

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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT
OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

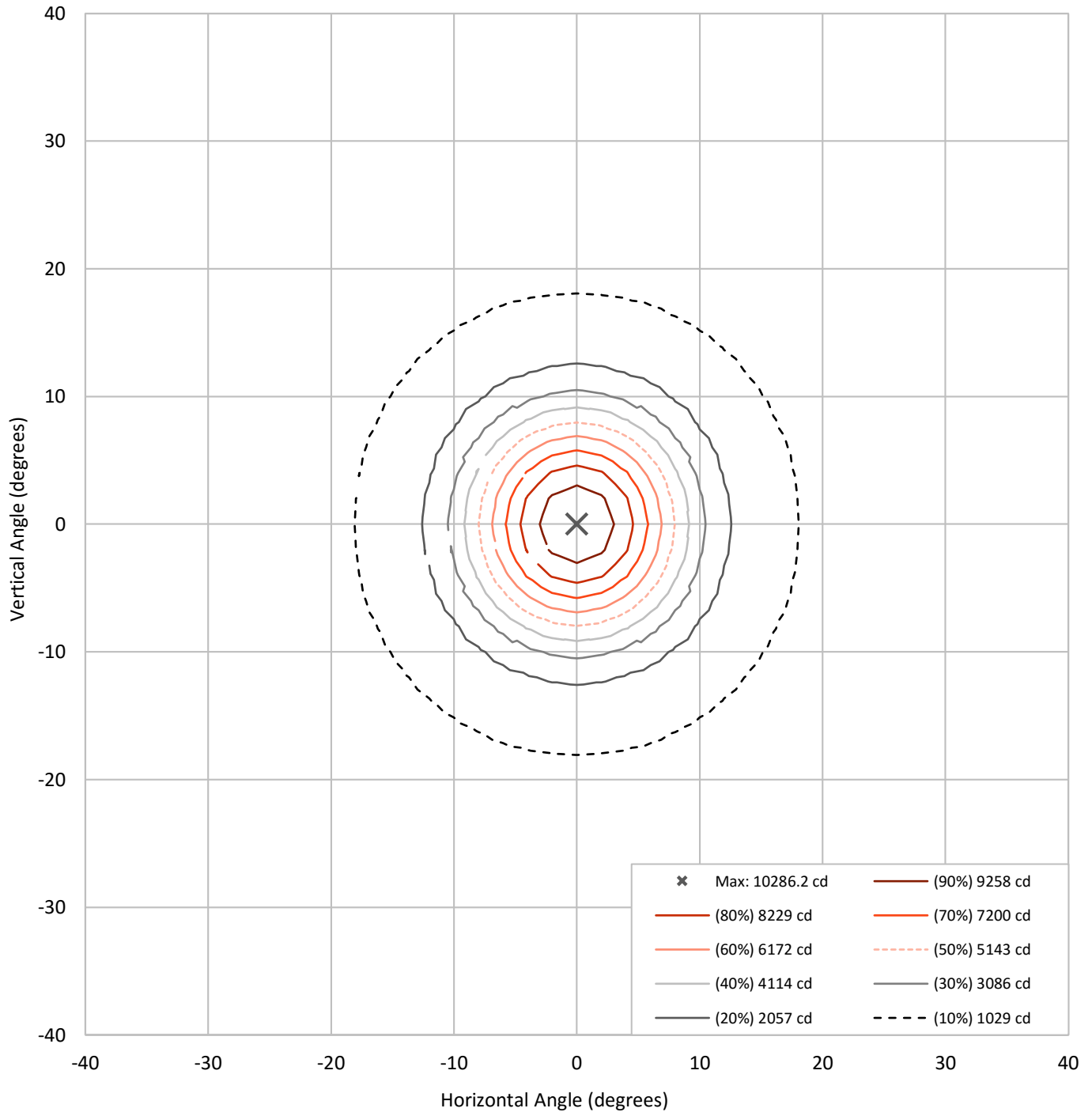
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1354.6 lumens	Max Intensity:	10286.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	67.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	16°H x 16°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	442.3 lumens	Field Lumens:	953.8 lumens
Beam Efficiency:	32.7%	Field Efficiency:	70.4%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





