

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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29422)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

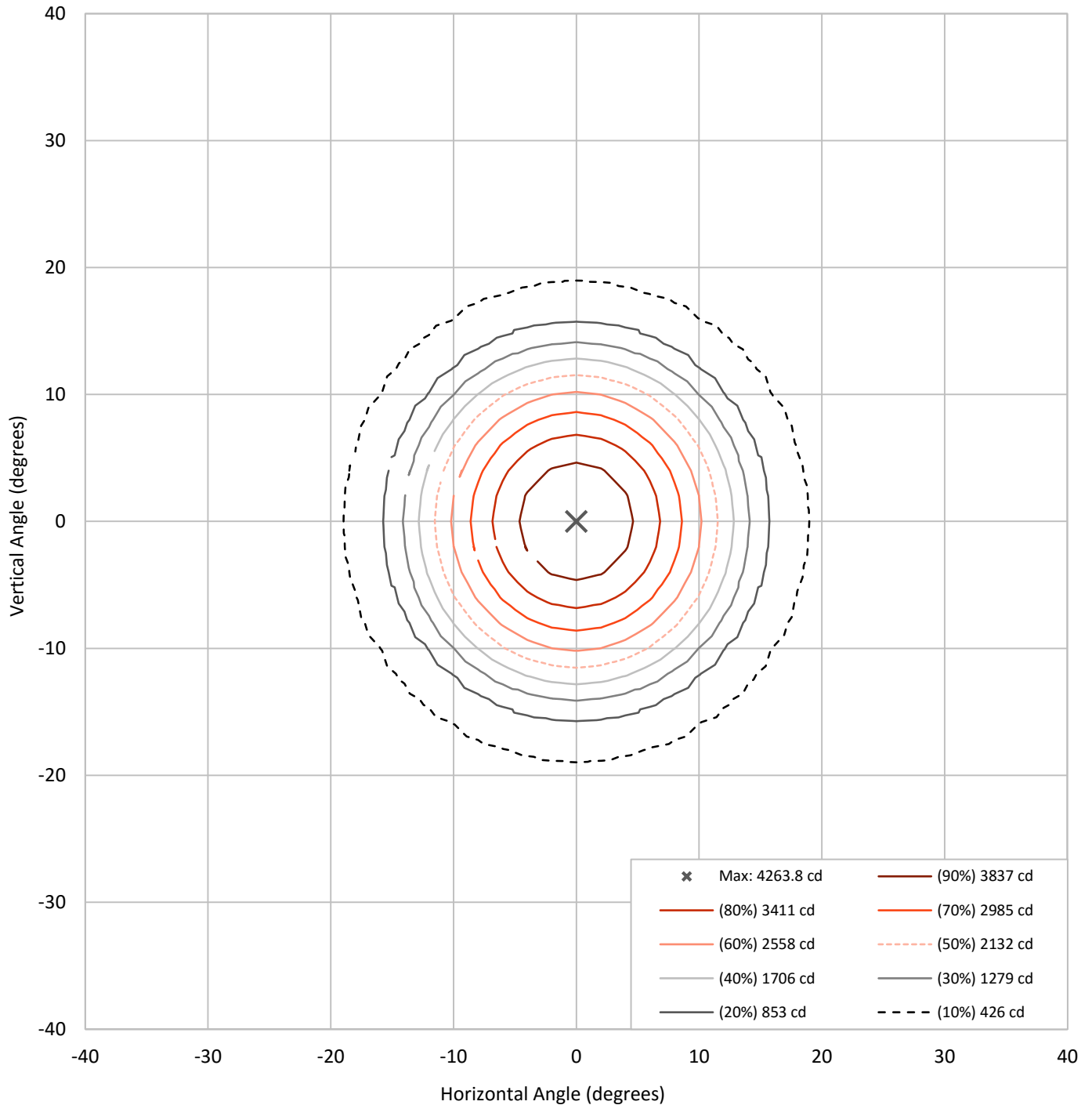
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	760 lumens	Max Intensity:	4263.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	76.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	37.5°H x 37.5°V
Beam Lumens:	397.2 lumens	Field Lumens:	609.9 lumens
Beam Efficiency:	52.3%	Field Efficiency:	80.2%
Input Watts (W):	10		
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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

Iso-Candela Plot





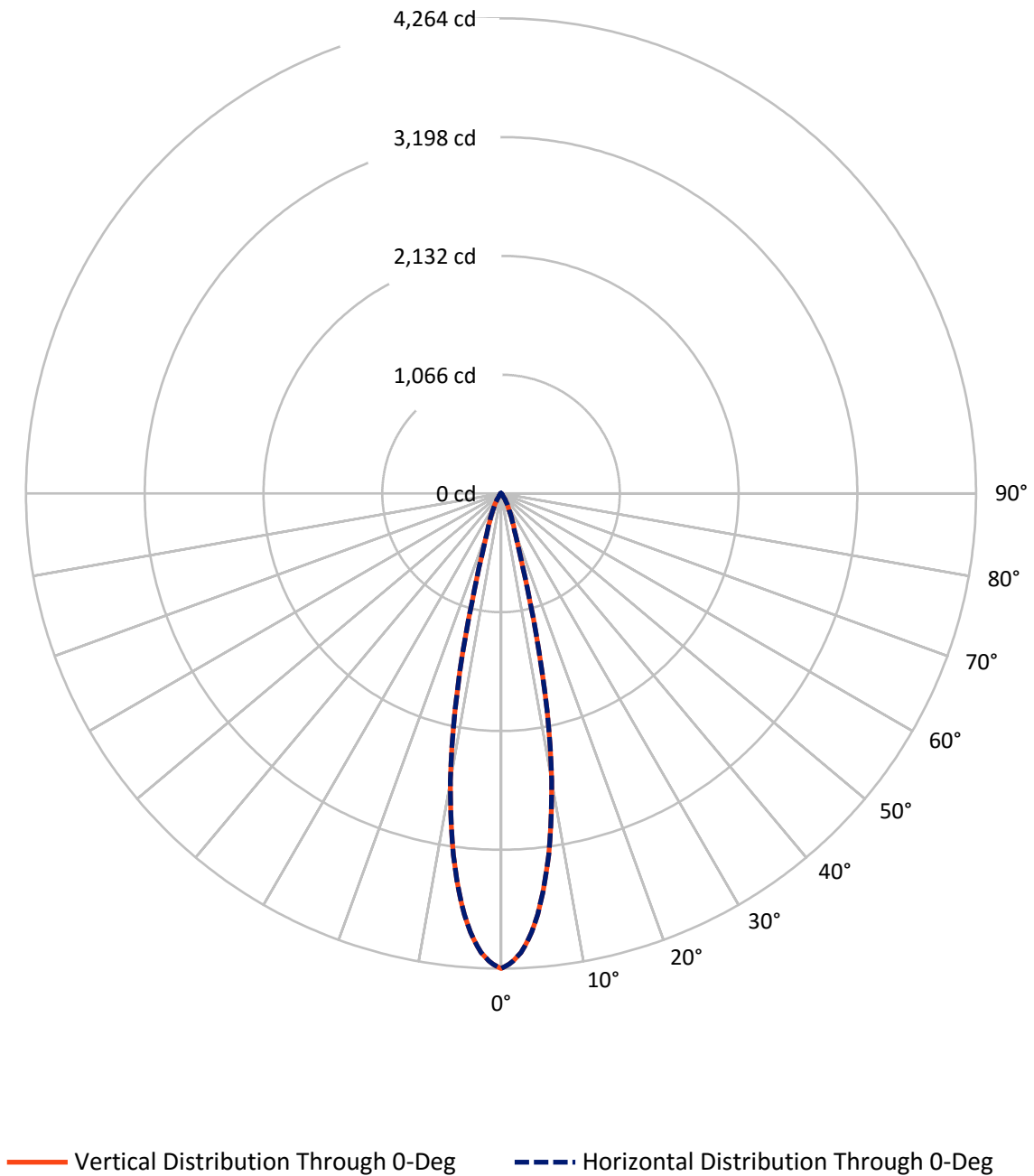
REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		
50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
40		0.0	0.0	0.1	0.2	0.4	0.9	1.5	1.5	0.9	0.4	0.2	0.1	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.4	1.5	3.6	5.7	5.7	3.6	1.5	0.4	0.1	0.0	0.0	0.0	0.0
20		0.0	0.0	0.2	0.8	3.4	10.2	29.4	29.4	10.2	3.4	0.8	0.2	0.0	0.0		
10	0.0	0.0	0.0	0.2	1.3	5.3	28.7	95.1	95.1	28.7	5.3	1.3	0.2	0.0	0.0	0.0	0.0
0		0.0	0.0	0.2	1.3	5.3	28.7	95.1	95.1	28.7	5.3	1.3	0.2	0.0	0.0		
-10	0.0	0.0	0.0	0.2	1.3	5.3	28.7	95.1	95.1	28.7	5.3	1.3	0.2	0.0	0.0	0.0	0.0
-20		0.0	0.0	0.2	0.8	3.4	10.2	29.4	29.4	10.2	3.4	0.8	0.2	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.4	1.5	3.6	5.7	5.7	3.6	1.5	0.4	0.1	0.0	0.0	0.0	0.0
-40		0.0	0.0	0.1	0.2	0.4	0.9	1.5	1.5	0.9	0.4	0.2	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

