

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: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

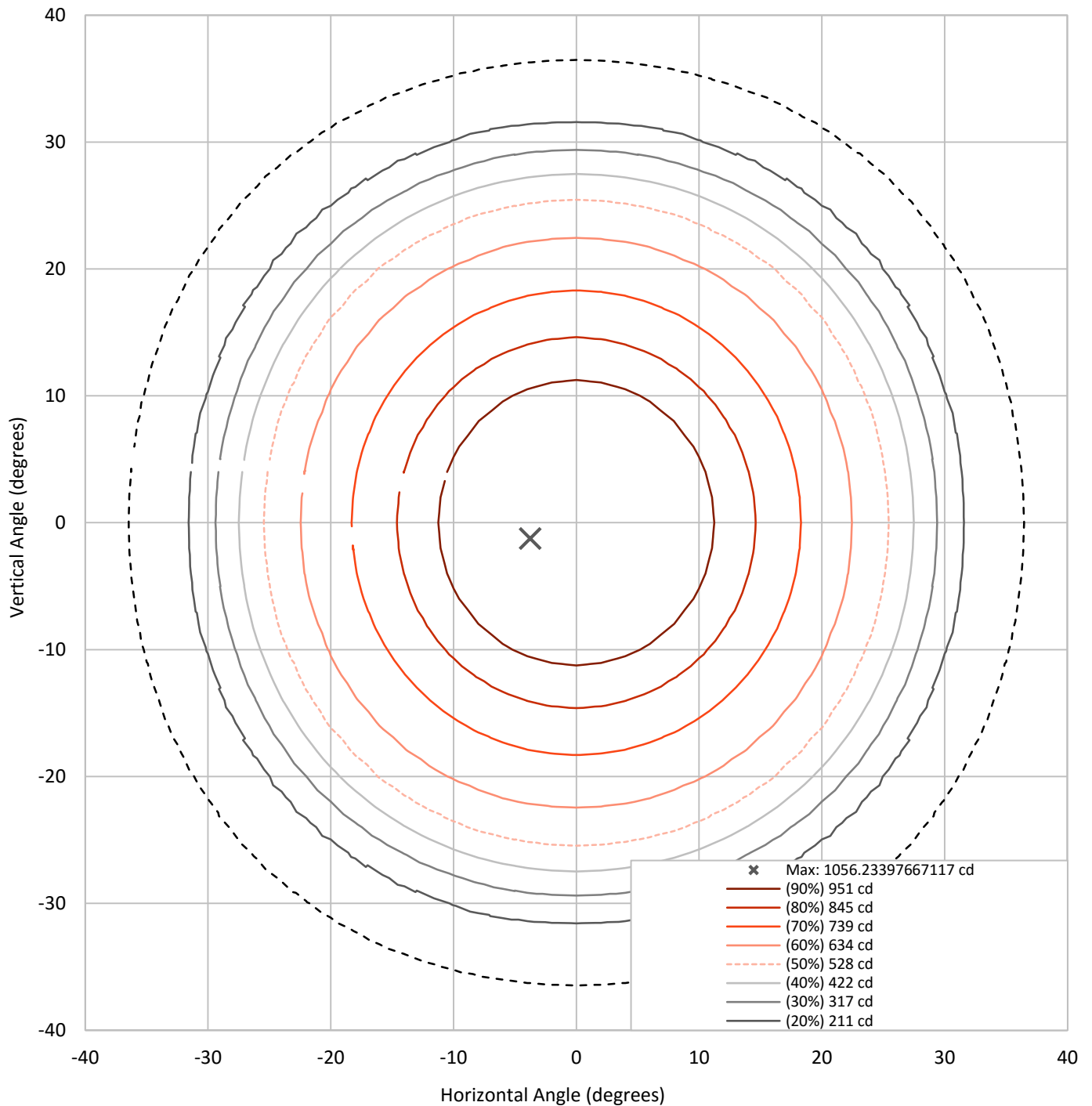
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	704.8 lumens	Max Intensity:	1056.2 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	71.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	51°H x 50.5°V	Field Angle (10%):	72.8°H x 72.6°V
Beam Lumens:	474.7 lumens	Field Lumens:	633.2 lumens
Beam Efficiency:	67.4%	Field Efficiency:	89.8%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

