

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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD
OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

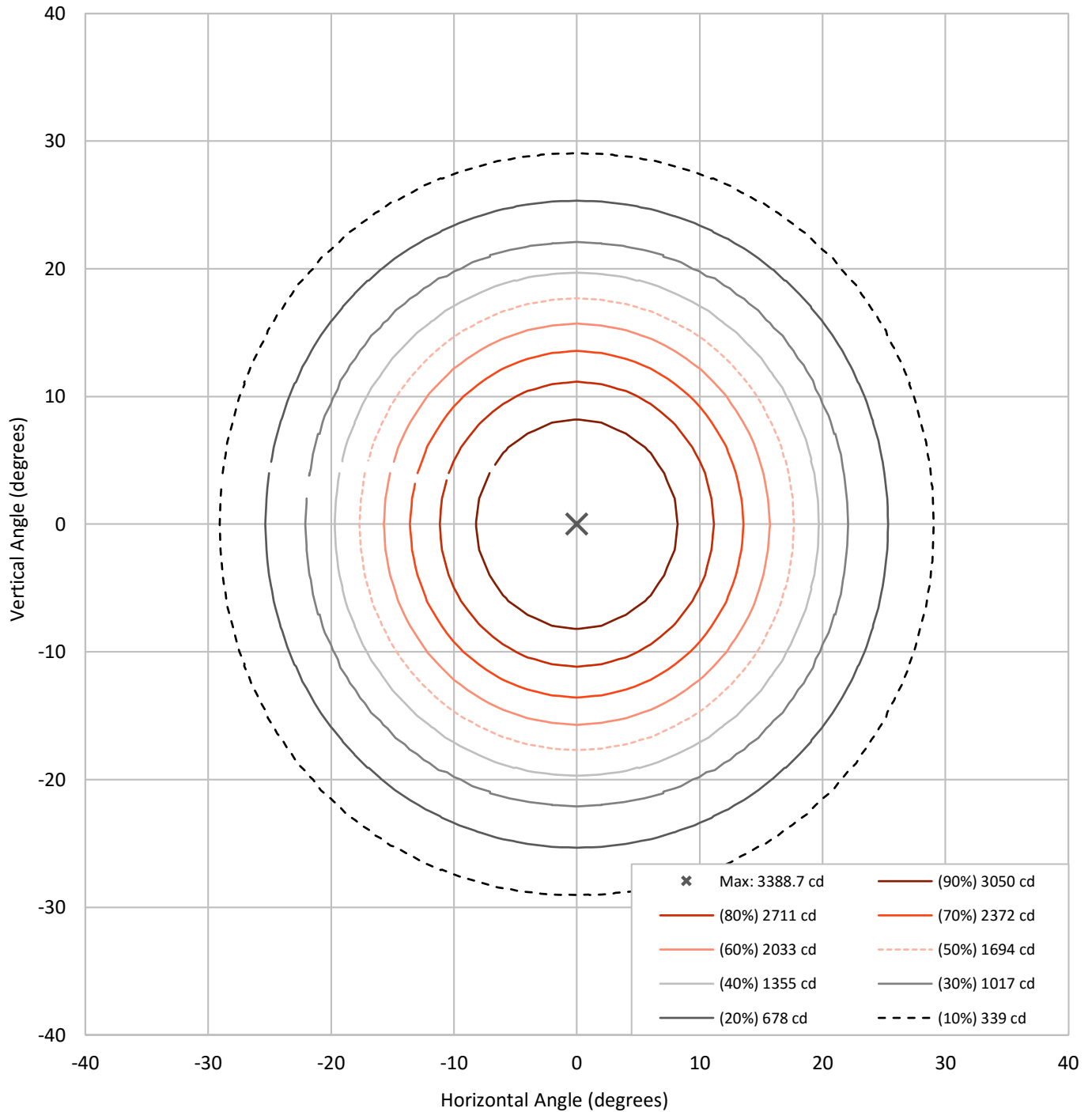
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1260.5 lumens	Max Intensity:	3388.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	62.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.4°H x 35.4°V	Field Angle (10%):	58.1°H x 58.1°V
Beam Lumens:	755.1 lumens	Field Lumens:	1183.4 lumens
Beam Efficiency:	59.9%	Field Efficiency:	93.9%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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

Iso-Candela Plot





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

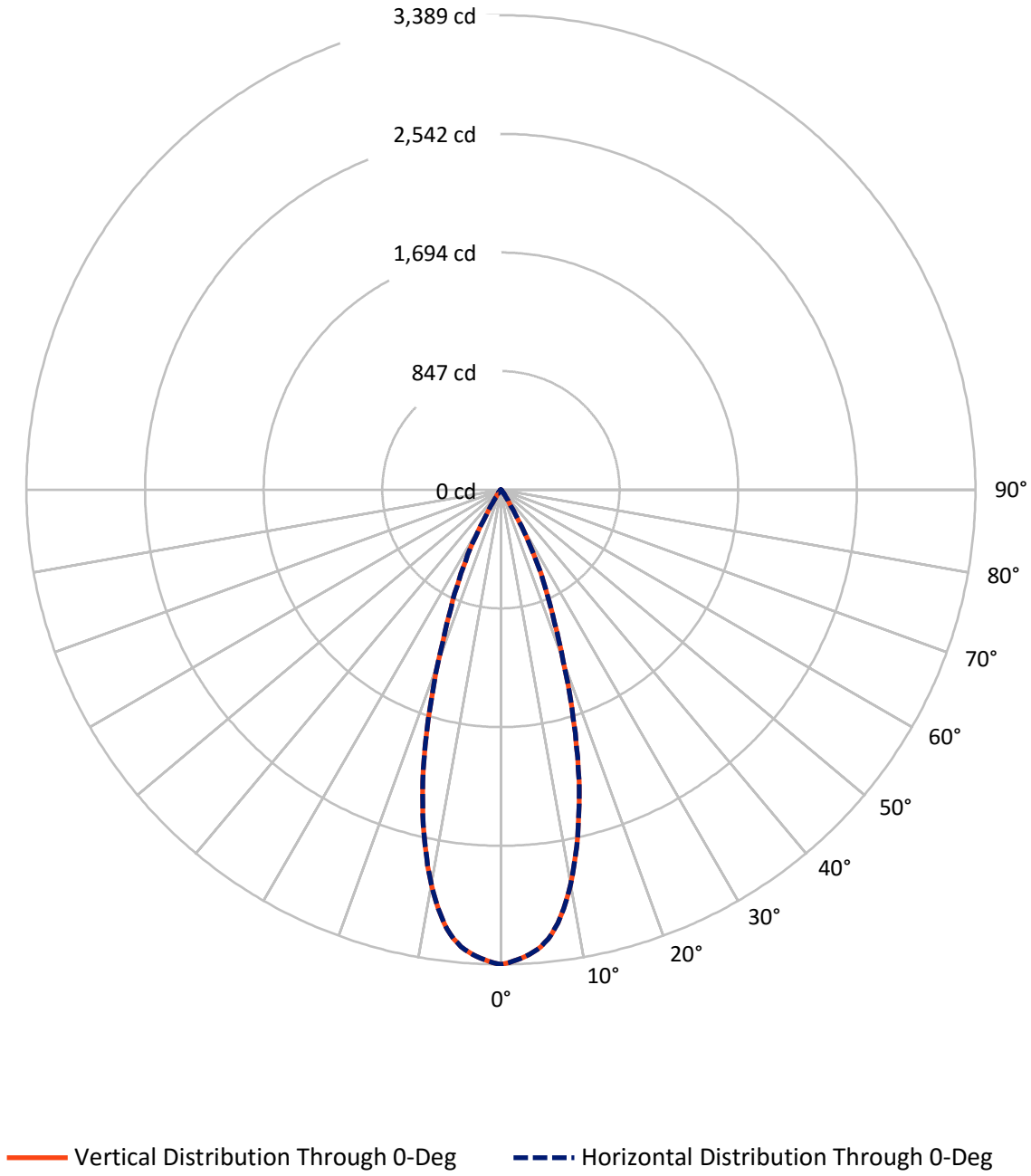
Lumen Table

90	0.0	0.0	0.0	0.1	0.1	0.1	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									
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	0.0	0.0			
60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0				
50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0			
40		0.0	0.0	0.1	0.1	0.4	1.1	2.2	2.2	1.1	0.4	0.1	0.1	0.0				0.0
30	0.0	0.0	0.0	0.1	0.3	2.3	10.9	20.2	20.2	10.9	2.3	0.3	0.1	0.0	0.0	0.0		
20		0.0	0.0	0.1	0.9	10.3	34.5	59.4	59.4	34.5	10.3	0.9	0.1	0.0	0.0			
10	0.0	0.0	0.1	0.1	1.8	18.5	57.8	92.3	92.3	57.8	18.5	1.8	0.1	0.1	0.0	0.0		
0		0.0	0.1	0.1	1.8	18.5	57.8	92.3	92.3	57.8	18.5	1.8	0.1	0.1	0.0			
-10	0.0	0.0	0.1	0.1	1.8	18.5	57.8	92.3	92.3	57.8	18.5	1.8	0.1	0.1	0.0	0.0		
-20		0.0	0.0	0.1	0.9	10.3	34.5	59.4	59.4	34.5	10.3	0.9	0.1	0.0	0.0			
-30	0.0	0.0	0.0	0.1	0.3	2.3	10.9	20.2	20.2	10.9	2.3	0.3	0.1	0.0	0.0	0.0		
-40		0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0			
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
-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			
-70	0.0	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			
-80		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				
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0									

REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

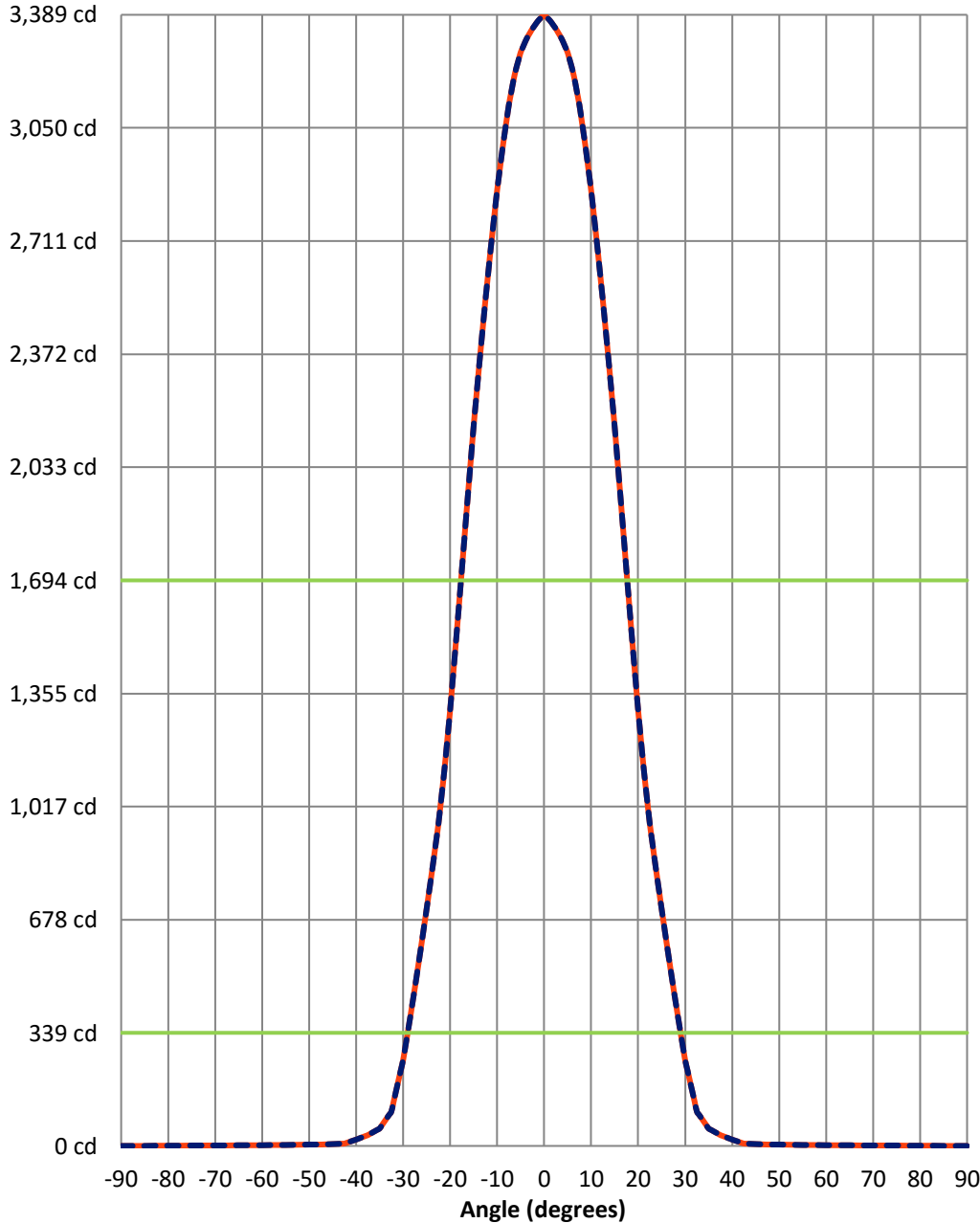
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 35.4°
 V Angle: 35.4°
 Lumens: 755.1
 Efficiency: 59.9%

Field:
 H Angle: 58.1°
 V Angle: 58.1°
 Lumens: 1183.4
 Efficiency: 93.9%

Spill:
 Lumens: 77.2
 Efficiency: 6.1%

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



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

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
56.25°	0	0	0	0	0	0	0	0	0	0	1
55°	0	0	0	0	0	0	0	0	0	0	1
53.75°	0	0	0	0	0	0	0	0	0	0	1
52.5°	0	0	0	0	0	0	0	0	0	1	1
51.25°	0	0	0	0	0	0	0	0	0	1	1
50°	0	0	0	0	0	0	0	0	0	1	1
48.75°	0	0	0	0	0	0	0	0	0	1	1
47.5°	0	0	0	0	0	0	0	0	0	1	1
46.25°	0	0	0	0	0	0	0	0	1	1	1
45°	0	0	0	0	0	0	0	0	1	1	1
43.75°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	0	1	1	1
41.25°	0	0	0	0	0	0	0	0	1	1	1
40°	0	0	0	0	0	0	0	0	1	1	1
38.75°	0	0	0	0	0	0	0	1	1	1	1
37.5°	0	0	0	0	0	0	0	1	1	1	1
36.25°	0	0	0	0	0	0	0	1	1	1	1
35°	0	0	0	0	0	0	0	1	1	1	1



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	0	0	0	1	1	1	1
32.5°	0	0	0	0	0	0	0	1	1	1	1
31.25°	0	0	0	0	0	0	0	1	1	1	1
30°	0	0	0	0	0	0	0	1	1	1	1
28.75°	0	0	0	0	0	0	0	1	1	1	1
27.5°	0	0	0	0	0	0	0	1	1	1	1
26.25°	0	0	0	0	0	0	0	1	1	1	1
25°	0	0	0	0	0	0	1	1	1	1	1
23.75°	0	0	0	0	0	0	1	1	1	1	1
22.5°	0	0	0	0	0	0	1	1	1	1	1
21.25°	0	0	0	0	0	0	1	1	1	1	1
20°	0	0	0	0	0	0	1	1	1	1	1
18.75°	0	0	0	0	0	0	1	1	1	1	1
17.5°	0	0	0	0	0	0	1	1	1	1	1
16.25°	0	0	0	0	0	0	1	1	1	1	1
15°	0	0	0	0	0	0	1	1	1	1	1
13.75°	0	0	0	0	0	0	1	1	1	1	1
12.5°	0	0	0	0	0	0	1	1	1	1	1
11.25°	0	0	0	0	0	0	1	1	1	1	1
10°	0	0	0	0	0	0	1	1	1	1	1
8.75°	0	0	0	0	0	0	1	1	1	1	1
7.5°	0	0	0	0	0	0	1	1	1	1	1
6.25°	0	0	0	0	0	0	1	1	1	1	1
5°	0	0	0	0	0	0	1	1	1	1	1
3.75°	0	0	0	0	0	0	1	1	1	1	1
2.5°	0	0	0	0	0	0	1	1	1	1	1
1.25°	0	0	0	0	0	0	1	1	1	1	1
0°	0	0	0	0	0	0	1	1	1	1	1
-1.25°	0	0	0	0	0	0	1	1	1	1	1
-2.5°	0	0	0	0	0	0	1	1	1	1	1
-3.75°	0	0	0	0	0	0	1	1	1	1	1
-5°	0	0	0	0	0	0	1	1	1	1	1
-6.25°	0	0	0	0	0	0	1	1	1	1	1
-7.5°	0	0	0	0	0	0	1	1	1	1	1
-8.75°	0	0	0	0	0	0	1	1	1	1	1
-10°	0	0	0	0	0	0	1	1	1	1	1
-11.25°	0	0	0	0	0	0	1	1	1	1	1
-12.5°	0	0	0	0	0	0	1	1	1	1	1
-13.75°	0	0	0	0	0	0	1	1	1	1	1
-15°	0	0	0	0	0	0	1	1	1	1	1
-16.25°	0	0	0	0	0	0	1	1	1	1	1
-17.5°	0	0	0	0	0	0	1	1	1	1	1
-18.75°	0	0	0	0	0	0	1	1	1	1	1
-20°	0	0	0	0	0	0	1	1	1	1	1
-21.25°	0	0	0	0	0	0	1	1	1	1	1