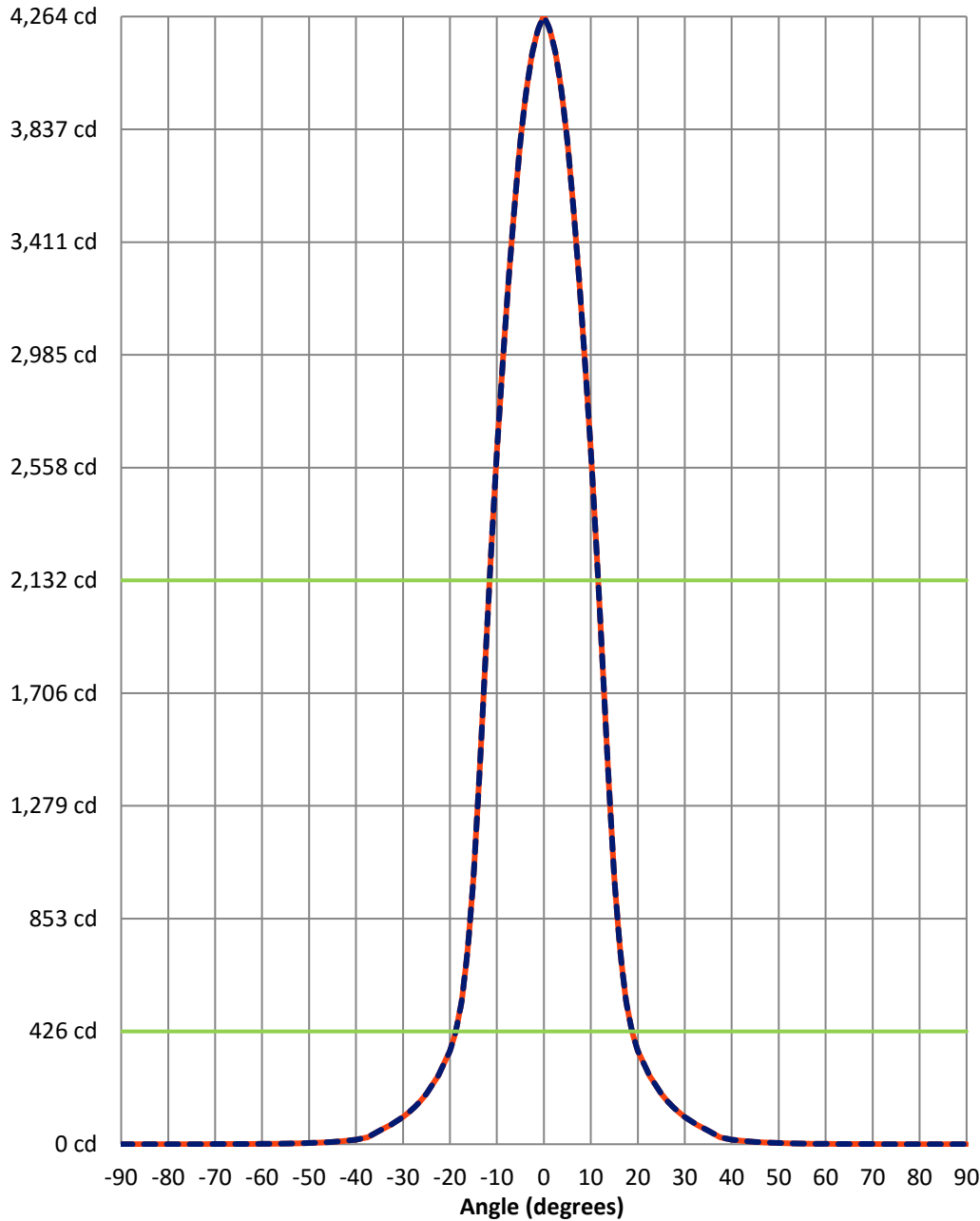
REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

Luminous Intensity Polar Plot



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 23.1°
 V Angle: 23.1°
 Lumens: 397.2
 Efficiency: 52.3%

Field:
 H Angle: 37.5°
 V Angle: 37.5°
 Lumens: 609.9
 Efficiency: 80.2%

Spill:
 Lumens: 150.1
 Efficiency: 19.8%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-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	0
55°	0	0	0	0	0	0	0	0	0	0	0
53.75°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
51.25°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
48.75°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
46.25°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
43.75°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
41.25°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
38.75°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	0
36.25°	0	0	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	0	0	0	0	0	0	0
-23.75°	0	0	0	0	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-26.25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-28.75°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-31.25°	0	0	0	0	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-33.75°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-36.25°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-38.75°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-41.25°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-43.75°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-46.25°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-48.75°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	0	0	0	0	0	0	0	0	1	1	1
32.5°	0	0	0	0	0	0	0	0	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	1	1	1	1	1	1
15°	0	0	0	0	0	1	1	1	1	1	1
13.75°	0	0	0	0	0	1	1	1	1	1	1
12.5°	0	0	0	0	0	1	1	1	1	1	1
11.25°	0	0	0	0	0	1	1	1	1	1	1
10°	0	0	0	0	0	1	1	1	1	1	1
8.75°	0	0	0	0	0	1	1	1	1	1	1
7.5°	0	0	0	0	0	1	1	1	1	1	1
6.25°	0	0	0	0	0	1	1	1	1	1	1
5°	0	0	0	0	0	1	1	1	1	1	1
3.75°	0	0	0	0	0	1	1	1	1	1	1
2.5°	0	0	0	0	0	1	1	1	1	1	1
1.25°	0	0	0	0	0	1	1	1	1	1	1
0°	0	0	0	0	0	1	1	1	1	1	1
-1.25°	0	0	0	0	0	1	1	1	1	1	1
-2.5°	0	0	0	0	0	1	1	1	1	1	1
-3.75°	0	0	0	0	0	1	1	1	1	1	1
-5°	0	0	0	0	0	1	1	1	1	1	1
-6.25°	0	0	0	0	0	1	1	1	1	1	1
-7.5°	0	0	0	0	0	1	1	1	1	1	1
-8.75°	0	0	0	0	0	1	1	1	1	1	1
-10°	0	0	0	0	0	1	1	1	1	1	1
-11.25°	0	0	0	0	0	1	1	1	1	1	1
-12.5°	0	0	0	0	0	1	1	1	1	1	1
-13.75°	0	0	0	0	0	1	1	1	1	1	1
-15°	0	0	0	0	0	1	1	1	1	1	1
-16.25°	0	0	0	0	0	1	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	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	0	1	1	1
-33.75°	0	0	0	0	0	0	0	0	1	1	1
-35°	0	0	0	0	0	0	0	0	1	1	1
-36.25°	0	0	0	0	0	0	0	0	0	1	1
-37.5°	0	0	0	0	0	0	0	0	0	1	1
-38.75°	0	0	0	0	0	0	0	0	0	1	1
-40°	0	0	0	0	0	0	0	0	0	0	1
-41.25°	0	0	0	0	0	0	0	0	0	0	1
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-43.75°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-46.25°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-48.75°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	1
57.5°	0	0	0	0	0	0	0	0	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	1	1	1	1	1	1
52.5°	0	0	0	0	1	1	1	1	1	1	1
51.25°	0	0	0	0	1	1	1	1	1	1	1
50°	0	0	0	1	1	1	1	1	1	1	1
48.75°	0	0	1	1	1	1	1	1	1	1	1
47.5°	0	0	1	1	1	1	1	1	1	1	1
46.25°	0	1	1	1	1	1	1	1	1	1	1
45°	0	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	2
37.5°	1	1	1	1	1	1	1	1	1	1	2
36.25°	1	1	1	1	1	1	1	1	1	2	2
35°	1	1	1	1	1	1	1	1	1	2	2