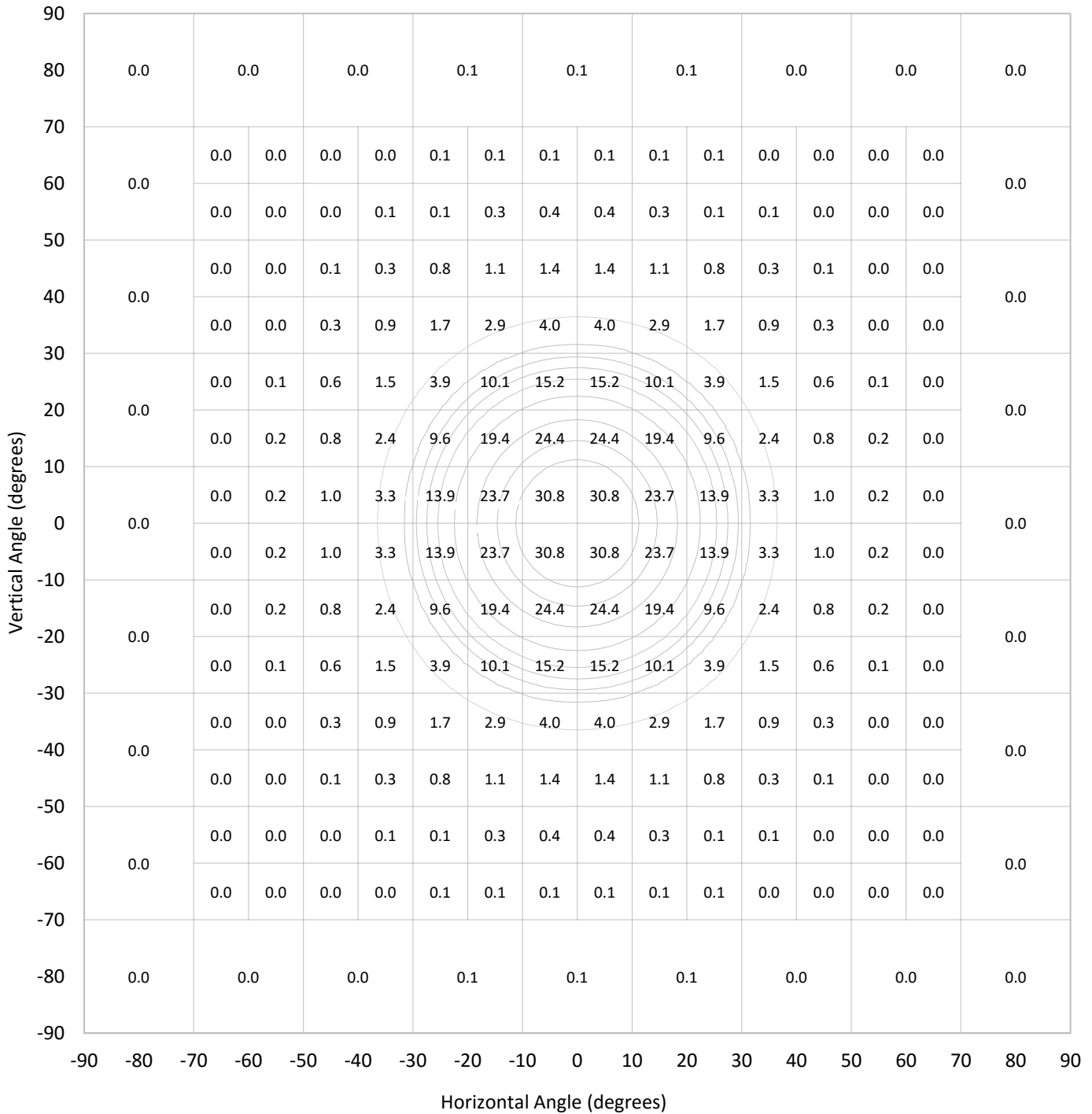
Iso-Candela Plot





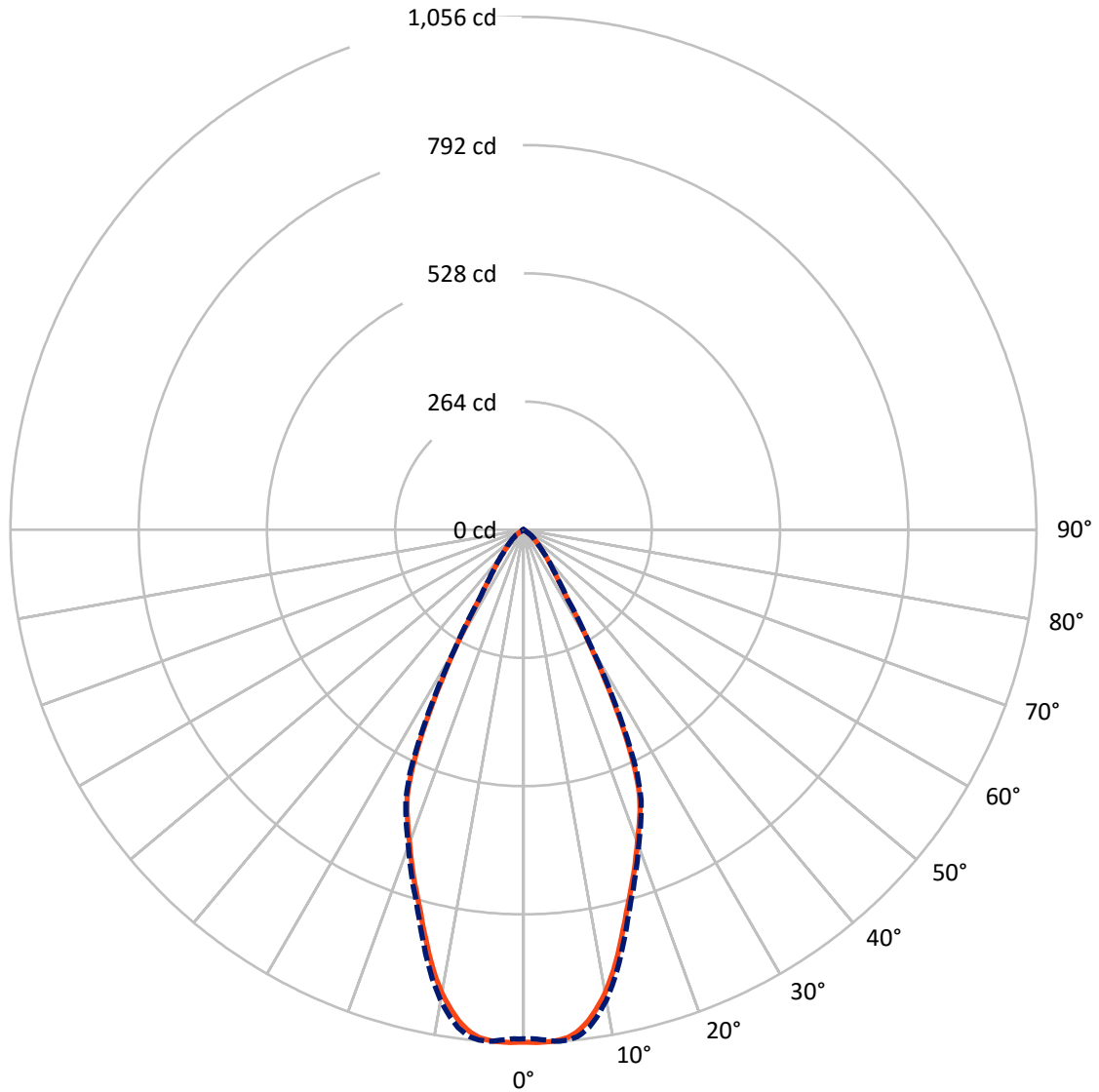
REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

Lumen Table



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

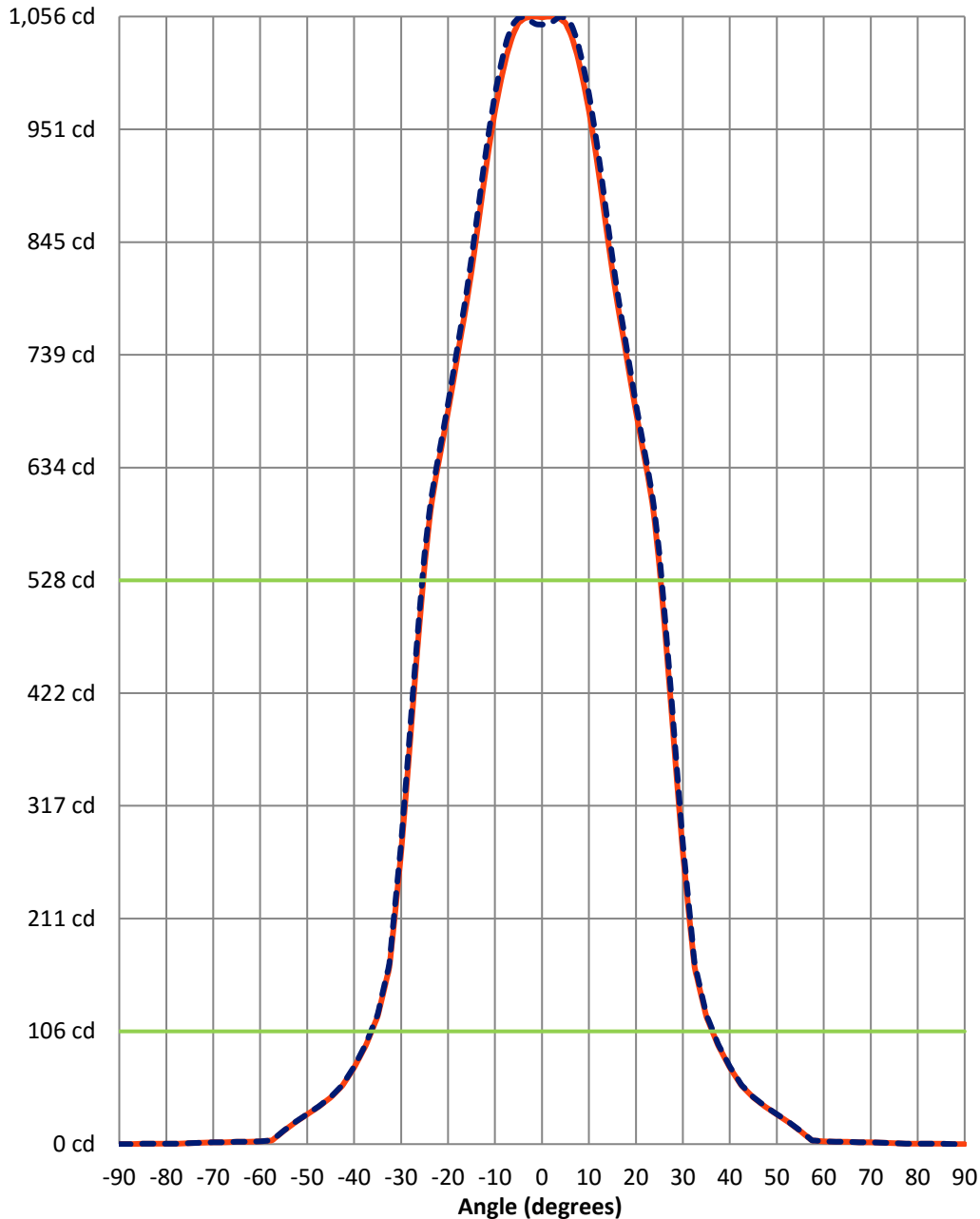
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 50.5°
 Lumens: 474.7
 Efficiency: 67.4%

Field:
 H Angle: 72.8°
 V Angle: 72.6°
 Lumens: 633.2
 Efficiency: 89.8%

Spill:
 Lumens: 71.6
 Efficiency: 10.2%

- Vertical Distribution through -3.75-Deg
- - Horizontal Distribution through -1.25-Deg



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	1
57.5°	0	0	0	0	0	0	0	0	0	1	1
56.25°	0	0	0	0	0	0	0	0	0	1	1
55°	0	0	0	0	0	0	0	0	1	1	1
53.75°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	0	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	1	1	1	1	1	1	1
43.75°	0	0	0	0	1	1	1	1	1	1	1
42.5°	0	0	0	0	1	1	1	1	1	1	2
41.25°	0	0	0	1	1	1	1	1	1	1	2
40°	0	0	0	1	1	1	1	1	1	2	2
38.75°	0	0	0	1	1	1	1	1	1	2	2
37.5°	0	0	0	1	1	1	1	1	1	2	2
36.25°	0	0	1	1	1	1	1	1	2	2	2
35°	0	0	1	1	1	1	1	1	2	2	2



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	0	1	1	1	1	1	2	2	2	2	2
-23.75°	0	1	1	1	1	1	2	2	2	2	2
-25°	0	1	1	1	1	1	2	2	2	2	2
-26.25°	0	1	1	1	1	1	2	2	2	2	2
-27.5°	0	1	1	1	1	1	2	2	2	2	2
-28.75°	0	1	1	1	1	1	1	2	2	2	2
-30°	0	0	1	1	1	1	1	2	2	2	2
-31.25°	0	0	1	1	1	1	1	2	2	2	2
-32.5°	0	0	1	1	1	1	1	2	2	2	2
-33.75°	0	0	1	1	1	1	1	1	2	2	2
-35°	0	0	1	1	1	1	1	1	2	2	2
-36.25°	0	0	1	1	1	1	1	1	2	2	2
-37.5°	0	0	0	1	1	1	1	1	1	2	2
-38.75°	0	0	0	1	1	1	1	1	1	2	2
-40°	0	0	0	1	1	1	1	1	1	2	2
-41.25°	0	0	0	1	1	1	1	1	1	1	2
-42.5°	0	0	0	0	1	1	1	1	1	1	2
-43.75°	0	0	0	0	1	1	1	1	1	1	1
-45°	0	0	0	0	1	1	1	1	1	1	1
-46.25°	0	0	0	0	0	1	1	1	1	1	1
-47.5°	0	0	0	0	0	1	1	1	1	1	1
-48.75°	0	0	0	0	0	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	0	1	1	1	1
-53.75°	0	0	0	0	0	0	0	1	1	1	1
-55°	0	0	0	0	0	0	0	0	1	1	1
-56.25°	0	0	0	0	0	0	0	0	0	1	1
-57.5°	0	0	0	0	0	0	0	0	0	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: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	1	1
67.5°	0	0	0	0	0	0	0	1	1	1	1
66.25°	0	0	0	0	0	0	1	1	1	1	1
65°	0	0	0	0	1	1	1	1	1	1	1
63.75°	0	0	0	1	1	1	1	1	1	1	1
62.5°	0	0	1	1	1	1	1	1	1	1	1
61.25°	0	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	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	2	2	2	2	2
53.75°	1	1	1	1	1	2	2	2	2	2	2
52.5°	1	1	1	1	2	2	2	2	2	2	2
51.25°	1	1	1	2	2	2	2	2	2	2	2
50°	1	1	1	2	2	2	2	2	2	2	2
48.75°	1	1	2	2	2	2	2	2	2	2	2
47.5°	1	2	2	2	2	2	2	2	2	2	2
46.25°	1	2	2	2	2	2	2	2	2	2	2
45°	2	2	2	2	2	2	2	2	2	2	2
43.75°	2	2	2	2	2	2	2	2	2	2	2
42.5°	2	2	2	2	2	2	2	2	2	2	2
41.25°	2	2	2	2	2	2	2	2	2	2	2
40°	2	2	2	2	2	2	2	2	2	2	3
38.75°	2	2	2	2	2	2	2	2	2	2	3
37.5°	2	2	2	2	2	2	2	2	2	3	3
36.25°	2	2	2	2	2	2	2	2	3	3	3
35°	2	2	2	2	2	2	2	2	3	3	3



