342	398	449	495	536	573	602	628
21.25°	232	293	356	416	471	521	566	602	634	657	677
20°	293	360	425	484	538	585	625	654	680	700	720
18.75°	356	425	489	546	596	638	669	695	720	743	767
17.5°	416	484	546	600	643	677	706	734	763	791	821
16.25°	471	538	596	643	680	711	743	777	812	847	886
15°	521	585	638	677	711	746	784	824	868	915	963
13.75°	566	625	669	706	743	784	829	879	934	992	1064
12.5°	602	654	695	734	777	824	879	941	1011	1096	1201
11.25°	634	680	720	763	812	868	934	1011	1110	1231	1368
10°	657	700	743	791	847	915	992	1096	1231	1387	1578
8.75°	677	720	767	821	886	963	1064	1201	1368	1578	1841
7.5°	693	738	788	847	923	1014	1143	1311	1523	1801	2162
6.25°	706	753	809	876	958	1067	1221	1416	1684	2046	2533
5°	718	768	827	900	988	1119	1299	1533	1857	2306	2931
3.75°	727	780	841	920	1021	1168	1363	1628	2014	2572	3325
2.5°	734	788	853	936	1045	1204	1412	1718	2155	2791	3628
1.25°	738	793	861	946	1059	1225	1450	1775	2242	2926	3833
0°	740	795	863	949	1064	1232	1463	1794	2271	2972	3906
-1.25°	738	793	861	946	1059	1225	1450	1775	2242	2926	3833
-2.5°	734	788	853	936	1045	1204	1412	1718	2155	2791	3628
-3.75°	727	780	841	920	1021	1168	1363	1628	2014	2572	3325
-5°	718	768	827	900	988	1119	1299	1533	1857	2306	2931
-6.25°	706	753	809	876	958	1067	1221	1416	1684	2046	2533
-7.5°	693	738	788	847	923	1014	1143	1311	1523	1801	2162
-8.75°	677	720	767	821	886	963	1064	1201	1368	1578	1841
-10°	657	700	743	791	847	915	992	1096	1231	1387	1578
-11.25°	634	680	720	763	812	868	934	1011	1110	1231	1368
-12.5°	602	654	695	734	777	824	879	941	1011	1096	1201
-13.75°	566	625	669	706	743	784	829	879	934	992	1064
-15°	521	585	638	677	711	746	784	824	868	915	963
-16.25°	471	538	596	643	680	711	743	777	812	847	886
-17.5°	416	484	546	600	643	677	706	734	763	791	821
-18.75°	356	425	489	546	596	638	669	695	720	743	767
-20°	293	360	425	484	538	585	625	654	680	700	720
-21.25°	232	293	356	416	471	521	566	602	634	657	677



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	179	228	284	342	398	449	495	536	573	602	628
-23.75°	129	173	216	268	320	370	418	461	498	531	560
-25°	78	120	161	200	244	290	335	377	416	451	480
-26.25°	57	69	105	143	179	213	253	291	328	362	393
-27.5°	42	53	64	85	120	152	182	210	243	273	301
-28.75°	30	38	48	58	67	91	120	147	171	194	214
-30°	26	29	32	41	50	58	66	83	106	127	147
-31.25°	23	25	27	29	33	41	48	55	62	67	79
-32.5°	20	22	24	25	27	29	31	37	43	49	54
-33.75°	18	19	20	22	23	25	27	28	29	30	35
-35°	15	16	18	19	20	21	23	24	25	26	27
-36.25°	12	13	15	16	17	18	20	20	21	22	23
-37.5°	8	10	11	13	14	16	17	17	18	19	20
-38.75°	7	8	8	10	11	12	13	14	15	16	17
-40°	7	7	7	7	8	8	10	11	12	12	13
-41.25°	6	6	7	7	7	7	7	8	8	9	9
-42.5°	5	6	6	6	6	7	7	7	7	7	7
-43.75°	5	5	5	6	6	6	6	6	6	7	7
-45°	5	5	5	5	5	5	5	6	6	6	6
-46.25°	4	4	4	5	5	5	5	5	5	5	5
-47.5°	4	4	4	4	4	4	4	5	5	5	5
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	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	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	3	3	3	3	3	4	4	4	4	4	4
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	2	2	2	2	3	3	3	3	3	3	3
-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°	1	1	1	1	2	2	2	2	2	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
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	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	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°	3	3	3	3	3	3	3	3	3	3	3
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	4	3	3	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	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°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	4	4	5	5	5	5	5	5	5	4
47.5°	5	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	6	6	6	6	6	6	6	6	6
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°	10	10	11	11	11	12	12	12	11	11	11
40°	14	14	15	15	15	15	16	15	15	15	15
38.75°	17	18	18	18	19	19	19	19	19	18	18
37.5°	20	21	21	21	22	22	22	22	22	21	21
36.25°	24	25	25	26	26	26	26	26	26	26	25
35°	28	29	29	30	30	30	30	30	30	30	29



