

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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
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-LED3090-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

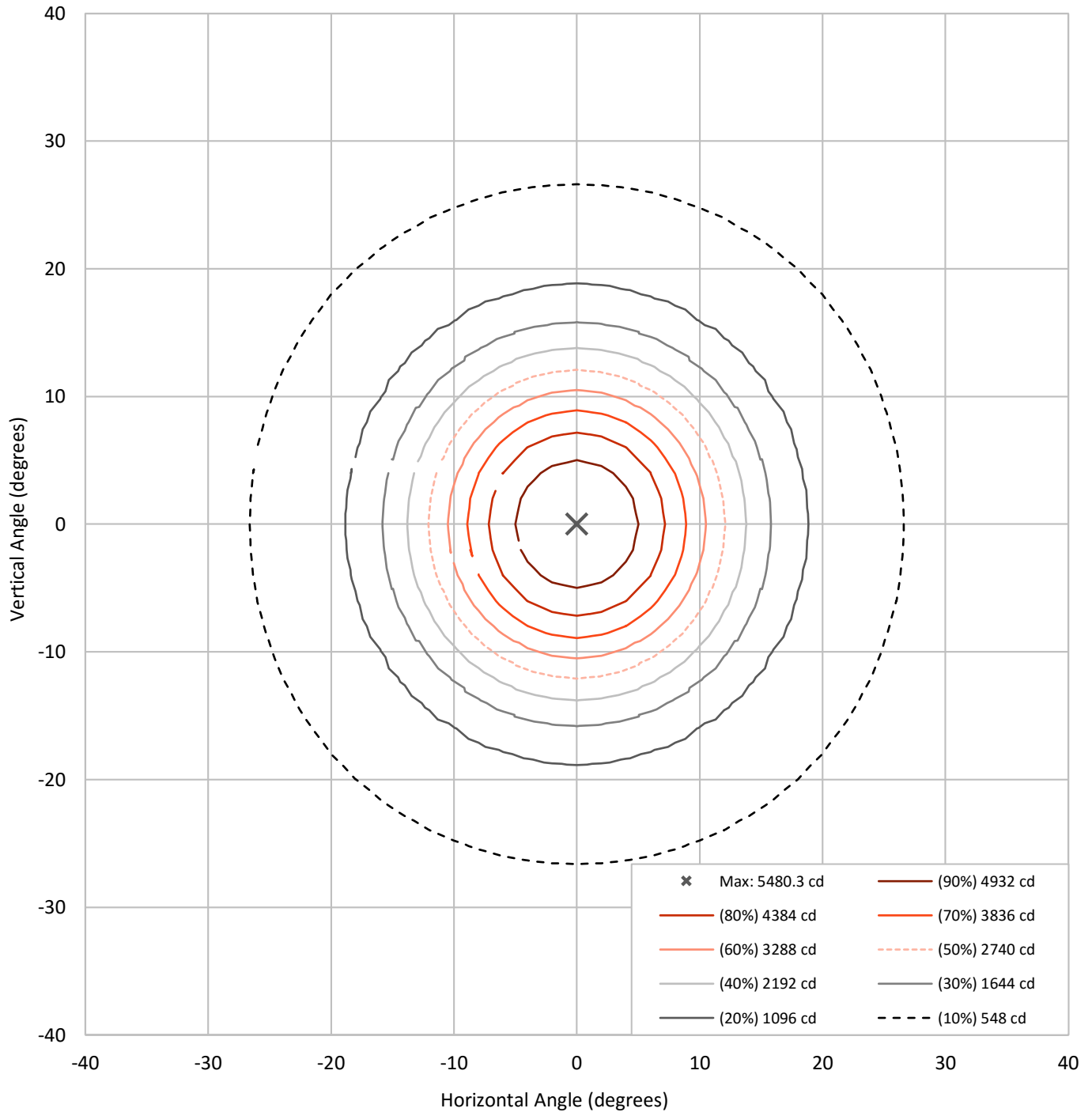
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1294.2 lumens	Max Intensity:	5480.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	64.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	24.2°H x 24.2°V	Field Angle (10%):	53.3°H x 53.3°V
Beam Lumens:	565.8 lumens	Field Lumens:	1156.1 lumens
Beam Efficiency:	43.7%	Field Efficiency:	89.3%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

Iso-Candela Plot





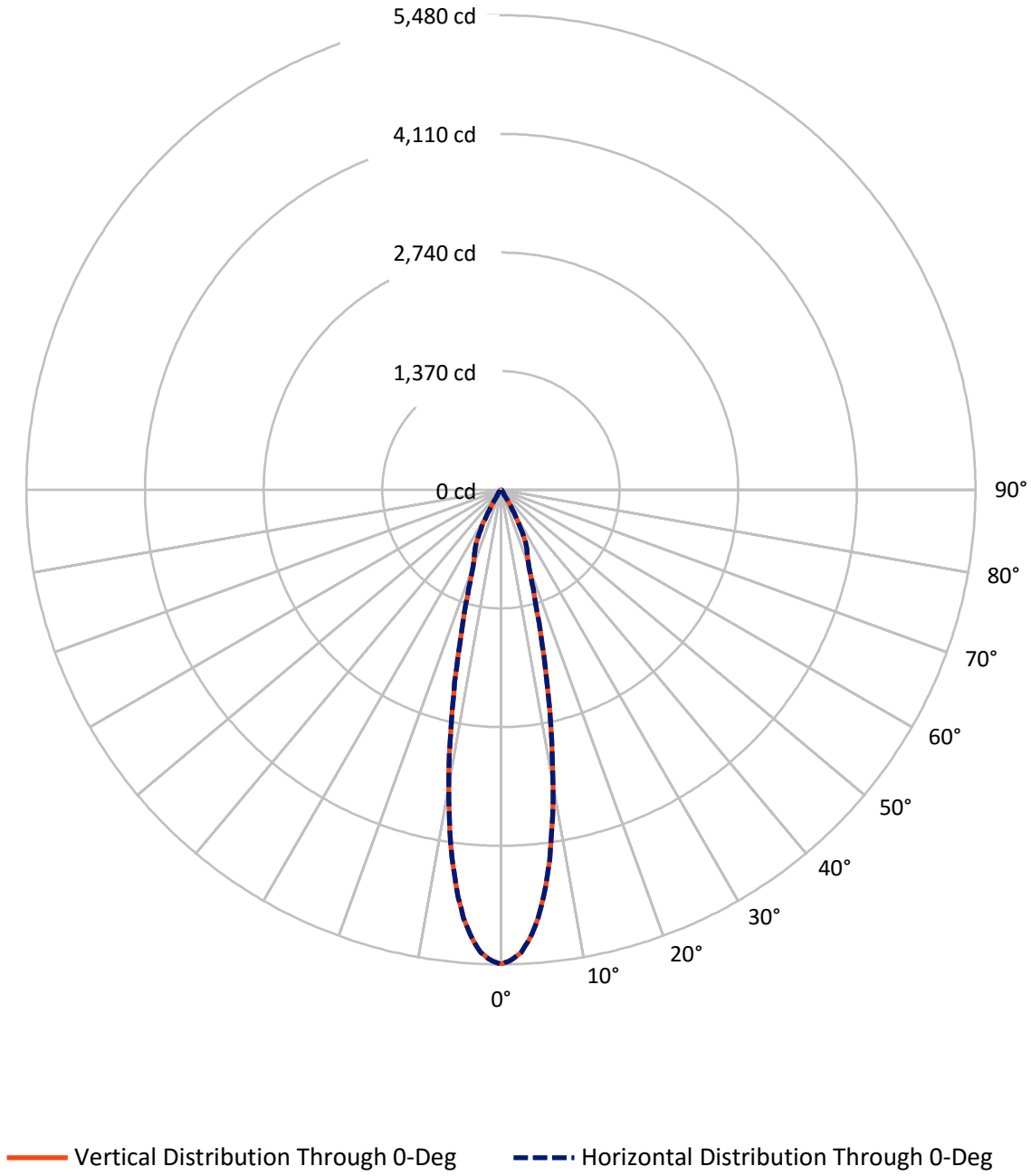
REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
60		0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1		0.0	
50	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	
40		0.0	0.1	0.1	0.2	0.5	1.1	2.1	2.1	1.1	0.5	0.2	0.1	0.1		0.0
30	0.0	0.0	0.1	0.2	0.4	2.2	10.6	18.1	18.1	10.6	2.2	0.4	0.2	0.1	0.0	0.0
20		0.0	0.1	0.2	0.9	10.0	27.3	52.0	52.0	27.3	10.0	0.9	0.2	0.1	0.0	
10	0.0	0.0	0.1	0.2	1.8	16.5	50.6	125.5	125.5	50.6	16.5	1.8	0.2	0.1	0.0	0.0
0		0.0	0.1	0.2	1.8	16.5	50.6	125.5	125.5	50.6	16.5	1.8	0.2	0.1	0.0	
-10	0.0	0.0	0.1	0.2	0.9	10.0	27.3	52.0	52.0	27.3	10.0	0.9	0.2	0.1	0.0	0.0
-20		0.0	0.1	0.2	0.4	2.2	10.6	18.1	18.1	10.6	2.2	0.4	0.2	0.1	0.0	
-30	0.0	0.0	0.1	0.1	0.2	0.5	1.1	2.1	2.1	1.1	0.5	0.2	0.1	0.1	0.0	0.0
-40		0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
-60		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	
-70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
-80		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0		
-90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		

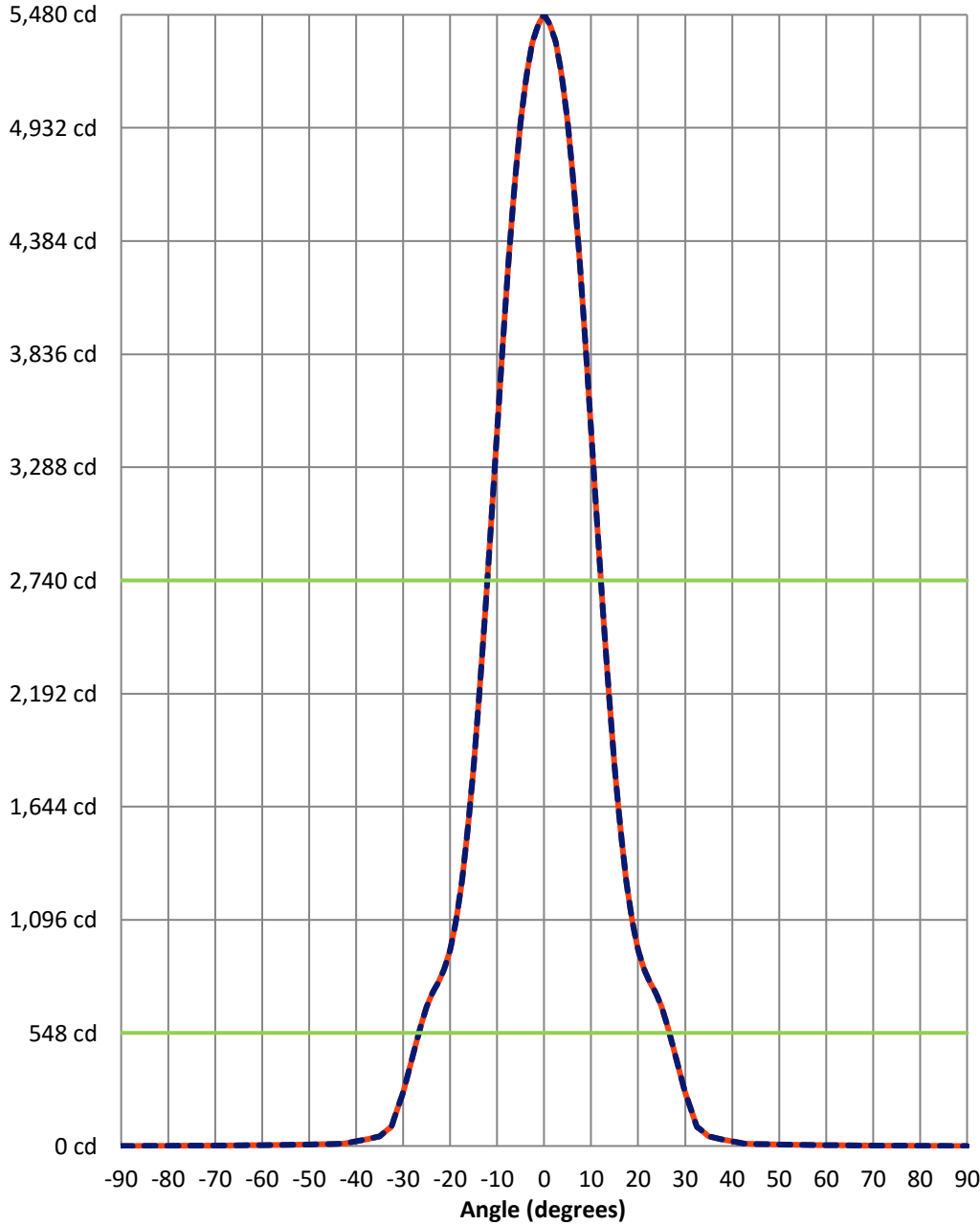
REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 24.2°
 Lumens: 565.8
 Efficiency: 43.7%