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	0	0	1	1	1	1	1
-23.75°	0	0	0	0	0	0	1	1	1	1	1
-25°	0	0	0	0	0	0	1	1	1	1	1
-26.25°	0	0	0	0	0	0	0	1	1	1	1
-27.5°	0	0	0	0	0	0	0	1	1	1	1
-28.75°	0	0	0	0	0	0	0	1	1	1	1
-30°	0	0	0	0	0	0	0	1	1	1	1
-31.25°	0	0	0	0	0	0	0	1	1	1	1
-32.5°	0	0	0	0	0	0	0	1	1	1	1
-33.75°	0	0	0	0	0	0	0	1	1	1	1
-35°	0	0	0	0	0	0	0	1	1	1	1
-36.25°	0	0	0	0	0	0	0	1	1	1	1
-37.5°	0	0	0	0	0	0	0	1	1	1	1
-38.75°	0	0	0	0	0	0	0	1	1	1	1
-40°	0	0	0	0	0	0	0	0	1	1	1
-41.25°	0	0	0	0	0	0	0	0	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-43.75°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-46.25°	0	0	0	0	0	0	0	0	1	1	1
-47.5°	0	0	0	0	0	0	0	0	0	1	1
-48.75°	0	0	0	0	0	0	0	0	0	1	1
-50°	0	0	0	0	0	0	0	0	0	1	1
-51.25°	0	0	0	0	0	0	0	0	0	1	1
-52.5°	0	0	0	0	0	0	0	0	0	1	1
-53.75°	0	0	0	0	0	0	0	0	0	0	1
-55°	0	0	0	0	0	0	0	0	0	0	1
-56.25°	0	0	0	0	0	0	0	0	0	0	1
-57.5°	0	0	0	0	0	0	0	0	0	0	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	1	1
72.5°	0	0	0	0	0	0	0	0	1	1	1
71.25°	0	0	0	0	0	0	0	1	1	1	1
70°	0	0	0	0	0	0	1	1	1	1	1
68.75°	0	0	0	0	0	1	1	1	1	1	1
67.5°	0	0	0	0	1	1	1	1	1	1	1
66.25°	0	0	0	1	1	1	1	1	1	1	1
65°	0	0	1	1	1	1	1	1	1	1	1
63.75°	0	0	1	1	1	1	1	1	1	1	1
62.5°	0	1	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	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	1
43.75°	1	1	1	1	1	1	1	1	1	1	1
42.5°	1	1	1	1	1	1	1	1	1	1	1
41.25°	1	1	1	1	1	1	1	1	1	1	1
40°	1	1	1	1	1	1	1	1	1	1	1
38.75°	1	1	1	1	1	1	1	1	1	1	1
37.5°	1	1	1	1	1	1	1	1	1	1	1
36.25°	1	1	1	1	1	1	1	1	1	1	1
35°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	1	1	1	1	1	1	1	1	1	2	2
-23.75°	1	1	1	1	1	1	1	1	1	1	2
-25°	1	1	1	1	1	1	1	1	1	1	2
-26.25°	1	1	1	1	1	1	1	1	1	1	2
-27.5°	1	1	1	1	1	1	1	1	1	1	2
-28.75°	1	1	1	1	1	1	1	1	1	1	1
-30°	1	1	1	1	1	1	1	1	1	1	1
-31.25°	1	1	1	1	1	1	1	1	1	1	1
-32.5°	1	1	1	1	1	1	1	1	1	1	1
-33.75°	1	1	1	1	1	1	1	1	1	1	1
-35°	1	1	1	1	1	1	1	1	1	1	1
-36.25°	1	1	1	1	1	1	1	1	1	1	1
-37.5°	1	1	1	1	1	1	1	1	1	1	1
-38.75°	1	1	1	1	1	1	1	1	1	1	1
-40°	1	1	1	1	1	1	1	1	1	1	1
-41.25°	1	1	1	1	1	1	1	1	1	1	1
-42.5°	1	1	1	1	1	1	1	1	1	1	1
-43.75°	1	1	1	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	1
-46.25°	1	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-48.75°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	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°	0	1	1	1	1	1	1	1	1	1	1
-62.5°	0	1	1	1	1	1	1	1	1	1	1
-63.75°	0	0	1	1	1	1	1	1	1	1	1
-65°	0	0	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	1	1	1	1	1	1	1	1
-67.5°	0	0	0	0	1	1	1	1	1	1	1
-68.75°	0	0	0	0	0	1	1	1	1	1	1
-70°	0	0	0	0	0	0	1	1	1	1	1
-71.25°	0	0	0	0	0	0	0	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	1	1
-75°	0	0	0	0	0	0	0	0	0	0	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	1	1	1
77.5°	0	0	0	0	0	1	1	1	1	1	1
76.25°	0	0	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	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	2
51.25°	1	1	1	1	1	1	1	1	1	2	2
50°	1	1	1	1	1	1	1	1	2	2	2
48.75°	1	1	1	1	1	1	1	2	2	2	2
47.5°	1	1	1	1	1	1	1	2	2	2	2
46.25°	1	1	1	1	1	1	2	2	2	2	2
45°	1	1	1	1	1	2	2	2	2	2	2
43.75°	1	1	1	1	1	2	2	2	2	2	2
42.5°	1	1	1	1	2	2	2	2	2	2	2
41.25°	1	1	1	2	2	2	2	2	2	2	2
40°	1	1	1	2	2	2	2	2	2	2	2
38.75°	1	1	2	2	2	2	2	2	2	2	2
37.5°	1	1	2	2	2	2	2	2	2	2	2
36.25°	1	1	2	2	2	2	2	2	2	2	2
35°	1	2	2	2	2	2	2	2	2	2	3



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	1	2	2	2	2	2	2	2	2	2	3
32.5°	2	2	2	2	2	2	2	2	2	3	3
31.25°	2	2	2	2	2	2	2	2	2	3	3
30°	2	2	2	2	2	2	2	2	3	3	3
28.75°	2	2	2	2	2	2	2	2	3	3	3
27.5°	2	2	2	2	2	2	2	3	3	3	3
26.25°	2	2	2	2	2	2	2	3	3	3	3
25°	2	2	2	2	2	2	2	3	3	3	3
23.75°	2	2	2	2	2	2	3	3	3	3	3
22.5°	2	2	2	2	2	2	3	3	3	3	3
21.25°	2	2	2	2	2	2	3	3	3	3	3
20°	2	2	2	2	2	3	3	3	3	3	3
18.75°	2	2	2	2	2	3	3	3	3	3	3
17.5°	2	2	2	2	2	3	3	3	3	3	4
16.25°	2	2	2	2	2	3	3	3	3	3	4
15°	2	2	2	2	2	3	3	3	3	3	4
13.75°	2	2	2	2	3	3	3	3	3	3	4
12.5°	2	2	2	2	3	3	3	3	3	4	4
11.25°	2	2	2	2	3	3	3	3	3	4	4
10°	2	2	2	2	3	3	3	3	3	4	4
8.75°	2	2	2	2	3	3	3	3	3	4	4
7.5°	2	2	2	2	3	3	3	3	3	4	4
6.25°	2	2	2	2	3	3	3	3	3	4	4
5°	2	2	2	2	3	3	3	3	3	4	4
3.75°	2	2	2	2	3	3	3	3	3	4	4
2.5°	2	2	2	2	3	3	3	3	3	4	4
1.25°	2	2	2	2	3	3	3	3	3	4	4
0°	2	2	2	2	3	3	3	3	4	4	4
-1.25°	2	2	2	2	3	3	3	3	3	4	4
-2.5°	2	2	2	2	3	3	3	3	3	4	4
-3.75°	2	2	2	2	3	3	3	3	3	4	4
-5°	2	2	2	2	3	3	3	3	3	4	4
-6.25°	2	2	2	2	3	3	3	3	3	4	4
-7.5°	2	2	2	2	3	3	3	3	3	4	4
-8.75°	2	2	2	2	3	3	3	3	3	4	4
-10°	2	2	2	2	3	3	3	3	3	4	4
-11.25°	2	2	2	2	3	3	3	3	3	4	4
-12.5°	2	2	2	2	3	3	3	3	3	4	4
-13.75°	2	2	2	2	3	3	3	3	3	3	4
-15°	2	2	2	2	2	3	3	3	3	3	4
-16.25°	2	2	2	2	2	3	3	3	3	3	4
-17.5°	2	2	2	2	2	3	3	3	3	3	4
-18.75°	2	2	2	2	2	3	3	3	3	3	3
-20°	2	2	2	2	2	3	3	3	3	3	3
-21.25°	2	2	2	2	2	2	3	3	3	3	3



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	2	2	2	2	2	3	3	3	3	3
-23.75°	2	2	2	2	2	2	3	3	3	3	3
-25°	2	2	2	2	2	2	2	3	3	3	3
-26.25°	2	2	2	2	2	2	2	3	3	3	3
-27.5°	2	2	2	2	2	2	2	3	3	3	3
-28.75°	2	2	2	2	2	2	2	2	3	3	3
-30°	2	2	2	2	2	2	2	2	3	3	3
-31.25°	2	2	2	2	2	2	2	2	2	3	3
-32.5°	2	2	2	2	2	2	2	2	2	3	3
-33.75°	1	2	2	2	2	2	2	2	2	2	3
-35°	1	2	2	2	2	2	2	2	2	2	3
-36.25°	1	1	2	2	2	2	2	2	2	2	2
-37.5°	1	1	2	2	2	2	2	2	2	2	2
-38.75°	1	1	2	2	2	2	2	2	2	2	2
-40°	1	1	1	2	2	2	2	2	2	2	2
-41.25°	1	1	1	2	2	2	2	2	2	2	2
-42.5°	1	1	1	1	2	2	2	2	2	2	2
-43.75°	1	1	1	1	1	2	2	2	2	2	2
-45°	1	1	1	1	1	2	2	2	2	2	2
-46.25°	1	1	1	1	1	1	2	2	2	2	2
-47.5°	1	1	1	1	1	1	1	2	2	2	2
-48.75°	1	1	1	1	1	1	1	2	2	2	2
-50°	1	1	1	1	1	1	1	1	2	2	2
-51.25°	1	1	1	1	1	1	1	1	1	2	2
-52.5°	1	1	1	1	1	1	1	1	1	1	2
-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	1
-76.25°	0	0	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	1	1	1	1	1	1



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	0	0	0	0	0	0	0	0	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	1	1	1
80°	0	0	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	1
60°	1	1	1	1	1	1	1	1	2	2	2
58.75°	1	1	1	1	1	1	2	2	2	2	2
57.5°	1	1	1	1	1	2	2	2	2	2	2
56.25°	1	1	1	2	2	2	2	2	2	2	2
55°	1	1	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	2	2
51.25°	2	2	2	2	2	2	2	2	2	2	2
50°	2	2	2	2	2	2	2	2	2	2	2
48.75°	2	2	2	2	2	2	2	2	2	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	3	3	3	3	3
43.75°	2	2	2	2	3	3	3	3	3	3	3
42.5°	2	2	2	2	3	3	3	3	3	3	3
41.25°	2	2	2	3	3	3	3	3	3	3	3
40°	2	2	3	3	3	3	3	3	3	3	4
38.75°	2	3	3	3	3	3	3	3	3	4	4
37.5°	3	3	3	3	3	3	3	3	4	4	4
36.25°	3	3	3	3	3	3	3	4	4	4	4
35°	3	3	3	3	3	3	4	4	4	4	4