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	39	42	45	47	49	50	50	50	49	47	45
32.5°	58	62	65	67	69	70	70	70	69	67	65
31.25°	95	109	120	129	135	139	140	139	135	129	120
30°	163	177	189	198	205	209	210	209	205	198	189
28.75°	237	256	272	284	294	300	302	300	294	284	272
27.5°	326	348	366	380	390	396	398	396	390	380	366
26.25°	419	442	459	473	483	488	490	488	483	473	459
25°	506	527	544	557	567	573	575	573	567	557	544
23.75°	584	602	617	629	636	640	642	640	636	629	617
22.5°	646	660	673	681	687	691	692	691	687	681	673
21.25°	693	706	718	727	734	738	740	738	734	727	718
20°	738	753	768	780	788	793	795	793	788	780	768
18.75°	788	809	827	841	853	861	863	861	853	841	827
17.5°	847	876	900	920	936	946	949	946	936	920	900
16.25°	923	958	988	1021	1045	1059	1064	1059	1045	1021	988
15°	1014	1067	1119	1168	1204	1225	1232	1225	1204	1168	1119
13.75°	1143	1221	1299	1363	1412	1450	1463	1450	1412	1363	1299
12.5°	1311	1416	1533	1628	1718	1775	1794	1775	1718	1628	1533
11.25°	1523	1684	1857	2014	2155	2242	2271	2242	2155	2014	1857
10°	1801	2046	2306	2572	2791	2926	2972	2926	2791	2572	2306
8.75°	2162	2533	2931	3325	3628	3833	3906	3833	3628	3325	2931
7.5°	2621	3152	3694	4214	4611	4864	4951	4864	4611	4214	3694
6.25°	3152	3840	4532	5132	5601	5904	6009	5904	5601	5132	4532
5°	3694	4532	5315	6012	6557	6911	7037	6911	6557	6012	5315
3.75°	4214	5132	6012	6791	7387	7772	7889	7772	7387	6791	6012
2.5°	4611	5601	6557	7387	8012	8404	8526	8404	8012	7387	6557
1.25°	4864	5904	6911	7772	8404	8791	8921	8791	8404	7772	6911
0°	4951	6009	7037	7889	8526	8921	9098	8921	8526	7889	7037
-1.25°	4864	5904	6911	7772	8404	8791	8921	8791	8404	7772	6911
-2.5°	4611	5601	6557	7387	8012	8404	8526	8404	8012	7387	6557
-3.75°	4214	5132	6012	6791	7387	7772	7889	7772	7387	6791	6012
-5°	3694	4532	5315	6012	6557	6911	7037	6911	6557	6012	5315
-6.25°	3152	3840	4532	5132	5601	5904	6009	5904	5601	5132	4532
-7.5°	2621	3152	3694	4214	4611	4864	4951	4864	4611	4214	3694
-8.75°	2162	2533	2931	3325	3628	3833	3906	3833	3628	3325	2931
-10°	1801	2046	2306	2572	2791	2926	2972	2926	2791	2572	2306
-11.25°	1523	1684	1857	2014	2155	2242	2271	2242	2155	2014	1857
-12.5°	1311	1416	1533	1628	1718	1775	1794	1775	1718	1628	1533
-13.75°	1143	1221	1299	1363	1412	1450	1463	1450	1412	1363	1299
-15°	1014	1067	1119	1168	1204	1225	1232	1225	1204	1168	1119
-16.25°	923	958	988	1021	1045	1059	1064	1059	1045	1021	988
-17.5°	847	876	900	920	936	946	949	946	936	920	900
-18.75°	788	809	827	841	853	861	863	861	853	841	827
-20°	738	753	768	780	788	793	795	793	788	780	768
-21.25°	693	706	718	727	734	738	740	738	734	727	718



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	646	660	673	681	687	691	692	691	687	681	673
-23.75°	584	602	617	629	636	640	642	640	636	629	617
-25°	506	527	544	557	567	573	575	573	567	557	544
-26.25°	419	442	459	473	483	488	490	488	483	473	459
-27.5°	326	348	366	380	390	396	398	396	390	380	366
-28.75°	237	256	272	284	294	300	302	300	294	284	272
-30°	163	177	189	198	205	209	210	209	205	198	189
-31.25°	95	109	120	129	135	139	140	139	135	129	120
-32.5°	58	62	65	67	69	70	70	70	69	67	65
-33.75°	39	42	45	47	49	50	50	50	49	47	45
-35°	28	29	29	30	30	30	30	30	30	30	29
-36.25°	24	25	25	26	26	26	26	26	26	26	25
-37.5°	20	21	21	21	22	22	22	22	22	21	21
-38.75°	17	18	18	18	19	19	19	19	19	18	18
-40°	14	14	15	15	15	15	16	15	15	15	15
-41.25°	10	10	11	11	11	12	12	12	11	11	11
-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	6	6	6	6	6	6	6	6	6
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	4	4	4	5	5	5	5	5	5	5	4
-50°	4	4	4	4	4	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	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	3	4	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-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	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
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	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	2	2	2	2	2	1	1
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°	3	3	3	3	3	3	3	3	3	2	2
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	4	4	4	4	4	4	4	4	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	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°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	5	4	4	4	4	4
46.25°	5	5	5	5	5	5	5	5	5	5	4
45°	6	6	6	6	6	6	5	5	5	5	5
43.75°	7	7	7	7	6	6	6	6	6	6	5
42.5°	8	8	7	7	7	7	7	7	6	6	6
41.25°	10	10	9	9	8	8	7	7	7	7	7
40°	14	14	13	12	12	11	10	8	8	7	7
38.75°	18	17	17	16	15	14	13	12	11	10	8
37.5°	21	20	20	19	18	17	17	16	14	13	11
36.25°	25	24	23	22	21	20	20	18	17	16	15
35°	29	28	27	26	25	24	23	21	20	19	18