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	1	1	1	1	1	2	2	2	2	2	3
-23.75°	1	1	1	1	1	2	2	2	2	2	3
-25°	1	1	1	1	1	2	2	2	2	2	3
-26.25°	1	1	1	1	1	1	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	1	2	2	2	2
-31.25°	1	1	1	1	1	1	1	2	2	2	2
-32.5°	1	1	1	1	1	1	1	1	2	2	2
-33.75°	1	1	1	1	1	1	1	1	2	2	2
-35°	1	1	1	1	1	1	1	1	1	2	2
-36.25°	1	1	1	1	1	1	1	1	1	2	2
-37.5°	1	1	1	1	1	1	1	1	1	1	2
-38.75°	1	1	1	1	1	1	1	1	1	1	2
-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°	0	1	1	1	1	1	1	1	1	1	1
-46.25°	0	1	1	1	1	1	1	1	1	1	1
-47.5°	0	0	1	1	1	1	1	1	1	1	1
-48.75°	0	0	1	1	1	1	1	1	1	1	1
-50°	0	0	0	1	1	1	1	1	1	1	1
-51.25°	0	0	0	0	1	1	1	1	1	1	1
-52.5°	0	0	0	0	1	1	1	1	1	1	1
-53.75°	0	0	0	0	0	1	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	0	1	1	1
-58.75°	0	0	0	0	0	0	0	0	0	0	1
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	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	1	1	1
63.75°	0	0	0	0	0	0	1	1	1	1	1
62.5°	0	0	0	0	1	1	1	1	1	1	1
61.25°	0	0	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	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	2	2	2	2	2
46.25°	1	1	1	1	1	2	2	2	2	2	2
45°	1	1	1	2	2	2	2	2	2	2	2
43.75°	1	1	1	2	2	2	2	2	2	2	3
42.5°	1	1	2	2	2	2	2	2	2	3	3
41.25°	1	2	2	2	2	2	2	2	3	3	3
40°	2	2	2	2	2	2	2	3	3	3	3
38.75°	2	2	2	2	2	2	3	3	3	4	4
37.5°	2	2	2	2	2	3	3	3	4	4	4
36.25°	2	2	2	2	3	3	3	3	4	4	5
35°	2	2	2	2	3	3	3	4	4	5	5



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	2	2	2	3	3	3	4	4	5	5	6
32.5°	2	2	3	3	3	4	4	5	5	6	7
31.25°	2	2	3	3	3	4	5	5	6	6	7
30°	2	3	3	3	4	4	5	6	6	7	8
28.75°	2	3	3	4	4	5	5	6	7	8	8
27.5°	3	3	3	4	5	5	6	6	7	8	10
26.25°	3	3	4	4	5	5	6	7	8	9	11
25°	3	3	4	5	5	6	7	8	8	10	12
23.75°	3	4	4	5	5	6	7	8	9	11	13
22.5°	3	4	4	5	6	7	8	9	10	12	14
21.25°	3	4	5	5	6	7	8	9	11	13	15
20°	4	4	5	6	6	7	8	10	12	14	16
18.75°	4	4	5	6	7	8	9	11	13	15	17
17.5°	4	5	5	6	7	8	10	12	13	15	18
16.25°	4	5	6	6	7	9	10	12	14	16	20
15°	4	5	6	7	8	9	11	13	15	17	21
13.75°	4	5	6	7	8	10	11	13	16	19	23
12.5°	5	5	6	7	8	10	12	14	16	20	24
11.25°	5	6	6	7	9	11	12	15	17	21	25
10°	5	6	7	8	9	11	13	15	18	22	27
8.75°	5	6	7	8	9	11	13	16	19	23	30
7.5°	5	6	7	8	10	12	14	16	19	24	32
6.25°	5	6	7	8	10	12	14	16	20	25	34
5°	5	6	7	8	10	12	14	17	21	25	36
3.75°	5	6	7	8	10	12	14	17	21	26	37
2.5°	5	6	7	8	10	12	15	17	21	26	38
1.25°	5	6	7	8	10	12	15	17	22	26	38
0°	5	6	7	9	10	12	15	17	22	26	39
-1.25°	5	6	7	8	10	12	15	17	22	26	38
-2.5°	5	6	7	8	10	12	15	17	21	26	38
-3.75°	5	6	7	8	10	12	14	17	21	26	37
-5°	5	6	7	8	10	12	14	17	21	25	36
-6.25°	5	6	7	8	10	12	14	16	20	25	34
-7.5°	5	6	7	8	10	12	14	16	19	24	32
-8.75°	5	6	7	8	9	11	13	16	19	23	30
-10°	5	6	7	8	9	11	13	15	18	22	27
-11.25°	5	6	6	7	9	11	12	15	17	21	25
-12.5°	5	5	6	7	8	10	12	14	16	20	24
-13.75°	4	5	6	7	8	10	11	13	16	19	23
-15°	4	5	6	7	8	9	11	13	15	17	21
-16.25°	4	5	6	6	7	9	10	12	14	16	20
-17.5°	4	5	5	6	7	8	10	12	13	15	18
-18.75°	4	4	5	6	7	8	9	11	13	15	17
-20°	4	4	5	6	6	7	8	10	12	14	16
-21.25°	3	4	5	5	6	7	8	9	11	13	15



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	3	4	4	5	6	7	8	9	10	12	14
-23.75°	3	4	4	5	5	6	7	8	9	11	13
-25°	3	3	4	5	5	6	7	8	8	10	12
-26.25°	3	3	4	4	5	5	6	7	8	9	11
-27.5°	3	3	3	4	5	5	6	6	7	8	10
-28.75°	2	3	3	4	4	5	5	6	7	8	8
-30°	2	3	3	3	4	4	5	6	6	7	8
-31.25°	2	2	3	3	3	4	5	5	6	6	7
-32.5°	2	2	3	3	3	4	4	5	5	6	7
-33.75°	2	2	2	3	3	3	4	4	5	5	6
-35°	2	2	2	2	3	3	3	4	4	5	5
-36.25°	2	2	2	2	3	3	3	3	4	4	5
-37.5°	2	2	2	2	2	3	3	3	4	4	4
-38.75°	2	2	2	2	2	2	3	3	3	4	4
-40°	2	2	2	2	2	2	2	3	3	3	3
-41.25°	1	2	2	2	2	2	2	2	3	3	3
-42.5°	1	1	2	2	2	2	2	2	2	3	3
-43.75°	1	1	1	2	2	2	2	2	2	2	3
-45°	1	1	1	2	2	2	2	2	2	2	2
-46.25°	1	1	1	1	1	2	2	2	2	2	2
-47.5°	1	1	1	1	1	1	2	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	1	2
-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	0	1	1	1	1	1	1	1	1	1
-62.5°	0	0	0	0	1	1	1	1	1	1	1
-63.75°	0	0	0	0	0	0	1	1	1	1	1
-65°	0	0	0	0	0	0	0	0	1	1	1
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	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	1	1	1
67.5°	0	0	0	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	2	2	2
55°	1	1	1	1	1	2	2	2	2	2	2
53.75°	1	1	1	2	2	2	2	2	2	2	2
52.5°	1	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	3	3	3
48.75°	2	2	2	2	2	2	3	3	3	3	3
47.5°	2	2	2	2	3	3	3	3	3	4	4
46.25°	2	2	3	3	3	3	3	4	4	4	4
45°	2	3	3	3	3	4	4	4	5	5	5
43.75°	3	3	3	3	4	4	5	5	5	5	6
42.5°	3	3	4	4	4	5	5	5	6	6	7
41.25°	3	4	4	5	5	5	6	6	7	7	8
40°	4	4	5	5	6	6	6	7	8	8	9
38.75°	4	5	5	6	6	7	7	8	8	9	10
37.5°	5	5	6	6	7	8	8	9	10	11	12
36.25°	5	6	7	7	8	8	10	11	12	13	14
35°	6	7	7	8	9	10	11	12	13	14	15