Field:
 H Angle: 53.3°
 V Angle: 53.3°
 Lumens: 1156.1
 Efficiency: 89.3%

Spill:
 Lumens: 138.2
 Efficiency: 10.7%

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



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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	1
68.75°	0	0	0	0	0	0	0	0	0	0	1
67.5°	0	0	0	0	0	0	0	0	0	1	1
66.25°	0	0	0	0	0	0	0	0	0	1	1
65°	0	0	0	0	0	0	0	0	1	1	1
63.75°	0	0	0	0	0	0	0	0	1	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
61.25°	0	0	0	0	0	0	0	1	1	1	1
60°	0	0	0	0	0	0	0	1	1	1	1
58.75°	0	0	0	0	0	0	0	1	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
56.25°	0	0	0	0	0	0	1	1	1	1	1
55°	0	0	0	0	0	0	1	1	1	1	1
53.75°	0	0	0	0	0	0	1	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
51.25°	0	0	0	0	0	0	1	1	1	1	1
50°	0	0	0	0	0	0	1	1	1	1	1
48.75°	0	0	0	0	0	1	1	1	1	1	1
47.5°	0	0	0	0	0	1	1	1	1	1	1
46.25°	0	0	0	0	0	1	1	1	1	1	1
45°	0	0	0	0	0	1	1	1	1	1	1
43.75°	0	0	0	0	0	1	1	1	1	1	1
42.5°	0	0	0	0	0	1	1	1	1	1	1
41.25°	0	0	0	0	0	1	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	1
38.75°	0	0	0	0	0	1	1	1	1	1	1
37.5°	0	0	0	0	0	1	1	1	1	1	1
36.25°	0	0	0	0	0	1	1	1	1	1	1
35°	0	0	0	0	1	1	1	1	1	1	1



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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	1	1	1	1	1	1	1
32.5°	0	0	0	0	1	1	1	1	1	1	1
31.25°	0	0	0	0	1	1	1	1	1	1	1
30°	0	0	0	0	1	1	1	1	1	1	1
28.75°	0	0	0	0	1	1	1	1	1	1	1
27.5°	0	0	0	0	1	1	1	1	1	1	1
26.25°	0	0	0	0	1	1	1	1	1	1	1
25°	0	0	0	0	1	1	1	1	1	1	1
23.75°	0	0	0	0	1	1	1	1	1	1	1
22.5°	0	0	0	0	1	1	1	1	1	1	1
21.25°	0	0	0	0	1	1	1	1	1	1	1
20°	0	0	0	0	1	1	1	1	1	1	1
18.75°	0	0	0	0	1	1	1	1	1	1	1
17.5°	0	0	0	0	1	1	1	1	1	1	1
16.25°	0	0	0	0	1	1	1	1	1	1	1
15°	0	0	0	0	1	1	1	1	1	1	1
13.75°	0	0	0	0	1	1	1	1	1	1	1
12.5°	0	0	0	0	1	1	1	1	1	1	2
11.25°	0	0	0	0	1	1	1	1	1	1	2
10°	0	0	0	0	1	1	1	1	1	1	2
8.75°	0	0	0	0	1	1	1	1	1	1	2
7.5°	0	0	0	0	1	1	1	1	1	1	2
6.25°	0	0	0	0	1	1	1	1	1	1	2
5°	0	0	0	0	1	1	1	1	1	1	2
3.75°	0	0	0	0	1	1	1	1	1	1	2
2.5°	0	0	0	0	1	1	1	1	1	1	2
1.25°	0	0	0	0	1	1	1	1	1	1	2
0°	0	0	0	0	1	1	1	1	1	1	2
-1.25°	0	0	0	0	1	1	1	1	1	1	2
-2.5°	0	0	0	0	1	1	1	1	1	1	2
-3.75°	0	0	0	0	1	1	1	1	1	1	2
-5°	0	0	0	0	1	1	1	1	1	1	2
-6.25°	0	0	0	0	1	1	1	1	1	1	2
-7.5°	0	0	0	0	1	1	1	1	1	1	2
-8.75°	0	0	0	0	1	1	1	1	1	1	2
-10°	0	0	0	0	1	1	1	1	1	1	2
-11.25°	0	0	0	0	1	1	1	1	1	1	2
-12.5°	0	0	0	0	1	1	1	1	1	1	2
-13.75°	0	0	0	0	1	1	1	1	1	1	1
-15°	0	0	0	0	1	1	1	1	1	1	1
-16.25°	0	0	0	0	1	1	1	1	1	1	1
-17.5°	0	0	0	0	1	1	1	1	1	1	1
-18.75°	0	0	0	0	1	1	1	1	1	1	1
-20°	0	0	0	0	1	1	1	1	1	1	1
-21.25°	0	0	0	0	1	1	1	1	1	1	1



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	1	1	1	1	1	1	1
-23.75°	0	0	0	0	1	1	1	1	1	1	1
-25°	0	0	0	0	1	1	1	1	1	1	1
-26.25°	0	0	0	0	1	1	1	1	1	1	1
-27.5°	0	0	0	0	1	1	1	1	1	1	1
-28.75°	0	0	0	0	1	1	1	1	1	1	1
-30°	0	0	0	0	1	1	1	1	1	1	1
-31.25°	0	0	0	0	1	1	1	1	1	1	1
-32.5°	0	0	0	0	1	1	1	1	1	1	1
-33.75°	0	0	0	0	1	1	1	1	1	1	1
-35°	0	0	0	0	1	1	1	1	1	1	1
-36.25°	0	0	0	0	0	1	1	1	1	1	1
-37.5°	0	0	0	0	0	1	1	1	1	1	1
-38.75°	0	0	0	0	0	1	1	1	1	1	1
-40°	0	0	0	0	0	1	1	1	1	1	1
-41.25°	0	0	0	0	0	1	1	1	1	1	1
-42.5°	0	0	0	0	0	1	1	1	1	1	1
-43.75°	0	0	0	0	0	1	1	1	1	1	1
-45°	0	0	0	0	0	1	1	1	1	1	1
-46.25°	0	0	0	0	0	1	1	1	1	1	1
-47.5°	0	0	0	0	0	1	1	1	1	1	1
-48.75°	0	0	0	0	0	1	1	1	1	1	1
-50°	0	0	0	0	0	0	1	1	1	1	1
-51.25°	0	0	0	0	0	0	1	1	1	1	1
-52.5°	0	0	0	0	0	0	1	1	1	1	1
-53.75°	0	0	0	0	0	0	1	1	1	1	1
-55°	0	0	0	0	0	0	1	1	1	1	1
-56.25°	0	0	0	0	0	0	1	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-58.75°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	1	1	1	1
-61.25°	0	0	0	0	0	0	0	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-63.75°	0	0	0	0	0	0	0	0	1	1	1
-65°	0	0	0	0	0	0	0	0	1	1	1
-66.25°	0	0	0	0	0	0	0	0	0	1	1
-67.5°	0	0	0	0	0	0	0	0	0	1	1
-68.75°	0	0	0	0	0	0	0	0	0	0	1
-70°	0	0	0	0	0	0	0	0	0	0	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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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	1	1
78.75°	0	0	0	0	0	0	0	1	1	1	1
77.5°	0	0	0	0	0	1	1	1	1	1	1
76.25°	0	0	0	1	1	1	1	1	1	1	1
75°	0	0	1	1	1	1	1	1	1	1	1
73.75°	0	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	2
60°	1	1	1	1	1	1	1	1	1	2	2
58.75°	1	1	1	1	1	1	1	1	1	2	2
57.5°	1	1	1	1	1	1	1	1	2	2	2
56.25°	1	1	1	1	1	1	1	2	2	2	2
55°	1	1	1	1	1	1	1	2	2	2	2
53.75°	1	1	1	1	1	1	2	2	2	2	2
52.5°	1	1	1	1	1	1	2	2	2	2	2
51.25°	1	1	1	1	1	2	2	2	2	2	2
50°	1	1	1	1	1	2	2	2	2	2	2
48.75°	1	1	1	1	2	2	2	2	2	2	2
47.5°	1	1	1	1	2	2	2	2	2	2	2
46.25°	1	1	1	1	2	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	2
42.5°	1	1	1	2	2	2	2	2	2	2	2
41.25°	1	1	1	2	2	2	2	2	2	2	2
40°	1	1	2	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	2



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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	2	2	2	2	2	2	2	2	2	2
32.5°	1	2	2	2	2	2	2	2	2	2	2
31.25°	1	2	2	2	2	2	2	2	2	2	2
30°	1	2	2	2	2	2	2	2	2	2	2
28.75°	1	2	2	2	2	2	2	2	2	2	3
27.5°	1	2	2	2	2	2	2	2	2	2	3
26.25°	2	2	2	2	2	2	2	2	2	2	3
25°	2	2	2	2	2	2	2	2	2	2	3
23.75°	2	2	2	2	2	2	2	2	2	2	3
22.5°	2	2	2	2	2	2	2	2	2	3	3
21.25°	2	2	2	2	2	2	2	2	2	3	3
20°	2	2	2	2	2	2	2	2	2	3	3
18.75°	2	2	2	2	2	2	2	2	2	3	3
17.5°	2	2	2	2	2	2	2	2	2	3	3
16.25°	2	2	2	2	2	2	2	2	2	3	3
15°	2	2	2	2	2	2	2	2	3	3	3
13.75°	2	2	2	2	2	2	2	2	3	3	3
12.5°	2	2	2	2	2	2	2	2	3	3	3
11.25°	2	2	2	2	2	2	2	2	3	3	3
10°	2	2	2	2	2	2	2	2	3	3	3
8.75°	2	2	2	2	2	2	2	2	3	3	3
7.5°	2	2	2	2	2	2	2	2	3	3	4
6.25°	2	2	2	2	2	2	2	2	3	3	4
5°	2	2	2	2	2	2	2	2	3	3	4
3.75°	2	2	2	2	2	2	2	2	3	3	4
2.5°	2	2	2	2	2	2	2	2	3	3	4
1.25°	2	2	2	2	2	2	2	2	3	3	4
0°	2	2	2	2	2	2	2	2	3	3	4
-1.25°	2	2	2	2	2	2	2	2	3	3	4
-2.5°	2	2	2	2	2	2	2	2	3	3	4
-3.75°	2	2	2	2	2	2	2	2	3	3	4
-5°	2	2	2	2	2	2	2	2	3	3	4
-6.25°	2	2	2	2	2	2	2	2	3	3	4
-7.5°	2	2	2	2	2	2	2	2	3	3	4
-8.75°	2	2	2	2	2	2	2	2	3	3	3
-10°	2	2	2	2	2	2	2	2	3	3	3
-11.25°	2	2	2	2	2	2	2	2	3	3	3
-12.5°	2	2	2	2	2	2	2	2	3	3	3
-13.75°	2	2	2	2	2	2	2	2	3	3	3
-15°	2	2	2	2	2	2	2	2	3	3	3
-16.25°	2	2	2	2	2	2	2	2	2	3	3
-17.5°	2	2	2	2	2	2	2	2	2	3	3
-18.75°	2	2	2	2	2	2	2	2	2	3	3
-20°	2	2	2	2	2	2	2	2	2	3	3
-21.25°	2	2	2	2	2	2	2	2	2	3	3