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	42	39	35	30	29	28	27	25	23	22	20
32.5°	62	58	54	49	43	37	31	29	27	25	24
31.25°	109	95	79	67	62	55	48	41	33	29	27
30°	177	163	147	127	106	83	66	58	50	41	32
28.75°	256	237	214	194	171	147	120	91	67	58	48
27.5°	348	326	301	273	243	210	182	152	120	85	64
26.25°	442	419	393	362	328	291	253	213	179	143	105
25°	527	506	480	451	416	377	335	290	244	200	161
23.75°	602	584	560	531	498	461	418	370	320	268	216
22.5°	660	646	628	602	573	536	495	449	398	342	284
21.25°	706	693	677	657	634	602	566	521	471	416	356
20°	753	738	720	700	680	654	625	585	538	484	425
18.75°	809	788	767	743	720	695	669	638	596	546	489
17.5°	876	847	821	791	763	734	706	677	643	600	546
16.25°	958	923	886	847	812	777	743	711	680	643	596
15°	1067	1014	963	915	868	824	784	746	711	677	638
13.75°	1221	1143	1064	992	934	879	829	784	743	706	669
12.5°	1416	1311	1201	1096	1011	941	879	824	777	734	695
11.25°	1684	1523	1368	1231	1110	1011	934	868	812	763	720
10°	2046	1801	1578	1387	1231	1096	992	915	847	791	743
8.75°	2533	2162	1841	1578	1368	1201	1064	963	886	821	767
7.5°	3152	2621	2162	1801	1523	1311	1143	1014	923	847	788
6.25°	3840	3152	2533	2046	1684	1416	1221	1067	958	876	809
5°	4532	3694	2931	2306	1857	1533	1299	1119	988	900	827
3.75°	5132	4214	3325	2572	2014	1628	1363	1168	1021	920	841
2.5°	5601	4611	3628	2791	2155	1718	1412	1204	1045	936	853
1.25°	5904	4864	3833	2926	2242	1775	1450	1225	1059	946	861
0°	6009	4951	3906	2972	2271	1794	1463	1232	1064	949	863
-1.25°	5904	4864	3833	2926	2242	1775	1450	1225	1059	946	861
-2.5°	5601	4611	3628	2791	2155	1718	1412	1204	1045	936	853
-3.75°	5132	4214	3325	2572	2014	1628	1363	1168	1021	920	841
-5°	4532	3694	2931	2306	1857	1533	1299	1119	988	900	827
-6.25°	3840	3152	2533	2046	1684	1416	1221	1067	958	876	809
-7.5°	3152	2621	2162	1801	1523	1311	1143	1014	923	847	788
-8.75°	2533	2162	1841	1578	1368	1201	1064	963	886	821	767
-10°	2046	1801	1578	1387	1231	1096	992	915	847	791	743
-11.25°	1684	1523	1368	1231	1110	1011	934	868	812	763	720
-12.5°	1416	1311	1201	1096	1011	941	879	824	777	734	695
-13.75°	1221	1143	1064	992	934	879	829	784	743	706	669
-15°	1067	1014	963	915	868	824	784	746	711	677	638
-16.25°	958	923	886	847	812	777	743	711	680	643	596
-17.5°	876	847	821	791	763	734	706	677	643	600	546
-18.75°	809	788	767	743	720	695	669	638	596	546	489
-20°	753	738	720	700	680	654	625	585	538	484	425
-21.25°	706	693	677	657	634	602	566	521	471	416	356



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	660	646	628	602	573	536	495	449	398	342	284
-23.75°	602	584	560	531	498	461	418	370	320	268	216
-25°	527	506	480	451	416	377	335	290	244	200	161
-26.25°	442	419	393	362	328	291	253	213	179	143	105
-27.5°	348	326	301	273	243	210	182	152	120	85	64
-28.75°	256	237	214	194	171	147	120	91	67	58	48
-30°	177	163	147	127	106	83	66	58	50	41	32
-31.25°	109	95	79	67	62	55	48	41	33	29	27
-32.5°	62	58	54	49	43	37	31	29	27	25	24
-33.75°	42	39	35	30	29	28	27	25	23	22	20
-35°	29	28	27	26	25	24	23	21	20	19	18
-36.25°	25	24	23	22	21	20	20	18	17	16	15
-37.5°	21	20	20	19	18	17	17	16	14	13	11
-38.75°	18	17	17	16	15	14	13	12	11	10	8
-40°	14	14	13	12	12	11	10	8	8	7	7
-41.25°	10	10	9	9	8	8	7	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	6	5
-45°	6	6	6	6	6	6	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	4
-47.5°	5	5	5	5	5	5	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	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	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	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	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	0	0
83.75°	1	1	1	1	1	1	1	1	1	1	1
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	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°	2	2	2	2	2	2	1	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°	3	3	3	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	2	2	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	4	4	3	3	3	3	3	3	3	3	3
56.25°	4	4	4	4	4	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	3	3	3
53.75°	4	4	4	4	4	4	4	4	4	4	3
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°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	5	5	4	4	4	4	4	4	4	4	4
43.75°	5	5	5	5	4	4	4	4	4	4	4
42.5°	6	5	5	5	5	5	4	4	4	4	4
41.25°	6	6	6	5	5	5	5	5	4	4	4
40°	7	7	6	6	6	5	5	5	5	4	4
38.75°	8	7	7	7	6	6	6	5	5	5	5
37.5°	10	8	8	7	7	7	6	6	5	5	5
36.25°	13	12	10	8	7	7	7	6	6	6	5
35°	16	15	13	11	9	8	7	7	7	6	6