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	7	7	8	9	10	11	12	14	15	16	18
32.5°	7	8	9	10	11	13	14	15	17	19	21
31.25°	8	9	10	12	13	14	16	17	20	23	25
30°	9	10	11	13	14	16	18	21	23	26	33
28.75°	10	11	13	14	16	18	21	24	27	35	42
27.5°	11	12	14	16	18	21	24	28	36	44	51
26.25°	12	14	15	17	21	24	28	37	45	53	60
25°	13	15	17	20	23	27	36	45	53	61	68
23.75°	14	16	19	23	26	35	44	53	61	69	77
22.5°	15	18	21	25	33	42	51	60	68	77	87
21.25°	17	20	24	30	39	49	58	67	76	86	96
20°	18	22	26	36	46	55	65	74	84	95	106
18.75°	20	24	31	42	52	61	71	81	93	104	117
17.5°	22	26	37	47	57	67	77	89	101	114	129
16.25°	24	31	42	52	63	73	84	96	109	124	141
15°	26	35	47	57	67	78	91	103	118	135	153
13.75°	28	40	51	62	72	84	97	111	127	145	165
12.5°	32	44	55	66	77	90	103	119	136	155	178
11.25°	36	47	59	69	82	95	109	126	145	166	190
10°	39	51	62	73	86	99	115	133	153	176	204
8.75°	42	53	65	76	90	104	120	139	161	186	216
7.5°	44	56	67	79	93	108	126	145	168	195	227
6.25°	46	58	69	82	96	112	130	150	175	204	237
5°	48	60	71	84	99	115	134	155	180	211	245
3.75°	49	61	72	86	100	117	137	159	185	217	251
2.5°	50	62	73	87	102	119	139	161	188	221	255
1.25°	51	62	74	88	103	120	140	163	190	224	258
0°	51	63	74	89	103	121	141	164	191	225	259
-1.25°	51	62	74	88	103	120	140	163	190	224	258
-2.5°	50	62	73	87	102	119	139	161	188	221	255
-3.75°	49	61	72	86	100	117	137	159	185	217	251
-5°	48	60	71	84	99	115	134	155	180	211	245
-6.25°	46	58	69	82	96	112	130	150	175	204	237
-7.5°	44	56	67	79	93	108	126	145	168	195	227
-8.75°	42	53	65	76	90	104	120	139	161	186	216
-10°	39	51	62	73	86	99	115	133	153	176	204
-11.25°	36	47	59	69	82	95	109	126	145	166	190
-12.5°	32	44	55	66	77	90	103	119	136	155	178
-13.75°	28	40	51	62	72	84	97	111	127	145	165
-15°	26	35	47	57	67	78	91	103	118	135	153
-16.25°	24	31	42	52	63	73	84	96	109	124	141
-17.5°	22	26	37	47	57	67	77	89	101	114	129
-18.75°	20	24	31	42	52	61	71	81	93	104	117
-20°	18	22	26	36	46	55	65	74	84	95	106
-21.25°	17	20	24	30	39	49	58	67	76	86	96



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	15	18	21	25	33	42	51	60	68	77	87
-23.75°	14	16	19	23	26	35	44	53	61	69	77
-25°	13	15	17	20	23	27	36	45	53	61	68
-26.25°	12	14	15	17	21	24	28	37	45	53	60
-27.5°	11	12	14	16	18	21	24	28	36	44	51
-28.75°	10	11	13	14	16	18	21	24	27	35	42
-30°	9	10	11	13	14	16	18	21	23	26	33
-31.25°	8	9	10	12	13	14	16	17	20	23	25
-32.5°	7	8	9	10	11	13	14	15	17	19	21
-33.75°	7	7	8	9	10	11	12	14	15	16	18
-35°	6	7	7	8	9	10	11	12	13	14	15
-36.25°	5	6	7	7	8	8	10	11	12	13	14
-37.5°	5	5	6	6	7	8	8	9	10	11	12
-38.75°	4	5	5	6	6	7	7	8	8	9	10
-40°	4	4	5	5	6	6	6	7	8	8	9
-41.25°	3	4	4	5	5	5	6	6	7	7	8
-42.5°	3	3	4	4	4	5	5	5	6	6	7
-43.75°	3	3	3	3	4	4	5	5	5	5	6
-45°	2	3	3	3	3	4	4	4	5	5	5
-46.25°	2	2	3	3	3	3	3	4	4	4	4
-47.5°	2	2	2	2	3	3	3	3	3	4	4
-48.75°	2	2	2	2	2	2	3	3	3	3	3
-50°	2	2	2	2	2	2	2	2	3	3	3
-51.25°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	1	2	2	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	1	2	2	2	2	2	2
-56.25°	1	1	1	1	1	1	1	1	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	0	0	0	1	1	1	1	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	1	1	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	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	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	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	3
52.5°	2	2	2	2	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	4	4	4	4	4	4
48.75°	3	4	4	4	4	4	4	5	5	5	5
47.5°	4	4	4	5	5	5	5	5	6	6	6
46.25°	5	5	5	5	6	6	6	6	6	7	7
45°	5	6	6	6	6	7	7	7	7	8	8
43.75°	6	6	7	7	7	8	8	8	9	9	9
42.5°	7	7	8	8	9	9	10	10	11	11	11
41.25°	8	8	9	10	10	11	11	12	12	13	13
40°	9	10	11	12	12	13	13	14	15	15	16
38.75°	11	12	13	13	14	15	16	16	17	18	19
37.5°	13	14	15	15	16	17	19	20	21	22	23
36.25°	15	16	17	18	20	21	23	24	25	27	30
35°	17	18	20	22	24	26	28	32	36	39	42



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	20	22	24	26	31	35	40	44	47	51	53
32.5°	24	26	31	37	42	47	51	55	59	62	65
31.25°	30	36	42	47	52	57	62	66	69	73	76
30°	39	46	52	57	63	67	72	77	82	86	90
28.75°	49	55	61	67	73	78	84	90	95	99	104
27.5°	58	65	71	77	84	91	97	103	109	115	120
26.25°	67	74	81	89	96	103	111	119	126	133	139
25°	76	84	93	101	109	118	127	136	145	153	161
23.75°	86	95	104	114	124	135	145	155	166	176	186
22.5°	96	106	117	129	141	153	165	178	190	204	216
21.25°	107	119	131	145	158	173	188	204	220	235	248
20°	119	132	147	162	178	196	215	233	250	268	287
18.75°	131	147	163	181	201	222	242	262	287	309	330
17.5°	145	162	181	203	226	248	273	301	326	350	380
16.25°	158	178	201	226	250	279	309	338	371	407	453
15°	173	196	222	248	279	312	344	384	432	489	563
13.75°	188	215	242	273	309	344	388	446	519	608	726
12.5°	204	233	262	301	338	384	446	529	640	779	954
11.25°	220	250	287	326	371	432	519	640	803	1004	1237
10°	235	268	309	350	407	489	608	779	1004	1270	1553
8.75°	248	287	330	380	453	563	726	954	1237	1553	1867
7.5°	260	304	348	408	501	644	857	1140	1473	1823	2152
6.25°	274	319	368	442	555	732	987	1317	1693	2063	2398
5°	285	331	386	471	602	818	1120	1489	1885	2263	2599
3.75°	294	340	401	498	656	899	1229	1627	2038	2417	2753
2.5°	301	347	414	522	695	958	1311	1730	2147	2528	2867
1.25°	305	352	423	537	719	994	1367	1793	2214	2597	2936
0°	306	353	426	542	727	1006	1386	1815	2237	2620	2959
-1.25°	305	352	423	537	719	994	1367	1793	2214	2597	2936
-2.5°	301	347	414	522	695	958	1311	1730	2147	2528	2867
-3.75°	294	340	401	498	656	899	1229	1627	2038	2417	2753
-5°	285	331	386	471	602	818	1120	1489	1885	2263	2599
-6.25°	274	319	368	442	555	732	987	1317	1693	2063	2398
-7.5°	260	304	348	408	501	644	857	1140	1473	1823	2152
-8.75°	248	287	330	380	453	563	726	954	1237	1553	1867
-10°	235	268	309	350	407	489	608	779	1004	1270	1553
-11.25°	220	250	287	326	371	432	519	640	803	1004	1237
-12.5°	204	233	262	301	338	384	446	529	640	779	954
-13.75°	188	215	242	273	309	344	388	446	519	608	726
-15°	173	196	222	248	279	312	344	384	432	489	563
-16.25°	158	178	201	226	250	279	309	338	371	407	453
-17.5°	145	162	181	203	226	248	273	301	326	350	380
-18.75°	131	147	163	181	201	222	242	262	287	309	330
-20°	119	132	147	162	178	196	215	233	250	268	287
-21.25°	107	119	131	145	158	173	188	204	220	235	248