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	2	2	2	2	2	2	2	2	2	3	3
-23.75°	2	2	2	2	2	2	2	2	2	2	3
-25°	2	2	2	2	2	2	2	2	2	2	3
-26.25°	2	2	2	2	2	2	2	2	2	2	3
-27.5°	1	2	2	2	2	2	2	2	2	2	3
-28.75°	1	2	2	2	2	2	2	2	2	2	3
-30°	1	2	2	2	2	2	2	2	2	2	2
-31.25°	1	2	2	2	2	2	2	2	2	2	2
-32.5°	1	2	2	2	2	2	2	2	2	2	2
-33.75°	1	2	2	2	2	2	2	2	2	2	2
-35°	1	2	2	2	2	2	2	2	2	2	2
-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	2	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	2	2	2	2	2	2	2	2
-43.75°	1	1	1	2	2	2	2	2	2	2	2
-45°	1	1	1	2	2	2	2	2	2	2	2
-46.25°	1	1	1	1	2	2	2	2	2	2	2
-47.5°	1	1	1	1	2	2	2	2	2	2	2
-48.75°	1	1	1	1	2	2	2	2	2	2	2
-50°	1	1	1	1	1	2	2	2	2	2	2
-51.25°	1	1	1	1	1	2	2	2	2	2	2
-52.5°	1	1	1	1	1	1	2	2	2	2	2
-53.75°	1	1	1	1	1	1	2	2	2	2	2
-55°	1	1	1	1	1	1	1	2	2	2	2
-56.25°	1	1	1	1	1	1	1	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	2	2	2
-58.75°	1	1	1	1	1	1	1	1	1	2	2
-60°	1	1	1	1	1	1	1	1	1	2	2
-61.25°	1	1	1	1	1	1	1	1	1	1	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	1	1	1	1	1	1	1	1	1	1
-75°	0	0	1	1	1	1	1	1	1	1	1
-76.25°	0	0	0	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	1	1	1	1	1	1



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	1	1
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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	1	1	1	1	1	1
81.25°	0	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	2	2
68.75°	1	1	1	1	1	1	1	2	2	2	2
67.5°	1	1	1	1	1	2	2	2	2	2	2
66.25°	1	1	1	1	2	2	2	2	2	2	2
65°	1	1	2	2	2	2	2	2	2	2	2
63.75°	1	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	2	3
51.25°	2	2	2	2	2	2	2	2	2	3	3
50°	2	2	2	2	2	2	2	2	3	3	3
48.75°	2	2	2	2	2	2	2	3	3	3	3
47.5°	2	2	2	2	2	2	2	3	3	3	3
46.25°	2	2	2	2	2	2	3	3	3	3	4
45°	2	2	2	2	2	3	3	3	3	4	4
43.75°	2	2	2	2	3	3	3	3	4	4	4
42.5°	2	2	2	2	3	3	3	3	4	4	4
41.25°	2	2	2	3	3	3	3	4	4	4	4
40°	2	2	2	3	3	3	4	4	4	4	4
38.75°	2	2	3	3	3	3	4	4	4	4	4
37.5°	2	2	3	3	3	4	4	4	4	4	4
36.25°	2	3	3	3	3	4	4	4	4	4	4
35°	2	3	3	3	4	4	4	4	4	4	5



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	2	3	3	3	4	4	4	4	4	4	5
32.5°	3	3	3	4	4	4	4	4	4	5	5
31.25°	3	3	3	4	4	4	4	4	4	5	5
30°	3	3	3	4	4	4	4	4	5	5	5
28.75°	3	3	4	4	4	4	4	4	5	5	5
27.5°	3	3	4	4	4	4	4	5	5	5	6
26.25°	3	3	4	4	4	4	4	5	5	5	6
25°	3	3	4	4	4	4	4	5	5	5	6
23.75°	3	4	4	4	4	4	5	5	5	6	6
22.5°	3	4	4	4	4	4	5	5	5	6	6
21.25°	3	4	4	4	4	4	5	5	5	6	6
20°	3	4	4	4	4	4	5	5	6	6	6
18.75°	3	4	4	4	4	5	5	5	6	6	6
17.5°	4	4	4	4	4	5	5	5	6	6	6
16.25°	4	4	4	4	4	5	5	5	6	6	7
15°	4	4	4	4	4	5	5	6	6	6	7
13.75°	4	4	4	4	4	5	5	6	6	6	7
12.5°	4	4	4	4	5	5	5	6	6	6	7
11.25°	4	4	4	4	5	5	5	6	6	7	7
10°	4	4	4	4	5	5	5	6	6	7	7
8.75°	4	4	4	4	5	5	5	6	6	7	7
7.5°	4	4	4	4	5	5	5	6	6	7	7
6.25°	4	4	4	4	5	5	6	6	6	7	7
5°	4	4	4	4	5	5	6	6	6	7	7
3.75°	4	4	4	4	5	5	6	6	6	7	7
2.5°	4	4	4	4	5	5	6	6	6	7	7
1.25°	4	4	4	4	5	5	6	6	6	7	7
0°	4	4	4	4	5	5	6	6	6	7	7
-1.25°	4	4	4	4	5	5	6	6	6	7	7
-2.5°	4	4	4	4	5	5	6	6	6	7	7
-3.75°	4	4	4	4	5	5	6	6	6	7	7
-5°	4	4	4	4	5	5	6	6	6	7	7
-6.25°	4	4	4	4	5	5	6	6	6	7	7
-7.5°	4	4	4	4	5	5	5	6	6	7	7
-8.75°	4	4	4	4	5	5	5	6	6	7	7
-10°	4	4	4	4	5	5	5	6	6	7	7
-11.25°	4	4	4	4	5	5	5	6	6	7	7
-12.5°	4	4	4	4	5	5	5	6	6	6	7
-13.75°	4	4	4	4	4	5	5	6	6	6	7
-15°	4	4	4	4	4	5	5	6	6	6	7
-16.25°	4	4	4	4	4	5	5	5	6	6	7
-17.5°	4	4	4	4	4	5	5	5	6	6	6
-18.75°	3	4	4	4	4	5	5	5	6	6	6
-20°	3	4	4	4	4	4	5	5	6	6	6
-21.25°	3	4	4	4	4	4	5	5	5	6	6



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	3	4	4	4	4	4	5	5	5	6	6
-23.75°	3	4	4	4	4	4	5	5	5	6	6
-25°	3	3	4	4	4	4	4	5	5	5	6
-26.25°	3	3	4	4	4	4	4	5	5	5	6
-27.5°	3	3	4	4	4	4	4	5	5	5	6
-28.75°	3	3	4	4	4	4	4	4	5	5	5
-30°	3	3	3	4	4	4	4	4	5	5	5
-31.25°	3	3	3	4	4	4	4	4	4	5	5
-32.5°	3	3	3	4	4	4	4	4	4	5	5
-33.75°	2	3	3	3	4	4	4	4	4	4	5
-35°	2	3	3	3	4	4	4	4	4	4	5
-36.25°	2	3	3	3	3	4	4	4	4	4	4
-37.5°	2	2	3	3	3	4	4	4	4	4	4
-38.75°	2	2	3	3	3	3	4	4	4	4	4
-40°	2	2	2	3	3	3	4	4	4	4	4
-41.25°	2	2	2	3	3	3	3	4	4	4	4
-42.5°	2	2	2	2	3	3	3	3	4	4	4
-43.75°	2	2	2	2	3	3	3	3	4	4	4
-45°	2	2	2	2	2	3	3	3	3	4	4
-46.25°	2	2	2	2	2	2	3	3	3	3	4
-47.5°	2	2	2	2	2	2	2	3	3	3	3
-48.75°	2	2	2	2	2	2	2	3	3	3	3
-50°	2	2	2	2	2	2	2	2	3	3	3
-51.25°	2	2	2	2	2	2	2	2	2	3	3
-52.5°	2	2	2	2	2	2	2	2	2	2	3
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	1	2	2	2	2	2	2	2	2	2	2
-65°	1	1	2	2	2	2	2	2	2	2	2
-66.25°	1	1	1	1	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	1	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	2	2
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	2	2	2	2
72.5°	1	1	1	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	3
60°	2	2	2	2	2	2	2	2	3	3	3
58.75°	2	2	2	2	2	2	3	3	3	3	3
57.5°	2	2	2	2	3	3	3	3	3	3	3
56.25°	2	2	2	3	3	3	3	3	3	4	4
55°	2	2	3	3	3	3	3	4	4	4	4
53.75°	3	3	3	3	3	3	4	4	4	4	4
52.5°	3	3	3	3	4	4	4	4	4	4	4
51.25°	3	3	3	4	4	4	4	4	4	4	4
50°	3	3	4	4	4	4	4	4	4	4	4
48.75°	3	4	4	4	4	4	4	4	4	4	5
47.5°	4	4	4	4	4	4	4	4	5	5	5
46.25°	4	4	4	4	4	4	4	5	5	5	5
45°	4	4	4	4	4	4	5	5	5	5	6
43.75°	4	4	4	4	4	5	5	5	5	6	6
42.5°	4	4	4	4	5	5	5	5	6	6	6
41.25°	4	4	4	5	5	5	5	6	6	6	6
40°	4	4	5	5	5	5	6	6	6	6	7
38.75°	4	5	5	5	5	6	6	6	6	7	7
37.5°	4	5	5	5	6	6	6	6	7	7	7
36.25°	5	5	5	6	6	6	6	7	7	7	8
35°	5	5	5	6	6	6	7	7	7	8	8



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	5	5	6	6	6	6	7	7	7	8	9
32.5°	5	6	6	6	6	7	7	7	8	8	9
31.25°	5	6	6	6	7	7	7	8	8	9	9
30°	6	6	6	6	7	7	8	8	9	9	9
28.75°	6	6	6	7	7	7	8	9	9	9	10
27.5°	6	6	7	7	7	8	8	9	9	10	10
26.25°	6	6	7	7	7	8	9	9	9	10	11
25°	6	6	7	7	8	8	9	9	10	11	11
23.75°	6	7	7	7	8	9	9	9	10	11	12
22.5°	6	7	7	8	8	9	9	10	11	12	15
21.25°	7	7	7	8	9	9	9	10	11	13	17
20°	7	7	8	8	9	9	10	11	12	15	20
18.75°	7	7	8	9	9	9	10	11	12	17	22
17.5°	7	7	8	9	9	9	10	11	14	19	24
16.25°	7	7	8	9	9	10	11	12	16	21	26
15°	7	8	8	9	9	10	11	13	18	23	28
13.75°	7	8	9	9	9	10	11	15	20	25	30
12.5°	7	8	9	9	10	11	12	16	21	26	31
11.25°	7	8	9	9	10	11	12	17	23	28	33
10°	8	8	9	9	10	11	13	19	24	29	34
8.75°	8	8	9	9	10	11	14	20	25	30	35
7.5°	8	9	9	9	10	11	15	21	26	31	37
6.25°	8	9	9	9	10	12	16	21	27	32	38
5°	8	9	9	10	11	12	16	22	27	32	39
3.75°	8	9	9	10	11	12	17	22	28	33	39
2.5°	8	9	9	10	11	12	17	23	28	33	40
1.25°	8	9	9	10	11	12	17	23	28	33	40
0°	8	9	9	10	11	12	18	23	28	34	40
-1.25°	8	9	9	10	11	12	17	23	28	33	40
-2.5°	8	9	9	10	11	12	17	23	28	33	40
-3.75°	8	9	9	10	11	12	17	22	28	33	39
-5°	8	9	9	10	11	12	16	22	27	32	39
-6.25°	8	9	9	9	10	12	16	21	27	32	38
-7.5°	8	9	9	9	10	11	15	21	26	31	37
-8.75°	8	8	9	9	10	11	14	20	25	30	35
-10°	8	8	9	9	10	11	13	19	24	29	34
-11.25°	7	8	9	9	10	11	12	17	23	28	33
-12.5°	7	8	9	9	10	11	12	16	21	26	31
-13.75°	7	8	9	9	9	10	11	15	20	25	30
-15°	7	8	8	9	9	10	11	13	18	23	28
-16.25°	7	7	8	9	9	10	11	12	16	21	26
-17.5°	7	7	8	9	9	9	10	11	14	19	24
-18.75°	7	7	8	9	9	9	10	11	12	17	22
-20°	7	7	8	8	9	9	10	11	12	15	20
-21.25°	7	7	7	8	9	9	9	10	11	13	17