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	19	18	16	14	12	10	8	7	7	7	6
32.5°	22	20	19	17	15	13	11	8	7	7	7
31.25°	25	23	21	19	18	16	13	11	9	7	7
30°	29	26	24	22	20	18	16	14	11	9	7
28.75°	38	30	27	25	22	20	18	16	14	11	8
27.5°	53	42	31	28	25	23	20	18	16	13	11
26.25°	69	57	45	33	28	25	23	20	18	16	13
25°	120	78	60	47	34	28	25	22	20	18	15
23.75°	173	129	83	61	47	33	28	25	22	19	17
22.5°	228	179	132	83	60	45	31	27	24	21	19
21.25°	293	232	179	129	78	57	42	30	26	23	20
20°	360	293	228	173	120	69	53	38	29	25	22
18.75°	425	356	284	216	161	105	64	48	32	27	24
17.5°	484	416	342	268	200	143	85	58	41	29	25
16.25°	538	471	398	320	244	179	120	67	50	33	27
15°	585	521	449	370	290	213	152	91	58	41	29
13.75°	625	566	495	418	335	253	182	120	66	48	31
12.5°	654	602	536	461	377	291	210	147	83	55	37
11.25°	680	634	573	498	416	328	243	171	106	62	43
10°	700	657	602	531	451	362	273	194	127	67	49
8.75°	720	677	628	560	480	393	301	214	147	79	54
7.5°	738	693	646	584	506	419	326	237	163	95	58
6.25°	753	706	660	602	527	442	348	256	177	109	62
5°	768	718	673	617	544	459	366	272	189	120	65
3.75°	780	727	681	629	557	473	380	284	198	129	67
2.5°	788	734	687	636	567	483	390	294	205	135	69
1.25°	793	738	691	640	573	488	396	300	209	139	70
0°	795	740	692	642	575	490	398	302	210	140	70
-1.25°	793	738	691	640	573	488	396	300	209	139	70
-2.5°	788	734	687	636	567	483	390	294	205	135	69
-3.75°	780	727	681	629	557	473	380	284	198	129	67
-5°	768	718	673	617	544	459	366	272	189	120	65
-6.25°	753	706	660	602	527	442	348	256	177	109	62
-7.5°	738	693	646	584	506	419	326	237	163	95	58
-8.75°	720	677	628	560	480	393	301	214	147	79	54
-10°	700	657	602	531	451	362	273	194	127	67	49
-11.25°	680	634	573	498	416	328	243	171	106	62	43
-12.5°	654	602	536	461	377	291	210	147	83	55	37
-13.75°	625	566	495	418	335	253	182	120	66	48	31
-15°	585	521	449	370	290	213	152	91	58	41	29
-16.25°	538	471	398	320	244	179	120	67	50	33	27
-17.5°	484	416	342	268	200	143	85	58	41	29	25
-18.75°	425	356	284	216	161	105	64	48	32	27	24
-20°	360	293	228	173	120	69	53	38	29	25	22
-21.25°	293	232	179	129	78	57	42	30	26	23	20



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	228	179	132	83	60	45	31	27	24	21	19
-23.75°	173	129	83	61	47	33	28	25	22	19	17
-25°	120	78	60	47	34	28	25	22	20	18	15
-26.25°	69	57	45	33	28	25	23	20	18	16	13
-27.5°	53	42	31	28	25	23	20	18	16	13	11
-28.75°	38	30	27	25	22	20	18	16	14	11	8
-30°	29	26	24	22	20	18	16	14	11	9	7
-31.25°	25	23	21	19	18	16	13	11	9	7	7
-32.5°	22	20	19	17	15	13	11	8	7	7	7
-33.75°	19	18	16	14	12	10	8	7	7	7	6
-35°	16	15	13	11	9	8	7	7	7	6	6
-36.25°	13	12	10	8	7	7	7	6	6	6	5
-37.5°	10	8	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	4	4
-41.25°	6	6	6	5	5	5	5	5	4	4	4
-42.5°	6	5	5	5	5	5	4	4	4	4	4
-43.75°	5	5	5	5	4	4	4	4	4	4	4
-45°	5	5	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	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	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	3
-55°	4	4	4	4	4	4	4	4	3	3	3
-56.25°	4	4	4	4	4	3	3	3	3	3	3
-57.5°	4	4	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	2	2	2	2
-63.75°	3	3	3	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	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	1	1	1	1
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	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	2	2	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	1	1	1
63.75°	2	2	2	2	2	2	2	2	2	2	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	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	2	2	2	2	2
56.25°	3	3	3	3	3	3	3	3	2	2	2
55°	3	3	3	3	3	3	3	3	3	2	2
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	4	3	3	3	3	3	3	3	3	3	3
51.25°	4	4	4	3	3	3	3	3	3	3	3
50°	4	4	4	4	4	3	3	3	3	3	3
48.75°	4	4	4	4	4	4	3	3	3	3	3
47.5°	4	4	4	4	4	4	4	3	3	3	3
46.25°	4	4	4	4	4	4	4	4	3	3	3
45°	4	4	4	4	4	4	4	4	4	4	3
43.75°	4	4	4	4	4	4	4	4	4	4	3
42.5°	4	4	4	4	4	4	4	4	4	4	4
41.25°	4	4	4	4	4	4	4	4	4	4	4
40°	4	4	4	4	4	4	4	4	4	4	4
38.75°	4	4	4	4	4	4	4	4	4	4	4
37.5°	5	4	4	4	4	4	4	4	4	4	4
36.25°	5	5	4	4	4	4	4	4	4	4	4
35°	5	5	5	4	4	4	4	4	4	4	4