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	96	106	117	129	141	153	165	178	190	204	216
-23.75°	86	95	104	114	124	135	145	155	166	176	186
-25°	76	84	93	101	109	118	127	136	145	153	161
-26.25°	67	74	81	89	96	103	111	119	126	133	139
-27.5°	58	65	71	77	84	91	97	103	109	115	120
-28.75°	49	55	61	67	73	78	84	90	95	99	104
-30°	39	46	52	57	63	67	72	77	82	86	90
-31.25°	30	36	42	47	52	57	62	66	69	73	76
-32.5°	24	26	31	37	42	47	51	55	59	62	65
-33.75°	20	22	24	26	31	35	40	44	47	51	53
-35°	17	18	20	22	24	26	28	32	36	39	42
-36.25°	15	16	17	18	20	21	23	24	25	27	30
-37.5°	13	14	15	15	16	17	19	20	21	22	23
-38.75°	11	12	13	13	14	15	16	16	17	18	19
-40°	9	10	11	12	12	13	13	14	15	15	16
-41.25°	8	8	9	10	10	11	11	12	12	13	13
-42.5°	7	7	8	8	9	9	10	10	11	11	11
-43.75°	6	6	7	7	7	8	8	8	9	9	9
-45°	5	6	6	6	6	7	7	7	7	8	8
-46.25°	5	5	5	5	6	6	6	6	6	7	7
-47.5°	4	4	4	5	5	5	5	5	6	6	6
-48.75°	3	4	4	4	4	4	4	5	5	5	5
-50°	3	3	3	3	3	4	4	4	4	4	4
-51.25°	3	3	3	3	3	3	3	3	3	3	4
-52.5°	2	2	2	2	3	3	3	3	3	3	3
-53.75°	2	2	2	2	2	2	2	2	2	2	3
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	1	1	1	1	1	2	2	2	2	2	2
-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°	0	0	0	0	1	1	1	1	1	1	1
-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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	0	0	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	1	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	2	1	1	1	1
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	3	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	4	4	4	4	4
50°	4	4	4	5	5	5	5	5	5	5	4
48.75°	5	5	5	5	5	5	5	5	5	5	5
47.5°	6	6	6	6	6	6	6	6	6	6	6
46.25°	7	7	7	7	7	7	7	7	7	7	7
45°	8	8	8	8	8	8	9	8	8	8	8
43.75°	10	10	10	10	10	10	10	10	10	10	10
42.5°	12	12	12	12	12	12	12	12	12	12	12
41.25°	14	14	14	14	15	15	15	15	15	14	14
40°	16	16	17	17	17	17	17	17	17	17	17
38.75°	19	20	21	21	21	22	22	22	21	21	21
37.5°	24	25	25	26	26	26	26	26	26	26	25
36.25°	32	34	36	37	38	38	39	38	38	37	36
35°	44	46	48	49	50	51	51	51	50	49	48



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	56	58	60	61	62	62	63	62	62	61	60
32.5°	67	69	71	72	73	74	74	74	73	72	71
31.25°	79	82	84	86	87	88	89	88	87	86	84
30°	93	96	99	100	102	103	103	103	102	100	99
28.75°	108	112	115	117	119	120	121	120	119	117	115
27.5°	126	130	134	137	139	140	141	140	139	137	134
26.25°	145	150	155	159	161	163	164	163	161	159	155
25°	168	175	180	185	188	190	191	190	188	185	180
23.75°	195	204	211	217	221	224	225	224	221	217	211
22.5°	227	237	245	251	255	258	259	258	255	251	245
21.25°	260	274	285	294	301	305	306	305	301	294	285
20°	304	319	331	340	347	352	353	352	347	340	331
18.75°	348	368	386	401	414	423	426	423	414	401	386
17.5°	408	442	471	498	522	537	542	537	522	498	471
16.25°	501	555	602	656	695	719	727	719	695	656	602
15°	644	732	818	899	958	994	1006	994	958	899	818
13.75°	857	987	1120	1229	1311	1367	1386	1367	1311	1229	1120
12.5°	1140	1317	1489	1627	1730	1793	1815	1793	1730	1627	1489
11.25°	1473	1693	1885	2038	2147	2214	2237	2214	2147	2038	1885
10°	1823	2063	2263	2417	2528	2597	2620	2597	2528	2417	2263
8.75°	2152	2398	2599	2753	2867	2936	2959	2936	2867	2753	2599
7.5°	2442	2688	2892	3054	3175	3246	3271	3246	3175	3054	2892
6.25°	2688	2938	3153	3322	3447	3522	3549	3522	3447	3322	3153
5°	2892	3153	3374	3549	3680	3763	3793	3763	3680	3549	3374
3.75°	3054	3322	3549	3735	3872	3959	3984	3959	3872	3735	3549
2.5°	3175	3447	3680	3872	4011	4097	4124	4097	4011	3872	3680
1.25°	3246	3522	3763	3959	4097	4184	4217	4184	4097	3959	3763
0°	3271	3549	3793	3984	4124	4217	4264	4217	4124	3984	3793
-1.25°	3246	3522	3763	3959	4097	4184	4217	4184	4097	3959	3763
-2.5°	3175	3447	3680	3872	4011	4097	4124	4097	4011	3872	3680
-3.75°	3054	3322	3549	3735	3872	3959	3984	3959	3872	3735	3549
-5°	2892	3153	3374	3549	3680	3763	3793	3763	3680	3549	3374
-6.25°	2688	2938	3153	3322	3447	3522	3549	3522	3447	3322	3153
-7.5°	2442	2688	2892	3054	3175	3246	3271	3246	3175	3054	2892
-8.75°	2152	2398	2599	2753	2867	2936	2959	2936	2867	2753	2599
-10°	1823	2063	2263	2417	2528	2597	2620	2597	2528	2417	2263
-11.25°	1473	1693	1885	2038	2147	2214	2237	2214	2147	2038	1885
-12.5°	1140	1317	1489	1627	1730	1793	1815	1793	1730	1627	1489
-13.75°	857	987	1120	1229	1311	1367	1386	1367	1311	1229	1120
-15°	644	732	818	899	958	994	1006	994	958	899	818
-16.25°	501	555	602	656	695	719	727	719	695	656	602
-17.5°	408	442	471	498	522	537	542	537	522	498	471
-18.75°	348	368	386	401	414	423	426	423	414	401	386
-20°	304	319	331	340	347	352	353	352	347	340	331
-21.25°	260	274	285	294	301	305	306	305	301	294	285



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	227	237	245	251	255	258	259	258	255	251	245
-23.75°	195	204	211	217	221	224	225	224	221	217	211
-25°	168	175	180	185	188	190	191	190	188	185	180
-26.25°	145	150	155	159	161	163	164	163	161	159	155
-27.5°	126	130	134	137	139	140	141	140	139	137	134
-28.75°	108	112	115	117	119	120	121	120	119	117	115
-30°	93	96	99	100	102	103	103	103	102	100	99
-31.25°	79	82	84	86	87	88	89	88	87	86	84
-32.5°	67	69	71	72	73	74	74	74	73	72	71
-33.75°	56	58	60	61	62	62	63	62	62	61	60
-35°	44	46	48	49	50	51	51	51	50	49	48
-36.25°	32	34	36	37	38	38	39	38	38	37	36
-37.5°	24	25	25	26	26	26	26	26	26	26	25
-38.75°	19	20	21	21	21	22	22	22	21	21	21
-40°	16	16	17	17	17	17	17	17	17	17	17
-41.25°	14	14	14	14	15	15	15	15	15	14	14
-42.5°	12	12	12	12	12	12	12	12	12	12	12
-43.75°	10	10	10	10	10	10	10	10	10	10	10
-45°	8	8	8	8	8	8	9	8	8	8	8
-46.25°	7	7	7	7	7	7	7	7	7	7	7
-47.5°	6	6	6	6	6	6	6	6	6	6	6
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	4	4	4	5	5	5	5	5	5	5	4
-51.25°	4	4	4	4	4	4	4	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°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	1	1	1	1	1	1	2	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°	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	0	0
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	2	2	2	2	2	2	2	2	1	1	1
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	3	3	3	2	2	2	2	2	2	2	2
52.5°	3	3	3	3	3	3	3	3	3	2	2
51.25°	4	4	4	3	3	3	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	3	3	3
48.75°	5	5	5	5	5	5	4	4	4	4	4
47.5°	6	6	6	6	6	5	5	5	5	5	4
46.25°	7	7	7	7	6	6	6	6	6	5	5
45°	8	8	8	8	7	7	7	7	6	6	6
43.75°	10	10	9	9	9	8	8	8	7	7	7
42.5°	12	12	11	11	11	10	10	9	9	8	8
41.25°	14	14	13	13	12	12	11	11	10	10	9
40°	16	16	16	15	15	14	13	13	12	12	11
38.75°	20	19	19	18	17	16	16	15	14	13	13
37.5°	25	24	23	22	21	20	19	17	16	15	15
36.25°	34	32	30	27	25	24	23	21	20	18	17
35°	46	44	42	39	36	32	28	26	24	22	20