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	2	2	2	2	2	2	2	3	3	3	3
32.5°	2	2	2	2	2	2	2	3	3	3	5
31.25°	2	2	2	2	2	2	2	3	3	3	7
30°	2	2	2	2	2	2	3	3	3	5	8
28.75°	2	2	2	2	2	2	3	3	3	6	10
27.5°	2	2	2	2	2	3	3	3	4	8	12
26.25°	2	2	2	2	2	3	3	3	6	10	13
25°	2	2	2	2	2	3	3	3	7	11	15
23.75°	2	2	2	2	3	3	3	4	8	12	16
22.5°	2	2	2	2	3	3	3	6	10	14	17
21.25°	2	2	2	2	3	3	3	7	11	15	19
20°	2	2	2	2	3	3	4	8	12	16	20
18.75°	2	2	2	3	3	3	5	9	13	17	21
17.5°	2	2	2	3	3	3	6	10	14	18	22
16.25°	2	2	2	3	3	3	7	11	15	19	23
15°	2	2	2	3	3	3	8	12	16	20	23
13.75°	2	2	2	3	3	4	8	13	17	21	24
12.5°	2	2	2	3	3	5	9	13	17	21	25
11.25°	2	2	2	3	3	5	10	14	18	22	25
10°	2	2	3	3	3	6	10	15	19	22	26
8.75°	2	2	3	3	3	6	11	15	19	23	26
7.5°	2	2	3	3	3	7	11	16	20	23	27
6.25°	2	2	3	3	3	7	12	16	20	24	27
5°	2	2	3	3	3	8	12	16	20	24	28
3.75°	2	2	3	3	3	8	12	16	20	24	28
2.5°	2	2	3	3	3	8	12	17	21	24	28
1.25°	2	2	3	3	3	8	13	17	21	24	28
0°	2	2	3	3	4	8	13	17	21	24	28
-1.25°	2	2	3	3	3	8	13	17	21	24	28
-2.5°	2	2	3	3	3	8	12	17	21	24	28
-3.75°	2	2	3	3	3	8	12	16	20	24	28
-5°	2	2	3	3	3	8	12	16	20	24	28
-6.25°	2	2	3	3	3	7	12	16	20	24	27
-7.5°	2	2	3	3	3	7	11	16	20	23	27
-8.75°	2	2	3	3	3	6	11	15	19	23	26
-10°	2	2	3	3	3	6	10	15	19	22	26
-11.25°	2	2	2	3	3	5	10	14	18	22	25
-12.5°	2	2	2	3	3	5	9	13	17	21	25
-13.75°	2	2	2	3	3	4	8	13	17	21	24
-15°	2	2	2	3	3	3	8	12	16	20	23
-16.25°	2	2	2	3	3	3	7	11	15	19	23
-17.5°	2	2	2	3	3	3	6	10	14	18	22
-18.75°	2	2	2	3	3	3	5	9	13	17	21
-20°	2	2	2	2	3	3	4	8	12	16	20
-21.25°	2	2	2	2	3	3	3	7	11	15	19



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	2	2	2	3	3	3	6	10	14	17
-23.75°	2	2	2	2	3	3	3	4	8	12	16
-25°	2	2	2	2	2	3	3	3	7	11	15
-26.25°	2	2	2	2	2	3	3	3	6	10	13
-27.5°	2	2	2	2	2	3	3	3	4	8	12
-28.75°	2	2	2	2	2	2	3	3	3	6	10
-30°	2	2	2	2	2	2	3	3	3	5	8
-31.25°	2	2	2	2	2	2	2	3	3	3	7
-32.5°	2	2	2	2	2	2	2	3	3	3	5
-33.75°	2	2	2	2	2	2	2	3	3	3	3
-35°	2	2	2	2	2	2	2	2	3	3	3
-36.25°	2	2	2	2	2	2	2	2	3	3	3
-37.5°	2	2	2	2	2	2	2	2	2	3	3
-38.75°	2	2	2	2	2	2	2	2	2	2	3
-40°	2	2	2	2	2	2	2	2	2	2	3
-41.25°	2	2	2	2	2	2	2	2	2	2	2
-42.5°	2	2	2	2	2	2	2	2	2	2	2
-43.75°	2	2	2	2	2	2	2	2	2	2	2
-45°	2	2	2	2	2	2	2	2	2	2	2
-46.25°	1	2	2	2	2	2	2	2	2	2	2
-47.5°	1	2	2	2	2	2	2	2	2	2	2
-48.75°	1	1	2	2	2	2	2	2	2	2	2
-50°	1	1	1	2	2	2	2	2	2	2	2
-51.25°	1	1	1	2	2	2	2	2	2	2	2
-52.5°	1	1	1	1	2	2	2	2	2	2	2
-53.75°	1	1	1	1	1	2	2	2	2	2	2
-55°	1	1	1	1	1	1	2	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	1	1
-61.25°	0	1	1	1	1	1	1	1	1	1	1
-62.5°	0	0	1	1	1	1	1	1	1	1	1
-63.75°	0	0	0	1	1	1	1	1	1	1	1
-65°	0	0	0	0	1	1	1	1	1	1	1
-66.25°	0	0	0	0	0	0	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	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: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	1
72.5°	0	0	0	0	0	0	1	1	1	1	1
71.25°	0	0	0	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	2
65°	1	1	1	1	1	1	1	2	2	2	2
63.75°	1	1	1	1	1	2	2	2	2	2	2
62.5°	1	1	1	2	2	2	2	2	2	2	2
61.25°	1	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	3	3	3	3
48.75°	2	2	2	2	2	2	3	3	3	3	3
47.5°	2	2	2	2	2	3	3	3	3	3	5
46.25°	2	2	2	2	3	3	3	3	4	6	9
45°	2	2	2	3	3	3	3	5	7	9	12
43.75°	2	2	3	3	3	3	5	7	10	12	15
42.5°	2	3	3	3	3	5	8	10	13	15	17
41.25°	3	3	3	3	5	8	10	13	16	18	20
40°	3	3	3	5	7	10	13	16	18	21	23
38.75°	3	3	4	7	10	13	16	18	21	23	25
37.5°	3	3	6	9	12	15	18	21	23	25	27
36.25°	3	5	9	12	15	17	20	23	25	27	30
35°	4	8	11	14	17	20	22	25	27	30	32



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	6	10	13	16	19	22	24	27	29	32	34
32.5°	8	12	15	18	21	24	26	29	31	34	37
31.25°	10	14	17	20	23	25	28	31	33	36	39
30°	12	15	18	22	24	27	30	33	35	39	42
28.75°	14	17	20	23	26	29	32	35	38	41	44
27.5°	15	19	22	25	28	31	34	37	40	43	47
26.25°	17	20	23	26	29	32	35	39	42	46	50
25°	18	22	25	28	31	34	37	41	44	49	53
23.75°	20	23	26	29	32	35	39	42	47	51	56
22.5°	21	24	27	30	34	37	41	44	49	54	60
21.25°	22	25	28	32	35	39	42	47	51	57	64
20°	23	26	30	33	36	40	44	49	54	60	68
18.75°	24	27	31	34	38	42	46	51	56	64	71
17.5°	25	28	32	35	39	43	48	53	59	67	75
16.25°	26	29	33	36	40	44	50	55	62	70	79
15°	27	30	34	37	42	46	51	57	65	73	83
13.75°	28	31	35	39	43	47	53	59	67	76	86
12.5°	28	32	35	39	44	49	54	62	70	79	89
11.25°	29	33	36	40	45	50	55	64	72	82	92
10°	30	33	37	41	46	51	57	66	74	84	95
8.75°	30	34	38	42	47	52	59	67	76	87	98
7.5°	31	34	38	42	47	53	60	69	78	89	100
6.25°	31	35	39	43	48	54	61	70	80	90	103
5°	31	35	39	43	49	54	62	71	81	91	104
3.75°	31	35	39	44	49	55	63	72	82	93	106
2.5°	32	35	40	44	49	55	64	72	83	93	107
1.25°	32	35	40	44	50	55	64	73	83	94	108
0°	32	36	40	44	50	55	64	73	83	94	108
-1.25°	32	35	40	44	49	55	64	72	83	93	107
-2.5°	32	35	40	44	49	55	64	72	83	93	107
-3.75°	31	35	39	44	49	55	63	72	82	93	106
-5°	31	35	39	43	49	54	62	71	81	91	104
-6.25°	31	35	39	43	48	54	61	70	80	90	103
-7.5°	31	34	38	42	47	53	60	69	78	89	100
-8.75°	30	34	38	42	47	52	59	67	76	87	98
-10°	30	33	37	41	46	51	57	66	74	84	95
-11.25°	29	33	36	40	45	50	55	64	72	82	92
-12.5°	28	32	35	39	44	49	54	62	70	79	89
-13.75°	28	31	35	39	43	47	53	59	67	76	86
-15°	27	30	34	37	42	46	51	57	65	73	83
-16.25°	26	29	33	36	40	44	50	55	62	70	79
-17.5°	25	28	32	35	39	43	48	53	59	67	75
-18.75°	24	27	31	34	38	42	46	51	56	64	71
-20°	23	26	30	33	36	40	44	49	54	60	68
-21.25°	22	25	28	32	35	39	42	47	51	57	64