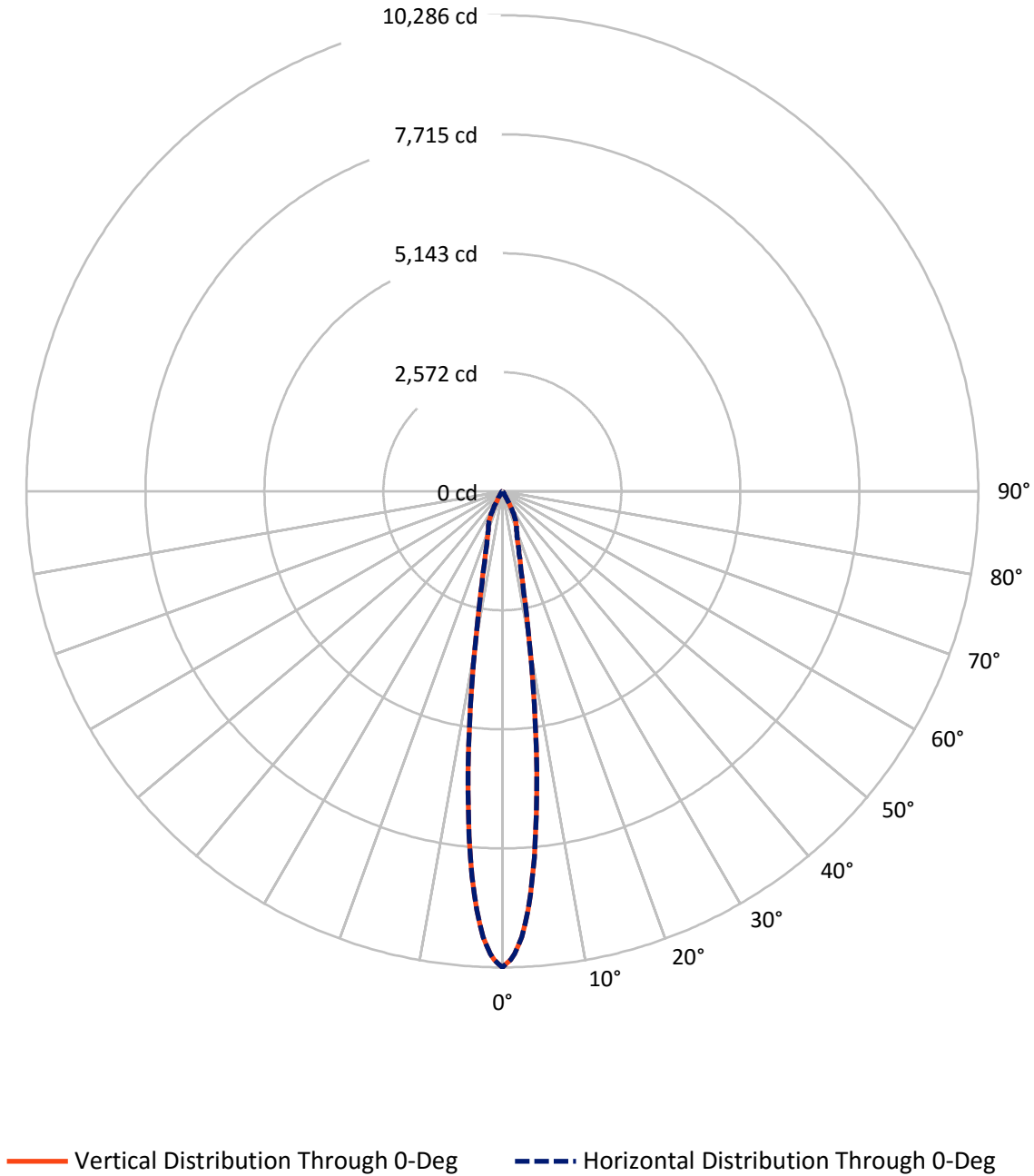
REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
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	0.1	0.0	0.0	0.0	
60		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0		0.0
50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	
40		0.0	0.1	0.1	0.1	0.3	0.8	1.8	1.8	0.8	0.3	0.1	0.1		0.1
30	0.0	0.0	0.1	0.1	0.3	1.9	9.9	17.4	17.4	9.9	1.9	0.3	0.1	0.1	0.0
20		0.0	0.1	0.1	0.7	9.4	25.1	42.5	42.5	25.1	9.4	0.7	0.1	0.1	
10	0.0	0.0	0.1	0.2	1.5	15.9	41.3	166.7	166.7	41.3	15.9	1.5	0.2	0.1	0.0
0		0.0	0.1	0.2	1.5	15.9	41.3	166.7	166.7	41.3	15.9	1.5	0.2	0.1	
-10	0.0	0.0	0.1	0.1	0.7	9.4	25.1	42.5	42.5	25.1	9.4	0.7	0.1	0.1	0.0
-20		0.0	0.1	0.1	0.3	1.9	9.9	17.4	17.4	9.9	1.9	0.3	0.1	0.1	
-30	0.0	0.0	0.1	0.1	0.1	0.3	0.8	1.8	1.8	0.8	0.3	0.1	0.1	0.1	0.0
-40		0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
-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	
-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	0.0	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	

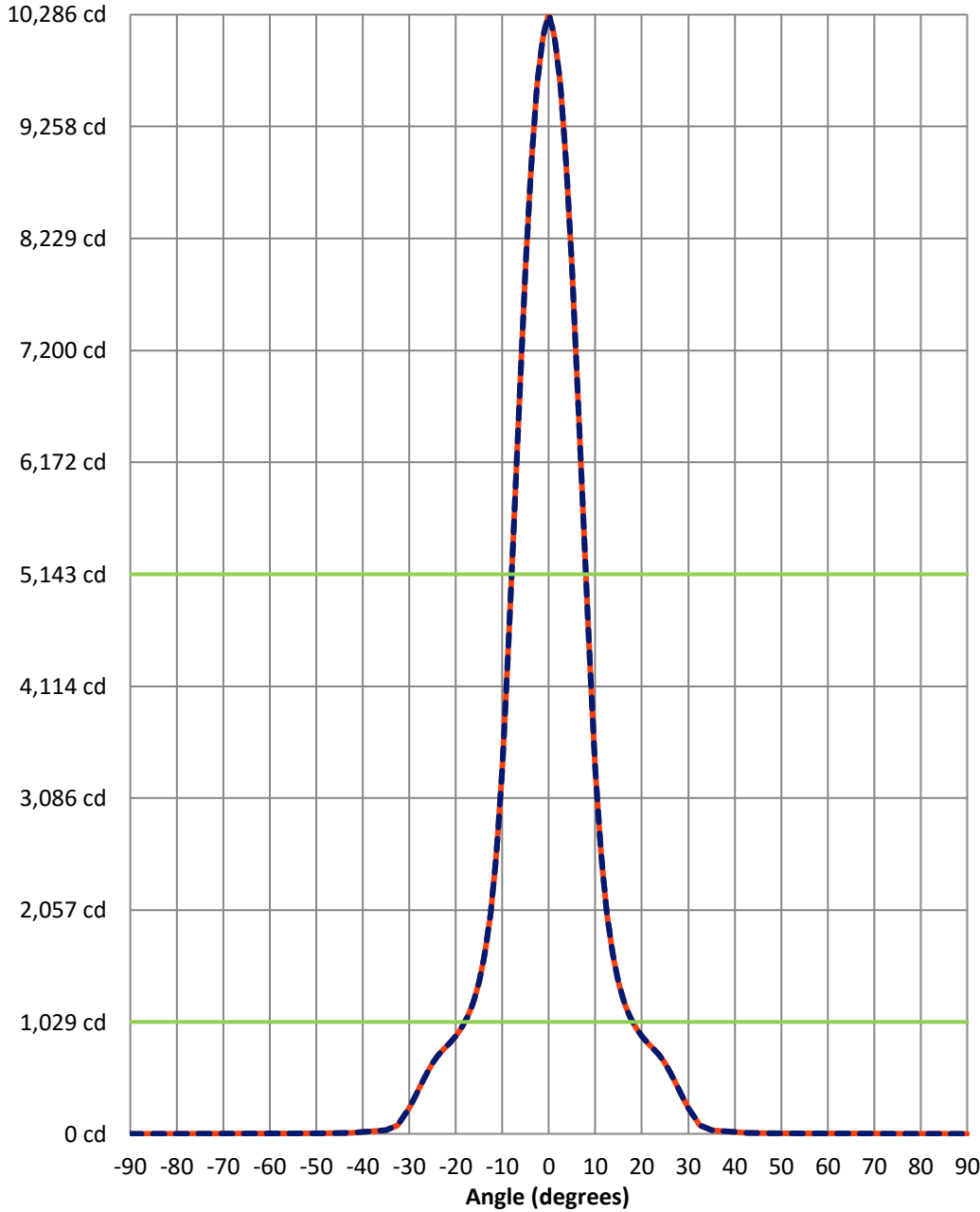
REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 16°
 V Angle: 16°
 Lumens: 442.3
 Efficiency: 32.7%