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	4	4	4	4	4	4	4
32.5°	6	6	5	5	5	4	4	4	4	4	4
31.25°	7	6	6	5	5	4	4	4	4	4	4
30°	7	7	6	5	5	5	4	4	4	4	4
28.75°	7	7	6	6	5	5	5	4	4	4	4
27.5°	8	7	7	6	6	5	5	4	4	4	4
26.25°	10	8	7	7	6	5	5	5	4	4	4
25°	12	9	7	7	6	6	5	5	4	4	4
23.75°	14	11	8	7	7	6	5	5	5	4	4
22.5°	16	13	10	8	7	6	6	5	5	4	4
21.25°	18	15	12	8	7	7	6	5	5	5	4
20°	19	16	13	10	8	7	6	6	5	5	4
18.75°	20	18	15	11	8	7	7	6	5	5	4
17.5°	22	19	16	13	10	7	7	6	6	5	5
16.25°	23	20	17	14	11	8	7	6	6	5	5
15°	25	21	18	16	12	8	7	7	6	5	5
13.75°	27	23	20	17	13	10	7	7	6	5	5
12.5°	28	24	20	17	14	11	8	7	6	6	5
11.25°	29	25	21	18	15	12	8	7	6	6	5
10°	30	26	22	19	16	12	9	7	7	6	5
8.75°	35	27	23	20	17	13	9	7	7	6	5
7.5°	39	28	24	20	17	14	10	8	7	6	5
6.25°	42	29	25	21	18	14	10	8	7	6	5
5°	45	29	25	21	18	15	11	8	7	6	6
3.75°	47	30	26	21	18	15	11	8	7	6	6
2.5°	49	30	26	22	19	15	11	8	7	6	6
1.25°	50	30	26	22	19	15	12	8	7	6	6
0°	50	30	26	22	19	16	12	8	7	6	6
-1.25°	50	30	26	22	19	15	12	8	7	6	6
-2.5°	49	30	26	22	19	15	11	8	7	6	6
-3.75°	47	30	26	21	18	15	11	8	7	6	6
-5°	45	29	25	21	18	15	11	8	7	6	6
-6.25°	42	29	25	21	18	14	10	8	7	6	5
-7.5°	39	28	24	20	17	14	10	8	7	6	5
-8.75°	35	27	23	20	17	13	9	7	7	6	5
-10°	30	26	22	19	16	12	9	7	7	6	5
-11.25°	29	25	21	18	15	12	8	7	6	6	5
-12.5°	28	24	20	17	14	11	8	7	6	6	5
-13.75°	27	23	20	17	13	10	7	7	6	5	5
-15°	25	21	18	16	12	8	7	7	6	5	5
-16.25°	23	20	17	14	11	8	7	6	6	5	5
-17.5°	22	19	16	13	10	7	7	6	6	5	5
-18.75°	20	18	15	11	8	7	7	6	5	5	4
-20°	19	16	13	10	8	7	6	6	5	5	4
-21.25°	18	15	12	8	7	7	6	5	5	5	4



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	16	13	10	8	7	6	6	5	5	4	4
-23.75°	14	11	8	7	7	6	5	5	5	4	4
-25°	12	9	7	7	6	6	5	5	4	4	4
-26.25°	10	8	7	7	6	5	5	5	4	4	4
-27.5°	8	7	7	6	6	5	5	4	4	4	4
-28.75°	7	7	6	6	5	5	5	4	4	4	4
-30°	7	7	6	5	5	5	4	4	4	4	4
-31.25°	7	6	6	5	5	4	4	4	4	4	4
-32.5°	6	6	5	5	5	4	4	4	4	4	4
-33.75°	6	5	5	5	4	4	4	4	4	4	4
-35°	5	5	5	4	4	4	4	4	4	4	4
-36.25°	5	5	4	4	4	4	4	4	4	4	4
-37.5°	5	4	4	4	4	4	4	4	4	4	4
-38.75°	4	4	4	4	4	4	4	4	4	4	4
-40°	4	4	4	4	4	4	4	4	4	4	4
-41.25°	4	4	4	4	4	4	4	4	4	4	4
-42.5°	4	4	4	4	4	4	4	4	4	4	4
-43.75°	4	4	4	4	4	4	4	4	4	4	3
-45°	4	4	4	4	4	4	4	4	4	4	3
-46.25°	4	4	4	4	4	4	4	4	3	3	3
-47.5°	4	4	4	4	4	4	4	3	3	3	3
-48.75°	4	4	4	4	4	4	3	3	3	3	3
-50°	4	4	4	4	4	3	3	3	3	3	3
-51.25°	4	4	4	3	3	3	3	3	3	3	3
-52.5°	4	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	2	2
-56.25°	3	3	3	3	3	3	3	3	2	2	2
-57.5°	3	3	3	3	3	3	2	2	2	2	2
-58.75°	3	3	3	3	2	2	2	2	2	2	2
-60°	3	3	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	1
-65°	2	2	2	2	2	2	2	2	1	1	1
-66.25°	2	2	2	2	2	2	1	1	1	1	1
-67.5°	2	2	2	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	1	1	0	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°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	2	1	1	1	1	1	1	1	1	1	1
61.25°	2	2	2	1	1	1	1	1	1	1	1
60°	2	2	2	2	1	1	1	1	1	1	1
58.75°	2	2	2	2	2	2	1	1	1	1	1
57.5°	2	2	2	2	2	2	2	1	1	1	1
56.25°	2	2	2	2	2	2	2	2	1	1	1
55°	2	2	2	2	2	2	2	2	2	1	1
53.75°	2	2	2	2	2	2	2	2	2	2	1
52.5°	3	2	2	2	2	2	2	2	2	2	1
51.25°	3	3	2	2	2	2	2	2	2	2	2
50°	3	3	3	2	2	2	2	2	2	2	2
48.75°	3	3	3	3	2	2	2	2	2	2	2
47.5°	3	3	3	3	3	2	2	2	2	2	2
46.25°	3	3	3	3	3	3	2	2	2	2	2
45°	3	3	3	3	3	3	2	2	2	2	2
43.75°	3	3	3	3	3	3	3	2	2	2	2
42.5°	3	3	3	3	3	3	3	3	2	2	2
41.25°	4	3	3	3	3	3	3	3	2	2	2
40°	4	4	3	3	3	3	3	3	3	2	2
38.75°	4	4	4	3	3	3	3	3	3	2	2
37.5°	4	4	4	3	3	3	3	3	3	3	2
36.25°	4	4	4	4	3	3	3	3	3	3	2
35°	4	4	4	4	3	3	3	3	3	3	3