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	21	24	27	30	34	37	41	44	49	54	60
-23.75°	20	23	26	29	32	35	39	42	47	51	56
-25°	18	22	25	28	31	34	37	41	44	49	53
-26.25°	17	20	23	26	29	32	35	39	42	46	50
-27.5°	15	19	22	25	28	31	34	37	40	43	47
-28.75°	14	17	20	23	26	29	32	35	38	41	44
-30°	12	15	18	22	24	27	30	33	35	39	42
-31.25°	10	14	17	20	23	25	28	31	33	36	39
-32.5°	8	12	15	18	21	24	26	29	31	34	37
-33.75°	6	10	13	16	19	22	24	27	29	32	34
-35°	4	8	11	14	17	20	22	25	27	30	32
-36.25°	3	5	9	12	15	17	20	23	25	27	30
-37.5°	3	3	6	9	12	15	18	21	23	25	27
-38.75°	3	3	4	7	10	13	16	18	21	23	25
-40°	3	3	3	5	7	10	13	16	18	21	23
-41.25°	3	3	3	3	5	8	10	13	16	18	20
-42.5°	2	3	3	3	3	5	8	10	13	15	17
-43.75°	2	2	3	3	3	3	5	7	10	12	15
-45°	2	2	2	3	3	3	3	5	7	9	12
-46.25°	2	2	2	2	3	3	3	3	4	6	9
-47.5°	2	2	2	2	2	3	3	3	3	3	5
-48.75°	2	2	2	2	2	2	3	3	3	3	3
-50°	2	2	2	2	2	2	2	3	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°	1	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	2	2	2	2	2	2
-65°	1	1	1	1	1	1	1	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	1
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	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	2	2	2	2	2
67.5°	1	1	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	3	3
56.25°	2	2	2	2	2	2	3	3	3	3	3
55°	2	2	2	2	3	3	3	3	3	3	3
53.75°	2	3	3	3	3	3	3	3	3	4	6
52.5°	3	3	3	3	3	3	4	6	7	8	10
51.25°	3	3	3	3	5	6	8	10	11	12	14
50°	3	3	5	7	8	10	12	13	15	16	17
48.75°	4	6	8	10	12	14	15	17	18	20	21
47.5°	8	10	12	14	15	17	19	20	22	23	24
46.25°	11	13	15	17	18	20	22	23	25	26	27
45°	14	16	18	20	22	23	25	26	28	29	30
43.75°	17	19	21	23	24	26	28	29	31	32	34
42.5°	20	22	24	25	27	29	31	32	34	35	37
41.25°	22	24	26	28	30	32	34	35	37	39	41
40°	25	27	29	31	33	35	37	39	41	42	44
38.75°	27	29	31	33	35	38	40	42	44	47	49
37.5°	30	32	34	36	39	41	43	46	49	51	54
36.25°	32	34	37	39	42	44	47	50	53	56	60
35°	34	37	40	42	45	48	51	54	58	63	67



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	37	40	42	45	49	52	56	60	65	70	74
32.5°	40	42	46	49	53	57	62	67	72	77	83
31.25°	42	45	49	53	57	63	68	73	79	85	91
30°	45	49	53	57	63	69	74	81	87	93	101
28.75°	48	52	57	63	69	75	82	88	95	104	112
27.5°	51	56	62	68	74	82	89	96	105	114	122
26.25°	54	60	67	73	81	88	96	106	115	125	140
25°	58	65	72	79	87	95	105	115	126	142	157
23.75°	63	70	77	85	93	104	114	125	142	158	180
22.5°	67	74	83	91	101	112	122	140	157	180	219
21.25°	71	79	88	97	108	119	136	154	176	217	257
20°	76	84	93	104	116	131	150	168	210	252	296
18.75°	80	89	99	111	123	143	163	198	243	287	339
17.5°	84	94	106	117	135	155	182	228	274	327	382
16.25°	88	99	111	125	146	166	210	257	308	366	423
15°	92	104	117	134	156	186	235	284	343	403	461
13.75°	96	109	122	144	165	210	260	315	377	438	495
12.5°	101	113	130	152	180	231	282	344	408	469	526
11.25°	105	118	137	160	199	251	308	372	436	498	553
10°	108	121	144	167	216	269	331	397	462	522	574
8.75°	111	127	150	177	231	286	352	419	484	543	592
7.5°	114	132	155	190	245	303	370	439	503	561	604
6.25°	116	136	159	201	256	318	386	455	519	574	614
5°	118	139	163	210	266	330	399	468	532	585	622
3.75°	120	142	166	217	273	339	410	478	541	594	627
2.5°	121	144	168	222	278	346	417	486	549	598	631
1.25°	121	145	169	225	282	350	422	490	553	601	633
0°	122	146	170	226	283	352	423	492	554	602	634
-1.25°	121	145	169	225	282	350	422	490	553	601	633
-2.5°	121	144	168	222	278	346	417	486	549	598	631
-3.75°	120	142	166	217	273	339	410	478	541	594	627
-5°	118	139	163	210	266	330	399	468	532	585	622
-6.25°	116	136	159	201	256	318	386	455	519	574	614
-7.5°	114	132	155	190	245	303	370	439	503	561	604
-8.75°	111	127	150	177	231	286	352	419	484	543	592
-10°	108	121	144	167	216	269	331	397	462	522	574
-11.25°	105	118	137	160	199	251	308	372	436	498	553
-12.5°	101	113	130	152	180	231	282	344	408	469	526
-13.75°	96	109	122	144	165	210	260	315	377	438	495
-15°	92	104	117	134	156	186	235	284	343	403	461
-16.25°	88	99	111	125	146	166	210	257	308	366	423
-17.5°	84	94	106	117	135	155	182	228	274	327	382
-18.75°	80	89	99	111	123	143	163	198	243	287	339
-20°	76	84	93	104	116	131	150	168	210	252	296
-21.25°	71	79	88	97	108	119	136	154	176	217	257



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	67	74	83	91	101	112	122	140	157	180	219
-23.75°	63	70	77	85	93	104	114	125	142	158	180
-25°	58	65	72	79	87	95	105	115	126	142	157
-26.25°	54	60	67	73	81	88	96	106	115	125	140
-27.5°	51	56	62	68	74	82	89	96	105	114	122
-28.75°	48	52	57	63	69	75	82	88	95	104	112
-30°	45	49	53	57	63	69	74	81	87	93	101
-31.25°	42	45	49	53	57	63	68	73	79	85	91
-32.5°	40	42	46	49	53	57	62	67	72	77	83
-33.75°	37	40	42	45	49	52	56	60	65	70	74
-35°	34	37	40	42	45	48	51	54	58	63	67
-36.25°	32	34	37	39	42	44	47	50	53	56	60
-37.5°	30	32	34	36	39	41	43	46	49	51	54
-38.75°	27	29	31	33	35	38	40	42	44	47	49
-40°	25	27	29	31	33	35	37	39	41	42	44
-41.25°	22	24	26	28	30	32	34	35	37	39	41
-42.5°	20	22	24	25	27	29	31	32	34	35	37
-43.75°	17	19	21	23	24	26	28	29	31	32	34
-45°	14	16	18	20	22	23	25	26	28	29	30
-46.25°	11	13	15	17	18	20	22	23	25	26	27
-47.5°	8	10	12	14	15	17	19	20	22	23	24
-48.75°	4	6	8	10	12	14	15	17	18	20	21
-50°	3	3	5	7	8	10	12	13	15	16	17
-51.25°	3	3	3	3	5	6	8	10	11	12	14
-52.5°	3	3	3	3	3	3	4	6	7	8	10
-53.75°	2	3	3	3	3	3	3	3	3	4	6
-55°	2	2	2	2	3	3	3	3	3	3	3
-56.25°	2	2	2	2	2	2	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	2	2	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	0	1	1	1	1	1	1
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	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	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	2
60°	2	2	2	2	2	2	2	2	2	3	3
58.75°	2	2	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	4	5	5	6	6
55°	3	4	5	6	7	8	8	9	10	10	11
53.75°	7	8	9	10	11	12	13	13	14	15	15
52.5°	11	12	13	14	15	16	17	17	18	19	19
51.25°	15	16	17	18	19	20	21	21	22	22	23
50°	19	20	21	22	23	23	24	25	25	26	26
48.75°	22	23	24	25	26	27	28	28	29	30	30
47.5°	25	26	27	28	29	30	31	32	33	33	34
46.25°	28	30	31	32	33	34	35	35	36	37	38
45°	32	33	34	35	36	37	39	39	40	41	42
43.75°	35	36	38	39	40	42	43	44	45	46	47
42.5°	39	40	42	43	44	46	47	49	50	51	52
41.25°	42	44	46	48	50	51	53	54	55	57	59
40°	47	49	51	53	55	57	59	62	64	66	67
38.75°	51	54	56	59	62	65	67	70	72	74	76
37.5°	57	60	64	67	70	73	76	79	82	84	87
36.25°	64	68	71	75	79	83	86	89	92	95	98
35°	71	76	80	84	88	92	96	101	105	108	111