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	3	3	3	3	3	4	4	4	4	4	4
32.5°	3	3	3	3	4	4	4	4	4	4	4
31.25°	3	3	3	3	4	4	4	4	4	4	5
30°	3	3	3	4	4	4	4	4	4	5	5
28.75°	3	3	3	4	4	4	4	4	5	5	6
27.5°	3	3	4	4	4	4	4	4	5	5	6
26.25°	3	3	4	4	4	4	4	5	5	6	6
25°	3	4	4	4	4	4	4	5	6	6	7
23.75°	3	4	4	4	4	4	5	5	6	7	7
22.5°	4	4	4	4	4	4	5	6	6	7	10
21.25°	4	4	4	4	4	5	5	6	7	8	13
20°	4	4	4	4	4	5	6	6	7	10	16
18.75°	4	4	4	4	5	5	6	7	8	13	18
17.5°	4	4	4	4	5	5	6	7	10	15	21
16.25°	4	4	4	4	5	6	6	7	12	17	23
15°	4	4	4	5	5	6	7	8	14	19	25
13.75°	4	4	4	5	5	6	7	10	15	21	27
12.5°	4	4	4	5	6	6	7	11	17	23	29
11.25°	4	4	4	5	6	6	7	13	19	25	31
10°	4	4	4	5	6	7	8	14	20	26	33
8.75°	4	4	5	5	6	7	9	15	21	28	35
7.5°	4	4	5	5	6	7	10	16	23	29	37
6.25°	4	4	5	5	6	7	11	17	24	30	39
5°	4	4	5	5	6	7	12	18	24	31	40
3.75°	4	4	5	6	6	7	12	18	25	32	41
2.5°	4	4	5	6	6	7	13	19	25	32	42
1.25°	4	4	5	6	6	7	13	19	26	32	42
0°	4	4	5	6	6	7	13	19	26	33	42
-1.25°	4	4	5	6	6	7	13	19	26	32	42
-2.5°	4	4	5	6	6	7	13	19	25	32	42
-3.75°	4	4	5	6	6	7	12	18	25	32	41
-5°	4	4	5	5	6	7	12	18	24	31	40
-6.25°	4	4	5	5	6	7	11	17	24	30	39
-7.5°	4	4	5	5	6	7	10	16	23	29	37
-8.75°	4	4	5	5	6	7	9	15	21	28	35
-10°	4	4	4	5	6	7	8	14	20	26	33
-11.25°	4	4	4	5	6	6	7	13	19	25	31
-12.5°	4	4	4	5	6	6	7	11	17	23	29
-13.75°	4	4	4	5	5	6	7	10	15	21	27
-15°	4	4	4	5	5	6	7	8	14	19	25
-16.25°	4	4	4	4	5	6	6	7	12	17	23
-17.5°	4	4	4	4	5	5	6	7	10	15	21
-18.75°	4	4	4	4	5	5	6	7	8	13	18
-20°	4	4	4	4	4	5	6	6	7	10	16
-21.25°	4	4	4	4	4	5	5	6	7	8	13



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	4	4	4	4	4	4	5	6	6	7	10
-23.75°	3	4	4	4	4	4	5	5	6	7	7
-25°	3	4	4	4	4	4	4	5	6	6	7
-26.25°	3	3	4	4	4	4	4	5	5	6	6
-27.5°	3	3	4	4	4	4	4	4	5	5	6
-28.75°	3	3	3	4	4	4	4	4	5	5	6
-30°	3	3	3	4	4	4	4	4	4	5	5
-31.25°	3	3	3	3	4	4	4	4	4	4	5
-32.5°	3	3	3	3	4	4	4	4	4	4	4
-33.75°	3	3	3	3	3	4	4	4	4	4	4
-35°	3	3	3	3	3	3	4	4	4	4	4
-36.25°	3	3	3	3	3	3	3	4	4	4	4
-37.5°	3	3	3	3	3	3	3	3	4	4	4
-38.75°	2	3	3	3	3	3	3	3	3	4	4
-40°	2	2	3	3	3	3	3	3	3	3	4
-41.25°	2	2	2	3	3	3	3	3	3	3	3
-42.5°	2	2	2	2	3	3	3	3	3	3	3
-43.75°	2	2	2	2	3	3	3	3	3	3	3
-45°	2	2	2	2	2	2	3	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°	2	2	2	2	2	2	2	2	2	3	3
-50°	2	2	2	2	2	2	2	2	2	2	2
-51.25°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	1	1	2	2	2	2	2	2	2	2	2
-56.25°	1	1	1	2	2	2	2	2	2	2	2
-57.5°	1	1	1	1	1	2	2	2	2	2	2
-58.75°	1	1	1	1	1	1	2	2	2	2	2
-60°	1	1	1	1	1	1	1	1	2	2	2
-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	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	1	1	1	1	1	1	1	1	1
-81.25°	0	0	0	0	0	0	0	0	1	1	1
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	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	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	2
63.75°	1	1	1	1	1	1	2	2	2	2	2
62.5°	1	1	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	3	3
53.75°	2	2	2	2	2	2	3	3	3	3	3
52.5°	2	2	2	2	3	3	3	3	3	3	3
51.25°	2	2	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	3	3	3	3	3	3	3	3	3	3	4
47.5°	3	3	3	3	3	3	3	3	4	4	4
46.25°	3	3	3	3	3	3	4	4	4	4	4
45°	3	3	3	3	4	4	4	4	4	4	4
43.75°	3	3	4	4	4	4	4	4	4	4	4
42.5°	3	4	4	4	4	4	4	4	4	4	4
41.25°	4	4	4	4	4	4	4	4	4	5	5
40°	4	4	4	4	4	4	4	5	5	5	6
38.75°	4	4	4	4	4	5	5	5	6	6	6
37.5°	4	4	4	4	5	5	5	6	6	7	7
36.25°	4	4	4	5	5	6	6	6	7	7	10
35°	4	4	5	5	6	6	7	7	9	12	15



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	4	5	5	6	6	7	7	11	14	17	20
32.5°	5	5	6	6	7	8	12	15	18	22	25
31.25°	5	6	6	7	8	12	16	19	23	27	31
30°	6	6	7	8	12	16	20	24	28	32	38
28.75°	6	7	8	12	16	20	25	29	33	39	45
27.5°	7	7	12	16	20	25	29	34	40	47	53
26.25°	7	11	15	19	24	29	34	41	47	56	72
25°	9	14	18	23	28	33	40	47	57	74	90
23.75°	12	17	22	27	32	39	47	56	74	91	118
22.5°	15	20	25	31	38	45	53	72	90	118	171
21.25°	18	23	29	35	43	51	68	87	112	168	223
20°	21	27	32	40	48	62	82	102	158	216	278
18.75°	24	29	36	45	54	75	96	142	203	264	343
17.5°	26	32	41	49	66	88	120	183	246	324	409
16.25°	29	36	45	55	78	99	158	223	297	384	473
15°	31	40	49	66	88	126	193	260	349	441	536
13.75°	34	43	52	75	98	158	226	307	401	497	596
12.5°	37	46	61	84	117	187	257	351	449	551	654
11.25°	40	49	69	93	143	215	295	393	495	600	708
10°	43	52	76	100	166	239	330	432	538	647	758
8.75°	45	58	82	113	187	262	362	467	576	689	803
7.5°	47	63	88	131	206	288	391	499	610	726	843
6.25°	48	67	92	146	221	311	416	526	640	758	877
5°	50	71	96	158	234	329	436	549	665	785	905
3.75°	51	74	99	168	245	343	453	567	685	806	930
2.5°	52	76	101	175	252	354	464	580	699	821	949
1.25°	52	77	103	179	256	361	472	587	707	830	960
0°	52	78	103	180	258	363	474	590	710	833	963
-1.25°	52	77	103	179	256	361	472	587	707	830	960
-2.5°	52	76	101	175	252	354	464	580	699	821	949
-3.75°	51	74	99	168	245	343	453	567	685	806	930
-5°	50	71	96	158	234	329	436	549	665	785	905
-6.25°	48	67	92	146	221	311	416	526	640	758	877
-7.5°	47	63	88	131	206	288	391	499	610	726	843
-8.75°	45	58	82	113	187	262	362	467	576	689	803
-10°	43	52	76	100	166	239	330	432	538	647	758
-11.25°	40	49	69	93	143	215	295	393	495	600	708
-12.5°	37	46	61	84	117	187	257	351	449	551	654
-13.75°	34	43	52	75	98	158	226	307	401	497	596
-15°	31	40	49	66	88	126	193	260	349	441	536
-16.25°	29	36	45	55	78	99	158	223	297	384	473
-17.5°	26	32	41	49	66	88	120	183	246	324	409
-18.75°	24	29	36	45	54	75	96	142	203	264	343
-20°	21	27	32	40	48	62	82	102	158	216	278
-21.25°	18	23	29	35	43	51	68	87	112	168	223