Field:
 H Angle: 36.1°
 V Angle: 36.1°
 Lumens: 953.8
 Efficiency: 70.4%

Spill:
 Lumens: 400.9
 Efficiency: 29.6%

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	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	1
11.25°	0	0	0	0	1	1	1	1	1	1	1
10°	0	0	0	0	1	1	1	1	1	1	1
8.75°	0	0	0	0	1	1	1	1	1	1	1
7.5°	0	0	0	0	1	1	1	1	1	1	1
6.25°	0	0	0	0	1	1	1	1	1	1	1
5°	0	0	0	0	1	1	1	1	1	1	1
3.75°	0	0	0	0	1	1	1	1	1	1	1
2.5°	0	0	0	0	1	1	1	1	1	1	1
1.25°	0	0	0	0	1	1	1	1	1	1	1
0°	0	0	0	0	1	1	1	1	1	1	1
-1.25°	0	0	0	0	1	1	1	1	1	1	1
-2.5°	0	0	0	0	1	1	1	1	1	1	1
-3.75°	0	0	0	0	1	1	1	1	1	1	1
-5°	0	0	0	0	1	1	1	1	1	1	1
-6.25°	0	0	0	0	1	1	1	1	1	1	1
-7.5°	0	0	0	0	1	1	1	1	1	1	1
-8.75°	0	0	0	0	1	1	1	1	1	1	1
-10°	0	0	0	0	1	1	1	1	1	1	1
-11.25°	0	0	0	0	1	1	1	1	1	1	1
-12.5°	0	0	0	0	1	1	1	1	1	1	1
-13.75°	0	0	0	0	1	1	1	1	1	1	1
-15°	0	0	0	0	1	1	1	1	1	1	1
-16.25°	0	0	0	0	1	1	1	1	1	1	1
-17.5°	0	0	0	0	1	1	1	1	1	1	1
-18.75°	0	0	0	0	1	1	1	1	1	1	1
-20°	0	0	0	0	1	1	1	1	1	1	1
-21.25°	0	0	0	0	1	1	1	1	1	1	1



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	1	1	1	1	1	1	1
-23.75°	0	0	0	0	1	1	1	1	1	1	1
-25°	0	0	0	0	1	1	1	1	1	1	1
-26.25°	0	0	0	0	1	1	1	1	1	1	1
-27.5°	0	0	0	0	1	1	1	1	1	1	1
-28.75°	0	0	0	0	1	1	1	1	1	1	1
-30°	0	0	0	0	1	1	1	1	1	1	1
-31.25°	0	0	0	0	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	1	1	1	1	2	2	2	2	2	2	2
32.5°	1	1	1	2	2	2	2	2	2	2	2
31.25°	1	1	1	2	2	2	2	2	2	2	2
30°	1	1	1	2	2	2	2	2	2	2	2
28.75°	1	1	1	2	2	2	2	2	2	2	3
27.5°	1	1	1	2	2	2	2	2	2	2	3
26.25°	1	1	1	2	2	2	2	2	2	2	3
25°	1	1	2	2	2	2	2	2	2	2	3
23.75°	1	1	2	2	2	2	2	2	2	2	3
22.5°	1	1	2	2	2	2	2	2	2	3	3
21.25°	1	1	2	2	2	2	2	2	2	3	3
20°	1	1	2	2	2	2	2	2	2	3	3
18.75°	1	1	2	2	2	2	2	2	2	3	3
17.5°	1	1	2	2	2	2	2	2	2	3	3
16.25°	1	1	2	2	2	2	2	2	2	3	3
15°	1	1	2	2	2	2	2	2	3	3	3
13.75°	1	1	2	2	2	2	2	2	3	3	3
12.5°	1	1	2	2	2	2	2	2	3	3	3
11.25°	1	2	2	2	2	2	2	2	3	3	3
10°	1	2	2	2	2	2	2	2	3	3	3
8.75°	1	2	2	2	2	2	2	2	3	3	3
7.5°	1	2	2	2	2	2	2	2	3	3	3
6.25°	1	2	2	2	2	2	2	2	3	3	3
5°	1	2	2	2	2	2	2	2	3	3	3
3.75°	1	2	2	2	2	2	2	2	3	3	3
2.5°	1	2	2	2	2	2	2	2	3	3	3
1.25°	1	2	2	2	2	2	2	2	3	3	3
0°	1	2	2	2	2	2	2	2	3	3	3
-1.25°	1	2	2	2	2	2	2	2	3	3	3
-2.5°	1	2	2	2	2	2	2	2	3	3	3
-3.75°	1	2	2	2	2	2	2	2	3	3	3
-5°	1	2	2	2	2	2	2	2	3	3	3
-6.25°	1	2	2	2	2	2	2	2	3	3	3
-7.5°	1	2	2	2	2	2	2	2	3	3	3
-8.75°	1	2	2	2	2	2	2	2	3	3	3
-10°	1	2	2	2	2	2	2	2	3	3	3
-11.25°	1	2	2	2	2	2	2	2	3	3	3
-12.5°	1	1	2	2	2	2	2	2	3	3	3
-13.75°	1	1	2	2	2	2	2	2	3	3	3
-15°	1	1	2	2	2	2	2	2	3	3	3
-16.25°	1	1	2	2	2	2	2	2	2	3	3
-17.5°	1	1	2	2	2	2	2	2	2	3	3
-18.75°	1	1	2	2	2	2	2	2	2	3	3
-20°	1	1	2	2	2	2	2	2	2	3	3
-21.25°	1	1	2	2	2	2	2	2	2	3	3