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	79	84	89	94	99	104	109	113	118	121	127
32.5°	88	93	99	106	111	117	122	130	137	144	150
31.25°	97	104	111	117	125	134	144	152	160	167	177
30°	108	116	123	135	146	156	165	180	199	216	231
28.75°	119	131	143	155	166	186	210	231	251	269	286
27.5°	136	150	163	182	210	235	260	282	308	331	352
26.25°	154	168	198	228	257	284	315	344	372	397	419
25°	176	210	243	274	308	343	377	408	436	462	484
23.75°	217	252	287	327	366	403	438	469	498	522	543
22.5°	257	296	339	382	423	461	495	526	553	574	592
21.25°	299	346	392	436	477	514	548	574	597	612	625
20°	346	395	443	487	527	562	590	610	626	639	652
18.75°	392	443	490	533	570	599	619	636	651	666	679
17.5°	436	487	533	572	603	625	643	660	677	693	707
16.25°	477	527	570	603	626	646	666	685	703	720	737
15°	514	562	599	625	646	668	689	709	730	749	765
13.75°	548	590	619	643	666	689	711	734	756	775	794
12.5°	574	610	636	660	685	709	734	758	780	802	825
11.25°	597	626	651	677	703	730	756	780	805	832	857
10°	612	639	666	693	720	749	775	802	832	861	889
8.75°	625	652	679	707	737	765	794	825	857	889	919
7.5°	635	662	691	721	752	781	812	846	881	915	945
6.25°	643	672	702	733	764	795	829	866	903	937	966
5°	650	680	711	743	774	807	844	883	921	955	984
3.75°	656	686	718	751	782	818	856	897	935	968	997
2.5°	660	691	723	757	789	825	865	906	944	978	1006
1.25°	663	694	726	760	793	830	871	912	950	984	1011
0°	664	695	728	761	794	832	873	914	952	986	1013
-1.25°	663	694	726	760	793	830	871	912	950	984	1011
-2.5°	660	691	723	757	789	825	865	906	944	978	1006
-3.75°	656	686	718	751	782	818	856	897	935	968	997
-5°	650	680	711	743	774	807	844	883	921	955	984
-6.25°	643	672	702	733	764	795	829	866	903	937	966
-7.5°	635	662	691	721	752	781	812	846	881	915	945
-8.75°	625	652	679	707	737	765	794	825	857	889	919
-10°	612	639	666	693	720	749	775	802	832	861	889
-11.25°	597	626	651	677	703	730	756	780	805	832	857
-12.5°	574	610	636	660	685	709	734	758	780	802	825
-13.75°	548	590	619	643	666	689	711	734	756	775	794
-15°	514	562	599	625	646	668	689	709	730	749	765
-16.25°	477	527	570	603	626	646	666	685	703	720	737
-17.5°	436	487	533	572	603	625	643	660	677	693	707
-18.75°	392	443	490	533	570	599	619	636	651	666	679
-20°	346	395	443	487	527	562	590	610	626	639	652
-21.25°	299	346	392	436	477	514	548	574	597	612	625



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	257	296	339	382	423	461	495	526	553	574	592
-23.75°	217	252	287	327	366	403	438	469	498	522	543
-25°	176	210	243	274	308	343	377	408	436	462	484
-26.25°	154	168	198	228	257	284	315	344	372	397	419
-27.5°	136	150	163	182	210	235	260	282	308	331	352
-28.75°	119	131	143	155	166	186	210	231	251	269	286
-30°	108	116	123	135	146	156	165	180	199	216	231
-31.25°	97	104	111	117	125	134	144	152	160	167	177
-32.5°	88	93	99	106	111	117	122	130	137	144	150
-33.75°	79	84	89	94	99	104	109	113	118	121	127
-35°	71	76	80	84	88	92	96	101	105	108	111
-36.25°	64	68	71	75	79	83	86	89	92	95	98
-37.5°	57	60	64	67	70	73	76	79	82	84	87
-38.75°	51	54	56	59	62	65	67	70	72	74	76
-40°	47	49	51	53	55	57	59	62	64	66	67
-41.25°	42	44	46	48	50	51	53	54	55	57	59
-42.5°	39	40	42	43	44	46	47	49	50	51	52
-43.75°	35	36	38	39	40	42	43	44	45	46	47
-45°	32	33	34	35	36	37	39	39	40	41	42
-46.25°	28	30	31	32	33	34	35	35	36	37	38
-47.5°	25	26	27	28	29	30	31	32	33	33	34
-48.75°	22	23	24	25	26	27	28	28	29	30	30
-50°	19	20	21	22	23	23	24	25	25	26	26
-51.25°	15	16	17	18	19	20	21	21	22	22	23
-52.5°	11	12	13	14	15	16	17	17	18	19	19
-53.75°	7	8	9	10	11	12	13	13	14	15	15
-55°	3	4	5	6	7	8	8	9	10	10	11
-56.25°	3	3	3	3	3	3	4	5	5	6	6
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	3	3
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	2	2	2	2	2	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	0	0	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	2	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	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°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	4	3	3	3	3
56.25°	7	7	8	8	8	8	8	8	8	8	8
55°	11	12	12	12	12	13	13	13	12	12	12
53.75°	16	16	16	16	17	17	17	17	17	16	16
52.5°	20	20	20	20	21	21	21	21	21	20	20
51.25°	23	24	24	24	24	24	24	24	24	24	24
50°	27	27	28	28	28	28	28	28	28	28	28
48.75°	31	31	31	31	32	32	32	32	32	31	31
47.5°	34	35	35	35	35	35	36	35	35	35	35
46.25°	38	39	39	39	40	40	40	40	40	39	39
45°	42	43	43	43	44	44	44	44	44	44	43
43.75°	47	48	49	49	49	50	50	50	49	49	49
42.5°	53	54	54	54	55	55	55	55	55	55	54
41.25°	60	61	62	62	64	64	64	64	64	63	62
40°	69	70	71	71	72	73	73	73	72	72	71
38.75°	78	80	81	81	83	83	83	83	83	82	81
37.5°	89	90	91	91	93	94	94	94	93	93	91
36.25°	100	103	104	104	106	107	108	108	107	106	104
35°	114	116	118	118	120	121	121	122	121	120	118



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	132	136	139	142	144	145	146	145	144	142	139
32.5°	155	159	163	166	168	169	170	169	168	166	163
31.25°	190	201	210	217	222	225	226	225	222	217	210
30°	245	256	266	273	278	282	283	282	278	273	266
28.75°	303	318	330	339	346	350	352	350	346	339	330
27.5°	370	386	399	410	417	422	423	422	417	410	399
26.25°	439	455	468	478	486	490	492	490	486	478	468
25°	503	519	532	541	549	553	554	553	549	541	532
23.75°	561	574	585	594	598	601	602	601	598	594	585
22.5°	604	614	622	627	631	633	634	633	631	627	622
21.25°	635	643	650	656	660	663	664	663	660	656	650
20°	662	672	680	686	691	694	695	694	691	686	680
18.75°	691	702	711	718	723	726	728	726	723	718	711
17.5°	721	733	743	751	757	760	761	760	757	751	743
16.25°	752	764	774	782	789	793	794	793	789	782	774
15°	781	795	807	818	825	830	832	830	825	818	807
13.75°	812	829	844	856	865	871	873	871	865	856	844
12.5°	846	866	883	897	906	912	914	912	906	897	883
11.25°	881	903	921	935	944	950	952	950	944	935	921
10°	915	937	955	968	978	984	986	984	978	968	955
8.75°	945	966	984	997	1006	1011	1013	1011	1006	997	984
7.5°	970	991	1008	1020	1029	1034	1035	1034	1029	1020	1008
6.25°	991	1011	1028	1039	1046	1049	1050	1049	1046	1039	1028
5°	1008	1028	1042	1050	1054	1055	1056	1055	1054	1050	1042
3.75°	1020	1039	1050	1055	1056	1056	1056	1056	1056	1055	1050
2.5°	1029	1046	1054	1056	1055	1052	1051	1052	1055	1056	1054
1.25°	1034	1049	1055	1056	1052	1049	1049	1049	1052	1056	1055
0°	1035	1050	1056	1056	1051	1049	1052	1049	1051	1056	1056
-1.25°	1034	1049	1055	1056	1052	1049	1049	1049	1052	1056	1055
-2.5°	1029	1046	1054	1056	1055	1052	1051	1052	1055	1056	1054
-3.75°	1020	1039	1050	1055	1056	1056	1056	1056	1056	1055	1050
-5°	1008	1028	1042	1050	1054	1055	1056	1055	1054	1050	1042
-6.25°	991	1011	1028	1039	1046	1049	1050	1049	1046	1039	1028
-7.5°	970	991	1008	1020	1029	1034	1035	1034	1029	1020	1008
-8.75°	945	966	984	997	1006	1011	1013	1011	1006	997	984
-10°	915	937	955	968	978	984	986	984	978	968	955
-11.25°	881	903	921	935	944	950	952	950	944	935	921
-12.5°	846	866	883	897	906	912	914	912	906	897	883
-13.75°	812	829	844	856	865	871	873	871	865	856	844
-15°	781	795	807	818	825	830	832	830	825	818	807
-16.25°	752	764	774	782	789	793	794	793	789	782	774
-17.5°	721	733	743	751	757	760	761	760	757	751	743
-18.75°	691	702	711	718	723	726	728	726	723	718	711
-20°	662	672	680	686	691	694	695	694	691	686	680
-21.25°	635	643	650	656	660	663	664	663	660	656	650