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	15	20	25	31	38	45	53	72	90	118	171
-23.75°	12	17	22	27	32	39	47	56	74	91	118
-25°	9	14	18	23	28	33	40	47	57	74	90
-26.25°	7	11	15	19	24	29	34	41	47	56	72
-27.5°	7	7	12	16	20	25	29	34	40	47	53
-28.75°	6	7	8	12	16	20	25	29	33	39	45
-30°	6	6	7	8	12	16	20	24	28	32	38
-31.25°	5	6	6	7	8	12	16	19	23	27	31
-32.5°	5	5	6	6	7	8	12	15	18	22	25
-33.75°	4	5	5	6	6	7	7	11	14	17	20
-35°	4	4	5	5	6	6	7	7	9	12	15
-36.25°	4	4	4	5	5	6	6	6	7	7	10
-37.5°	4	4	4	4	5	5	5	6	6	7	7
-38.75°	4	4	4	4	4	5	5	5	6	6	6
-40°	4	4	4	4	4	4	4	5	5	5	6
-41.25°	4	4	4	4	4	4	4	4	4	5	5
-42.5°	3	4	4	4	4	4	4	4	4	4	4
-43.75°	3	3	4	4	4	4	4	4	4	4	4
-45°	3	3	3	3	4	4	4	4	4	4	4
-46.25°	3	3	3	3	3	3	4	4	4	4	4
-47.5°	3	3	3	3	3	3	3	3	4	4	4
-48.75°	3	3	3	3	3	3	3	3	3	3	4
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	2	2	3	3	3	3	3	3	3	3	3
-52.5°	2	2	2	2	3	3	3	3	3	3	3
-53.75°	2	2	2	2	2	2	3	3	3	3	3
-55°	2	2	2	2	2	2	2	2	2	3	3
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	2	2	2	2	2
-65°	1	1	1	1	1	1	1	1	1	1	2
-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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	0	0	0	0	0	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	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	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	3	3	3	3	3
56.25°	2	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	4	4	4	4
50°	3	3	3	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	5
45°	4	4	4	4	4	5	5	5	5	5	5
43.75°	4	4	5	5	5	5	5	6	6	6	6
42.5°	5	5	5	5	6	6	6	6	6	7	7
41.25°	5	6	6	6	6	7	7	7	7	8	9
40°	6	6	7	7	7	8	10	11	13	14	15
38.75°	7	7	8	10	12	14	15	17	19	20	21
37.5°	8	10	13	15	17	19	21	23	25	26	28
36.25°	13	16	18	21	23	25	27	29	31	33	35
35°	18	21	24	26	29	31	34	37	40	43	45



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	23	27	29	32	36	40	43	46	49	52	58
32.5°	29	32	36	41	45	49	52	61	69	76	82
31.25°	35	40	45	49	55	66	75	84	93	100	113
30°	43	48	54	66	78	88	98	117	143	166	187
28.75°	51	62	75	88	99	126	158	187	215	239	262
27.5°	68	82	96	120	158	193	226	257	295	330	362
26.25°	87	102	142	183	223	260	307	351	393	432	467
25°	112	158	203	246	297	349	401	449	495	538	576
23.75°	168	216	264	324	384	441	497	551	600	647	689
22.5°	223	278	343	409	473	536	596	654	708	758	803
21.25°	283	353	424	495	565	632	697	759	817	869	918
20°	353	429	506	582	656	728	798	863	926	990	1052
18.75°	424	506	588	668	748	824	897	974	1052	1132	1211
17.5°	495	582	668	754	838	919	1006	1102	1198	1294	1387
16.25°	565	656	748	838	927	1023	1132	1245	1359	1468	1571
15°	632	728	824	919	1023	1142	1269	1399	1525	1645	1759
13.75°	697	798	897	1006	1132	1269	1412	1554	1692	1824	1944
12.5°	759	863	974	1102	1245	1399	1554	1708	1857	1995	2120
11.25°	817	926	1052	1198	1359	1525	1692	1857	2012	2155	2278
10°	869	990	1132	1294	1468	1645	1824	1995	2155	2295	2423
8.75°	918	1052	1211	1387	1571	1759	1944	2120	2278	2423	2553
7.5°	966	1113	1284	1471	1664	1861	2051	2227	2388	2535	2669
6.25°	1008	1167	1350	1546	1748	1950	2143	2319	2483	2633	2771
5°	1046	1216	1407	1608	1818	2023	2216	2395	2561	2715	2854
3.75°	1078	1255	1452	1659	1873	2080	2274	2456	2623	2779	2917
2.5°	1102	1283	1485	1696	1913	2122	2316	2498	2667	2825	2964
1.25°	1116	1300	1505	1719	1937	2148	2341	2524	2695	2853	2991
0°	1120	1306	1512	1727	1945	2156	2349	2532	2704	2863	3000
-1.25°	1116	1300	1505	1719	1937	2148	2341	2524	2695	2853	2991
-2.5°	1102	1283	1485	1696	1913	2122	2316	2498	2667	2825	2964
-3.75°	1078	1255	1452	1659	1873	2080	2274	2456	2623	2779	2917
-5°	1046	1216	1407	1608	1818	2023	2216	2395	2561	2715	2854
-6.25°	1008	1167	1350	1546	1748	1950	2143	2319	2483	2633	2771
-7.5°	966	1113	1284	1471	1664	1861	2051	2227	2388	2535	2669
-8.75°	918	1052	1211	1387	1571	1759	1944	2120	2278	2423	2553
-10°	869	990	1132	1294	1468	1645	1824	1995	2155	2295	2423
-11.25°	817	926	1052	1198	1359	1525	1692	1857	2012	2155	2278
-12.5°	759	863	974	1102	1245	1399	1554	1708	1857	1995	2120
-13.75°	697	798	897	1006	1132	1269	1412	1554	1692	1824	1944
-15°	632	728	824	919	1023	1142	1269	1399	1525	1645	1759
-16.25°	565	656	748	838	927	1023	1132	1245	1359	1468	1571
-17.5°	495	582	668	754	838	919	1006	1102	1198	1294	1387
-18.75°	424	506	588	668	748	824	897	974	1052	1132	1211
-20°	353	429	506	582	656	728	798	863	926	990	1052
-21.25°	283	353	424	495	565	632	697	759	817	869	918



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	223	278	343	409	473	536	596	654	708	758	803
-23.75°	168	216	264	324	384	441	497	551	600	647	689
-25°	112	158	203	246	297	349	401	449	495	538	576
-26.25°	87	102	142	183	223	260	307	351	393	432	467
-27.5°	68	82	96	120	158	193	226	257	295	330	362
-28.75°	51	62	75	88	99	126	158	187	215	239	262
-30°	43	48	54	66	78	88	98	117	143	166	187
-31.25°	35	40	45	49	55	66	75	84	93	100	113
-32.5°	29	32	36	41	45	49	52	61	69	76	82
-33.75°	23	27	29	32	36	40	43	46	49	52	58
-35°	18	21	24	26	29	31	34	37	40	43	45
-36.25°	13	16	18	21	23	25	27	29	31	33	35
-37.5°	8	10	13	15	17	19	21	23	25	26	28
-38.75°	7	7	8	10	12	14	15	17	19	20	21
-40°	6	6	7	7	7	8	10	11	13	14	15
-41.25°	5	6	6	6	6	7	7	7	7	8	9
-42.5°	5	5	5	5	6	6	6	6	6	7	7
-43.75°	4	4	5	5	5	5	5	6	6	6	6
-45°	4	4	4	4	4	5	5	5	5	5	5
-46.25°	4	4	4	4	4	4	4	4	4	4	5
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	3	3	3	4	4	4	4	4	4	4	4
-51.25°	3	3	3	3	3	3	3	4	4	4	4
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	2	3	3	3	3	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	3	3	3	3	3
-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	1	1	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	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°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	4	3	3	3	3
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°	5	5	5	5	5	5	5	5	5	5	5
45°	5	5	5	6	6	6	6	6	6	6	5
43.75°	6	6	6	6	6	6	6	6	6	6	6
42.5°	7	7	7	7	7	7	7	7	7	7	7
41.25°	10	11	12	12	13	13	13	13	13	12	12
40°	16	17	18	18	19	19	19	19	19	18	18
38.75°	23	24	24	25	25	26	26	26	25	25	24
37.5°	29	30	31	32	32	32	33	32	32	32	31
36.25°	37	39	40	41	42	42	42	42	42	41	40
35°	47	48	50	51	52	52	52	52	52	51	50