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	1	1	2	2	2	2	2	2	2	3	3
-23.75°	1	1	2	2	2	2	2	2	2	2	3
-25°	1	1	2	2	2	2	2	2	2	2	3
-26.25°	1	1	1	2	2	2	2	2	2	2	3
-27.5°	1	1	1	2	2	2	2	2	2	2	3
-28.75°	1	1	1	2	2	2	2	2	2	2	3
-30°	1	1	1	2	2	2	2	2	2	2	2
-31.25°	1	1	1	2	2	2	2	2	2	2	2
-32.5°	1	1	1	2	2	2	2	2	2	2	2
-33.75°	1	1	1	1	2	2	2	2	2	2	2
-35°	1	1	1	1	2	2	2	2	2	2	2
-36.25°	1	1	1	1	2	2	2	2	2	2	2
-37.5°	1	1	1	1	2	2	2	2	2	2	2
-38.75°	1	1	1	1	1	2	2	2	2	2	2
-40°	1	1	1	1	1	2	2	2	2	2	2
-41.25°	1	1	1	1	1	2	2	2	2	2	2
-42.5°	1	1	1	1	1	1	2	2	2	2	2
-43.75°	1	1	1	1	1	1	2	2	2	2	2
-45°	1	1	1	1	1	1	2	2	2	2	2
-46.25°	1	1	1	1	1	1	1	2	2	2	2
-47.5°	1	1	1	1	1	1	1	2	2	2	2
-48.75°	1	1	1	1	1	1	1	1	2	2	2
-50°	1	1	1	1	1	1	1	1	2	2	2
-51.25°	1	1	1	1	1	1	1	1	1	2	2
-52.5°	1	1	1	1	1	1	1	1	1	2	2
-53.75°	1	1	1	1	1	1	1	1	1	1	2
-55°	1	1	1	1	1	1	1	1	1	1	2
-56.25°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0	0	0	0	0	0	0	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	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	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	1	2	2	2
63.75°	1	1	1	1	1	1	2	2	2	2	2
62.5°	1	1	1	1	1	2	2	2	2	2	2
61.25°	1	1	1	1	2	2	2	2	2	2	2
60°	1	1	1	2	2	2	2	2	2	2	2
58.75°	1	1	2	2	2	2	2	2	2	2	2
57.5°	1	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	3
45°	2	2	2	2	2	3	3	3	3	3	3
43.75°	2	2	2	2	3	3	3	3	3	3	3
42.5°	2	2	2	2	3	3	3	3	3	3	3
41.25°	2	2	2	3	3	3	3	3	3	3	4
40°	2	2	2	3	3	3	3	3	3	4	4
38.75°	2	2	3	3	3	3	3	3	3	4	4
37.5°	2	2	3	3	3	3	3	3	4	4	4
36.25°	2	3	3	3	3	3	3	4	4	4	4
35°	2	3	3	3	3	3	3	4	4	4	4



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	3	3	3	4	4	4	4	4	4	4	4
-23.75°	3	3	3	3	4	4	4	4	4	4	4
-25°	3	3	3	3	4	4	4	4	4	4	4
-26.25°	3	3	3	3	4	4	4	4	4	4	4
-27.5°	3	3	3	3	4	4	4	4	4	4	4
-28.75°	3	3	3	3	3	4	4	4	4	4	4
-30°	3	3	3	3	3	4	4	4	4	4	4
-31.25°	3	3	3	3	3	3	4	4	4	4	4
-32.5°	3	3	3	3	3	3	4	4	4	4	4
-33.75°	2	3	3	3	3	3	4	4	4	4	4
-35°	2	3	3	3	3	3	3	4	4	4	4
-36.25°	2	3	3	3	3	3	3	4	4	4	4
-37.5°	2	2	3	3	3	3	3	3	4	4	4
-38.75°	2	2	3	3	3	3	3	3	3	4	4
-40°	2	2	2	3	3	3	3	3	3	4	4
-41.25°	2	2	2	3	3	3	3	3	3	3	4
-42.5°	2	2	2	2	3	3	3	3	3	3	3
-43.75°	2	2	2	2	3	3	3	3	3	3	3
-45°	2	2	2	2	2	3	3	3	3	3	3
-46.25°	2	2	2	2	2	2	3	3	3	3	3
-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°	1	2	2	2	2	2	2	2	2	2	2
-58.75°	1	1	2	2	2	2	2	2	2	2	2
-60°	1	1	1	2	2	2	2	2	2	2	2
-61.25°	1	1	1	1	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	2	2	2	2	2
-65°	1	1	1	1	1	1	1	1	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°	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	0	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	2	2
70°	1	1	1	1	1	1	2	2	2	2	2
68.75°	1	1	1	2	2	2	2	2	2	2	2
67.5°	1	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	3	3
55°	2	2	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	4
52.5°	3	3	3	3	3	3	3	3	3	4	4
51.25°	3	3	3	3	3	3	3	4	4	4	4
50°	3	3	3	3	3	3	4	4	4	4	4
48.75°	3	3	3	3	4	4	4	4	4	4	4
47.5°	3	3	3	4	4	4	4	4	4	4	4
46.25°	3	3	4	4	4	4	4	4	4	4	4
45°	3	4	4	4	4	4	4	4	4	4	4
43.75°	4	4	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	4	4	4
41.25°	4	4	4	4	4	4	4	4	4	5	5
40°	4	4	4	4	4	4	4	4	5	5	5
38.75°	4	4	4	4	4	4	4	5	5	5	5
37.5°	4	4	4	4	4	4	5	5	5	5	5
36.25°	4	4	4	4	4	4	5	5	5	5	5
35°	4	4	4	4	4	5	5	5	5	5	5