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	604	614	622	627	631	633	634	633	631	627	622
-23.75°	561	574	585	594	598	601	602	601	598	594	585
-25°	503	519	532	541	549	553	554	553	549	541	532
-26.25°	439	455	468	478	486	490	492	490	486	478	468
-27.5°	370	386	399	410	417	422	423	422	417	410	399
-28.75°	303	318	330	339	346	350	352	350	346	339	330
-30°	245	256	266	273	278	282	283	282	278	273	266
-31.25°	190	201	210	217	222	225	226	225	222	217	210
-32.5°	155	159	163	166	168	169	170	169	168	166	163
-33.75°	132	136	139	142	144	145	146	145	144	142	139
-35°	114	116	118	120	121	121	122	121	121	120	118
-36.25°	100	103	104	106	107	108	108	108	107	106	104
-37.5°	89	90	91	93	93	94	94	94	93	93	91
-38.75°	78	80	81	82	83	83	83	83	83	82	81
-40°	69	70	71	72	72	73	73	73	72	72	71
-41.25°	60	61	62	63	64	64	64	64	64	63	62
-42.5°	53	54	54	55	55	55	55	55	55	55	54
-43.75°	47	48	49	49	49	50	50	50	49	49	49
-45°	42	43	43	44	44	44	44	44	44	44	43
-46.25°	38	39	39	39	40	40	40	40	40	39	39
-47.5°	34	35	35	35	35	35	36	35	35	35	35
-48.75°	31	31	31	31	32	32	32	32	32	31	31
-50°	27	27	28	28	28	28	28	28	28	28	28
-51.25°	23	24	24	24	24	24	24	24	24	24	24
-52.5°	20	20	20	20	21	21	21	21	21	20	20
-53.75°	16	16	16	16	17	17	17	17	17	16	16
-55°	11	12	12	12	12	13	13	13	12	12	12
-56.25°	7	7	8	8	8	8	8	8	8	8	8
-57.5°	3	3	3	3	3	3	4	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	1	1	1	1	1	1	2	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	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	2
60°	3	3	3	3	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	7	7	6	6	5	5	4	3	3	3	3
55°	12	11	11	10	10	9	8	8	7	6	5
53.75°	16	16	15	15	14	13	13	12	11	10	9
52.5°	20	20	19	19	18	17	17	16	15	14	13
51.25°	24	23	23	22	22	21	21	20	19	18	17
50°	27	27	26	26	25	25	24	23	23	22	21
48.75°	31	31	30	30	29	28	28	27	26	25	24
47.5°	35	34	34	33	33	32	31	30	29	28	27
46.25°	39	38	38	37	36	35	35	34	33	32	31
45°	43	42	42	41	40	39	39	37	36	35	34
43.75°	48	47	47	46	45	44	43	42	40	39	38
42.5°	54	53	52	51	50	49	47	46	44	43	42
41.25°	61	60	59	57	55	54	53	51	50	48	46
40°	70	69	67	66	64	62	59	57	55	53	51
38.75°	80	78	76	74	72	70	67	65	62	59	56
37.5°	90	89	87	84	82	79	76	73	70	67	64
36.25°	103	100	98	95	92	89	86	83	79	75	71
35°	116	114	111	108	105	101	96	92	88	84	80



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	136	132	127	121	118	113	109	104	99	94	89
32.5°	159	155	150	144	137	130	122	117	111	106	99
31.25°	201	190	177	167	160	152	144	134	125	117	111
30°	256	245	231	216	199	180	165	156	146	135	123
28.75°	318	303	286	269	251	231	210	186	166	155	143
27.5°	386	370	352	331	308	282	260	235	210	182	163
26.25°	455	439	419	397	372	344	315	284	257	228	198
25°	519	503	484	462	436	408	377	343	308	274	243
23.75°	574	561	543	522	498	469	438	403	366	327	287
22.5°	614	604	592	574	553	526	495	461	423	382	339
21.25°	643	635	625	612	597	574	548	514	477	436	392
20°	672	662	652	639	626	610	590	562	527	487	443
18.75°	702	691	679	666	651	636	619	599	570	533	490
17.5°	733	721	707	693	677	660	643	625	603	572	533
16.25°	764	752	737	720	703	685	666	646	626	603	570
15°	795	781	765	749	730	709	689	668	646	625	599
13.75°	829	812	794	775	756	734	711	689	666	643	619
12.5°	866	846	825	802	780	758	734	709	685	660	636
11.25°	903	881	857	832	805	780	756	730	703	677	651
10°	937	915	889	861	832	802	775	749	720	693	666
8.75°	966	945	919	889	857	825	794	765	737	707	679
7.5°	991	970	945	915	881	846	812	781	752	721	691
6.25°	1011	991	966	937	903	866	829	795	764	733	702
5°	1028	1008	984	955	921	883	844	807	774	743	711
3.75°	1039	1020	997	968	935	897	856	818	782	751	718
2.5°	1046	1029	1006	978	944	906	865	825	789	757	723
1.25°	1049	1034	1011	984	950	912	871	830	793	760	726
0°	1050	1035	1013	986	952	914	873	832	794	761	728
-1.25°	1049	1034	1011	984	950	912	871	830	793	760	726
-2.5°	1046	1029	1006	978	944	906	865	825	789	757	723
-3.75°	1039	1020	997	968	935	897	856	818	782	751	718
-5°	1028	1008	984	955	921	883	844	807	774	743	711
-6.25°	1011	991	966	937	903	866	829	795	764	733	702
-7.5°	991	970	945	915	881	846	812	781	752	721	691
-8.75°	966	945	919	889	857	825	794	765	737	707	679
-10°	937	915	889	861	832	802	775	749	720	693	666
-11.25°	903	881	857	832	805	780	756	730	703	677	651
-12.5°	866	846	825	802	780	758	734	709	685	660	636
-13.75°	829	812	794	775	756	734	711	689	666	643	619
-15°	795	781	765	749	730	709	689	668	646	625	599
-16.25°	764	752	737	720	703	685	666	646	626	603	570
-17.5°	733	721	707	693	677	660	643	625	603	572	533
-18.75°	702	691	679	666	651	636	619	599	570	533	490
-20°	672	662	652	639	626	610	590	562	527	487	443
-21.25°	643	635	625	612	597	574	548	514	477	436	392



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	614	604	592	574	553	526	495	461	423	382	339
-23.75°	574	561	543	522	498	469	438	403	366	327	287
-25°	519	503	484	462	436	408	377	343	308	274	243
-26.25°	455	439	419	397	372	344	315	284	257	228	198
-27.5°	386	370	352	331	308	282	260	235	210	182	163
-28.75°	318	303	286	269	251	231	210	186	166	155	143
-30°	256	245	231	216	199	180	165	156	146	135	123
-31.25°	201	190	177	167	160	152	144	134	125	117	111
-32.5°	159	155	150	144	137	130	122	117	111	106	99
-33.75°	136	132	127	121	118	113	109	104	99	94	89
-35°	116	114	111	108	105	101	96	92	88	84	80
-36.25°	103	100	98	95	92	89	86	83	79	75	71
-37.5°	90	89	87	84	82	79	76	73	70	67	64
-38.75°	80	78	76	74	72	70	67	65	62	59	56
-40°	70	69	67	66	64	62	59	57	55	53	51
-41.25°	61	60	59	57	55	54	53	51	50	48	46
-42.5°	54	53	52	51	50	49	47	46	44	43	42
-43.75°	48	47	47	46	45	44	43	42	40	39	38
-45°	43	42	42	41	40	39	39	37	36	35	34
-46.25°	39	38	38	37	36	35	35	34	33	32	31
-47.5°	35	34	34	33	33	32	31	30	29	28	27
-48.75°	31	31	30	30	29	28	28	27	26	25	24
-50°	27	27	26	26	25	25	24	23	23	22	21
-51.25°	24	23	23	22	22	21	21	20	19	18	17
-52.5°	20	20	19	19	18	17	17	16	15	14	13
-53.75°	16	16	15	15	14	13	13	12	11	10	9
-55°	12	11	11	10	10	9	8	8	7	6	5
-56.25°	7	7	6	6	5	5	4	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	1	1	1	1	1	1	1	1	0	0	0
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	2	2	2	2	2	2	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	2	2	2	2	2	2	2
56.25°	3	3	3	3	3	3	3	2	2	2	2
55°	4	3	3	3	3	3	3	3	3	2	2
53.75°	8	7	6	4	3	3	3	3	3	3	3
52.5°	12	11	10	8	7	6	4	3	3	3	3
51.25°	16	15	14	12	11	10	8	6	5	3	3
50°	20	19	17	16	15	13	12	10	8	7	5
48.75°	23	22	21	20	18	17	15	14	12	10	8
47.5°	26	25	24	23	22	20	19	17	15	14	12
46.25°	30	28	27	26	25	23	22	20	18	17	15
45°	33	32	30	29	28	26	25	23	22	20	18
43.75°	36	35	34	32	31	29	28	26	24	23	21
42.5°	40	39	37	35	34	32	31	29	27	25	24
41.25°	44	42	41	39	37	35	34	32	30	28	26
40°	49	47	44	42	41	39	37	35	33	31	29
38.75°	54	51	49	47	44	42	40	38	35	33	31
37.5°	60	57	54	51	49	46	43	41	39	36	34
36.25°	68	64	60	56	53	50	47	44	42	39	37
35°	76	71	67	63	58	54	51	48	45	42	40