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	63	67	71	74	76	77	78	77	76	74	71
32.5°	88	92	96	99	101	103	103	103	101	99	96
31.25°	131	146	158	168	175	179	180	179	175	168	158
30°	206	221	234	245	252	256	258	256	252	245	234
28.75°	288	311	329	343	354	361	363	361	354	343	329
27.5°	391	416	436	453	464	472	474	472	464	453	436
26.25°	499	526	549	567	580	587	590	587	580	567	549
25°	610	640	665	685	699	707	710	707	699	685	665
23.75°	726	758	785	806	821	830	833	830	821	806	785
22.5°	843	877	905	930	949	960	963	960	949	930	905
21.25°	966	1008	1046	1078	1102	1116	1120	1116	1102	1078	1046
20°	1113	1167	1216	1255	1283	1300	1306	1300	1283	1255	1216
18.75°	1284	1350	1407	1452	1485	1505	1512	1505	1485	1452	1407
17.5°	1471	1546	1608	1659	1696	1719	1727	1719	1696	1659	1608
16.25°	1664	1748	1818	1873	1913	1937	1945	1937	1913	1873	1818
15°	1861	1950	2023	2080	2122	2148	2156	2148	2122	2080	2023
13.75°	2051	2143	2216	2274	2316	2341	2349	2341	2316	2274	2216
12.5°	2227	2319	2395	2456	2498	2524	2532	2524	2498	2456	2395
11.25°	2388	2483	2561	2623	2667	2695	2704	2695	2667	2623	2561
10°	2535	2633	2715	2779	2825	2853	2863	2853	2825	2779	2715
8.75°	2669	2771	2854	2917	2964	2991	3000	2991	2964	2917	2854
7.5°	2789	2891	2974	3037	3084	3110	3119	3110	3084	3037	2974
6.25°	2891	2992	3076	3138	3180	3204	3212	3204	3180	3138	3076
5°	2974	3076	3156	3213	3248	3269	3276	3269	3248	3213	3156
3.75°	3037	3138	3213	3262	3293	3312	3317	3312	3293	3262	3213
2.5°	3084	3180	3248	3293	3323	3341	3347	3341	3323	3293	3248
1.25°	3110	3204	3269	3312	3341	3362	3372	3362	3341	3312	3269
0°	3119	3212	3276	3317	3347	3372	3389	3372	3347	3317	3276
-1.25°	3110	3204	3269	3312	3341	3362	3372	3362	3341	3312	3269
-2.5°	3084	3180	3248	3293	3323	3341	3347	3341	3323	3293	3248
-3.75°	3037	3138	3213	3262	3293	3312	3317	3312	3293	3262	3213
-5°	2974	3076	3156	3213	3248	3269	3276	3269	3248	3213	3156
-6.25°	2891	2992	3076	3138	3180	3204	3212	3204	3180	3138	3076
-7.5°	2789	2891	2974	3037	3084	3110	3119	3110	3084	3037	2974
-8.75°	2669	2771	2854	2917	2964	2991	3000	2991	2964	2917	2854
-10°	2535	2633	2715	2779	2825	2853	2863	2853	2825	2779	2715
-11.25°	2388	2483	2561	2623	2667	2695	2704	2695	2667	2623	2561
-12.5°	2227	2319	2395	2456	2498	2524	2532	2524	2498	2456	2395
-13.75°	2051	2143	2216	2274	2316	2341	2349	2341	2316	2274	2216
-15°	1861	1950	2023	2080	2122	2148	2156	2148	2122	2080	2023
-16.25°	1664	1748	1818	1873	1913	1937	1945	1937	1913	1873	1818
-17.5°	1471	1546	1608	1659	1696	1719	1727	1719	1696	1659	1608
-18.75°	1284	1350	1407	1452	1485	1505	1512	1505	1485	1452	1407
-20°	1113	1167	1216	1255	1283	1300	1306	1300	1283	1255	1216
-21.25°	966	1008	1046	1078	1102	1116	1120	1116	1102	1078	1046



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	843	877	905	930	949	960	963	960	949	930	905
-23.75°	726	758	785	806	821	830	833	830	821	806	785
-25°	610	640	665	685	699	707	710	707	699	685	665
-26.25°	499	526	549	567	580	587	590	587	580	567	549
-27.5°	391	416	436	453	464	472	474	472	464	453	436
-28.75°	288	311	329	343	354	361	363	361	354	343	329
-30°	206	221	234	245	252	256	258	256	252	245	234
-31.25°	131	146	158	168	175	179	180	179	175	168	158
-32.5°	88	92	96	99	101	103	103	103	101	99	96
-33.75°	63	67	71	74	76	77	78	77	76	74	71
-35°	47	48	50	51	52	52	52	52	52	51	50
-36.25°	37	39	40	41	42	42	42	42	42	41	40
-37.5°	29	30	31	32	32	32	33	32	32	32	31
-38.75°	23	24	24	25	25	26	26	26	25	25	24
-40°	16	17	18	18	19	19	19	19	19	18	18
-41.25°	10	11	12	12	13	13	13	13	13	12	12
-42.5°	7	7	7	7	7	7	7	7	7	7	7
-43.75°	6	6	6	6	6	6	6	6	6	6	6
-45°	5	5	5	6	6	6	6	6	6	6	5
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-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	3	3	3	3	3	4	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	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°	2	2	2	2	2	2	2	2	1	1	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°	3	3	3	3	3	3	3	2	2	2	2
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	4	4	4	4	4	4	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	3
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	5	5	5	4	4	4	4	4	4	4	4
45°	5	5	5	5	5	5	5	5	4	4	4
43.75°	6	6	6	6	6	6	5	5	5	5	5
42.5°	7	7	7	7	6	6	6	6	6	5	5
41.25°	11	10	9	8	7	7	7	7	6	6	6
40°	17	16	15	14	13	11	10	8	7	7	7
38.75°	24	23	21	20	19	17	15	14	12	10	8
37.5°	30	29	28	26	25	23	21	19	17	15	13
36.25°	39	37	35	33	31	29	27	25	23	21	18
35°	48	47	45	43	40	37	34	31	29	26	24



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	67	63	58	52	49	46	43	40	36	32	29
32.5°	92	88	82	76	69	61	52	49	45	41	36
31.25°	146	131	113	100	93	84	75	66	55	49	45
30°	221	206	187	166	143	117	98	88	78	66	54
28.75°	311	288	262	239	215	187	158	126	99	88	75
27.5°	416	391	362	330	295	257	226	193	158	120	96
26.25°	526	499	467	432	393	351	307	260	223	183	142
25°	640	610	576	538	495	449	401	349	297	246	203
23.75°	758	726	689	647	600	551	497	441	384	324	264
22.5°	877	843	803	758	708	654	596	536	473	409	343
21.25°	1008	966	918	869	817	759	697	632	565	495	424
20°	1167	1113	1052	990	926	863	798	728	656	582	506
18.75°	1350	1284	1211	1132	1052	974	897	824	748	668	588
17.5°	1546	1471	1387	1294	1198	1102	1006	919	838	754	668
16.25°	1748	1664	1571	1468	1359	1245	1132	1023	927	838	748
15°	1950	1861	1759	1645	1525	1399	1269	1142	1023	919	824
13.75°	2143	2051	1944	1824	1692	1554	1412	1269	1132	1006	897
12.5°	2319	2227	2120	1995	1857	1708	1554	1399	1245	1102	974
11.25°	2483	2388	2278	2155	2012	1857	1692	1525	1359	1198	1052
10°	2633	2535	2423	2295	2155	1995	1824	1645	1468	1294	1132
8.75°	2771	2669	2553	2423	2278	2120	1944	1759	1571	1387	1211
7.5°	2891	2789	2669	2535	2388	2227	2051	1861	1664	1471	1284
6.25°	2992	2891	2771	2633	2483	2319	2143	1950	1748	1546	1350
5°	3076	2974	2854	2715	2561	2395	2216	2023	1818	1608	1407
3.75°	3138	3037	2917	2779	2623	2456	2274	2080	1873	1659	1452
2.5°	3180	3084	2964	2825	2667	2498	2316	2122	1913	1696	1485
1.25°	3204	3110	2991	2853	2695	2524	2341	2148	1937	1719	1505
0°	3212	3119	3000	2863	2704	2532	2349	2156	1945	1727	1512
-1.25°	3204	3110	2991	2853	2695	2524	2341	2148	1937	1719	1505
-2.5°	3180	3084	2964	2825	2667	2498	2316	2122	1913	1696	1485
-3.75°	3138	3037	2917	2779	2623	2456	2274	2080	1873	1659	1452
-5°	3076	2974	2854	2715	2561	2395	2216	2023	1818	1608	1407
-6.25°	2992	2891	2771	2633	2483	2319	2143	1950	1748	1546	1350
-7.5°	2891	2789	2669	2535	2388	2227	2051	1861	1664	1471	1284
-8.75°	2771	2669	2553	2423	2278	2120	1944	1759	1571	1387	1211
-10°	2633	2535	2423	2295	2155	1995	1824	1645	1468	1294	1132
-11.25°	2483	2388	2278	2155	2012	1857	1692	1525	1359	1198	1052
-12.5°	2319	2227	2120	1995	1857	1708	1554	1399	1245	1102	974
-13.75°	2143	2051	1944	1824	1692	1554	1412	1269	1132	1006	897
-15°	1950	1861	1759	1645	1525	1399	1269	1142	1023	919	824
-16.25°	1748	1664	1571	1468	1359	1245	1132	1023	927	838	748
-17.5°	1546	1471	1387	1294	1198	1102	1006	919	838	754	668
-18.75°	1350	1284	1211	1132	1052	974	897	824	748	668	588
-20°	1167	1113	1052	990	926	863	798	728	656	582	506
-21.25°	1008	966	918	869	817	759	697	632	565	495	424



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	877	843	803	758	708	654	596	536	473	409	343
-23.75°	758	726	689	647	600	551	497	441	384	324	264
-25°	640	610	576	538	495	449	401	349	297	246	203
-26.25°	526	499	467	432	393	351	307	260	223	183	142
-27.5°	416	391	362	330	295	257	226	193	158	120	96
-28.75°	311	288	262	239	215	187	158	126	99	88	75
-30°	221	206	187	166	143	117	98	88	78	66	54
-31.25°	146	131	113	100	93	84	75	66	55	49	45
-32.5°	92	88	82	76	69	61	52	49	45	41	36
-33.75°	67	63	58	52	49	46	43	40	36	32	29
-35°	48	47	45	43	40	37	34	31	29	26	24
-36.25°	39	37	35	33	31	29	27	25	23	21	18
-37.5°	30	29	28	26	25	23	21	19	17	15	13
-38.75°	24	23	21	20	19	17	15	14	12	10	8
-40°	17	16	15	14	13	11	10	8	7	7	7
-41.25°	11	10	9	8	7	7	7	7	6	6	6
-42.5°	7	7	7	7	6	6	6	6	6	5	5
-43.75°	6	6	6	6	6	6	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	4	4	4
-46.25°	5	5	5	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	3
-51.25°	4	4	4	4	4	4	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	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	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	0	0	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°	2	2	2	1	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	3	2	2	2	2	2	2	2
53.75°	3	3	3	3	3	3	3	2	2	2	2
52.5°	3	3	3	3	3	3	3	3	2	2	2
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	4	4	4	3	3	3	3	3	3	3	3
47.5°	4	4	4	4	4	3	3	3	3	3	3
46.25°	4	4	4	4	4	4	4	3	3	3	3
45°	4	4	4	4	4	4	4	4	4	3	3
43.75°	4	4	4	4	4	4	4	4	4	4	4
42.5°	5	5	4	4	4	4	4	4	4	4	4
41.25°	6	5	5	5	4	4	4	4	4	4	4
40°	6	6	6	5	5	5	4	4	4	4	4
38.75°	7	7	6	6	6	5	5	5	4	4	4
37.5°	10	8	7	7	6	6	5	5	5	4	4
36.25°	16	13	10	7	7	6	6	6	5	5	4
35°	21	18	15	12	9	7	7	6	6	5	5

REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	27	23	20	17	14	11	7	7	6	6	5
32.5°	32	29	25	22	18	15	12	8	7	6	6
31.25°	40	35	31	27	23	19	16	12	8	7	6
30°	48	43	38	32	28	24	20	16	12	8	7
28.75°	62	51	45	39	33	29	25	20	16	12	8
27.5°	82	68	53	47	40	34	29	25	20	16	12
26.25°	102	87	72	56	47	41	34	29	24	19	15
25°	158	112	90	74	57	47	40	33	28	23	18
23.75°	216	168	118	91	74	56	47	39	32	27	22
22.5°	278	223	171	118	90	72	53	45	38	31	25
21.25°	353	283	223	168	112	87	68	51	43	35	29
20°	429	353	278	216	158	102	82	62	48	40	32
18.75°	506	424	343	264	203	142	96	75	54	45	36
17.5°	582	495	409	324	246	183	120	88	66	49	41
16.25°	656	565	473	384	297	223	158	99	78	55	45
15°	728	632	536	441	349	260	193	126	88	66	49
13.75°	798	697	596	497	401	307	226	158	98	75	52
12.5°	863	759	654	551	449	351	257	187	117	84	61
11.25°	926	817	708	600	495	393	295	215	143	93	69
10°	990	869	758	647	538	432	330	239	166	100	76
8.75°	1052	918	803	689	576	467	362	262	187	113	82
7.5°	1113	966	843	726	610	499	391	288	206	131	88
6.25°	1167	1008	877	758	640	526	416	311	221	146	92
5°	1216	1046	905	785	665	549	436	329	234	158	96
3.75°	1255	1078	930	806	685	567	453	343	245	168	99
2.5°	1283	1102	949	821	699	580	464	354	252	175	101
1.25°	1300	1116	960	830	707	587	472	361	256	179	103
0°	1306	1120	963	833	710	590	474	363	258	180	103
-1.25°	1300	1116	960	830	707	587	472	361	256	179	103
-2.5°	1283	1102	949	821	699	580	464	354	252	175	101
-3.75°	1255	1078	930	806	685	567	453	343	245	168	99
-5°	1216	1046	905	785	665	549	436	329	234	158	96
-6.25°	1167	1008	877	758	640	526	416	311	221	146	92
-7.5°	1113	966	843	726	610	499	391	288	206	131	88
-8.75°	1052	918	803	689	576	467	362	262	187	113	82
-10°	990	869	758	647	538	432	330	239	166	100	76
-11.25°	926	817	708	600	495	393	295	215	143	93	69
-12.5°	863	759	654	551	449	351	257	187	117	84	61
-13.75°	798	697	596	497	401	307	226	158	98	75	52
-15°	728	632	536	441	349	260	193	126	88	66	49
-16.25°	656	565	473	384	297	223	158	99	78	55	45
-17.5°	582	495	409	324	246	183	120	88	66	49	41
-18.75°	506	424	343	264	203	142	96	75	54	45	36
-20°	429	353	278	216	158	102	82	62	48	40	32
-21.25°	353	283	223	168	112	87	68	51	43	35	29



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	278	223	171	118	90	72	53	45	38	31	25
-23.75°	216	168	118	91	74	56	47	39	32	27	22
-25°	158	112	90	74	57	47	40	33	28	23	18
-26.25°	102	87	72	56	47	41	34	29	24	19	15
-27.5°	82	68	53	47	40	34	29	25	20	16	12
-28.75°	62	51	45	39	33	29	25	20	16	12	8
-30°	48	43	38	32	28	24	20	16	12	8	7
-31.25°	40	35	31	27	23	19	16	12	8	7	6
-32.5°	32	29	25	22	18	15	12	8	7	6	6
-33.75°	27	23	20	17	14	11	7	7	6	6	5
-35°	21	18	15	12	9	7	7	6	6	5	5
-36.25°	16	13	10	7	7	6	6	6	5	5	4
-37.5°	10	8	7	7	6	6	5	5	5	4	4
-38.75°	7	7	6	6	6	5	5	5	4	4	4
-40°	6	6	6	5	5	5	4	4	4	4	4
-41.25°	6	5	5	5	4	4	4	4	4	4	4
-42.5°	5	5	4	4	4	4	4	4	4	4	4
-43.75°	4	4	4	4	4	4	4	4	4	4	4
-45°	4	4	4	4	4	4	4	4	4	3	3
-46.25°	4	4	4	4	4	4	4	3	3	3	3
-47.5°	4	4	4	4	4	3	3	3	3	3	3
-48.75°	4	4	4	3	3	3	3	3	3	3	3
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	2	2
-53.75°	3	3	3	3	3	3	3	2	2	2	2
-55°	3	3	3	3	2	2	2	2	2	2	2
-56.25°	3	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	1	1	1	1
-65°	2	2	2	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	1	1	1	1	1	0	0	0	0	0	0
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	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°	2	2	1	1	1	1	1	1	1	1	1
60°	2	2	2	2	2	1	1	1	1	1	1
58.75°	2	2	2	2	2	2	2	1	1	1	1
57.5°	2	2	2	2	2	2	2	2	1	1	1
56.25°	2	2	2	2	2	2	2	2	2	2	1
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°	3	3	2	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	3	2	2	2	2
43.75°	3	3	3	3	3	3	3	3	3	2	2
42.5°	4	3	3	3	3	3	3	3	3	2	2
41.25°	4	4	3	3	3	3	3	3	3	3	2
40°	4	4	4	3	3	3	3	3	3	3	3
38.75°	4	4	4	4	3	3	3	3	3	3	3
37.5°	4	4	4	4	4	3	3	3	3	3	3
36.25°	4	4	4	4	4	4	3	3	3	3	3
35°	4	4	4	4	4	4	4	3	3	3	3



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	5	4	4	4	4	4	4	4	3	3	3
32.5°	5	5	4	4	4	4	4	4	4	3	3
31.25°	6	5	5	4	4	4	4	4	4	3	3
30°	6	6	5	5	4	4	4	4	4	4	3
28.75°	7	6	6	5	5	4	4	4	4	4	3
27.5°	7	7	6	5	5	4	4	4	4	4	4
26.25°	11	7	6	6	5	5	4	4	4	4	4
25°	14	9	7	6	6	5	4	4	4	4	4
23.75°	17	12	7	7	6	5	5	4	4	4	4
22.5°	20	15	10	7	6	6	5	4	4	4	4
21.25°	23	18	13	8	7	6	5	5	4	4	4
20°	27	21	16	10	7	6	6	5	4	4	4
18.75°	29	24	18	13	8	7	6	5	5	4	4
17.5°	32	26	21	15	10	7	6	5	5	4	4
16.25°	36	29	23	17	12	7	6	6	5	4	4
15°	40	31	25	19	14	8	7	6	5	5	4
13.75°	43	34	27	21	15	10	7	6	5	5	4
12.5°	46	37	29	23	17	11	7	6	6	5	4
11.25°	49	40	31	25	19	13	7	6	6	5	4
10°	52	43	33	26	20	14	8	7	6	5	4
8.75°	58	45	35	28	21	15	9	7	6	5	5
7.5°	63	47	37	29	23	16	10	7	6	5	5
6.25°	67	48	39	30	24	17	11	7	6	5	5
5°	71	50	40	31	24	18	12	7	6	5	5
3.75°	74	51	41	32	25	18	12	7	6	6	5
2.5°	76	52	42	32	25	19	13	7	6	6	5
1.25°	77	52	42	32	26	19	13	7	6	6	5
0°	78	52	42	33	26	19	13	7	6	6	5
-1.25°	77	52	42	32	26	19	13	7	6	6	5
-2.5°	76	52	42	32	25	19	13	7	6	6	5
-3.75°	74	51	41	32	25	18	12	7	6	6	5
-5°	71	50	40	31	24	18	12	7	6	5	5
-6.25°	67	48	39	30	24	17	11	7	6	5	5
-7.5°	63	47	37	29	23	16	10	7	6	5	5
-8.75°	58	45	35	28	21	15	9	7	6	5	5
-10°	52	43	33	26	20	14	8	7	6	5	4
-11.25°	49	40	31	25	19	13	7	6	6	5	4
-12.5°	46	37	29	23	17	11	7	6	6	5	4
-13.75°	43	34	27	21	15	10	7	6	5	5	4
-15°	40	31	25	19	14	8	7	6	5	5	4
-16.25°	36	29	23	17	12	7	6	6	5	4	4
-17.5°	32	26	21	15	10	7	6	5	5	4	4
-18.75°	29	24	18	13	8	7	6	5	5	4	4
-20°	27	21	16	10	7	6	6	5	4	4	4
-21.25°	23	18	13	8	7	6	5	5	4	4	4