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	6	7	7	8	8	9	9	10	11	12	15
-23.75°	6	7	7	7	8	9	9	9	10	11	12
-25°	6	6	7	7	8	8	9	9	10	11	11
-26.25°	6	6	7	7	7	8	9	9	9	10	11
-27.5°	6	6	7	7	7	8	8	9	9	10	10
-28.75°	6	6	6	7	7	7	8	9	9	9	10
-30°	6	6	6	6	7	7	8	8	9	9	9
-31.25°	5	6	6	6	7	7	7	8	8	9	9
-32.5°	5	6	6	6	6	7	7	7	8	8	9
-33.75°	5	5	6	6	6	6	7	7	7	8	9
-35°	5	5	5	6	6	6	7	7	7	8	8
-36.25°	5	5	5	6	6	6	6	7	7	7	8
-37.5°	4	5	5	5	6	6	6	6	7	7	7
-38.75°	4	5	5	5	5	6	6	6	6	7	7
-40°	4	4	5	5	5	5	6	6	6	6	7
-41.25°	4	4	4	5	5	5	5	6	6	6	6
-42.5°	4	4	4	4	5	5	5	5	6	6	6
-43.75°	4	4	4	4	4	5	5	5	5	6	6
-45°	4	4	4	4	4	4	5	5	5	5	6
-46.25°	4	4	4	4	4	4	4	5	5	5	5
-47.5°	4	4	4	4	4	4	4	4	5	5	5
-48.75°	3	4	4	4	4	4	4	4	4	4	5
-50°	3	3	4	4	4	4	4	4	4	4	4
-51.25°	3	3	3	4	4	4	4	4	4	4	4
-52.5°	3	3	3	3	4	4	4	4	4	4	4
-53.75°	3	3	3	3	3	3	4	4	4	4	4
-55°	2	2	3	3	3	3	3	4	4	4	4
-56.25°	2	2	2	3	3	3	3	3	3	4	4
-57.5°	2	2	2	2	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	3	3	3
-61.25°	2	2	2	2	2	2	2	2	2	2	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	1	2	2	2	2	2	2	2	2
-73.75°	1	1	1	1	1	1	1	2	2	2	2
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	3
63.75°	2	2	2	2	2	3	3	3	3	3	3
62.5°	2	2	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	4	4
60°	3	3	3	3	3	4	4	4	4	4	4
58.75°	3	3	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	5	5
53.75°	4	4	4	4	4	4	5	5	5	5	5
52.5°	4	4	4	4	5	5	5	5	5	5	5
51.25°	4	4	5	5	5	5	5	5	5	6	6
50°	5	5	5	5	5	5	6	6	6	6	6
48.75°	5	5	5	5	6	6	6	6	6	6	6
47.5°	5	5	6	6	6	6	6	6	6	7	7
46.25°	5	6	6	6	6	6	7	7	7	7	7
45°	6	6	6	6	6	7	7	7	7	7	8
43.75°	6	6	6	7	7	7	7	7	8	8	8
42.5°	6	6	7	7	7	7	8	8	8	9	9
41.25°	7	7	7	7	8	8	8	9	9	9	9
40°	7	7	7	8	8	9	9	9	9	9	10
38.75°	7	7	8	8	9	9	9	9	10	10	11
37.5°	8	8	8	9	9	9	10	10	11	11	12
36.25°	8	9	9	9	9	10	10	11	11	12	15
35°	9	9	9	9	10	10	11	12	14	17	19



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	9	9	9	10	11	11	12	15	18	21	24
32.5°	9	9	10	11	11	13	16	19	22	25	28
31.25°	9	10	11	11	13	17	20	23	26	29	32
30°	10	11	11	13	17	20	24	27	30	33	37
28.75°	10	11	13	17	20	24	27	31	34	38	42
27.5°	11	12	16	20	24	27	31	35	39	43	48
26.25°	12	15	19	23	27	31	35	39	44	50	65
25°	14	18	22	26	30	34	39	44	51	67	82
23.75°	17	21	25	29	33	38	43	50	67	83	110
22.5°	19	24	28	32	37	42	48	65	82	110	167
21.25°	22	26	31	35	41	46	61	79	103	164	223
20°	24	29	33	39	44	56	75	93	153	216	281
18.75°	27	31	36	42	49	68	87	136	202	267	347
17.5°	29	33	39	45	60	80	112	181	248	328	412
16.25°	31	36	42	50	71	91	153	223	300	388	476
15°	33	39	45	60	81	119	191	263	353	445	535
13.75°	35	41	47	69	90	153	227	311	404	499	587
12.5°	37	43	55	77	109	185	260	355	452	547	632
11.25°	39	45	62	84	137	214	299	397	497	590	673
10°	40	47	69	91	162	240	334	435	536	627	703
8.75°	42	52	75	105	185	265	366	470	570	658	729
7.5°	43	57	80	124	205	291	395	500	599	684	747
6.25°	44	61	84	140	221	314	419	526	622	703	761
5°	45	65	88	153	235	333	439	546	641	719	772
3.75°	46	67	91	164	246	347	455	561	655	731	782
2.5°	47	69	93	171	254	358	467	572	666	738	788
1.25°	47	70	94	176	259	364	474	579	672	742	792
0°	47	71	94	177	260	367	476	581	674	743	794
-1.25°	47	70	94	176	259	364	474	579	672	742	792
-2.5°	47	69	93	171	254	358	467	572	666	738	788
-3.75°	46	67	91	164	246	347	455	561	655	731	782
-5°	45	65	88	153	235	333	439	546	641	719	772
-6.25°	44	61	84	140	221	314	419	526	622	703	761
-7.5°	43	57	80	124	205	291	395	500	599	684	747
-8.75°	42	52	75	105	185	265	366	470	570	658	729
-10°	40	47	69	91	162	240	334	435	536	627	703
-11.25°	39	45	62	84	137	214	299	397	497	590	673
-12.5°	37	43	55	77	109	185	260	355	452	547	632
-13.75°	35	41	47	69	90	153	227	311	404	499	587
-15°	33	39	45	60	81	119	191	263	353	445	535
-16.25°	31	36	42	50	71	91	153	223	300	388	476
-17.5°	29	33	39	45	60	80	112	181	248	328	412
-18.75°	27	31	36	42	49	68	87	136	202	267	347
-20°	24	29	33	39	44	56	75	93	153	216	281
-21.25°	22	26	31	35	41	46	61	79	103	164	223



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	19	24	28	32	37	42	48	65	82	110	167
-23.75°	17	21	25	29	33	38	43	50	67	83	110
-25°	14	18	22	26	30	34	39	44	51	67	82
-26.25°	12	15	19	23	27	31	35	39	44	50	65
-27.5°	11	12	16	20	24	27	31	35	39	43	48
-28.75°	10	11	13	17	20	24	27	31	34	38	42
-30°	10	11	11	13	17	20	24	27	30	33	37
-31.25°	9	10	11	11	13	17	20	23	26	29	32
-32.5°	9	9	10	11	11	13	16	19	22	25	28
-33.75°	9	9	9	10	11	11	12	15	18	21	24
-35°	9	9	9	9	10	10	11	12	14	17	19
-36.25°	8	9	9	9	9	10	10	11	11	12	15
-37.5°	8	8	8	9	9	9	10	10	11	11	12
-38.75°	7	7	8	8	9	9	9	9	10	10	11
-40°	7	7	7	8	8	9	9	9	9	9	10
-41.25°	7	7	7	7	8	8	8	9	9	9	9
-42.5°	6	6	7	7	7	7	8	8	8	9	9
-43.75°	6	6	6	7	7	7	7	7	8	8	8
-45°	6	6	6	6	6	7	7	7	7	7	8
-46.25°	5	6	6	6	6	6	7	7	7	7	7
-47.5°	5	5	6	6	6	6	6	6	6	7	7
-48.75°	5	5	5	5	6	6	6	6	6	6	6
-50°	5	5	5	5	5	5	6	6	6	6	6
-51.25°	4	4	5	5	5	5	5	5	5	6	6
-52.5°	4	4	4	4	5	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	4	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	3	3	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	3	3	3	4	4
-62.5°	2	2	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	3	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	3
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	1	1	1	2	2	2	2
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	3	3	3	3	3	3
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	4	4	4	4	4	4	4	4
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	5	5	5	5
56.25°	4	4	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	5	5	5	5
53.75°	5	5	5	5	5	6	6	6	6	6	6
52.5°	5	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	7	7	7
50°	6	6	6	6	7	7	7	7	7	7	7
48.75°	7	7	7	7	7	7	7	7	7	8	8
47.5°	7	7	7	7	7	8	8	8	8	8	8
46.25°	7	8	8	8	8	8	9	9	9	9	9
45°	8	8	9	9	9	9	9	9	9	9	9
43.75°	9	9	9	9	9	9	9	10	10	10	10
42.5°	9	9	9	9	10	10	10	11	11	11	11
41.25°	9	10	10	10	11	11	11	12	12	13	14
40°	10	11	11	11	12	13	15	16	17	19	20
38.75°	11	12	12	14	16	18	20	21	23	24	25
37.5°	13	15	17	19	21	23	25	26	28	29	30
36.25°	17	20	22	24	26	28	30	31	33	34	35
35°	22	24	27	29	31	33	35	37	39	40	42



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	26	29	31	33	36	39	41	43	45	47	52
32.5°	31	33	36	39	42	45	47	55	62	69	75
31.25°	35	39	42	45	50	60	69	77	84	91	105
30°	41	44	49	60	71	81	90	109	137	162	185
28.75°	46	56	68	80	91	119	153	185	214	240	265
27.5°	61	75	87	112	153	191	227	260	299	334	366
26.25°	79	93	136	181	223	263	311	355	397	435	470
25°	103	153	202	248	300	353	404	452	497	536	570
23.75°	164	216	267	328	388	445	499	547	590	627	658
22.5°	223	281	347	412	476	535	587	632	673	703	729
21.25°	286	357	428	497	559	616	664	703	736	758	777
20°	357	433	507	574	634	685	726	755	780	803	828
18.75°	428	507	579	643	697	739	769	797	828	862	901
17.5°	497	574	643	700	745	778	809	849	895	944	1002
16.25°	559	634	697	745	780	815	862	919	984	1053	1138
15°	616	685	739	778	815	866	931	1009	1100	1199	1312
13.75°	664	726	769	809	862	931	1018	1123	1246	1379	1533
12.5°	703	755	797	849	919	1009	1123	1261	1421	1600	1783
11.25°	736	780	828	895	984	1100	1246	1421	1625	1835	2061
10°	758	803	862	944	1053	1199	1379	1600	1835	2093	2352
8.75°	777	828	901	1002	1138	1312	1533	1783	2061	2352	2647
7.5°	795	854	939	1055	1218	1427	1682	1967	2279	2605	2936
6.25°	810	878	979	1117	1301	1540	1818	2138	2481	2842	3204
5°	825	904	1015	1168	1371	1641	1948	2293	2665	3053	3442
3.75°	839	924	1043	1213	1442	1725	2054	2418	2816	3227	3637
2.5°	849	939	1067	1250	1493	1787	2132	2516	2930	3358	3783
1.25°	855	948	1083	1273	1524	1825	2183	2577	3001	3439	3872
0°	857	951	1089	1280	1534	1837	2200	2597	3025	3466	3902
-1.25°	855	948	1083	1273	1524	1825	2183	2577	3001	3439	3872
-2.5°	849	939	1067	1250	1493	1787	2132	2516	2930	3358	3783
-3.75°	839	924	1043	1213	1442	1725	2054	2418	2816	3227	3637
-5°	825	904	1015	1168	1371	1641	1948	2293	2665	3053	3442
-6.25°	810	878	979	1117	1301	1540	1818	2138	2481	2842	3204
-7.5°	795	854	939	1055	1218	1427	1682	1967	2279	2605	2936
-8.75°	777	828	901	1002	1138	1312	1533	1783	2061	2352	2647
-10°	758	803	862	944	1053	1199	1379	1600	1835	2093	2352
-11.25°	736	780	828	895	984	1100	1246	1421	1625	1835	2061
-12.5°	703	755	797	849	919	1009	1123	1261	1421	1600	1783
-13.75°	664	726	769	809	862	931	1018	1123	1246	1379	1533
-15°	616	685	739	778	815	866	931	1009	1100	1199	1312
-16.25°	559	634	697	745	780	815	862	919	984	1053	1138
-17.5°	497	574	643	700	745	778	809	849	895	944	1002
-18.75°	428	507	579	643	697	739	769	797	828	862	901
-20°	357	433	507	574	634	685	726	755	780	803	828
-21.25°	286	357	428	497	559	616	664	703	736	758	777