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	4	4	4	4	4	3	3	3	3	3	3
32.5°	4	4	4	4	4	3	3	3	3	3	3
31.25°	4	4	4	4	4	4	3	3	3	3	3
30°	4	4	4	4	4	4	3	3	3	3	3
28.75°	4	4	4	4	4	4	4	3	3	3	3
27.5°	4	4	4	4	4	4	4	3	3	3	3
26.25°	4	4	4	4	4	4	4	3	3	3	3
25°	4	4	4	4	4	4	4	4	3	3	3
23.75°	4	4	4	4	4	4	4	4	3	3	3
22.5°	4	4	4	4	4	4	4	4	3	3	3
21.25°	4	4	4	4	4	4	4	4	4	3	3
20°	4	4	4	4	4	4	4	4	4	3	3
18.75°	4	4	4	4	4	4	4	4	4	3	3
17.5°	4	4	4	4	4	4	4	4	4	3	3
16.25°	4	4	4	4	4	4	4	4	4	3	3
15°	4	4	4	4	4	4	4	4	4	4	3
13.75°	4	4	4	4	4	4	4	4	4	4	3
12.5°	5	4	4	4	4	4	4	4	4	4	3
11.25°	5	4	4	4	4	4	4	4	4	4	3
10°	5	4	4	4	4	4	4	4	4	4	3
8.75°	5	4	4	4	4	4	4	4	4	4	3
7.5°	5	4	4	4	4	4	4	4	4	4	3
6.25°	5	4	4	4	4	4	4	4	4	4	3
5°	5	4	4	4	4	4	4	4	4	4	3
3.75°	5	5	4	4	4	4	4	4	4	4	3
2.5°	5	5	4	4	4	4	4	4	4	4	3
1.25°	5	5	4	4	4	4	4	4	4	4	3
0°	5	5	4	4	4	4	4	4	4	4	4
-1.25°	5	5	4	4	4	4	4	4	4	4	3
-2.5°	5	5	4	4	4	4	4	4	4	4	3
-3.75°	5	5	4	4	4	4	4	4	4	4	3
-5°	5	4	4	4	4	4	4	4	4	4	3
-6.25°	5	4	4	4	4	4	4	4	4	4	3
-7.5°	5	4	4	4	4	4	4	4	4	4	3
-8.75°	5	4	4	4	4	4	4	4	4	4	3
-10°	5	4	4	4	4	4	4	4	4	4	3
-11.25°	5	4	4	4	4	4	4	4	4	4	3
-12.5°	5	4	4	4	4	4	4	4	4	4	3
-13.75°	4	4	4	4	4	4	4	4	4	4	3
-15°	4	4	4	4	4	4	4	4	4	4	3
-16.25°	4	4	4	4	4	4	4	4	4	3	3
-17.5°	4	4	4	4	4	4	4	4	4	3	3
-18.75°	4	4	4	4	4	4	4	4	4	3	3
-20°	4	4	4	4	4	4	4	4	4	3	3
-21.25°	4	4	4	4	4	4	4	4	4	3	3



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	4	4	4	4	4	3	3	3
-23.75°	4	4	4	4	4	4	4	4	3	3	3
-25°	4	4	4	4	4	4	4	4	3	3	3
-26.25°	4	4	4	4	4	4	4	3	3	3	3
-27.5°	4	4	4	4	4	4	4	3	3	3	3
-28.75°	4	4	4	4	4	4	4	3	3	3	3
-30°	4	4	4	4	4	4	3	3	3	3	3
-31.25°	4	4	4	4	4	4	3	3	3	3	3
-32.5°	4	4	4	4	4	3	3	3	3	3	3
-33.75°	4	4	4	4	4	3	3	3	3	3	3
-35°	4	4	4	4	3	3	3	3	3	3	3
-36.25°	4	4	4	4	3	3	3	3	3	3	2
-37.5°	4	4	4	3	3	3	3	3	3	3	2
-38.75°	4	4	4	3	3	3	3	3	3	2	2
-40°	4	4	3	3	3	3	3	3	3	2	2
-41.25°	4	3	3	3	3	3	3	3	2	2	2
-42.5°	3	3	3	3	3	3	3	3	2	2	2
-43.75°	3	3	3	3	3	3	3	2	2	2	2
-45°	3	3	3	3	3	3	2	2	2	2	2
-46.25°	3	3	3	3	3	3	2	2	2	2	2
-47.5°	3	3	3	3	3	2	2	2	2	2	2
-48.75°	3	3	3	3	2	2	2	2	2	2	2
-50°	3	3	3	2	2	2	2	2	2	2	2
-51.25°	3	3	2	2	2	2	2	2	2	2	2
-52.5°	3	2	2	2	2	2	2	2	2	2	1
-53.75°	2	2	2	2	2	2	2	2	2	2	1
-55°	2	2	2	2	2	2	2	2	2	1	1
-56.25°	2	2	2	2	2	2	2	2	1	1	1
-57.5°	2	2	2	2	2	2	2	1	1	1	1
-58.75°	2	2	2	2	2	2	1	1	1	1	1
-60°	2	2	2	2	1	1	1	1	1	1	1
-61.25°	2	2	2	1	1	1	1	1	1	1	1
-62.5°	2	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	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	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	0	0	0	0	0	0	0	0
78.75°	1	1	1	1	1	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	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	0
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
56.25°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
53.75°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
51.25°	1	1	1	1	1	1	1	1	1	1	1
50°	2	1	1	1	1	1	1	1	1	1	1
48.75°	2	1	1	1	1	1	1	1	1	1	1
47.5°	2	2	1	1	1	1	1	1	1	1	1
46.25°	2	2	1	1	1	1	1	1	1	1	1
45°	2	2	2	1	1	1	1	1	1	1	1
43.75°	2	2	2	1	1	1	1	1	1	1	1
42.5°	2	2	2	2	1	1	1	1	1	1	1
41.25°	2	2	2	2	1	1	1	1	1	1	1
40°	2	2	2	2	2	1	1	1	1	1	1
38.75°	2	2	2	2	2	1	1	1	1	1	1
37.5°	2	2	2	2	2	1	1	1	1	1	1
36.25°	2	2	2	2	2	2	1	1	1	1	1
35°	2	2	2	2	2	2	1	1	1	1	1