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	20	15	10	7	6	6	5	4	4	4	4
-23.75°	17	12	7	7	6	5	5	4	4	4	4
-25°	14	9	7	6	6	5	4	4	4	4	4
-26.25°	11	7	6	6	5	5	4	4	4	4	4
-27.5°	7	7	6	5	5	4	4	4	4	4	4
-28.75°	7	6	6	5	5	4	4	4	4	4	3
-30°	6	6	5	5	4	4	4	4	4	4	3
-31.25°	6	5	5	4	4	4	4	4	4	3	3
-32.5°	5	5	4	4	4	4	4	4	4	3	3
-33.75°	5	4	4	4	4	4	4	4	3	3	3
-35°	4	4	4	4	4	4	4	3	3	3	3
-36.25°	4	4	4	4	4	4	3	3	3	3	3
-37.5°	4	4	4	4	4	3	3	3	3	3	3
-38.75°	4	4	4	4	3	3	3	3	3	3	3
-40°	4	4	4	3	3	3	3	3	3	3	3
-41.25°	4	4	3	3	3	3	3	3	3	3	2
-42.5°	4	3	3	3	3	3	3	3	3	2	2
-43.75°	3	3	3	3	3	3	3	3	3	2	2
-45°	3	3	3	3	3	3	3	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	2	2	2	2	2	2	2	2	2
-51.25°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	1
-57.5°	2	2	2	2	2	2	2	2	1	1	1
-58.75°	2	2	2	2	2	2	2	1	1	1	1
-60°	2	2	2	2	2	1	1	1	1	1	1
-61.25°	2	2	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	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	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	1	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	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°	2	2	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	1	1	1	1	1	1	1	1
51.25°	2	2	2	2	1	1	1	1	1	1	1
50°	2	2	2	2	2	1	1	1	1	1	1
48.75°	2	2	2	2	2	2	1	1	1	1	1
47.5°	2	2	2	2	2	2	1	1	1	1	1
46.25°	2	2	2	2	2	2	2	1	1	1	1
45°	2	2	2	2	2	2	2	2	1	1	1
43.75°	2	2	2	2	2	2	2	2	1	1	1
42.5°	2	2	2	2	2	2	2	2	2	1	1
41.25°	2	2	2	2	2	2	2	2	2	2	1
40°	2	2	2	2	2	2	2	2	2	2	1
38.75°	3	2	2	2	2	2	2	2	2	2	2
37.5°	3	3	2	2	2	2	2	2	2	2	2
36.25°	3	3	2	2	2	2	2	2	2	2	2
35°	3	3	3	2	2	2	2	2	2	2	2



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	4	4	3	3	3	3	3	2	2	2	2
-23.75°	4	3	3	3	3	3	3	2	2	2	2
-25°	4	3	3	3	3	3	2	2	2	2	2
-26.25°	3	3	3	3	3	3	2	2	2	2	2
-27.5°	3	3	3	3	3	3	2	2	2	2	2
-28.75°	3	3	3	3	3	2	2	2	2	2	2
-30°	3	3	3	3	3	2	2	2	2	2	2
-31.25°	3	3	3	3	2	2	2	2	2	2	2
-32.5°	3	3	3	3	2	2	2	2	2	2	2
-33.75°	3	3	3	2	2	2	2	2	2	2	2
-35°	3	3	3	2	2	2	2	2	2	2	2
-36.25°	3	3	2	2	2	2	2	2	2	2	2
-37.5°	3	3	2	2	2	2	2	2	2	2	2
-38.75°	3	2	2	2	2	2	2	2	2	2	2
-40°	2	2	2	2	2	2	2	2	2	2	1
-41.25°	2	2	2	2	2	2	2	2	2	2	1
-42.5°	2	2	2	2	2	2	2	2	2	1	1
-43.75°	2	2	2	2	2	2	2	2	1	1	1
-45°	2	2	2	2	2	2	2	2	1	1	1
-46.25°	2	2	2	2	2	2	2	1	1	1	1
-47.5°	2	2	2	2	2	2	1	1	1	1	1
-48.75°	2	2	2	2	2	2	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-51.25°	2	2	2	2	1	1	1	1	1	1	1
-52.5°	2	2	2	1	1	1	1	1	1	1	1
-53.75°	2	2	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	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	1	1	1	1	1	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	1	1	0	0	0	0	0	0	0	0	0
73.75°	1	1	1	1	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	0	0
68.75°	1	1	1	1	1	1	1	1	0	0	0
67.5°	1	1	1	1	1	1	1	1	1	0	0
66.25°	1	1	1	1	1	1	1	1	1	1	0
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	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	1
43.75°	1	1	1	1	1	1	1	1	1	1	1
42.5°	1	1	1	1	1	1	1	1	1	1	1
41.25°	1	1	1	1	1	1	1	1	1	1	1
40°	1	1	1	1	1	1	1	1	1	1	1
38.75°	1	1	1	1	1	1	1	1	1	1	1
37.5°	1	1	1	1	1	1	1	1	1	1	1
36.25°	1	1	1	1	1	1	1	1	1	1	1
35°	2	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	2	2	2	2	1	1	1	1	1	1	1
-23.75°	2	2	2	1	1	1	1	1	1	1	1
-25°	2	2	2	1	1	1	1	1	1	1	1
-26.25°	2	2	2	1	1	1	1	1	1	1	1
-27.5°	2	2	2	1	1	1	1	1	1	1	1
-28.75°	2	2	1	1	1	1	1	1	1	1	1
-30°	2	2	1	1	1	1	1	1	1	1	1
-31.25°	2	2	1	1	1	1	1	1	1	1	1
-32.5°	2	2	1	1	1	1	1	1	1	1	1
-33.75°	2	1	1	1	1	1	1	1	1	1	1
-35°	2	1	1	1	1	1	1	1	1	1	1
-36.25°	1	1	1	1	1	1	1	1	1	1	1
-37.5°	1	1	1	1	1	1	1	1	1	1	1
-38.75°	1	1	1	1	1	1	1	1	1	1	1
-40°	1	1	1	1	1	1	1	1	1	1	1
-41.25°	1	1	1	1	1	1	1	1	1	1	1
-42.5°	1	1	1	1	1	1	1	1	1	1	1
-43.75°	1	1	1	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	1
-46.25°	1	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-48.75°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	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	0
-67.5°	1	1	1	1	1	1	1	1	1	0	0
-68.75°	1	1	1	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	1	0	0	0	0
-71.25°	1	1	1	1	1	1	0	0	0	0	0
-72.5°	1	1	1	1	1	0	0	0	0	0	0
-73.75°	1	1	1	1	0	0	0	0	0	0	0
-75°	1	1	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0	0	0	0	0
61.25°	1	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	0	0	0	0	0	0	0	0	0
57.5°	1	1	0	0	0	0	0	0	0	0	0
56.25°	1	1	1	0	0	0	0	0	0	0	0
55°	1	1	1	0	0	0	0	0	0	0	0
53.75°	1	1	1	0	0	0	0	0	0	0	0
52.5°	1	1	1	1	0	0	0	0	0	0	0
51.25°	1	1	1	1	0	0	0	0	0	0	0
50°	1	1	1	1	0	0	0	0	0	0	0
48.75°	1	1	1	1	0	0	0	0	0	0	0
47.5°	1	1	1	1	0	0	0	0	0	0	0
46.25°	1	1	1	1	1	0	0	0	0	0	0
45°	1	1	1	1	1	0	0	0	0	0	0
43.75°	1	1	1	1	1	0	0	0	0	0	0
42.5°	1	1	1	1	1	0	0	0	0	0	0
41.25°	1	1	1	1	1	0	0	0	0	0	0
40°	1	1	1	1	1	0	0	0	0	0	0
38.75°	1	1	1	1	1	1	0	0	0	0	0
37.5°	1	1	1	1	1	1	0	0	0	0	0
36.25°	1	1	1	1	1	1	0	0	0	0	0
35°	1	1	1	1	1	1	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	1	1	1	1	1	1	1	0	0	0	0
-23.75°	1	1	1	1	1	1	1	0	0	0	0
-25°	1	1	1	1	1	1	1	0	0	0	0
-26.25°	1	1	1	1	1	1	0	0	0	0	0
-27.5°	1	1	1	1	1	1	0	0	0	0	0
-28.75°	1	1	1	1	1	1	0	0	0	0	0
-30°	1	1	1	1	1	1	0	0	0	0	0
-31.25°	1	1	1	1	1	1	0	0	0	0	0
-32.5°	1	1	1	1	1	1	0	0	0	0	0
-33.75°	1	1	1	1	1	1	0	0	0	0	0
-35°	1	1	1	1	1	1	0	0	0	0	0
-36.25°	1	1	1	1	1	1	0	0	0	0	0
-37.5°	1	1	1	1	1	1	0	0	0	0	0
-38.75°	1	1	1	1	1	1	0	0	0	0	0
-40°	1	1	1	1	1	0	0	0	0	0	0
-41.25°	1	1	1	1	1	0	0	0	0	0	0
-42.5°	1	1	1	1	1	0	0	0	0	0	0
-43.75°	1	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	1	1	0	0	0	0	0	0
-46.25°	1	1	1	1	1	0	0	0	0	0	0
-47.5°	1	1	1	1	0	0	0	0	0	0	0
-48.75°	1	1	1	1	0	0	0	0	0	0	0
-50°	1	1	1	1	0	0	0	0	0	0	0
-51.25°	1	1	1	1	0	0	0	0	0	0	0
-52.5°	1	1	1	1	0	0	0	0	0	0	0
-53.75°	1	1	1	0	0	0	0	0	0	0	0
-55°	1	1	1	0	0	0	0	0	0	0	0
-56.25°	1	1	1	0	0	0	0	0	0	0	0
-57.5°	1	1	0	0	0	0	0	0	0	0	0
-58.75°	1	1	0	0	0	0	0	0	0	0	0
-60°	1	1	0	0	0	0	0	0	0	0	0
-61.25°	1	0	0	0	0	0	0	0	0	0	0
-62.5°	1	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: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220689 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)