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	58	56	53	51	47	44	40	35	31	26	24
32.5°	69	67	65	62	59	55	51	47	42	37	31
31.25°	82	79	76	73	69	66	62	57	52	47	42
30°	96	93	90	86	82	77	72	67	63	57	52
28.75°	112	108	104	99	95	90	84	78	73	67	61
27.5°	130	126	120	115	109	103	97	91	84	77	71
26.25°	150	145	139	133	126	119	111	103	96	89	81
25°	175	168	161	153	145	136	127	118	109	101	93
23.75°	204	195	186	176	166	155	145	135	124	114	104
22.5°	237	227	216	204	190	178	165	153	141	129	117
21.25°	274	260	248	235	220	204	188	173	158	145	131
20°	319	304	287	268	250	233	215	196	178	162	147
18.75°	368	348	330	309	287	262	242	222	201	181	163
17.5°	442	408	380	350	326	301	273	248	226	203	181
16.25°	555	501	453	407	371	338	309	279	250	226	201
15°	732	644	563	489	432	384	344	312	279	248	222
13.75°	987	857	726	608	519	446	388	344	309	273	242
12.5°	1317	1140	954	779	640	529	446	384	338	301	262
11.25°	1693	1473	1237	1004	803	640	519	432	371	326	287
10°	2063	1823	1553	1270	1004	779	608	489	407	350	309
8.75°	2398	2152	1867	1553	1237	954	726	563	453	380	330
7.5°	2688	2442	2152	1823	1473	1140	857	644	501	408	348
6.25°	2938	2688	2398	2063	1693	1317	987	732	555	442	368
5°	3153	2892	2599	2263	1885	1489	1120	818	602	471	386
3.75°	3322	3054	2753	2417	2038	1627	1229	899	656	498	401
2.5°	3447	3175	2867	2528	2147	1730	1311	958	695	522	414
1.25°	3522	3246	2936	2597	2214	1793	1367	994	719	537	423
0°	3549	3271	2959	2620	2237	1815	1386	1006	727	542	426
-1.25°	3522	3246	2936	2597	2214	1793	1367	994	719	537	423
-2.5°	3447	3175	2867	2528	2147	1730	1311	958	695	522	414
-3.75°	3322	3054	2753	2417	2038	1627	1229	899	656	498	401
-5°	3153	2892	2599	2263	1885	1489	1120	818	602	471	386
-6.25°	2938	2688	2398	2063	1693	1317	987	732	555	442	368
-7.5°	2688	2442	2152	1823	1473	1140	857	644	501	408	348
-8.75°	2398	2152	1867	1553	1237	954	726	563	453	380	330
-10°	2063	1823	1553	1270	1004	779	608	489	407	350	309
-11.25°	1693	1473	1237	1004	803	640	519	432	371	326	287
-12.5°	1317	1140	954	779	640	529	446	384	338	301	262
-13.75°	987	857	726	608	519	446	388	344	309	273	242
-15°	732	644	563	489	432	384	344	312	279	248	222
-16.25°	555	501	453	407	371	338	309	279	250	226	201
-17.5°	442	408	380	350	326	301	273	248	226	203	181
-18.75°	368	348	330	309	287	262	242	222	201	181	163
-20°	319	304	287	268	250	233	215	196	178	162	147
-21.25°	274	260	248	235	220	204	188	173	158	145	131



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	237	227	216	204	190	178	165	153	141	129	117
-23.75°	204	195	186	176	166	155	145	135	124	114	104
-25°	175	168	161	153	145	136	127	118	109	101	93
-26.25°	150	145	139	133	126	119	111	103	96	89	81
-27.5°	130	126	120	115	109	103	97	91	84	77	71
-28.75°	112	108	104	99	95	90	84	78	73	67	61
-30°	96	93	90	86	82	77	72	67	63	57	52
-31.25°	82	79	76	73	69	66	62	57	52	47	42
-32.5°	69	67	65	62	59	55	51	47	42	37	31
-33.75°	58	56	53	51	47	44	40	35	31	26	24
-35°	46	44	42	39	36	32	28	26	24	22	20
-36.25°	34	32	30	27	25	24	23	21	20	18	17
-37.5°	25	24	23	22	21	20	19	17	16	15	15
-38.75°	20	19	19	18	17	16	16	15	14	13	13
-40°	16	16	16	15	15	14	13	13	12	12	11
-41.25°	14	14	13	13	12	12	11	11	10	10	9
-42.5°	12	12	11	11	11	10	10	9	9	8	8
-43.75°	10	10	9	9	9	8	8	8	7	7	7
-45°	8	8	8	8	7	7	7	7	6	6	6
-46.25°	7	7	7	7	6	6	6	6	6	5	5
-47.5°	6	6	6	6	6	5	5	5	5	5	4
-48.75°	5	5	5	5	5	5	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	3	3	3
-51.25°	4	4	4	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	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	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	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	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°	1	1	1	1	1	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	1	1	0
66.25°	1	1	1	1	1	1	1	1	1	1	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°	2	2	1	1	1	1	1	1	1	1	1
56.25°	2	2	2	2	2	1	1	1	1	1	1
55°	2	2	2	2	2	2	2	2	1	1	1
53.75°	2	2	2	2	2	2	2	2	2	2	1
52.5°	2	2	2	2	2	2	2	2	2	2	2
51.25°	3	3	2	2	2	2	2	2	2	2	2
50°	3	3	3	3	3	2	2	2	2	2	2
48.75°	4	3	3	3	3	3	3	2	2	2	2
47.5°	4	4	4	4	3	3	3	3	3	2	2
46.25°	5	5	4	4	4	4	3	3	3	3	3
45°	6	5	5	5	5	4	4	4	3	3	3
43.75°	6	6	6	5	5	5	5	4	4	3	3
42.5°	7	7	7	6	6	5	5	5	4	4	4
41.25°	8	8	8	7	7	6	6	5	5	5	4
40°	10	9	9	8	8	7	6	6	6	5	5
38.75°	12	11	10	9	8	8	7	7	6	6	5
37.5°	14	13	12	11	10	9	8	8	7	6	6
36.25°	16	15	14	13	12	11	10	8	8	7	7
35°	18	17	15	14	13	12	11	10	9	8	7



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	22	20	18	16	15	14	12	11	10	9	8
32.5°	26	24	21	19	17	15	14	13	11	10	9
31.25°	36	30	25	23	20	17	16	14	13	12	10
30°	46	39	33	26	23	21	18	16	14	13	11
28.75°	55	49	42	35	27	24	21	18	16	14	13
27.5°	65	58	51	44	36	28	24	21	18	16	14
26.25°	74	67	60	53	45	37	28	24	21	17	15
25°	84	76	68	61	53	45	36	27	23	20	17
23.75°	95	86	77	69	61	53	44	35	26	23	19
22.5°	106	96	87	77	68	60	51	42	33	25	21
21.25°	119	107	96	86	76	67	58	49	39	30	24
20°	132	119	106	95	84	74	65	55	46	36	26
18.75°	147	131	117	104	93	81	71	61	52	42	31
17.5°	162	145	129	114	101	89	77	67	57	47	37
16.25°	178	158	141	124	109	96	84	73	63	52	42
15°	196	173	153	135	118	103	91	78	67	57	47
13.75°	215	188	165	145	127	111	97	84	72	62	51
12.5°	233	204	178	155	136	119	103	90	77	66	55
11.25°	250	220	190	166	145	126	109	95	82	69	59
10°	268	235	204	176	153	133	115	99	86	73	62
8.75°	287	248	216	186	161	139	120	104	90	76	65
7.5°	304	260	227	195	168	145	126	108	93	79	67
6.25°	319	274	237	204	175	150	130	112	96	82	69
5°	331	285	245	211	180	155	134	115	99	84	71
3.75°	340	294	251	217	185	159	137	117	100	86	72
2.5°	347	301	255	221	188	161	139	119	102	87	73
1.25°	352	305	258	224	190	163	140	120	103	88	74
0°	353	306	259	225	191	164	141	121	103	89	74
-1.25°	352	305	258	224	190	163	140	120	103	88	74
-2.5°	347	301	255	221	188	161	139	119	102	87	73
-3.75°	340	294	251	217	185	159	137	117	100	86	72
-5°	331	285	245	211	180	155	134	115	99	84	71
-6.25°	319	274	237	204	175	150	130	112	96	82	69
-7.5°	304	260	227	195	168	145	126	108	93	79	67
-8.75°	287	248	216	186	161	139	120	104	90	76	65
-10°	268	235	204	176	153	133	115	99	86	73	62
-11.25°	250	220	190	166	145	126	109	95	82	69	59
-12.5°	233	204	178	155	136	119	103	90	77	66	55
-13.75°	215	188	165	145	127	111	97	84	72	62	51
-15°	196	173	153	135	118	103	91	78	67	57	47
-16.25°	178	158	141	124	109	96	84	73	63	52	42
-17.5°	162	145	129	114	101	89	77	67	57	47	37
-18.75°	147	131	117	104	93	81	71	61	52	42	31
-20°	132	119	106	95	84	74	65	55	46	36	26
-21.25°	119	107	96	86	76	67	58	49	39	30	24