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	1	1	1
32.5°	3	2	2	2	2	2	1	1	1	1	1
31.25°	3	2	2	2	2	2	2	1	1	1	1
30°	3	2	2	2	2	2	2	1	1	1	1
28.75°	3	2	2	2	2	2	2	1	1	1	1
27.5°	3	3	2	2	2	2	2	1	1	1	1
26.25°	3	3	2	2	2	2	2	2	1	1	1
25°	3	3	2	2	2	2	2	2	1	1	1
23.75°	3	3	2	2	2	2	2	2	1	1	1
22.5°	3	3	3	2	2	2	2	2	1	1	1
21.25°	3	3	3	2	2	2	2	2	1	1	1
20°	3	3	3	2	2	2	2	2	1	1	1
18.75°	3	3	3	2	2	2	2	2	1	1	1
17.5°	3	3	3	2	2	2	2	2	1	1	1
16.25°	3	3	3	3	2	2	2	2	2	1	1
15°	3	3	3	3	2	2	2	2	2	1	1
13.75°	3	3	3	3	2	2	2	2	2	1	1
12.5°	3	3	3	3	2	2	2	2	2	1	1
11.25°	3	3	3	3	2	2	2	2	2	1	1
10°	3	3	3	3	2	2	2	2	2	1	1
8.75°	3	3	3	3	2	2	2	2	2	1	1
7.5°	3	3	3	3	2	2	2	2	2	1	1
6.25°	3	3	3	3	2	2	2	2	2	1	1
5°	3	3	3	3	2	2	2	2	2	1	1
3.75°	3	3	3	3	2	2	2	2	2	1	1
2.5°	3	3	3	3	2	2	2	2	2	1	1
1.25°	3	3	3	3	2	2	2	2	2	1	1
0°	3	3	3	3	2	2	2	2	2	1	1
-1.25°	3	3	3	3	2	2	2	2	2	1	1
-2.5°	3	3	3	3	2	2	2	2	2	1	1
-3.75°	3	3	3	3	2	2	2	2	2	1	1
-5°	3	3	3	3	2	2	2	2	2	1	1
-6.25°	3	3	3	3	2	2	2	2	2	1	1
-7.5°	3	3	3	3	2	2	2	2	2	1	1
-8.75°	3	3	3	3	2	2	2	2	2	1	1
-10°	3	3	3	3	2	2	2	2	2	1	1
-11.25°	3	3	3	3	2	2	2	2	2	1	1
-12.5°	3	3	3	3	2	2	2	2	2	1	1
-13.75°	3	3	3	3	2	2	2	2	2	1	1
-15°	3	3	3	3	2	2	2	2	2	1	1
-16.25°	3	3	3	3	2	2	2	2	2	1	1
-17.5°	3	3	3	2	2	2	2	2	1	1	1
-18.75°	3	3	3	2	2	2	2	2	1	1	1
-20°	3	3	3	2	2	2	2	2	1	1	1
-21.25°	3	3	3	2	2	2	2	2	1	1	1



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	3	3	3	2	2	2	2	2	1	1	1
-23.75°	3	3	2	2	2	2	2	2	1	1	1
-25°	3	3	2	2	2	2	2	2	1	1	1
-26.25°	3	3	2	2	2	2	2	2	1	1	1
-27.5°	3	3	2	2	2	2	2	1	1	1	1
-28.75°	3	2	2	2	2	2	2	1	1	1	1
-30°	3	2	2	2	2	2	2	1	1	1	1
-31.25°	3	2	2	2	2	2	2	1	1	1	1
-32.5°	3	2	2	2	2	2	1	1	1	1	1
-33.75°	2	2	2	2	2	2	1	1	1	1	1
-35°	2	2	2	2	2	2	1	1	1	1	1
-36.25°	2	2	2	2	2	2	1	1	1	1	1
-37.5°	2	2	2	2	2	1	1	1	1	1	1
-38.75°	2	2	2	2	2	1	1	1	1	1	1
-40°	2	2	2	2	2	1	1	1	1	1	1
-41.25°	2	2	2	2	1	1	1	1	1	1	1
-42.5°	2	2	2	2	1	1	1	1	1	1	1
-43.75°	2	2	2	1	1	1	1	1	1	1	1
-45°	2	2	2	1	1	1	1	1	1	1	1
-46.25°	2	2	1	1	1	1	1	1	1	1	1
-47.5°	2	2	1	1	1	1	1	1	1	1	1
-48.75°	2	1	1	1	1	1	1	1	1	1	1
-50°	2	1	1	1	1	1	1	1	1	1	1
-51.25°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-53.75°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-56.25°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	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	0
-76.25°	1	1	1	1	1	1	1	1	1	0	0
-77.5°	1	1	1	1	1	1	1	0	0	0	0



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	1	1	1	1	0	0	0	0	0	0
-80°	1	1	1	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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°	1	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	0	0	0	0	0	0	0	0	0
70°	1	1	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	0	0	0	0	0	0	0	0
66.25°	1	1	1	1	0	0	0	0	0	0	0
65°	1	1	1	1	0	0	0	0	0	0	0
63.75°	1	1	1	1	1	0	0	0	0	0	0
62.5°	1	1	1	1	1	0	0	0	0	0	0
61.25°	1	1	1	1	1	0	0	0	0	0	0
60°	1	1	1	1	1	1	0	0	0	0	0
58.75°	1	1	1	1	1	1	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
56.25°	1	1	1	1	1	1	0	0	0	0	0
55°	1	1	1	1	1	1	1	0	0	0	0
53.75°	1	1	1	1	1	1	1	0	0	0	0
52.5°	1	1	1	1	1	1	1	0	0	0	0
51.25°	1	1	1	1	1	1	1	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	0	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	0	0	0
43.75°	1	1	1	1	1	1	1	1	0	0	0
42.5°	1	1	1	1	1	1	1	1	0	0	0
41.25°	1	1	1	1	1	1	1	1	0	0	0
40°	1	1	1	1	1	1	1	1	0	0	0
38.75°	1	1	1	1	1	1	1	1	0	0	0
37.5°	1	1	1	1	1	1	1	1	0	0	0
36.25°	1	1	1	1	1	1	1	1	0	0	0
35°	1	1	1	1	1	1	1	1	0	0	0