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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	281	347	412	476	535	587	632	673	703	729
-23.75°	164	216	267	328	388	445	499	547	590	627	658
-25°	103	153	202	248	300	353	404	452	497	536	570
-26.25°	79	93	136	181	223	263	311	355	397	435	470
-27.5°	61	75	87	112	153	191	227	260	299	334	366
-28.75°	46	56	68	80	91	119	153	185	214	240	265
-30°	41	44	49	60	71	81	90	109	137	162	185
-31.25°	35	39	42	45	50	60	69	77	84	91	105
-32.5°	31	33	36	39	42	45	47	55	62	69	75
-33.75°	26	29	31	33	36	39	41	43	45	47	52
-35°	22	24	27	29	31	33	35	37	39	40	42
-36.25°	17	20	22	24	26	28	30	31	33	34	35
-37.5°	13	15	17	19	21	23	25	26	28	29	30
-38.75°	11	12	12	14	16	18	20	21	23	24	25
-40°	10	11	11	11	12	13	15	16	17	19	20
-41.25°	9	10	10	10	11	11	11	12	12	13	14
-42.5°	9	9	9	9	10	10	10	11	11	11	11
-43.75°	9	9	9	9	9	9	9	10	10	10	10
-45°	8	8	9	9	9	9	9	9	9	9	9
-46.25°	7	8	8	8	8	8	9	9	9	9	9
-47.5°	7	7	7	7	7	8	8	8	8	8	8
-48.75°	7	7	7	7	7	7	7	7	7	8	8
-50°	6	6	6	6	7	7	7	7	7	7	7
-51.25°	6	6	6	6	6	6	6	6	7	7	7
-52.5°	5	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	6	6	6	6	6	6
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	4	4	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	4	4	4	4	4	4	4	4
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	2	2	2	2	2	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	1	1	1	1	1	1	1	2	2	2	2



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	3	3	3	3	3	3	3	3	3
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	4	4	4	4	4	4	4	4	4	4	4
62.5°	4	4	4	4	4	4	4	4	4	4	4
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	5	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	7	7	7	7	7	7	7	7	7	7	7
50°	7	7	7	7	7	7	7	7	7	7	7
48.75°	8	8	8	8	8	8	8	8	8	8	8
47.5°	9	9	9	9	9	9	9	9	9	9	9
46.25°	9	9	9	9	9	9	9	9	9	9	9
45°	9	9	10	10	10	10	10	10	10	10	10
43.75°	10	10	11	11	11	11	11	11	11	11	11
42.5°	11	12	12	12	12	12	12	12	12	12	12
41.25°	15	16	16	17	17	17	18	17	17	17	16
40°	21	21	22	22	23	23	23	23	23	22	22
38.75°	26	27	27	28	28	28	28	28	28	28	27
37.5°	31	32	32	33	33	33	34	33	33	33	32
36.25°	37	38	39	39	40	40	40	40	40	39	39
35°	43	44	45	46	47	47	47	47	47	46	45



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	57	61	65	67	69	70	71	70	69	67	65
32.5°	80	84	88	91	93	94	94	94	93	91	88
31.25°	124	140	153	164	171	176	177	176	171	164	153
30°	205	221	235	246	254	259	260	259	254	246	235
28.75°	291	314	333	347	358	364	367	364	358	347	333
27.5°	395	419	439	455	467	474	476	474	467	455	439
26.25°	500	526	546	561	572	579	581	579	572	561	546
25°	599	622	641	655	666	672	674	672	666	655	641
23.75°	684	703	719	731	738	742	743	742	738	731	719
22.5°	747	761	772	782	788	792	794	792	788	782	772
21.25°	795	810	825	839	849	855	857	855	849	839	825
20°	854	878	904	924	939	948	951	948	939	924	904
18.75°	939	979	1015	1043	1067	1083	1089	1083	1067	1043	1015
17.5°	1055	1117	1168	1213	1250	1273	1280	1273	1250	1213	1168
16.25°	1218	1301	1371	1442	1493	1524	1534	1524	1493	1442	1371
15°	1427	1540	1641	1725	1787	1825	1837	1825	1787	1725	1641
13.75°	1682	1818	1948	2054	2132	2183	2200	2183	2132	2054	1948
12.5°	1967	2138	2293	2418	2516	2577	2597	2577	2516	2418	2293
11.25°	2279	2481	2665	2816	2930	3001	3025	3001	2930	2816	2665
10°	2605	2842	3053	3227	3358	3439	3466	3439	3358	3227	3053
8.75°	2936	3204	3442	3637	3783	3872	3902	3872	3783	3637	3442
7.5°	3256	3553	3815	4026	4184	4277	4309	4277	4184	4026	3815
6.25°	3553	3874	4155	4375	4536	4632	4666	4632	4536	4375	4155
5°	3815	4155	4442	4666	4827	4926	4961	4926	4827	4666	4442
3.75°	4026	4375	4666	4892	5054	5156	5187	5156	5054	4892	4666
2.5°	4184	4536	4827	5054	5220	5319	5345	5319	5220	5054	4827
1.25°	4277	4632	4926	5156	5319	5403	5433	5403	5319	5156	4926
0°	4309	4666	4961	5187	5345	5433	5480	5433	5345	5187	4961
-1.25°	4277	4632	4926	5156	5319	5403	5433	5403	5319	5156	4926
-2.5°	4184	4536	4827	5054	5220	5319	5345	5319	5220	5054	4827
-3.75°	4026	4375	4666	4892	5054	5156	5187	5156	5054	4892	4666
-5°	3815	4155	4442	4666	4827	4926	4961	4926	4827	4666	4442
-6.25°	3553	3874	4155	4375	4536	4632	4666	4632	4536	4375	4155
-7.5°	3256	3553	3815	4026	4184	4277	4309	4277	4184	4026	3815
-8.75°	2936	3204	3442	3637	3783	3872	3902	3872	3783	3637	3442
-10°	2605	2842	3053	3227	3358	3439	3466	3439	3358	3227	3053
-11.25°	2279	2481	2665	2816	2930	3001	3025	3001	2930	2816	2665
-12.5°	1967	2138	2293	2418	2516	2577	2597	2577	2516	2418	2293
-13.75°	1682	1818	1948	2054	2132	2183	2200	2183	2132	2054	1948
-15°	1427	1540	1641	1725	1787	1825	1837	1825	1787	1725	1641
-16.25°	1218	1301	1371	1442	1493	1524	1534	1524	1493	1442	1371
-17.5°	1055	1117	1168	1213	1250	1273	1280	1273	1250	1213	1168
-18.75°	939	979	1015	1043	1067	1083	1089	1083	1067	1043	1015
-20°	854	878	904	924	939	948	951	948	939	924	904
-21.25°	795	810	825	839	849	855	857	855	849	839	825



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	747	761	772	782	788	792	794	792	788	782	772
-23.75°	684	703	719	731	738	742	743	742	738	731	719
-25°	599	622	641	655	666	672	674	672	666	655	641
-26.25°	500	526	546	561	572	579	581	579	572	561	546
-27.5°	395	419	439	455	467	474	476	474	467	455	439
-28.75°	291	314	333	347	358	364	367	364	358	347	333
-30°	205	221	235	246	254	259	260	259	254	246	235
-31.25°	124	140	153	164	171	176	177	176	171	164	153
-32.5°	80	84	88	91	93	94	94	94	93	91	88
-33.75°	57	61	65	67	69	70	71	70	69	67	65
-35°	43	44	45	46	47	47	47	47	47	46	45
-36.25°	37	38	39	39	40	40	40	40	40	39	39
-37.5°	31	32	32	33	33	33	34	33	33	33	32
-38.75°	26	27	27	28	28	28	28	28	28	28	27
-40°	21	21	22	22	23	23	23	23	23	22	22
-41.25°	15	16	16	17	17	17	18	17	17	17	16
-42.5°	11	12	12	12	12	12	12	12	12	12	12
-43.75°	10	10	11	11	11	11	11	11	11	11	11
-45°	9	9	10	10	10	10	10	10	10	10	10
-46.25°	9	9	9	9	9	9	9	9	9	9	9
-47.5°	9	9	9	9	9	9	9	9	9	9	9
-48.75°	8	8	8	8	8	8	8	8	8	8	8
-50°	7	7	7	7	7	7	7	7	7	7	7
-51.25°	7	7	7	7	7	7	7	7	7	7	7
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	6	6	6
-55°	5	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-63.75°	4	4	4	4	4	4	4	4	4	4	4
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	3	3	3	3	3	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	2	2	2	2	2	2	1	1	1	1	1
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	3	3	3	3	3	3	2	2	2
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	4	4	3	3	3	3	3	3	3	3	3
62.5°	4	4	4	4	4	4	4	4	4	4	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	4	4	4	4	4
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	6	5	5	5	5	5	5	5	5	5	5
53.75°	6	6	6	6	6	6	6	6	5	5	5
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	7	7	7	7	7	6	6	6	6	6	6
50°	7	7	7	7	7	7	7	7	7	6	6
48.75°	8	8	8	8	7	7	7	7	7	7	7
47.5°	9	9	8	8	8	8	8	8	7	7	7
46.25°	9	9	9	9	9	9	9	8	8	8	8
45°	9	9	9	9	9	9	9	9	9	9	9
43.75°	10	10	10	10	10	10	9	9	9	9	9
42.5°	12	11	11	11	11	11	10	10	10	9	9
41.25°	16	15	14	13	12	12	11	11	11	10	10
40°	21	21	20	19	17	16	15	13	12	11	11
38.75°	27	26	25	24	23	21	20	18	16	14	12
37.5°	32	31	30	29	28	26	25	23	21	19	17
36.25°	38	37	35	34	33	31	30	28	26	24	22
35°	44	43	42	40	39	37	35	33	31	29	27