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	84	79	74	70	65	60	56	52	49	45	42
32.5°	93	88	83	77	72	67	62	57	53	49	46
31.25°	104	97	91	85	79	73	68	63	57	53	49
30°	116	108	101	93	87	81	74	69	63	57	53
28.75°	131	119	112	104	95	88	82	75	69	63	57
27.5°	150	136	122	114	105	96	89	82	74	68	62
26.25°	168	154	140	125	115	106	96	88	81	73	67
25°	210	176	157	142	126	115	105	95	87	79	72
23.75°	252	217	180	158	142	125	114	104	93	85	77
22.5°	296	257	219	180	157	140	122	112	101	91	83
21.25°	346	299	257	217	176	154	136	119	108	97	88
20°	395	346	296	252	210	168	150	131	116	104	93
18.75°	443	392	339	287	243	198	163	143	123	111	99
17.5°	487	436	382	327	274	228	182	155	135	117	106
16.25°	527	477	423	366	308	257	210	166	146	125	111
15°	562	514	461	403	343	284	235	186	156	134	117
13.75°	590	548	495	438	377	315	260	210	165	144	122
12.5°	610	574	526	469	408	344	282	231	180	152	130
11.25°	626	597	553	498	436	372	308	251	199	160	137
10°	639	612	574	522	462	397	331	269	216	167	144
8.75°	652	625	592	543	484	419	352	286	231	177	150
7.5°	662	635	604	561	503	439	370	303	245	190	155
6.25°	672	643	614	574	519	455	386	318	256	201	159
5°	680	650	622	585	532	468	399	330	266	210	163
3.75°	686	656	627	594	541	478	410	339	273	217	166
2.5°	691	660	631	598	549	486	417	346	278	222	168
1.25°	694	663	633	601	553	490	422	350	282	225	169
0°	695	664	634	602	554	492	423	352	283	226	170
-1.25°	694	663	633	601	553	490	422	350	282	225	169
-2.5°	691	660	631	598	549	486	417	346	278	222	168
-3.75°	686	656	627	594	541	478	410	339	273	217	166
-5°	680	650	622	585	532	468	399	330	266	210	163
-6.25°	672	643	614	574	519	455	386	318	256	201	159
-7.5°	662	635	604	561	503	439	370	303	245	190	155
-8.75°	652	625	592	543	484	419	352	286	231	177	150
-10°	639	612	574	522	462	397	331	269	216	167	144
-11.25°	626	597	553	498	436	372	308	251	199	160	137
-12.5°	610	574	526	469	408	344	282	231	180	152	130
-13.75°	590	548	495	438	377	315	260	210	165	144	122
-15°	562	514	461	403	343	284	235	186	156	134	117
-16.25°	527	477	423	366	308	257	210	166	146	125	111
-17.5°	487	436	382	327	274	228	182	155	135	117	106
-18.75°	443	392	339	287	243	198	163	143	123	111	99
-20°	395	346	296	252	210	168	150	131	116	104	93
-21.25°	346	299	257	217	176	154	136	119	108	97	88



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	296	257	219	180	157	140	122	112	101	91	83
-23.75°	252	217	180	158	142	125	114	104	93	85	77
-25°	210	176	157	142	126	115	105	95	87	79	72
-26.25°	168	154	140	125	115	106	96	88	81	73	67
-27.5°	150	136	122	114	105	96	89	82	74	68	62
-28.75°	131	119	112	104	95	88	82	75	69	63	57
-30°	116	108	101	93	87	81	74	69	63	57	53
-31.25°	104	97	91	85	79	73	68	63	57	53	49
-32.5°	93	88	83	77	72	67	62	57	53	49	46
-33.75°	84	79	74	70	65	60	56	52	49	45	42
-35°	76	71	67	63	58	54	51	48	45	42	40
-36.25°	68	64	60	56	53	50	47	44	42	39	37
-37.5°	60	57	54	51	49	46	43	41	39	36	34
-38.75°	54	51	49	47	44	42	40	38	35	33	31
-40°	49	47	44	42	41	39	37	35	33	31	29
-41.25°	44	42	41	39	37	35	34	32	30	28	26
-42.5°	40	39	37	35	34	32	31	29	27	25	24
-43.75°	36	35	34	32	31	29	28	26	24	23	21
-45°	33	32	30	29	28	26	25	23	22	20	18
-46.25°	30	28	27	26	25	23	22	20	18	17	15
-47.5°	26	25	24	23	22	20	19	17	15	14	12
-48.75°	23	22	21	20	18	17	15	14	12	10	8
-50°	20	19	17	16	15	13	12	10	8	7	5
-51.25°	16	15	14	12	11	10	8	6	5	3	3
-52.5°	12	11	10	8	7	6	4	3	3	3	3
-53.75°	8	7	6	4	3	3	3	3	3	3	3
-55°	4	3	3	3	3	3	3	3	3	2	2
-56.25°	3	3	3	3	3	3	3	2	2	2	2
-57.5°	3	3	3	3	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	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	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: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	1	1	1	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	0	0	0	0
71.25°	1	1	1	1	1	1	1	1	1	1	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	1
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	2	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	3	2	2	2	2	2
48.75°	6	4	3	3	3	3	3	2	2	2	2
47.5°	10	8	5	3	3	3	3	3	2	2	2
46.25°	13	11	9	6	4	3	3	3	3	2	2
45°	16	14	12	9	7	5	3	3	3	3	2
43.75°	19	17	15	12	10	7	5	3	3	3	3
42.5°	22	20	17	15	13	10	8	5	3	3	3
41.25°	24	22	20	18	16	13	10	8	5	3	3
40°	27	25	23	21	18	16	13	10	7	5	3
38.75°	29	27	25	23	21	18	16	13	10	7	4
37.5°	32	30	27	25	23	21	18	15	12	9	6
36.25°	34	32	30	27	25	23	20	17	15	12	9
35°	37	34	32	30	27	25	22	20	17	14	11



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	40	37	34	32	29	27	24	22	19	16	13
32.5°	42	40	37	34	31	29	26	24	21	18	15
31.25°	45	42	39	36	33	31	28	25	23	20	17
30°	49	45	42	39	35	33	30	27	24	22	18
28.75°	52	48	44	41	38	35	32	29	26	23	20
27.5°	56	51	47	43	40	37	34	31	28	25	22
26.25°	60	54	50	46	42	39	35	32	29	26	23
25°	65	58	53	49	44	41	37	34	31	28	25
23.75°	70	63	56	51	47	42	39	35	32	29	26
22.5°	74	67	60	54	49	44	41	37	34	30	27
21.25°	79	71	64	57	51	47	42	39	35	32	28
20°	84	76	68	60	54	49	44	40	36	33	30
18.75°	89	80	71	64	56	51	46	42	38	34	31
17.5°	94	84	75	67	59	53	48	43	39	35	32
16.25°	99	88	79	70	62	55	50	44	40	36	33
15°	104	92	83	73	65	57	51	46	42	37	34
13.75°	109	96	86	76	67	59	53	47	43	39	35
12.5°	113	101	89	79	70	62	54	49	44	39	35
11.25°	118	105	92	82	72	64	55	50	45	40	36
10°	121	108	95	84	74	66	57	51	46	41	37
8.75°	127	111	98	87	76	67	59	52	47	42	38
7.5°	132	114	100	89	78	69	60	53	47	42	38
6.25°	136	116	103	90	80	70	61	54	48	43	39
5°	139	118	104	91	81	71	62	54	49	43	39
3.75°	142	120	106	93	82	72	63	55	49	44	39
2.5°	144	121	107	93	83	72	64	55	49	44	40
1.25°	145	121	108	94	83	73	64	55	50	44	40
0°	146	122	108	94	83	73	64	55	50	44	40
-1.25°	145	121	108	94	83	73	64	55	50	44	40
-2.5°	144	121	107	93	83	72	64	55	49	44	40
-3.75°	142	120	106	93	82	72	63	55	49	44	39
-5°	139	118	104	91	81	71	62	54	49	43	39
-6.25°	136	116	103	90	80	70	61	54	48	43	39
-7.5°	132	114	100	89	78	69	60	53	47	42	38
-8.75°	127	111	98	87	76	67	59	52	47	42	38
-10°	121	108	95	84	74	66	57	51	46	41	37
-11.25°	118	105	92	82	72	64	55	50	45	40	36
-12.5°	113	101	89	79	70	62	54	49	44	39	35
-13.75°	109	96	86	76	67	59	53	47	43	39	35
-15°	104	92	83	73	65	57	51	46	42	37	34
-16.25°	99	88	79	70	62	55	50	44	40	36	33
-17.5°	94	84	75	67	59	53	48	43	39	35	32
-18.75°	89	80	71	64	56	51	46	42	38	34	31
-20°	84	76	68	60	54	49	44	40	36	33	30
-21.25°	79	71	64	57	51	47	42	39	35	32	28



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	74	67	60	54	49	44	41	37	34	30	27
-23.75°	70	63	56	51	47	42	39	35	32	29	26
-25°	65	58	53	49	44	41	37	34	31	28	25
-26.25°	60	54	50	46	42	39	35	32	29	26	23
-27.5°	56	51	47	43	40	37	34	31	28	25	22
-28.75°	52	48	44	41	38	35	32	29	26	23	20
-30°	49	45	42	39	35	33	30	27	24	22	18
-31.25°	45	42	39	36	33	31	28	25	23	20	17
-32.5°	42	40	37	34	31	29	26	24	21	18	15
-33.75°	40	37	34	32	29	27	24	22	19	16	13
-35°	37	34	32	30	27	25	22	20	17	14	11
-36.25°	34	32	30	27	25	23	20	17	15	12	9
-37.5°	32	30	27	25	23	21	18	15	12	9	6
-38.75°	29	27	25	23	21	18	16	13	10	7	4
-40°	27	25	23	21	18	16	13	10	7	5	3
-41.25°	24	22	20	18	16	13	10	8	5	3	3
-42.5°	22	20	17	15	13	10	8	5	3	3	3
-43.75°	19	17	15	12	10	7	5	3	3	3	3
-45°	16	14	12	9	7	5	3	3	3	3	2
-46.25°	13	11	9	6	4	3	3	3	3	2	2
-47.5°	10	8	5	3	3	3	3	3	2	2	2
-48.75°	6	4	3	3	3	3	3	2	2	2	2
-50°	3	3	3	3	3	3	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	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	1
-63.75°	2	2	2	2	2	2	2	2	1	1	1
-65°	2	2	2	2	2	2	1	1	1	1	1
-66.25°	2	2	2	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	0
-72.5°	1	1	1	1	1	1	1	0	0	0	0
-73.75°	1	1	1	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: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	1	1	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	0	0	0	0	0
66.25°	1	1	1	1	1	1	1	0	0	0	0
65°	1	1	1	1	1	1	1	1	1	0	0
63.75°	1	1	1	1	1	1	1	1	1	1	0
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	2	1	1	1	1	1	1	1	1	1	1
60°	2	2	1	1	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	2	1	1	1	1
53.75°	2	2	2	2	2	2	2	2	1	1	1
52.5°	2	2	2	2	2	2	2	2	2	1	1
51.25°	2	2	2	2	2	2	2	2	2	2	1
50°	2	2	2	2	2	2	2	2	2	2	1
48.75°	2	2	2	2	2	2	2	2	2	2	2
47.5°	2	2	2	2	2	2	2	2	2	2	2
46.25°	2	2	2	2	2	2	2	2	2	2	2
45°	2	2	2	2	2	2	2	2	2	2	2
43.75°	2	2	2	2	2	2	2	2	2	2	2
42.5°	3	2	2	2	2	2	2	2	2	2	2
41.25°	3	3	2	2	2	2	2	2	2	2	2
40°	3	3	3	2	2	2	2	2	2	2	2
38.75°	3	3	3	2	2	2	2	2	2	2	2
37.5°	3	3	3	3	2	2	2	2	2	2	2
36.25°	5	3	3	3	3	2	2	2	2	2	2
35°	8	4	3	3	3	2	2	2	2	2	2