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	4	4	4	4	5	5	5	5	5	5	5
32.5°	4	4	4	5	5	5	5	5	5	5	6
31.25°	4	4	4	5	5	5	5	5	5	6	6
30°	4	4	5	5	5	5	5	5	6	6	7
28.75°	4	4	5	5	5	5	5	6	6	7	7
27.5°	4	5	5	5	5	5	5	6	6	7	8
26.25°	4	5	5	5	5	5	6	6	7	7	8
25°	5	5	5	5	5	5	6	7	7	8	8
23.75°	5	5	5	5	5	6	6	7	8	8	9
22.5°	5	5	5	5	5	6	7	7	8	9	11
21.25°	5	5	5	5	6	6	7	8	8	9	13
20°	5	5	5	5	6	6	7	8	9	11	15
18.75°	5	5	5	5	6	7	7	8	9	13	17
17.5°	5	5	5	6	6	7	8	8	11	15	18
16.25°	5	5	5	6	7	7	8	9	12	16	20
15°	5	5	5	6	7	7	8	10	14	18	21
13.75°	5	5	6	6	7	8	8	11	15	19	22
12.5°	5	5	6	6	7	8	9	12	16	20	23
11.25°	5	5	6	7	7	8	9	13	17	21	24
10°	5	5	6	7	7	8	10	14	18	22	25
8.75°	5	5	6	7	8	8	11	15	19	22	26
7.5°	5	5	6	7	8	8	11	16	19	23	27
6.25°	5	6	6	7	8	9	12	16	20	23	28
5°	5	6	6	7	8	9	12	17	20	24	28
3.75°	5	6	6	7	8	9	13	17	21	24	29
2.5°	5	6	6	7	8	9	13	17	21	24	29
1.25°	5	6	6	7	8	9	13	18	21	25	29
0°	5	6	6	7	8	9	13	18	21	25	30
-1.25°	5	6	6	7	8	9	13	18	21	25	29
-2.5°	5	6	6	7	8	9	13	17	21	24	29
-3.75°	5	6	6	7	8	9	13	17	21	24	29
-5°	5	6	6	7	8	9	12	17	20	24	28
-6.25°	5	6	6	7	8	9	12	16	20	23	28
-7.5°	5	5	6	7	8	8	11	16	19	23	27
-8.75°	5	5	6	7	8	8	11	15	19	22	26
-10°	5	5	6	7	7	8	10	14	18	22	25
-11.25°	5	5	6	7	7	8	9	13	17	21	24
-12.5°	5	5	6	6	7	8	9	12	16	20	23
-13.75°	5	5	6	6	7	8	8	11	15	19	22
-15°	5	5	5	6	7	7	8	10	14	18	21
-16.25°	5	5	5	6	7	7	8	9	12	16	20
-17.5°	5	5	5	6	6	7	8	8	11	15	18
-18.75°	5	5	5	5	6	7	7	8	9	13	17
-20°	5	5	5	5	6	6	7	8	9	11	15
-21.25°	5	5	5	5	6	6	7	8	8	9	13



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	5	5	5	5	5	6	7	7	8	9	11
-23.75°	5	5	5	5	5	6	6	7	8	8	9
-25°	5	5	5	5	5	5	6	7	7	8	8
-26.25°	4	5	5	5	5	5	6	6	7	7	8
-27.5°	4	5	5	5	5	5	5	6	6	7	8
-28.75°	4	4	5	5	5	5	5	6	6	7	7
-30°	4	4	5	5	5	5	5	5	6	6	7
-31.25°	4	4	4	5	5	5	5	5	5	6	6
-32.5°	4	4	4	5	5	5	5	5	5	5	6
-33.75°	4	4	4	4	5	5	5	5	5	5	5
-35°	4	4	4	4	4	5	5	5	5	5	5
-36.25°	4	4	4	4	4	4	5	5	5	5	5
-37.5°	4	4	4	4	4	4	5	5	5	5	5
-38.75°	4	4	4	4	4	4	4	5	5	5	5
-40°	4	4	4	4	4	4	4	4	5	5	5
-41.25°	4	4	4	4	4	4	4	4	4	5	5
-42.5°	4	4	4	4	4	4	4	4	4	4	4
-43.75°	4	4	4	4	4	4	4	4	4	4	4
-45°	3	4	4	4	4	4	4	4	4	4	4
-46.25°	3	3	4	4	4	4	4	4	4	4	4
-47.5°	3	3	3	4	4	4	4	4	4	4	4
-48.75°	3	3	3	3	4	4	4	4	4	4	4
-50°	3	3	3	3	3	3	4	4	4	4	4
-51.25°	3	3	3	3	3	3	3	4	4	4	4
-52.5°	3	3	3	3	3	3	3	3	3	4	4
-53.75°	3	3	3	3	3	3	3	3	3	3	4
-55°	2	2	3	3	3	3	3	3	3	3	3
-56.25°	2	2	2	3	3	3	3	3	3	3	3
-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°	1	2	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	2	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	2	2
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	2	2	2
72.5°	1	1	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	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	4
57.5°	3	3	3	3	3	3	4	4	4	4	4
56.25°	3	3	3	3	4	4	4	4	4	4	4
55°	3	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	4	4	4	4	4	4	4	5	5	5
47.5°	4	4	4	4	4	4	5	5	5	5	5
46.25°	4	4	4	4	5	5	5	5	5	5	5
45°	4	4	5	5	5	5	5	5	5	5	5
43.75°	4	5	5	5	5	5	5	5	5	5	5
42.5°	5	5	5	5	5	5	5	5	5	6	6
41.25°	5	5	5	5	5	5	5	6	6	6	7
40°	5	5	5	5	5	6	6	6	7	7	7
38.75°	5	5	5	5	6	6	6	7	7	8	8
37.5°	5	5	5	6	6	7	7	7	8	8	9
36.25°	5	5	6	6	7	7	8	8	8	9	11
35°	5	6	6	7	7	8	8	9	10	13	15