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	61	57	52	47	45	43	41	39	36	33	31
32.5°	84	80	75	69	62	55	47	45	42	39	36
31.25°	140	124	105	91	84	77	69	60	50	45	42
30°	221	205	185	162	137	109	90	81	71	60	49
28.75°	314	291	265	240	214	185	153	119	91	80	68
27.5°	419	395	366	334	299	260	227	191	153	112	87
26.25°	526	500	470	435	397	355	311	263	223	181	136
25°	622	599	570	536	497	452	404	353	300	248	202
23.75°	703	684	658	627	590	547	499	445	388	328	267
22.5°	761	747	729	703	673	632	587	535	476	412	347
21.25°	810	795	777	758	736	703	664	616	559	497	428
20°	878	854	828	803	780	755	726	685	634	574	507
18.75°	979	939	901	862	828	797	769	739	697	643	579
17.5°	1117	1055	1002	944	895	849	809	778	745	700	643
16.25°	1301	1218	1138	1053	984	919	862	815	780	745	697
15°	1540	1427	1312	1199	1100	1009	931	866	815	778	739
13.75°	1818	1682	1533	1379	1246	1123	1018	931	862	809	769
12.5°	2138	1967	1783	1600	1421	1261	1123	1009	919	849	797
11.25°	2481	2279	2061	1835	1625	1421	1246	1100	984	895	828
10°	2842	2605	2352	2093	1835	1600	1379	1199	1053	944	862
8.75°	3204	2936	2647	2352	2061	1783	1533	1312	1138	1002	901
7.5°	3553	3256	2936	2605	2279	1967	1682	1427	1218	1055	939
6.25°	3874	3553	3204	2842	2481	2138	1818	1540	1301	1117	979
5°	4155	3815	3442	3053	2665	2293	1948	1641	1371	1168	1015
3.75°	4375	4026	3637	3227	2816	2418	2054	1725	1442	1213	1043
2.5°	4536	4184	3783	3358	2930	2516	2132	1787	1493	1250	1067
1.25°	4632	4277	3872	3439	3001	2577	2183	1825	1524	1273	1083
0°	4666	4309	3902	3466	3025	2597	2200	1837	1534	1280	1089
-1.25°	4632	4277	3872	3439	3001	2577	2183	1825	1524	1273	1083
-2.5°	4536	4184	3783	3358	2930	2516	2132	1787	1493	1250	1067
-3.75°	4375	4026	3637	3227	2816	2418	2054	1725	1442	1213	1043
-5°	4155	3815	3442	3053	2665	2293	1948	1641	1371	1168	1015
-6.25°	3874	3553	3204	2842	2481	2138	1818	1540	1301	1117	979
-7.5°	3553	3256	2936	2605	2279	1967	1682	1427	1218	1055	939
-8.75°	3204	2936	2647	2352	2061	1783	1533	1312	1138	1002	901
-10°	2842	2605	2352	2093	1835	1600	1379	1199	1053	944	862
-11.25°	2481	2279	2061	1835	1625	1421	1246	1100	984	895	828
-12.5°	2138	1967	1783	1600	1421	1261	1123	1009	919	849	797
-13.75°	1818	1682	1533	1379	1246	1123	1018	931	862	809	769
-15°	1540	1427	1312	1199	1100	1009	931	866	815	778	739
-16.25°	1301	1218	1138	1053	984	919	862	815	780	745	697
-17.5°	1117	1055	1002	944	895	849	809	778	745	700	643
-18.75°	979	939	901	862	828	797	769	739	697	643	579
-20°	878	854	828	803	780	755	726	685	634	574	507
-21.25°	810	795	777	758	736	703	664	616	559	497	428



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	761	747	729	703	673	632	587	535	476	412	347
-23.75°	703	684	658	627	590	547	499	445	388	328	267
-25°	622	599	570	536	497	452	404	353	300	248	202
-26.25°	526	500	470	435	397	355	311	263	223	181	136
-27.5°	419	395	366	334	299	260	227	191	153	112	87
-28.75°	314	291	265	240	214	185	153	119	91	80	68
-30°	221	205	185	162	137	109	90	81	71	60	49
-31.25°	140	124	105	91	84	77	69	60	50	45	42
-32.5°	84	80	75	69	62	55	47	45	42	39	36
-33.75°	61	57	52	47	45	43	41	39	36	33	31
-35°	44	43	42	40	39	37	35	33	31	29	27
-36.25°	38	37	35	34	33	31	30	28	26	24	22
-37.5°	32	31	30	29	28	26	25	23	21	19	17
-38.75°	27	26	25	24	23	21	20	18	16	14	12
-40°	21	21	20	19	17	16	15	13	12	11	11
-41.25°	16	15	14	13	12	12	11	11	11	10	10
-42.5°	12	11	11	11	11	11	10	10	10	9	9
-43.75°	10	10	10	10	10	10	9	9	9	9	9
-45°	9	9	9	9	9	9	9	9	9	9	9
-46.25°	9	9	9	9	9	9	9	8	8	8	8
-47.5°	9	9	8	8	8	8	8	8	7	7	7
-48.75°	8	8	8	8	7	7	7	7	7	7	7
-50°	7	7	7	7	7	7	7	7	7	6	6
-51.25°	7	7	7	7	7	6	6	6	6	6	6
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	5	5	5
-55°	6	5	5	5	5	5	5	5	5	5	5
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	3
-63.75°	4	4	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	3	3	3	3	3	3	3	3	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	1	1	1	1	1



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	2	2	2	2	2	2	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	3	3	3	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	3	3	3	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	3	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	4	3	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	4	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	4	4	4	4
52.5°	6	5	5	5	5	5	5	5	5	4	4
51.25°	6	6	6	6	5	5	5	5	5	5	5
50°	6	6	6	6	6	6	6	5	5	5	5
48.75°	7	7	6	6	6	6	6	6	6	5	5
47.5°	7	7	7	7	6	6	6	6	6	6	6
46.25°	8	7	7	7	7	7	7	6	6	6	6
45°	8	8	8	7	7	7	7	7	6	6	6
43.75°	9	9	8	8	8	7	7	7	7	7	6
42.5°	9	9	9	9	8	8	8	7	7	7	7
41.25°	10	9	9	9	9	9	8	8	8	7	7
40°	11	10	10	9	9	9	9	9	8	8	7
38.75°	12	11	11	10	10	9	9	9	9	8	8
37.5°	15	13	12	11	11	10	10	9	9	9	8
36.25°	20	17	15	12	11	11	10	10	9	9	9
35°	24	22	19	17	14	12	11	10	10	9	9



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	29	26	24	21	18	15	12	11	11	10	9
32.5°	33	31	28	25	22	19	16	13	11	11	10
31.25°	39	35	32	29	26	23	20	17	13	11	11
30°	44	41	37	33	30	27	24	20	17	13	11
28.75°	56	46	42	38	34	31	27	24	20	17	13
27.5°	75	61	48	43	39	35	31	27	24	20	16
26.25°	93	79	65	50	44	39	35	31	27	23	19
25°	153	103	82	67	51	44	39	34	30	26	22
23.75°	216	164	110	83	67	50	43	38	33	29	25
22.5°	281	223	167	110	82	65	48	42	37	32	28
21.25°	357	286	223	164	103	79	61	46	41	35	31
20°	433	357	281	216	153	93	75	56	44	39	33
18.75°	507	428	347	267	202	136	87	68	49	42	36
17.5°	574	497	412	328	248	181	112	80	60	45	39
16.25°	634	559	476	388	300	223	153	91	71	50	42
15°	685	616	535	445	353	263	191	119	81	60	45
13.75°	726	664	587	499	404	311	227	153	90	69	47
12.5°	755	703	632	547	452	355	260	185	109	77	55
11.25°	780	736	673	590	497	397	299	214	137	84	62
10°	803	758	703	627	536	435	334	240	162	91	69
8.75°	828	777	729	658	570	470	366	265	185	105	75
7.5°	854	795	747	684	599	500	395	291	205	124	80
6.25°	878	810	761	703	622	526	419	314	221	140	84
5°	904	825	772	719	641	546	439	333	235	153	88
3.75°	924	839	782	731	655	561	455	347	246	164	91
2.5°	939	849	788	738	666	572	467	358	254	171	93
1.25°	948	855	792	742	672	579	474	364	259	176	94
0°	951	857	794	743	674	581	476	367	260	177	94
-1.25°	948	855	792	742	672	579	474	364	259	176	94
-2.5°	939	849	788	738	666	572	467	358	254	171	93
-3.75°	924	839	782	731	655	561	455	347	246	164	91
-5°	904	825	772	719	641	546	439	333	235	153	88
-6.25°	878	810	761	703	622	526	419	314	221	140	84
-7.5°	854	795	747	684	599	500	395	291	205	124	80
-8.75°	828	777	729	658	570	470	366	265	185	105	75
-10°	803	758	703	627	536	435	334	240	162	91	69
-11.25°	780	736	673	590	497	397	299	214	137	84	62
-12.5°	755	703	632	547	452	355	260	185	109	77	55
-13.75°	726	664	587	499	404	311	227	153	90	69	47
-15°	685	616	535	445	353	263	191	119	81	60	45
-16.25°	634	559	476	388	300	223	153	91	71	50	42
-17.5°	574	497	412	328	248	181	112	80	60	45	39
-18.75°	507	428	347	267	202	136	87	68	49	42	36
-20°	433	357	281	216	153	93	75	56	44	39	33
-21.25°	357	286	223	164	103	79	61	46	41	35	31



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	281	223	167	110	82	65	48	42	37	32	28
-23.75°	216	164	110	83	67	50	43	38	33	29	25
-25°	153	103	82	67	51	44	39	34	30	26	22
-26.25°	93	79	65	50	44	39	35	31	27	23	19
-27.5°	75	61	48	43	39	35	31	27	24	20	16
-28.75°	56	46	42	38	34	31	27	24	20	17	13
-30°	44	41	37	33	30	27	24	20	17	13	11
-31.25°	39	35	32	29	26	23	20	17	13	11	11
-32.5°	33	31	28	25	22	19	16	13	11	11	10
-33.75°	29	26	24	21	18	15	12	11	11	10	9
-35°	24	22	19	17	14	12	11	10	10	9	9
-36.25°	20	17	15	12	11	11	10	10	9	9	9
-37.5°	15	13	12	11	11	10	10	9	9	9	8
-38.75°	12	11	11	10	10	9	9	9	9	8	8
-40°	11	10	10	9	9	9	9	9	8	8	7
-41.25°	10	9	9	9	9	9	8	8	8	7	7
-42.5°	9	9	9	9	8	8	8	7	7	7	7
-43.75°	9	9	8	8	8	7	7	7	7	7	6
-45°	8	8	8	7	7	7	7	7	6	6	6
-46.25°	8	7	7	7	7	7	7	6	6	6	6
-47.5°	7	7	7	7	6	6	6	6	6	6	6
-48.75°	7	7	6	6	6	6	6	6	6	5	5
-50°	6	6	6	6	6	6	6	5	5	5	5
-51.25°	6	6	6	6	5	5	5	5	5	5	5
-52.5°	6	5	5	5	5	5	5	5	5	4	4
-53.75°	5	5	5	5	5	5	5	4	4	4	4
-55°	5	5	5	5	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	3	3	3
-61.25°	4	4	4	4	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	2	2	2
-65°	3	3	3	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	1	1	0	0	0	0	0	0	0	0	0
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	1	1	1	1	1	1	1	1	1
73.75°	2	2	2	2	2	2	1	1	1	1	1
72.5°	2	2	2	2	2	2	2	2	2	2	1
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	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°	3	3	3	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	2	2	2	2
57.5°	4	4	3	3	3	3	3	3	3	2	2
56.25°	4	4	4	4	3	3	3	3	3	3	2
55°	4	4	4	4	4	4	3	3	3	3	3
53.75°	4	4	4	4	4	4	4	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	4	3	3
51.25°	4	4	4	4	4	4	4	4	4	4	3
50°	5	5	4	4	4	4	4	4	4	4	4
48.75°	5	5	5	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	4	4	4	4	4	4
46.25°	6	5	5	5	5	5	4	4	4	4	4
45°	6	6	6	5	5	5	5	4	4	4	4
43.75°	6	6	6	6	5	5	5	5	4	4	4
42.5°	6	6	6	6	6	5	5	5	5	4	4
41.25°	7	7	6	6	6	6	5	5	5	5	4
40°	7	7	7	6	6	6	6	5	5	5	5
38.75°	7	7	7	7	6	6	6	6	5	5	5
37.5°	8	8	7	7	7	6	6	6	6	5	5
36.25°	9	8	8	7	7	7	6	6	6	6	5
35°	9	9	8	8	7	7	7	6	6	6	5