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	106	96	87	77	68	60	51	42	33	25	21
-23.75°	95	86	77	69	61	53	44	35	26	23	19
-25°	84	76	68	61	53	45	36	27	23	20	17
-26.25°	74	67	60	53	45	37	28	24	21	17	15
-27.5°	65	58	51	44	36	28	24	21	18	16	14
-28.75°	55	49	42	35	27	24	21	18	16	14	13
-30°	46	39	33	26	23	21	18	16	14	13	11
-31.25°	36	30	25	23	20	17	16	14	13	12	10
-32.5°	26	24	21	19	17	15	14	13	11	10	9
-33.75°	22	20	18	16	15	14	12	11	10	9	8
-35°	18	17	15	14	13	12	11	10	9	8	7
-36.25°	16	15	14	13	12	11	10	8	8	7	7
-37.5°	14	13	12	11	10	9	8	8	7	6	6
-38.75°	12	11	10	9	8	8	7	7	6	6	5
-40°	10	9	9	8	8	7	6	6	6	5	5
-41.25°	8	8	8	7	7	6	6	5	5	5	4
-42.5°	7	7	7	6	6	5	5	5	4	4	4
-43.75°	6	6	6	5	5	5	5	4	4	3	3
-45°	6	5	5	5	5	4	4	4	3	3	3
-46.25°	5	5	4	4	4	4	3	3	3	3	3
-47.5°	4	4	4	4	3	3	3	3	3	2	2
-48.75°	4	3	3	3	3	3	3	2	2	2	2
-50°	3	3	3	3	3	2	2	2	2	2	2
-51.25°	3	3	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	1
-55°	2	2	2	2	2	2	2	2	1	1	1
-56.25°	2	2	2	2	2	1	1	1	1	1	1
-57.5°	2	2	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	0
-68.75°	1	1	1	1	1	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	1	1	0	0	0	0	0	0	0	0	0
65°	1	1	1	1	1	0	0	0	0	0	0
63.75°	1	1	1	1	1	1	1	0	0	0	0
62.5°	1	1	1	1	1	1	1	1	1	0	0
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°	2	1	1	1	1	1	1	1	1	1	1
51.25°	2	2	2	1	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	2	1	1	1	1
46.25°	2	2	2	2	2	2	2	2	1	1	1
45°	3	2	2	2	2	2	2	2	2	2	1
43.75°	3	3	3	2	2	2	2	2	2	2	1
42.5°	3	3	3	3	2	2	2	2	2	2	2
41.25°	4	3	3	3	3	2	2	2	2	2	2
40°	4	4	3	3	3	3	2	2	2	2	2
38.75°	5	4	4	4	3	3	3	2	2	2	2
37.5°	5	5	4	4	4	3	3	3	2	2	2
36.25°	6	5	5	4	4	3	3	3	3	2	2
35°	7	6	5	5	4	4	3	3	3	2	2



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	7	7	6	5	5	4	4	3	3	3	2
32.5°	8	7	7	6	5	5	4	4	3	3	3
31.25°	9	8	7	6	6	5	5	4	3	3	3
30°	10	9	8	7	6	6	5	4	4	3	3
28.75°	11	10	8	8	7	6	5	5	4	4	3
27.5°	12	11	10	8	7	6	6	5	5	4	3
26.25°	14	12	11	9	8	7	6	5	5	4	4
25°	15	13	12	10	8	8	7	6	5	5	4
23.75°	16	14	13	11	9	8	7	6	5	5	4
22.5°	18	15	14	12	10	9	8	7	6	5	4
21.25°	20	17	15	13	11	9	8	7	6	5	5
20°	22	18	16	14	12	10	8	7	6	6	5
18.75°	24	20	17	15	13	11	9	8	7	6	5
17.5°	26	22	18	15	13	12	10	8	7	6	5
16.25°	31	24	20	16	14	12	10	9	7	6	6
15°	35	26	21	17	15	13	11	9	8	7	6
13.75°	40	28	23	19	16	13	11	10	8	7	6
12.5°	44	32	24	20	16	14	12	10	8	7	6
11.25°	47	36	25	21	17	15	12	11	9	7	6
10°	51	39	27	22	18	15	13	11	9	8	7
8.75°	53	42	30	23	19	16	13	11	9	8	7
7.5°	56	44	32	24	19	16	14	12	10	8	7
6.25°	58	46	34	25	20	16	14	12	10	8	7
5°	60	48	36	25	21	17	14	12	10	8	7
3.75°	61	49	37	26	21	17	14	12	10	8	7
2.5°	62	50	38	26	21	17	15	12	10	8	7
1.25°	62	51	38	26	22	17	15	12	10	8	7
0°	63	51	39	26	22	17	15	12	10	9	7
-1.25°	62	51	38	26	22	17	15	12	10	8	7
-2.5°	62	50	38	26	21	17	15	12	10	8	7
-3.75°	61	49	37	26	21	17	14	12	10	8	7
-5°	60	48	36	25	21	17	14	12	10	8	7
-6.25°	58	46	34	25	20	16	14	12	10	8	7
-7.5°	56	44	32	24	19	16	14	12	10	8	7
-8.75°	53	42	30	23	19	16	13	11	9	8	7
-10°	51	39	27	22	18	15	13	11	9	8	7
-11.25°	47	36	25	21	17	15	12	11	9	7	6
-12.5°	44	32	24	20	16	14	12	10	8	7	6
-13.75°	40	28	23	19	16	13	11	10	8	7	6
-15°	35	26	21	17	15	13	11	9	8	7	6
-16.25°	31	24	20	16	14	12	10	9	7	6	6
-17.5°	26	22	18	15	13	12	10	8	7	6	5
-18.75°	24	20	17	15	13	11	9	8	7	6	5
-20°	22	18	16	14	12	10	8	7	6	6	5
-21.25°	20	17	15	13	11	9	8	7	6	5	5