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	0	0	0
32.5°	1	1	1	1	1	1	1	1	0	0	0
31.25°	1	1	1	1	1	1	1	1	0	0	0
30°	1	1	1	1	1	1	1	1	1	0	0
28.75°	1	1	1	1	1	1	1	1	1	0	0
27.5°	1	1	1	1	1	1	1	1	1	0	0
26.25°	1	1	1	1	1	1	1	1	1	0	0
25°	1	1	1	1	1	1	1	1	1	0	0
23.75°	1	1	1	1	1	1	1	1	1	0	0
22.5°	1	1	1	1	1	1	1	1	1	0	0
21.25°	1	1	1	1	1	1	1	1	1	0	0
20°	1	1	1	1	1	1	1	1	1	0	0
18.75°	1	1	1	1	1	1	1	1	1	0	0
17.5°	1	1	1	1	1	1	1	1	1	0	0
16.25°	1	1	1	1	1	1	1	1	1	0	0
15°	1	1	1	1	1	1	1	1	1	0	0
13.75°	1	1	1	1	1	1	1	1	1	0	0
12.5°	1	1	1	1	1	1	1	1	1	0	0
11.25°	1	1	1	1	1	1	1	1	1	0	0
10°	1	1	1	1	1	1	1	1	1	0	0
8.75°	1	1	1	1	1	1	1	1	1	0	0
7.5°	1	1	1	1	1	1	1	1	1	0	0
6.25°	1	1	1	1	1	1	1	1	1	0	0
5°	1	1	1	1	1	1	1	1	1	0	0
3.75°	1	1	1	1	1	1	1	1	1	0	0
2.5°	1	1	1	1	1	1	1	1	1	0	0
1.25°	1	1	1	1	1	1	1	1	1	0	0
0°	1	1	1	1	1	1	1	1	1	0	0
-1.25°	1	1	1	1	1	1	1	1	1	0	0
-2.5°	1	1	1	1	1	1	1	1	1	0	0
-3.75°	1	1	1	1	1	1	1	1	1	0	0
-5°	1	1	1	1	1	1	1	1	1	0	0
-6.25°	1	1	1	1	1	1	1	1	1	0	0
-7.5°	1	1	1	1	1	1	1	1	1	0	0
-8.75°	1	1	1	1	1	1	1	1	1	0	0
-10°	1	1	1	1	1	1	1	1	1	0	0
-11.25°	1	1	1	1	1	1	1	1	1	0	0
-12.5°	1	1	1	1	1	1	1	1	1	0	0
-13.75°	1	1	1	1	1	1	1	1	1	0	0
-15°	1	1	1	1	1	1	1	1	1	0	0
-16.25°	1	1	1	1	1	1	1	1	1	0	0
-17.5°	1	1	1	1	1	1	1	1	1	0	0
-18.75°	1	1	1	1	1	1	1	1	1	0	0
-20°	1	1	1	1	1	1	1	1	1	0	0
-21.25°	1	1	1	1	1	1	1	1	1	0	0



REPORT NUMBER: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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	1	1	0	0
-23.75°	1	1	1	1	1	1	1	1	1	0	0
-25°	1	1	1	1	1	1	1	1	1	0	0
-26.25°	1	1	1	1	1	1	1	1	1	0	0
-27.5°	1	1	1	1	1	1	1	1	1	0	0
-28.75°	1	1	1	1	1	1	1	1	1	0	0
-30°	1	1	1	1	1	1	1	1	1	0	0
-31.25°	1	1	1	1	1	1	1	1	0	0	0
-32.5°	1	1	1	1	1	1	1	1	0	0	0
-33.75°	1	1	1	1	1	1	1	1	0	0	0
-35°	1	1	1	1	1	1	1	1	0	0	0
-36.25°	1	1	1	1	1	1	1	1	0	0	0
-37.5°	1	1	1	1	1	1	1	1	0	0	0
-38.75°	1	1	1	1	1	1	1	1	0	0	0
-40°	1	1	1	1	1	1	1	1	0	0	0
-41.25°	1	1	1	1	1	1	1	1	0	0	0
-42.5°	1	1	1	1	1	1	1	1	0	0	0
-43.75°	1	1	1	1	1	1	1	1	0	0	0
-45°	1	1	1	1	1	1	1	1	0	0	0
-46.25°	1	1	1	1	1	1	1	1	0	0	0
-47.5°	1	1	1	1	1	1	1	0	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	1	0	0	0	0
-52.5°	1	1	1	1	1	1	1	0	0	0	0
-53.75°	1	1	1	1	1	1	1	0	0	0	0
-55°	1	1	1	1	1	1	1	0	0	0	0
-56.25°	1	1	1	1	1	1	0	0	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-58.75°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-61.25°	1	1	1	1	1	0	0	0	0	0	0
-62.5°	1	1	1	1	1	0	0	0	0	0	0
-63.75°	1	1	1	1	1	0	0	0	0	0	0
-65°	1	1	1	1	0	0	0	0	0	0	0
-66.25°	1	1	1	1	0	0	0	0	0	0	0
-67.5°	1	1	1	0	0	0	0	0	0	0	0
-68.75°	1	1	1	0	0	0	0	0	0	0	0
-70°	1	1	0	0	0	0	0	0	0	0	0
-71.25°	1	1	0	0	0	0	0	0	0	0	0
-72.5°	1	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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-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: P220655 (CONVERTED FROM TYPE C PHOTOMETRY)

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