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	6	6	7	7	8	8	9	11	14	16	18
32.5°	6	7	7	8	8	9	12	15	17	19	21
31.25°	7	7	8	8	10	12	15	18	20	22	24
30°	7	8	8	10	13	15	18	20	22	25	27
28.75°	8	8	9	12	15	18	21	23	25	28	31
27.5°	8	9	12	15	18	21	23	25	29	32	35
26.25°	9	11	15	18	20	23	25	29	32	37	51
25°	10	14	17	20	22	25	29	32	38	53	68
23.75°	13	16	19	22	25	28	32	37	53	68	94
22.5°	15	18	21	24	27	31	35	51	68	94	149
21.25°	17	20	23	26	30	34	48	65	88	146	202
20°	19	22	24	28	32	43	60	78	136	195	258
18.75°	20	23	27	31	36	54	72	119	182	244	322
17.5°	22	25	29	33	47	65	96	162	226	303	387
16.25°	23	26	31	37	57	76	135	202	276	362	450
15°	24	28	33	46	66	103	172	240	328	419	508
13.75°	26	30	34	55	75	135	206	286	379	473	560
12.5°	27	31	42	63	93	166	238	329	426	521	606
11.25°	28	33	49	70	120	194	275	371	471	563	648
10°	30	34	55	76	144	219	309	409	510	600	681
8.75°	31	39	61	90	166	242	341	444	543	633	710
7.5°	32	44	65	108	185	268	369	474	572	660	730
6.25°	32	48	70	123	201	290	393	499	596	681	747
5°	33	51	73	136	214	307	414	519	615	698	760
3.75°	34	53	76	146	224	322	429	534	630	712	770
2.5°	34	55	77	153	232	332	441	546	641	720	777
1.25°	34	56	79	157	236	339	448	552	647	724	781
0°	34	57	79	158	238	341	450	554	650	725	782
-1.25°	34	56	79	157	236	339	448	552	647	724	781
-2.5°	34	55	77	153	232	332	441	546	641	720	777
-3.75°	34	53	76	146	224	322	429	534	630	712	770
-5°	33	51	73	136	214	307	414	519	615	698	760
-6.25°	32	48	70	123	201	290	393	499	596	681	747
-7.5°	32	44	65	108	185	268	369	474	572	660	730
-8.75°	31	39	61	90	166	242	341	444	543	633	710
-10°	30	34	55	76	144	219	309	409	510	600	681
-11.25°	28	33	49	70	120	194	275	371	471	563	648
-12.5°	27	31	42	63	93	166	238	329	426	521	606
-13.75°	26	30	34	55	75	135	206	286	379	473	560
-15°	24	28	33	46	66	103	172	240	328	419	508
-16.25°	23	26	31	37	57	76	135	202	276	362	450
-17.5°	22	25	29	33	47	65	96	162	226	303	387
-18.75°	20	23	27	31	36	54	72	119	182	244	322
-20°	19	22	24	28	32	43	60	78	136	195	258
-21.25°	17	20	23	26	30	34	48	65	88	146	202



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	15	18	21	24	27	31	35	51	68	94	149
-23.75°	13	16	19	22	25	28	32	37	53	68	94
-25°	10	14	17	20	22	25	29	32	38	53	68
-26.25°	9	11	15	18	20	23	25	29	32	37	51
-27.5°	8	9	12	15	18	21	23	25	29	32	35
-28.75°	8	8	9	12	15	18	21	23	25	28	31
-30°	7	8	8	10	13	15	18	20	22	25	27
-31.25°	7	7	8	8	10	12	15	18	20	22	24
-32.5°	6	7	7	8	8	9	12	15	17	19	21
-33.75°	6	6	7	7	8	8	9	11	14	16	18
-35°	5	6	6	7	7	8	8	9	10	13	15
-36.25°	5	5	6	6	7	7	8	8	8	9	11
-37.5°	5	5	5	6	6	7	7	7	8	8	9
-38.75°	5	5	5	5	6	6	6	7	7	8	8
-40°	5	5	5	5	5	6	6	6	7	7	7
-41.25°	5	5	5	5	5	5	5	6	6	6	7
-42.5°	5	5	5	5	5	5	5	5	5	6	6
-43.75°	4	5	5	5	5	5	5	5	5	5	5
-45°	4	4	5	5	5	5	5	5	5	5	5
-46.25°	4	4	4	4	5	5	5	5	5	5	5
-47.5°	4	4	4	4	4	4	5	5	5	5	5
-48.75°	4	4	4	4	4	4	4	4	5	5	5
-50°	4	4	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	3	4	4	4	4	4	4	4	4	4	4
-56.25°	3	3	3	3	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	3	4	4	4	4	4
-58.75°	3	3	3	3	3	3	3	3	3	3	4
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	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°	1	1	2	2	2	2	2	2	2	2	2
-73.75°	1	1	1	1	1	1	1	1	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	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	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	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	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	5	5	5
51.25°	4	4	4	5	5	5	5	5	5	5	5
50°	5	5	5	5	5	5	5	5	5	5	5
48.75°	5	5	5	5	5	5	5	5	5	5	5
47.5°	5	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	5	5	6	6	6	6	6
45°	5	5	5	6	6	6	6	6	7	7	7
43.75°	6	6	6	6	7	7	7	7	7	7	8
42.5°	6	6	7	7	7	7	8	8	8	8	8
41.25°	7	7	7	8	8	8	8	9	9	10	11
40°	8	8	8	8	9	10	11	12	13	14	15
38.75°	8	9	9	11	12	14	15	16	17	18	19
37.5°	9	11	13	15	16	18	19	20	21	22	22
36.25°	13	15	17	18	20	21	22	23	24	25	26
35°	17	19	20	22	23	24	26	27	28	30	31