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	18	15	14	12	10	9	8	7	6	5	4
-23.75°	16	14	13	11	9	8	7	6	5	5	4
-25°	15	13	12	10	8	8	7	6	5	5	4
-26.25°	14	12	11	9	8	7	6	5	5	4	4
-27.5°	12	11	10	8	7	6	6	5	5	4	3
-28.75°	11	10	8	8	7	6	5	5	4	4	3
-30°	10	9	8	7	6	6	5	4	4	3	3
-31.25°	9	8	7	6	6	5	5	4	3	3	3
-32.5°	8	7	7	6	5	5	4	4	3	3	3
-33.75°	7	7	6	5	5	4	4	3	3	3	2
-35°	7	6	5	5	4	4	3	3	3	2	2
-36.25°	6	5	5	4	4	3	3	3	3	2	2
-37.5°	5	5	4	4	4	3	3	3	2	2	2
-38.75°	5	4	4	4	3	3	3	2	2	2	2
-40°	4	4	3	3	3	3	2	2	2	2	2
-41.25°	4	3	3	3	3	2	2	2	2	2	2
-42.5°	3	3	3	3	2	2	2	2	2	2	2
-43.75°	3	3	3	2	2	2	2	2	2	2	1
-45°	3	2	2	2	2	2	2	2	2	2	1
-46.25°	2	2	2	2	2	2	2	2	1	1	1
-47.5°	2	2	2	2	2	2	2	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	1	1	1	1	1	1	1	1
-52.5°	2	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	0	0
-63.75°	1	1	1	1	1	1	1	0	0	0	0
-65°	1	1	1	1	1	0	0	0	0	0	0
-66.25°	1	1	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	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°	1	1	0	0	0	0	0	0	0	0	0
58.75°	1	1	1	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	0	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	1	0	0	0
52.5°	1	1	1	1	1	1	1	1	1	0	0
51.25°	1	1	1	1	1	1	1	1	1	0	0
50°	1	1	1	1	1	1	1	1	1	1	0
48.75°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	1
46.25°	1	1	1	1	1	1	1	1	1	1	1
45°	1	1	1	1	1	1	1	1	1	1	1
43.75°	1	1	1	1	1	1	1	1	1	1	1
42.5°	1	1	1	1	1	1	1	1	1	1	1
41.25°	2	1	1	1	1	1	1	1	1	1	1
40°	2	2	1	1	1	1	1	1	1	1	1
38.75°	2	2	2	1	1	1	1	1	1	1	1
37.5°	2	2	2	1	1	1	1	1	1	1	1
36.25°	2	2	2	2	1	1	1	1	1	1	1
35°	2	2	2	2	1	1	1	1	1	1	1



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	2	2	2	2	2	1	1	1	1	1	1
32.5°	2	2	2	2	2	1	1	1	1	1	1
31.25°	2	2	2	2	2	2	1	1	1	1	1
30°	3	2	2	2	2	2	1	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	1	1	1	1
25°	3	3	3	2	2	2	2	2	1	1	1
23.75°	4	3	3	2	2	2	2	2	1	1	1
22.5°	4	3	3	2	2	2	2	2	1	1	1
21.25°	4	3	3	3	2	2	2	2	2	1	1
20°	4	4	3	3	2	2	2	2	2	1	1
18.75°	4	4	3	3	2	2	2	2	2	1	1
17.5°	5	4	3	3	2	2	2	2	2	1	1
16.25°	5	4	3	3	3	2	2	2	2	1	1
15°	5	4	4	3	3	2	2	2	2	2	1
13.75°	5	4	4	3	3	2	2	2	2	2	1
12.5°	5	5	4	3	3	2	2	2	2	2	1
11.25°	6	5	4	3	3	2	2	2	2	2	1
10°	6	5	4	3	3	2	2	2	2	2	1
8.75°	6	5	4	4	3	3	2	2	2	2	1
7.5°	6	5	4	4	3	3	2	2	2	2	1
6.25°	6	5	4	4	3	3	2	2	2	2	1
5°	6	5	4	4	3	3	2	2	2	2	1
3.75°	6	5	5	4	3	3	2	2	2	2	1
2.5°	6	5	5	4	3	3	2	2	2	2	1
1.25°	6	5	5	4	3	3	2	2	2	2	1
0°	6	5	5	4	3	3	2	2	2	2	2
-1.25°	6	5	5	4	3	3	2	2	2	2	1
-2.5°	6	5	5	4	3	3	2	2	2	2	1
-3.75°	6	5	5	4	3	3	2	2	2	2	1
-5°	6	5	4	4	3	3	2	2	2	2	1
-6.25°	6	5	4	4	3	3	2	2	2	2	1
-7.5°	6	5	4	4	3	3	2	2	2	2	1
-8.75°	6	5	4	4	3	3	2	2	2	2	1
-10°	6	5	4	3	3	2	2	2	2	2	1
-11.25°	6	5	4	3	3	2	2	2	2	2	1
-12.5°	5	5	4	3	3	2	2	2	2	2	1
-13.75°	5	4	4	3	3	2	2	2	2	2	1
-15°	5	4	4	3	3	2	2	2	2	2	1
-16.25°	5	4	3	3	3	2	2	2	2	1	1
-17.5°	5	4	3	3	2	2	2	2	2	1	1
-18.75°	4	4	3	3	2	2	2	2	2	1	1
-20°	4	4	3	3	2	2	2	2	2	1	1
-21.25°	4	3	3	3	2	2	2	2	2	1	1



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	4	3	3	2	2	2	2	2	1	1	1
-23.75°	4	3	3	2	2	2	2	2	1	1	1
-25°	3	3	3	2	2	2	2	2	1	1	1
-26.25°	3	3	2	2	2	2	2	1	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	1	1	1	1	1
-31.25°	2	2	2	2	2	2	1	1	1	1	1
-32.5°	2	2	2	2	2	1	1	1	1	1	1
-33.75°	2	2	2	2	2	1	1	1	1	1	1
-35°	2	2	2	2	1	1	1	1	1	1	1
-36.25°	2	2	2	2	1	1	1	1	1	1	1
-37.5°	2	2	2	1	1	1	1	1	1	1	1
-38.75°	2	2	2	1	1	1	1	1	1	1	1
-40°	2	2	1	1	1	1	1	1	1	1	1
-41.25°	2	1	1	1	1	1	1	1	1	1	1
-42.5°	1	1	1	1	1	1	1	1	1	1	1
-43.75°	1	1	1	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	1
-46.25°	1	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-48.75°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	0
-51.25°	1	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	1	1	0	0
-53.75°	1	1	1	1	1	1	1	1	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	0	0	0	0	0	0
-58.75°	1	1	1	0	0	0	0	0	0	0	0
-60°	1	1	0	0	0	0	0	0	0	0	0
-61.25°	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	1	1	1	1	1	0	0	0	0	0	0
32.5°	1	1	1	1	1	0	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	1	0	0	0
15°	1	1	1	1	1	1	1	1	0	0	0
13.75°	1	1	1	1	1	1	1	1	0	0	0
12.5°	1	1	1	1	1	1	1	1	0	0	0
11.25°	1	1	1	1	1	1	1	1	0	0	0
10°	1	1	1	1	1	1	1	1	0	0	0
8.75°	1	1	1	1	1	1	1	1	0	0	0
7.5°	1	1	1	1	1	1	1	1	0	0	0
6.25°	1	1	1	1	1	1	1	1	0	0	0
5°	1	1	1	1	1	1	1	1	0	0	0
3.75°	1	1	1	1	1	1	1	1	0	0	0
2.5°	1	1	1	1	1	1	1	1	0	0	0
1.25°	1	1	1	1	1	1	1	1	0	0	0
0°	1	1	1	1	1	1	1	1	0	0	0
-1.25°	1	1	1	1	1	1	1	1	0	0	0
-2.5°	1	1	1	1	1	1	1	1	0	0	0
-3.75°	1	1	1	1	1	1	1	1	0	0	0
-5°	1	1	1	1	1	1	1	1	0	0	0
-6.25°	1	1	1	1	1	1	1	1	0	0	0
-7.5°	1	1	1	1	1	1	1	1	0	0	0
-8.75°	1	1	1	1	1	1	1	1	0	0	0
-10°	1	1	1	1	1	1	1	1	0	0	0
-11.25°	1	1	1	1	1	1	1	1	0	0	0
-12.5°	1	1	1	1	1	1	1	1	0	0	0
-13.75°	1	1	1	1	1	1	1	1	0	0	0
-15°	1	1	1	1	1	1	1	1	0	0	0
-16.25°	1	1	1	1	1	1	1	1	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: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	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	0	0	0	0	0	0
-33.75°	1	1	1	1	1	0	0	0	0	0	0
-35°	1	1	1	1	1	0	0	0	0	0	0
-36.25°	1	1	1	1	0	0	0	0	0	0	0
-37.5°	1	1	1	1	0	0	0	0	0	0	0
-38.75°	1	1	1	1	0	0	0	0	0	0	0
-40°	1	1	1	0	0	0	0	0	0	0	0
-41.25°	1	1	1	0	0	0	0	0	0	0	0
-42.5°	1	1	0	0	0	0	0	0	0	0	0
-43.75°	1	1	0	0	0	0	0	0	0	0	0
-45°	1	0	0	0	0	0	0	0	0	0	0
-46.25°	1	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-48.75°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	0	0	0	0	0	0	0	0	0	0	0
-23.75°	0	0	0	0	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-26.25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-28.75°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-31.25°	0	0	0	0	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-33.75°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-36.25°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-38.75°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-41.25°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-43.75°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-46.25°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-48.75°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220414 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)