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	10	6	3	3	3	3	2	2	2	2	2
32.5°	12	8	5	3	3	3	2	2	2	2	2
31.25°	14	10	7	3	3	3	2	2	2	2	2
30°	15	12	8	5	3	3	3	2	2	2	2
28.75°	17	14	10	6	3	3	3	2	2	2	2
27.5°	19	15	12	8	4	3	3	3	2	2	2
26.25°	20	17	13	10	6	3	3	3	2	2	2
25°	22	18	15	11	7	3	3	3	2	2	2
23.75°	23	20	16	12	8	4	3	3	3	2	2
22.5°	24	21	17	14	10	6	3	3	3	2	2
21.25°	25	22	19	15	11	7	3	3	3	2	2
20°	26	23	20	16	12	8	4	3	3	2	2
18.75°	27	24	21	17	13	9	5	3	3	3	2
17.5°	28	25	22	18	14	10	6	3	3	3	2
16.25°	29	26	23	19	15	11	7	3	3	3	2
15°	30	27	23	20	16	12	8	3	3	3	2
13.75°	31	28	24	21	17	13	8	4	3	3	2
12.5°	32	28	25	21	17	13	9	5	3	3	2
11.25°	33	29	25	22	18	14	10	5	3	3	2
10°	33	30	26	22	19	15	10	6	3	3	3
8.75°	34	30	26	23	19	15	11	6	3	3	3
7.5°	34	31	27	23	20	16	11	7	3	3	3
6.25°	35	31	27	24	20	16	12	7	3	3	3
5°	35	31	28	24	20	16	12	8	3	3	3
3.75°	35	31	28	24	20	16	12	8	3	3	3
2.5°	35	32	28	24	21	17	12	8	3	3	3
1.25°	35	32	28	24	21	17	13	8	3	3	3
0°	36	32	28	24	21	17	13	8	4	3	3
-1.25°	35	32	28	24	21	17	12	8	3	3	3
-2.5°	35	32	28	24	21	17	12	8	3	3	3
-3.75°	35	31	28	24	20	16	12	8	3	3	3
-5°	35	31	28	24	20	16	12	8	3	3	3
-6.25°	35	31	27	24	20	16	12	7	3	3	3
-7.5°	34	31	27	23	20	16	11	7	3	3	3
-8.75°	34	30	26	23	19	15	11	6	3	3	3
-10°	33	30	26	22	19	15	10	6	3	3	3
-11.25°	33	29	25	22	18	14	10	5	3	3	2
-12.5°	32	28	25	21	17	13	9	5	3	3	2
-13.75°	31	28	24	21	17	13	8	4	3	3	2
-15°	30	27	23	20	16	12	8	3	3	3	2
-16.25°	29	26	23	19	15	11	7	3	3	3	2
-17.5°	28	25	22	18	14	10	6	3	3	3	2
-18.75°	27	24	21	17	13	9	5	3	3	3	2
-20°	26	23	20	16	12	8	4	3	3	2	2
-21.25°	25	22	19	15	11	7	3	3	3	2	2



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	24	21	17	14	10	6	3	3	3	2	2
-23.75°	23	20	16	12	8	4	3	3	3	2	2
-25°	22	18	15	11	7	3	3	3	2	2	2
-26.25°	20	17	13	10	6	3	3	3	2	2	2
-27.5°	19	15	12	8	4	3	3	3	2	2	2
-28.75°	17	14	10	6	3	3	3	2	2	2	2
-30°	15	12	8	5	3	3	3	2	2	2	2
-31.25°	14	10	7	3	3	3	2	2	2	2	2
-32.5°	12	8	5	3	3	3	2	2	2	2	2
-33.75°	10	6	3	3	3	3	2	2	2	2	2
-35°	8	4	3	3	3	2	2	2	2	2	2
-36.25°	5	3	3	3	3	2	2	2	2	2	2
-37.5°	3	3	3	3	2	2	2	2	2	2	2
-38.75°	3	3	3	2	2	2	2	2	2	2	2
-40°	3	3	3	2	2	2	2	2	2	2	2
-41.25°	3	3	2	2	2	2	2	2	2	2	2
-42.5°	3	2	2	2	2	2	2	2	2	2	2
-43.75°	2	2	2	2	2	2	2	2	2	2	2
-45°	2	2	2	2	2	2	2	2	2	2	2
-46.25°	2	2	2	2	2	2	2	2	2	2	2
-47.5°	2	2	2	2	2	2	2	2	2	2	2
-48.75°	2	2	2	2	2	2	2	2	2	2	2
-50°	2	2	2	2	2	2	2	2	2	2	1
-51.25°	2	2	2	2	2	2	2	2	2	2	1
-52.5°	2	2	2	2	2	2	2	2	2	1	1
-53.75°	2	2	2	2	2	2	2	2	1	1	1
-55°	2	2	2	2	2	2	2	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	1	1	1	1	1	1	1	1	1
-61.25°	2	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	0
-65°	1	1	1	1	1	1	1	1	1	0	0
-66.25°	1	1	1	1	1	1	1	0	0	0	0
-67.5°	1	1	1	1	1	1	0	0	0	0	0
-68.75°	1	1	1	1	0	0	0	0	0	0	0
-70°	1	1	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: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	1	0	0	0	0	0	0	0	0	0	0
60°	1	1	0	0	0	0	0	0	0	0	0
58.75°	1	1	1	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	0	0	0	0	0	0	0
56.25°	1	1	1	1	0	0	0	0	0	0	0
55°	1	1	1	1	1	0	0	0	0	0	0
53.75°	1	1	1	1	1	1	0	0	0	0	0
52.5°	1	1	1	1	1	1	0	0	0	0	0
51.25°	1	1	1	1	1	1	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°	2	1	1	1	1	1	1	1	0	0	0
46.25°	2	1	1	1	1	1	1	1	0	0	0
45°	2	2	1	1	1	1	1	1	1	0	0
43.75°	2	2	1	1	1	1	1	1	1	0	0
42.5°	2	2	2	1	1	1	1	1	1	0	0
41.25°	2	2	2	1	1	1	1	1	1	1	0
40°	2	2	2	2	1	1	1	1	1	1	0
38.75°	2	2	2	2	1	1	1	1	1	1	0
37.5°	2	2	2	2	1	1	1	1	1	1	0
36.25°	2	2	2	2	2	1	1	1	1	1	1
35°	2	2	2	2	2	1	1	1	1	1	1



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	2	2	2	2	2	2	2	1	1	1	1
-23.75°	2	2	2	2	2	2	2	1	1	1	1
-25°	2	2	2	2	2	2	2	1	1	1	1
-26.25°	2	2	2	2	2	2	2	1	1	1	1
-27.5°	2	2	2	2	2	2	2	1	1	1	1
-28.75°	2	2	2	2	2	2	1	1	1	1	1
-30°	2	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	2	1	1	1	1	1
-33.75°	2	2	2	2	2	1	1	1	1	1	1
-35°	2	2	2	2	2	1	1	1	1	1	1
-36.25°	2	2	2	2	2	1	1	1	1	1	1
-37.5°	2	2	2	2	1	1	1	1	1	1	0
-38.75°	2	2	2	2	1	1	1	1	1	1	0
-40°	2	2	2	2	1	1	1	1	1	1	0
-41.25°	2	2	2	1	1	1	1	1	1	1	0
-42.5°	2	2	2	1	1	1	1	1	1	0	0
-43.75°	2	2	1	1	1	1	1	1	1	0	0
-45°	2	2	1	1	1	1	1	1	1	0	0
-46.25°	2	1	1	1	1	1	1	1	0	0	0
-47.5°	2	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	0	0	0	0	0
-53.75°	1	1	1	1	1	1	0	0	0	0	0
-55°	1	1	1	1	1	0	0	0	0	0	0
-56.25°	1	1	1	1	0	0	0	0	0	0	0
-57.5°	1	1	1	1	0	0	0	0	0	0	0
-58.75°	1	1	1	0	0	0	0	0	0	0	0
-60°	1	1	0	0	0	0	0	0	0	0	0
-61.25°	1	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	1	0	0	0	0	0	0	0	0	0	0
-23.75°	1	0	0	0	0	0	0	0	0	0	0
-25°	1	0	0	0	0	0	0	0	0	0	0
-26.25°	1	0	0	0	0	0	0	0	0	0	0
-27.5°	1	0	0	0	0	0	0	0	0	0	0
-28.75°	1	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: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)