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	9	9	9	8	7	7	7	6	6	6	6
32.5°	9	9	9	8	8	7	7	7	6	6	6
31.25°	10	9	9	9	8	8	7	7	7	6	6
30°	11	10	9	9	9	8	8	7	7	6	6
28.75°	11	10	10	9	9	9	8	7	7	7	6
27.5°	12	11	10	10	9	9	8	8	7	7	7
26.25°	15	12	11	10	9	9	9	8	7	7	7
25°	18	14	11	11	10	9	9	8	8	7	7
23.75°	21	17	12	11	10	9	9	9	8	7	7
22.5°	24	19	15	12	11	10	9	9	8	8	7
21.25°	26	22	17	13	11	10	9	9	9	8	7
20°	29	24	20	15	12	11	10	9	9	8	8
18.75°	31	27	22	17	12	11	10	9	9	9	8
17.5°	33	29	24	19	14	11	10	9	9	9	8
16.25°	36	31	26	21	16	12	11	10	9	9	8
15°	39	33	28	23	18	13	11	10	9	9	8
13.75°	41	35	30	25	20	15	11	10	9	9	9
12.5°	43	37	31	26	21	16	12	11	10	9	9
11.25°	45	39	33	28	23	17	12	11	10	9	9
10°	47	40	34	29	24	19	13	11	10	9	9
8.75°	52	42	35	30	25	20	14	11	10	9	9
7.5°	57	43	37	31	26	21	15	11	10	9	9
6.25°	61	44	38	32	27	21	16	12	10	9	9
5°	65	45	39	32	27	22	16	12	11	10	9
3.75°	67	46	39	33	28	22	17	12	11	10	9
2.5°	69	47	40	33	28	23	17	12	11	10	9
1.25°	70	47	40	33	28	23	17	12	11	10	9
0°	71	47	40	34	28	23	18	12	11	10	9
-1.25°	70	47	40	33	28	23	17	12	11	10	9
-2.5°	69	47	40	33	28	23	17	12	11	10	9
-3.75°	67	46	39	33	28	22	17	12	11	10	9
-5°	65	45	39	32	27	22	16	12	11	10	9
-6.25°	61	44	38	32	27	21	16	12	10	9	9
-7.5°	57	43	37	31	26	21	15	11	10	9	9
-8.75°	52	42	35	30	25	20	14	11	10	9	9
-10°	47	40	34	29	24	19	13	11	10	9	9
-11.25°	45	39	33	28	23	17	12	11	10	9	9
-12.5°	43	37	31	26	21	16	12	11	10	9	9
-13.75°	41	35	30	25	20	15	11	10	9	9	9
-15°	39	33	28	23	18	13	11	10	9	9	8
-16.25°	36	31	26	21	16	12	11	10	9	9	8
-17.5°	33	29	24	19	14	11	10	9	9	9	8
-18.75°	31	27	22	17	12	11	10	9	9	9	8
-20°	29	24	20	15	12	11	10	9	9	8	8
-21.25°	26	22	17	13	11	10	9	9	9	8	7



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	24	19	15	12	11	10	9	9	8	8	7
-23.75°	21	17	12	11	10	9	9	9	8	7	7
-25°	18	14	11	11	10	9	9	8	8	7	7
-26.25°	15	12	11	10	9	9	9	8	7	7	7
-27.5°	12	11	10	10	9	9	8	8	7	7	7
-28.75°	11	10	10	9	9	9	8	7	7	7	6
-30°	11	10	9	9	9	8	8	7	7	6	6
-31.25°	10	9	9	9	8	8	7	7	7	6	6
-32.5°	9	9	9	8	8	7	7	7	6	6	6
-33.75°	9	9	9	8	7	7	7	6	6	6	6
-35°	9	9	8	8	7	7	7	6	6	6	5
-36.25°	9	8	8	7	7	7	6	6	6	6	5
-37.5°	8	8	7	7	7	6	6	6	6	5	5
-38.75°	7	7	7	7	6	6	6	6	5	5	5
-40°	7	7	7	6	6	6	6	5	5	5	5
-41.25°	7	7	6	6	6	6	5	5	5	5	4
-42.5°	6	6	6	6	6	5	5	5	5	4	4
-43.75°	6	6	6	6	5	5	5	5	4	4	4
-45°	6	6	6	5	5	5	5	4	4	4	4
-46.25°	6	5	5	5	5	5	4	4	4	4	4
-47.5°	5	5	5	5	5	4	4	4	4	4	4
-48.75°	5	5	5	4	4	4	4	4	4	4	4
-50°	5	5	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	3
-52.5°	4	4	4	4	4	4	4	4	4	3	3
-53.75°	4	4	4	4	4	4	4	3	3	3	3
-55°	4	4	4	4	4	4	3	3	3	3	3
-56.25°	4	4	4	4	3	3	3	3	3	3	2
-57.5°	4	4	3	3	3	3	3	3	3	2	2
-58.75°	3	3	3	3	3	3	3	2	2	2	2
-60°	3	3	3	3	3	2	2	2	2	2	2
-61.25°	3	3	3	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	1
-73.75°	2	2	2	2	2	2	1	1	1	1	1
-75°	2	2	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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	1	1	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	0	0	0
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	2	2	1	1	1	1	1	1	1	1	1
70°	2	2	2	2	1	1	1	1	1	1	1
68.75°	2	2	2	2	2	2	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	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°	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	2	2	2	2	2	2	2	2	2
52.5°	3	3	3	2	2	2	2	2	2	2	2
51.25°	3	3	3	3	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	2	2	2	2	2
47.5°	4	4	3	3	3	3	2	2	2	2	2
46.25°	4	4	4	3	3	3	3	2	2	2	2
45°	4	4	4	4	3	3	3	3	2	2	2
43.75°	4	4	4	4	4	3	3	3	3	2	2
42.5°	4	4	4	4	4	3	3	3	3	2	2
41.25°	4	4	4	4	4	4	3	3	3	3	2
40°	4	4	4	4	4	4	4	3	3	3	2
38.75°	5	4	4	4	4	4	4	3	3	3	3
37.5°	5	4	4	4	4	4	4	4	3	3	3
36.25°	5	5	4	4	4	4	4	4	3	3	3
35°	5	5	5	4	4	4	4	4	4	3	3



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	5	5	5	4	4	4	4	4	4	3	3
32.5°	6	5	5	5	4	4	4	4	4	4	3
31.25°	6	5	5	5	4	4	4	4	4	4	3
30°	6	6	5	5	5	4	4	4	4	4	3
28.75°	6	6	5	5	5	4	4	4	4	4	4
27.5°	6	6	6	5	5	5	4	4	4	4	4
26.25°	6	6	6	5	5	5	4	4	4	4	4
25°	6	6	6	5	5	5	4	4	4	4	4
23.75°	7	6	6	6	5	5	5	4	4	4	4
22.5°	7	6	6	6	5	5	5	4	4	4	4
21.25°	7	7	6	6	5	5	5	4	4	4	4
20°	7	7	6	6	6	5	5	4	4	4	4
18.75°	7	7	6	6	6	5	5	5	4	4	4
17.5°	7	7	6	6	6	5	5	5	4	4	4
16.25°	7	7	7	6	6	5	5	5	4	4	4
15°	8	7	7	6	6	6	5	5	4	4	4
13.75°	8	7	7	6	6	6	5	5	4	4	4
12.5°	8	7	7	6	6	6	5	5	5	4	4
11.25°	8	7	7	7	6	6	5	5	5	4	4
10°	8	8	7	7	6	6	5	5	5	4	4
8.75°	8	8	7	7	6	6	5	5	5	4	4
7.5°	9	8	7	7	6	6	5	5	5	4	4
6.25°	9	8	7	7	6	6	6	5	5	4	4
5°	9	8	7	7	6	6	6	5	5	4	4
3.75°	9	8	7	7	6	6	6	5	5	4	4
2.5°	9	8	7	7	6	6	6	5	5	4	4
1.25°	9	8	7	7	6	6	6	5	5	4	4
0°	9	8	7	7	6	6	6	5	5	4	4
-1.25°	9	8	7	7	6	6	6	5	5	4	4
-2.5°	9	8	7	7	6	6	6	5	5	4	4
-3.75°	9	8	7	7	6	6	6	5	5	4	4
-5°	9	8	7	7	6	6	6	5	5	4	4
-6.25°	9	8	7	7	6	6	6	5	5	4	4
-7.5°	9	8	7	7	6	6	5	5	5	4	4
-8.75°	8	8	7	7	6	6	5	5	5	4	4
-10°	8	8	7	7	6	6	5	5	5	4	4
-11.25°	8	7	7	7	6	6	5	5	5	4	4
-12.5°	8	7	7	6	6	6	5	5	5	4	4
-13.75°	8	7	7	6	6	6	5	5	4	4	4
-15°	8	7	7	6	6	6	5	5	4	4	4
-16.25°	7	7	7	6	6	5	5	5	4	4	4
-17.5°	7	7	6	6	6	5	5	5	4	4	4
-18.75°	7	7	6	6	6	5	5	5	4	4	4
-20°	7	7	6	6	6	5	5	4	4	4	4
-21.25°	7	7	6	6	5	5	5	4	4	4	4



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	7	6	6	6	5	5	5	4	4	4	4
-23.75°	7	6	6	6	5	5	5	4	4	4	4
-25°	6	6	6	5	5	5	4	4	4	4	4
-26.25°	6	6	6	5	5	5	4	4	4	4	4
-27.5°	6	6	6	5	5	5	4	4	4	4	4
-28.75°	6	6	5	5	5	4	4	4	4	4	4
-30°	6	6	5	5	5	4	4	4	4	4	3
-31.25°	6	5	5	5	4	4	4	4	4	4	3
-32.5°	6	5	5	5	4	4	4	4	4	4	3
-33.75°	5	5	5	4	4	4	4	4	4	3	3
-35°	5	5	5	4	4	4	4	4	4	3	3
-36.25°	5	5	4	4	4	4	4	4	3	3	3
-37.5°	5	4	4	4	4	4	4	4	3	3	3
-38.75°	5	4	4	4	4	4	4	3	3	3	3
-40°	4	4	4	4	4	4	4	3	3	3	2
-41.25°	4	4	4	4	4	4	3	3	3	3	2
-42.5°	4	4	4	4	4	3	3	3	3	2	2
-43.75°	4	4	4	4	4	3	3	3	3	2	2
-45°	4	4	4	4	3	3	3	3	2	2	2
-46.25°	4	4	4	3	3	3	3	2	2	2	2
-47.5°	4	4	3	3	3	3	2	2	2	2	2
-48.75°	4	3	3	3	3	3	2	2	2	2	2
-50°	3	3	3	3	3	2	2	2	2	2	2
-51.25°	3	3	3	3	2	2	2	2	2	2	2
-52.5°	3	3	3	2	2	2	2	2	2	2	2
-53.75°	3	3	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	1	1
-67.5°	2	2	2	2	2	2	2	2	1	1	1
-68.75°	2	2	2	2	2	2	1	1	1	1	1
-70°	2	2	2	2	1	1	1	1	1	1	1
-71.25°	2	2	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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	0	0	0
-83.75°	1	1	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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	1	0	0	0	0	0	0	0	0	0	0
80°	1	1	1	1	0	0	0	0	0	0	0
78.75°	1	1	1	1	1	1	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	0
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	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°	2	1	1	1	1	1	1	1	1	1	1
62.5°	2	2	1	1	1	1	1	1	1	1	1
61.25°	2	2	2	1	1	1	1	1	1	1	1
60°	2	2	2	2	1	1	1	1	1	1	1
58.75°	2	2	2	2	1	1	1	1	1	1	1
57.5°	2	2	2	2	2	1	1	1	1	1	1
56.25°	2	2	2	2	2	2	1	1	1	1	1
55°	2	2	2	2	2	2	1	1	1	1	1
53.75°	2	2	2	2	2	2	2	1	1	1	1
52.5°	2	2	2	2	2	2	2	1	1	1	1
51.25°	2	2	2	2	2	2	2	2	1	1	1
50°	2	2	2	2	2	2	2	2	1	1	1
48.75°	2	2	2	2	2	2	2	2	2	1	1
47.5°	2	2	2	2	2	2	2	2	2	1	1
46.25°	2	2	2	2	2	2	2	2	2	1	1
45°	2	2	2	2	2	2	2	2	2	2	1
43.75°	2	2	2	2	2	2	2	2	2	2	1
42.5°	2	2	2	2	2	2	2	2	2	2	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	2
38.75°	2	2	2	2	2	2	2	2	2	2	2
37.5°	2	2	2	2	2	2	2	2	2	2	2
36.25°	3	2	2	2	2	2	2	2	2	2	2
35°	3	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	3	2	2	2	2	2	2	2	2	2	2
32.5°	3	3	2	2	2	2	2	2	2	2	2
31.25°	3	3	2	2	2	2	2	2	2	2	2
30°	3	3	2	2	2	2	2	2	2	2	2
28.75°	3	3	3	2	2	2	2	2	2	2	2
27.5°	3	3	3	2	2	2	2	2	2	2	2
26.25°	3	3	3	2	2	2	2	2	2	2	2
25°	3	3	3	2	2	2	2	2	2	2	2
23.75°	4	3	3	2	2	2	2	2	2	2	2
22.5°	4	3	3	3	2	2	2	2	2	2	2
21.25°	4	3	3	3	2	2	2	2	2	2	2
20°	4	3	3	3	2	2	2	2	2	2	2
18.75°	4	3	3	3	2	2	2	2	2	2	2
17.5°	4	4	3	3	2	2	2	2	2	2	2
16.25°	4	4	3	3	2	2	2	2	2	2	2
15°	4	4	3	3	3	2	2	2	2	2	2
13.75°	4	4	3	3	3	2	2	2	2	2	2
12.5°	4	4	3	3	3	2	2	2	2	2	2
11.25°	4	4	3	3	3	2	2	2	2	2	2
10°	4	4	3	3	3	2	2	2	2	2	2
8.75°	4	4	3	3	3	2	2	2	2	2	2
7.5°	4	4	4	3	3	2	2	2	2	2	2
6.25°	4	4	4	3	3	2	2	2	2	2	2
5°	4	4	4	3	3	2	2	2	2	2	2
3.75°	4	4	4	3	3	2	2	2	2	2	2
2.5°	4	4	4	3	3	2	2	2	2	2	2
1.25°	4	4	4	3	3	2	2	2	2	2	2
0°	4	4	4	3	3	2	2	2	2	2	2
-1.25°	4	4	4	3	3	2	2	2	2	2	2
-2.5°	4	4	4	3	3	2	2	2	2	2	2
-3.75°	4	4	4	3	3	2	2	2	2	2	2
-5°	4	4	4	3	3	2	2	2	2	2	2
-6.25°	4	4	4	3	3	2	2	2	2	2	2
-7.5°	4	4	4	3	3	2	2	2	2	2	2
-8.75°	4	4	3	3	3	2	2	2	2	2	2
-10°	4	4	3	3	3	2	2	2	2	2	2
-11.25°	4	4	3	3	3	2	2	2	2	2	2
-12.5°	4	4	3	3	3	2	2	2	2	2	2
-13.75°	4	4	3	3	3	2	2	2	2	2	2
-15°	4	4	3	3	3	2	2	2	2	2	2
-16.25°	4	4	3	3	2	2	2	2	2	2	2
-17.5°	4	4	3	3	2	2	2	2	2	2	2
-18.75°	4	3	3	3	2	2	2	2	2	2	2
-20°	4	3	3	3	2	2	2	2	2	2	2
-21.25°	4	3	3	3	2	2	2	2	2	2	2