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	20	22	23	25	26	28	30	31	33	34	39
32.5°	23	24	27	29	31	33	34	42	49	55	61
31.25°	26	28	31	33	37	46	55	63	70	76	90
30°	30	32	36	47	57	66	75	93	120	144	166
28.75°	34	43	54	65	76	103	135	166	194	219	242
27.5°	48	60	72	96	135	172	206	238	275	309	341
26.25°	65	78	119	162	202	240	286	329	371	409	444
25°	88	136	182	226	276	328	379	426	471	510	543
23.75°	146	195	244	303	362	419	473	521	563	600	633
22.5°	202	258	322	387	450	508	560	606	648	681	710
21.25°	262	331	402	470	533	589	639	681	717	743	765
20°	331	407	481	547	608	661	706	740	768	792	814
18.75°	402	481	552	617	674	721	756	786	814	840	867
17.5°	470	547	617	678	728	766	798	830	862	895	928
16.25°	533	608	674	728	769	804	840	878	918	957	1002
15°	589	661	721	766	804	843	886	932	982	1034	1089
13.75°	639	706	756	798	840	886	937	994	1057	1121	1203
12.5°	681	740	786	830	878	932	994	1064	1143	1239	1358
11.25°	717	768	814	862	918	982	1057	1143	1255	1392	1546
10°	743	792	840	895	957	1034	1121	1239	1392	1568	1784
8.75°	765	814	867	928	1002	1089	1203	1358	1546	1784	2081
7.5°	783	834	891	958	1043	1146	1292	1482	1722	2036	2444
6.25°	798	852	915	991	1083	1206	1381	1601	1905	2314	2864
5°	812	868	935	1018	1117	1266	1469	1734	2100	2607	3314
3.75°	822	882	951	1041	1154	1321	1541	1841	2277	2908	3759
2.5°	830	891	964	1059	1181	1361	1596	1942	2437	3155	4102
1.25°	835	897	973	1069	1197	1385	1640	2007	2535	3308	4334
0°	836	899	976	1073	1203	1393	1655	2028	2568	3360	4417
-1.25°	835	897	973	1069	1197	1385	1640	2007	2535	3308	4334
-2.5°	830	891	964	1059	1181	1361	1596	1942	2437	3155	4102
-3.75°	822	882	951	1041	1154	1321	1541	1841	2277	2908	3759
-5°	812	868	935	1018	1117	1266	1469	1734	2100	2607	3314
-6.25°	798	852	915	991	1083	1206	1381	1601	1905	2314	2864
-7.5°	783	834	891	958	1043	1146	1292	1482	1722	2036	2444
-8.75°	765	814	867	928	1002	1089	1203	1358	1546	1784	2081
-10°	743	792	840	895	957	1034	1121	1239	1392	1568	1784
-11.25°	717	768	814	862	918	982	1057	1143	1255	1392	1546
-12.5°	681	740	786	830	878	932	994	1064	1143	1239	1358
-13.75°	639	706	756	798	840	886	937	994	1057	1121	1203
-15°	589	661	721	766	804	843	886	932	982	1034	1089
-16.25°	533	608	674	728	769	804	840	878	918	957	1002
-17.5°	470	547	617	678	728	766	798	830	862	895	928
-18.75°	402	481	552	617	674	721	756	786	814	840	867
-20°	331	407	481	547	608	661	706	740	768	792	814
-21.25°	262	331	402	470	533	589	639	681	717	743	765



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	202	258	322	387	450	508	560	606	648	681	710
-23.75°	146	195	244	303	362	419	473	521	563	600	633
-25°	88	136	182	226	276	328	379	426	471	510	543
-26.25°	65	78	119	162	202	240	286	329	371	409	444
-27.5°	48	60	72	96	135	172	206	238	275	309	341
-28.75°	34	43	54	65	76	103	135	166	194	219	242
-30°	30	32	36	47	57	66	75	93	120	144	166
-31.25°	26	28	31	33	37	46	55	63	70	76	90
-32.5°	23	24	27	29	31	33	34	42	49	55	61
-33.75°	20	22	23	25	26	28	30	31	33	34	39
-35°	17	19	20	22	23	24	26	27	28	30	31
-36.25°	13	15	17	18	20	21	22	23	24	25	26
-37.5°	9	11	13	15	16	18	19	20	21	22	22
-38.75°	8	9	9	11	12	14	15	16	17	18	19
-40°	8	8	8	8	9	10	11	12	13	14	15
-41.25°	7	7	7	8	8	8	8	9	9	10	11
-42.5°	6	6	7	7	7	7	8	8	8	8	8
-43.75°	6	6	6	6	7	7	7	7	7	7	8
-45°	5	5	5	6	6	6	6	6	7	7	7
-46.25°	5	5	5	5	5	5	6	6	6	6	6
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	4	4	4	5	5	5	5	5	5	5	5
-52.5°	4	4	4	4	4	4	4	4	5	5	5
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	4	4	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	2	2	2	2	2	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°	1	1	1	1	1	1	1	1	2	2	2
-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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	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°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	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	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	5	5	5	5	5	5
50°	5	5	5	5	5	5	5	5	5	5	5
48.75°	5	5	5	5	5	5	5	5	5	5	5
47.5°	5	6	6	6	6	6	6	6	6	6	6
46.25°	6	6	6	6	6	6	6	6	6	6	6
45°	7	7	7	7	7	7	7	7	7	7	7
43.75°	8	8	8	8	8	8	8	8	8	8	8
42.5°	8	9	9	9	9	9	9	9	9	9	9
41.25°	11	12	12	13	13	13	13	13	13	13	12
40°	16	16	17	17	17	18	18	18	17	17	17
38.75°	19	20	20	21	21	21	21	21	21	21	20
37.5°	23	23	24	24	24	25	25	25	24	24	24
36.25°	27	28	28	29	29	29	30	29	29	29	28
35°	32	32	33	34	34	34	34	34	34	34	33