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	4	3	3	3	2	2	2	2	2	2	2
-23.75°	4	3	3	2	2	2	2	2	2	2	2
-25°	3	3	3	2	2	2	2	2	2	2	2
-26.25°	3	3	3	2	2	2	2	2	2	2	2
-27.5°	3	3	3	2	2	2	2	2	2	2	2
-28.75°	3	3	3	2	2	2	2	2	2	2	2
-30°	3	3	2	2	2	2	2	2	2	2	2
-31.25°	3	3	2	2	2	2	2	2	2	2	2
-32.5°	3	3	2	2	2	2	2	2	2	2	2
-33.75°	3	2	2	2	2	2	2	2	2	2	2
-35°	3	2	2	2	2	2	2	2	2	2	2
-36.25°	3	2	2	2	2	2	2	2	2	2	2
-37.5°	2	2	2	2	2	2	2	2	2	2	2
-38.75°	2	2	2	2	2	2	2	2	2	2	2
-40°	2	2	2	2	2	2	2	2	2	2	2
-41.25°	2	2	2	2	2	2	2	2	2	2	1
-42.5°	2	2	2	2	2	2	2	2	2	2	1
-43.75°	2	2	2	2	2	2	2	2	2	2	1
-45°	2	2	2	2	2	2	2	2	2	2	1
-46.25°	2	2	2	2	2	2	2	2	2	1	1
-47.5°	2	2	2	2	2	2	2	2	2	1	1
-48.75°	2	2	2	2	2	2	2	2	2	1	1
-50°	2	2	2	2	2	2	2	2	1	1	1
-51.25°	2	2	2	2	2	2	2	2	1	1	1
-52.5°	2	2	2	2	2	2	2	1	1	1	1
-53.75°	2	2	2	2	2	2	2	1	1	1	1
-55°	2	2	2	2	2	2	1	1	1	1	1
-56.25°	2	2	2	2	2	2	1	1	1	1	1
-57.5°	2	2	2	2	2	1	1	1	1	1	1
-58.75°	2	2	2	2	1	1	1	1	1	1	1
-60°	2	2	2	2	1	1	1	1	1	1	1
-61.25°	2	2	2	1	1	1	1	1	1	1	1
-62.5°	2	2	1	1	1	1	1	1	1	1	1
-63.75°	2	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	0
-77.5°	1	1	1	1	1	1	1	1	0	0	0



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	1	1	1	1	1	1	0	0	0	0	0
-80°	1	1	1	1	0	0	0	0	0	0	0
-81.25°	1	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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	1	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	0	0	0	0	0	0	0	0	0
71.25°	1	1	0	0	0	0	0	0	0	0	0
70°	1	1	1	0	0	0	0	0	0	0	0
68.75°	1	1	1	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	0	0	0	0	0	0	0
66.25°	1	1	1	1	0	0	0	0	0	0	0
65°	1	1	1	1	1	0	0	0	0	0	0
63.75°	1	1	1	1	1	0	0	0	0	0	0
62.5°	1	1	1	1	1	0	0	0	0	0	0
61.25°	1	1	1	1	1	1	0	0	0	0	0
60°	1	1	1	1	1	1	0	0	0	0	0
58.75°	1	1	1	1	1	1	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
56.25°	1	1	1	1	1	1	1	0	0	0	0
55°	1	1	1	1	1	1	1	0	0	0	0
53.75°	1	1	1	1	1	1	1	0	0	0	0
52.5°	1	1	1	1	1	1	1	0	0	0	0
51.25°	1	1	1	1	1	1	1	0	0	0	0
50°	1	1	1	1	1	1	1	0	0	0	0
48.75°	1	1	1	1	1	1	1	1	0	0	0
47.5°	1	1	1	1	1	1	1	1	0	0	0
46.25°	1	1	1	1	1	1	1	1	0	0	0
45°	1	1	1	1	1	1	1	1	0	0	0
43.75°	1	1	1	1	1	1	1	1	0	0	0
42.5°	1	1	1	1	1	1	1	1	0	0	0
41.25°	1	1	1	1	1	1	1	1	0	0	0
40°	1	1	1	1	1	1	1	1	0	0	0
38.75°	1	1	1	1	1	1	1	1	0	0	0
37.5°	1	1	1	1	1	1	1	1	0	0	0
36.25°	1	1	1	1	1	1	1	1	0	0	0
35°	2	1	1	1	1	1	1	1	1	0	0



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	2	1	1	1	1	1	1	1	1	0	0
32.5°	2	1	1	1	1	1	1	1	1	0	0
31.25°	2	1	1	1	1	1	1	1	1	0	0
30°	2	1	1	1	1	1	1	1	1	0	0
28.75°	2	1	1	1	1	1	1	1	1	0	0
27.5°	2	1	1	1	1	1	1	1	1	0	0
26.25°	2	2	1	1	1	1	1	1	1	0	0
25°	2	2	1	1	1	1	1	1	1	0	0
23.75°	2	2	1	1	1	1	1	1	1	0	0
22.5°	2	2	1	1	1	1	1	1	1	0	0
21.25°	2	2	1	1	1	1	1	1	1	0	0
20°	2	2	1	1	1	1	1	1	1	0	0
18.75°	2	2	1	1	1	1	1	1	1	0	0
17.5°	2	2	1	1	1	1	1	1	1	0	0
16.25°	2	2	1	1	1	1	1	1	1	0	0
15°	2	2	1	1	1	1	1	1	1	0	0
13.75°	2	2	1	1	1	1	1	1	1	0	0
12.5°	2	2	2	1	1	1	1	1	1	0	0
11.25°	2	2	2	1	1	1	1	1	1	0	0
10°	2	2	2	1	1	1	1	1	1	0	0
8.75°	2	2	2	1	1	1	1	1	1	0	0
7.5°	2	2	2	1	1	1	1	1	1	0	0
6.25°	2	2	2	1	1	1	1	1	1	0	0
5°	2	2	2	1	1	1	1	1	1	0	0
3.75°	2	2	2	1	1	1	1	1	1	0	0
2.5°	2	2	2	1	1	1	1	1	1	0	0
1.25°	2	2	2	1	1	1	1	1	1	0	0
0°	2	2	2	1	1	1	1	1	1	0	0
-1.25°	2	2	2	1	1	1	1	1	1	0	0
-2.5°	2	2	2	1	1	1	1	1	1	0	0
-3.75°	2	2	2	1	1	1	1	1	1	0	0
-5°	2	2	2	1	1	1	1	1	1	0	0
-6.25°	2	2	2	1	1	1	1	1	1	0	0
-7.5°	2	2	2	1	1	1	1	1	1	0	0
-8.75°	2	2	2	1	1	1	1	1	1	0	0
-10°	2	2	2	1	1	1	1	1	1	0	0
-11.25°	2	2	2	1	1	1	1	1	1	0	0
-12.5°	2	2	2	1	1	1	1	1	1	0	0
-13.75°	2	2	1	1	1	1	1	1	1	0	0
-15°	2	2	1	1	1	1	1	1	1	0	0
-16.25°	2	2	1	1	1	1	1	1	1	0	0
-17.5°	2	2	1	1	1	1	1	1	1	0	0
-18.75°	2	2	1	1	1	1	1	1	1	0	0
-20°	2	2	1	1	1	1	1	1	1	0	0
-21.25°	2	2	1	1	1	1	1	1	1	0	0



REPORT NUMBER: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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°	2	2	1	1	1	1	1	1	1	0	0
-23.75°	2	2	1	1	1	1	1	1	1	0	0
-25°	2	2	1	1	1	1	1	1	1	0	0
-26.25°	2	2	1	1	1	1	1	1	1	0	0
-27.5°	2	1	1	1	1	1	1	1	1	0	0
-28.75°	2	1	1	1	1	1	1	1	1	0	0
-30°	2	1	1	1	1	1	1	1	1	0	0
-31.25°	2	1	1	1	1	1	1	1	1	0	0
-32.5°	2	1	1	1	1	1	1	1	1	0	0
-33.75°	2	1	1	1	1	1	1	1	1	0	0
-35°	2	1	1	1	1	1	1	1	1	0	0
-36.25°	1	1	1	1	1	1	1	1	0	0	0
-37.5°	1	1	1	1	1	1	1	1	0	0	0
-38.75°	1	1	1	1	1	1	1	1	0	0	0
-40°	1	1	1	1	1	1	1	1	0	0	0
-41.25°	1	1	1	1	1	1	1	1	0	0	0
-42.5°	1	1	1	1	1	1	1	1	0	0	0
-43.75°	1	1	1	1	1	1	1	1	0	0	0
-45°	1	1	1	1	1	1	1	1	0	0	0
-46.25°	1	1	1	1	1	1	1	1	0	0	0
-47.5°	1	1	1	1	1	1	1	1	0	0	0
-48.75°	1	1	1	1	1	1	1	1	0	0	0
-50°	1	1	1	1	1	1	1	0	0	0	0
-51.25°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	1	1	0	0	0	0
-53.75°	1	1	1	1	1	1	1	0	0	0	0
-55°	1	1	1	1	1	1	1	0	0	0	0
-56.25°	1	1	1	1	1	1	1	0	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-58.75°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-61.25°	1	1	1	1	1	1	0	0	0	0	0
-62.5°	1	1	1	1	1	0	0	0	0	0	0
-63.75°	1	1	1	1	1	0	0	0	0	0	0
-65°	1	1	1	1	1	0	0	0	0	0	0
-66.25°	1	1	1	1	0	0	0	0	0	0	0
-67.5°	1	1	1	1	0	0	0	0	0	0	0
-68.75°	1	1	1	0	0	0	0	0	0	0	0
-70°	1	1	1	0	0	0	0	0	0	0	0
-71.25°	1	1	0	0	0	0	0	0	0	0	0
-72.5°	1	1	0	0	0	0	0	0	0	0	0
-73.75°	1	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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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: P220668 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-M-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)