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	44	48	51	53	55	56	57	56	55	53	51
32.5°	65	70	73	76	77	79	79	79	77	76	73
31.25°	108	123	136	146	153	157	158	157	153	146	136
30°	185	201	214	224	232	236	238	236	232	224	214
28.75°	268	290	307	322	332	339	341	339	332	322	307
27.5°	369	393	414	429	441	448	450	448	441	429	414
26.25°	474	499	519	534	546	552	554	552	546	534	519
25°	572	596	615	630	641	647	650	647	641	630	615
23.75°	660	681	698	712	720	724	725	724	720	712	698
22.5°	730	747	760	770	777	781	782	781	777	770	760
21.25°	783	798	812	822	830	835	836	835	830	822	812
20°	834	852	868	882	891	897	899	897	891	882	868
18.75°	891	915	935	951	964	973	976	973	964	951	935
17.5°	958	991	1018	1041	1059	1069	1073	1069	1059	1041	1018
16.25°	1043	1083	1117	1154	1181	1197	1203	1197	1181	1154	1117
15°	1146	1206	1266	1321	1361	1385	1393	1385	1361	1321	1266
13.75°	1292	1381	1469	1541	1596	1640	1655	1640	1596	1541	1469
12.5°	1482	1601	1734	1841	1942	2007	2028	2007	1942	1841	1734
11.25°	1722	1905	2100	2277	2437	2535	2568	2535	2437	2277	2100
10°	2036	2314	2607	2908	3155	3308	3360	3308	3155	2908	2607
8.75°	2444	2864	3314	3759	4102	4334	4417	4334	4102	3759	3314
7.5°	2963	3564	4177	4764	5214	5500	5598	5500	5214	4764	4177
6.25°	3564	4342	5124	5802	6333	6676	6795	6676	6333	5802	5124
5°	4177	5124	6010	6797	7414	7815	7956	7815	7414	6797	6010
3.75°	4764	5802	6797	7678	8352	8788	8920	8788	8352	7678	6797
2.5°	5214	6333	7414	8352	9059	9503	9640	9503	9059	8352	7414
1.25°	5500	6676	7815	8788	9503	9940	10087	9940	9503	8788	7815
0°	5598	6795	7956	8920	9640	10087	10286	10087	9640	8920	7956
-1.25°	5500	6676	7815	8788	9503	9940	10087	9940	9503	8788	7815
-2.5°	5214	6333	7414	8352	9059	9503	9640	9503	9059	8352	7414
-3.75°	4764	5802	6797	7678	8352	8788	8920	8788	8352	7678	6797
-5°	4177	5124	6010	6797	7414	7815	7956	7815	7414	6797	6010
-6.25°	3564	4342	5124	5802	6333	6676	6795	6676	6333	5802	5124
-7.5°	2963	3564	4177	4764	5214	5500	5598	5500	5214	4764	4177
-8.75°	2444	2864	3314	3759	4102	4334	4417	4334	4102	3759	3314
-10°	2036	2314	2607	2908	3155	3308	3360	3308	3155	2908	2607
-11.25°	1722	1905	2100	2277	2437	2535	2568	2535	2437	2277	2100
-12.5°	1482	1601	1734	1841	1942	2007	2028	2007	1942	1841	1734
-13.75°	1292	1381	1469	1541	1596	1640	1655	1640	1596	1541	1469
-15°	1146	1206	1266	1321	1361	1385	1393	1385	1361	1321	1266
-16.25°	1043	1083	1117	1154	1181	1197	1203	1197	1181	1154	1117
-17.5°	958	991	1018	1041	1059	1069	1073	1069	1059	1041	1018
-18.75°	891	915	935	951	964	973	976	973	964	951	935
-20°	834	852	868	882	891	897	899	897	891	882	868
-21.25°	783	798	812	822	830	835	836	835	830	822	812



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	730	747	760	770	777	781	782	781	777	770	760
-23.75°	660	681	698	712	720	724	725	724	720	712	698
-25°	572	596	615	630	641	647	650	647	641	630	615
-26.25°	474	499	519	534	546	552	554	552	546	534	519
-27.5°	369	393	414	429	441	448	450	448	441	429	414
-28.75°	268	290	307	322	332	339	341	339	332	322	307
-30°	185	201	214	224	232	236	238	236	232	224	214
-31.25°	108	123	136	146	153	157	158	157	153	146	136
-32.5°	65	70	73	76	77	79	79	79	77	76	73
-33.75°	44	48	51	53	55	56	57	56	55	53	51
-35°	32	32	33	34	34	34	34	34	34	34	33
-36.25°	27	28	28	29	29	29	30	29	29	29	28
-37.5°	23	23	24	24	24	25	25	25	24	24	24
-38.75°	19	20	20	21	21	21	21	21	21	21	20
-40°	16	16	17	17	17	18	18	18	17	17	17
-41.25°	11	12	12	13	13	13	13	13	13	13	12
-42.5°	8	9	9	9	9	9	9	9	9	9	9
-43.75°	8	8	8	8	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	7	7	7	7	7
-46.25°	6	6	6	6	6	6	6	6	6	6	6
-47.5°	5	6	6	6	6	6	6	6	6	6	6
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	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	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	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°	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	48	44	39	34	33	31	30	28	26	25	23
32.5°	70	65	61	55	49	42	34	33	31	29	27
31.25°	123	108	90	76	70	63	55	46	37	33	31
30°	201	185	166	144	120	93	75	66	57	47	36
28.75°	290	268	242	219	194	166	135	103	76	65	54
27.5°	393	369	341	309	275	238	206	172	135	96	72
26.25°	499	474	444	409	371	329	286	240	202	162	119
25°	596	572	543	510	471	426	379	328	276	226	182
23.75°	681	660	633	600	563	521	473	419	362	303	244
22.5°	747	730	710	681	648	606	560	508	450	387	322
21.25°	798	783	765	743	717	681	639	589	533	470	402
20°	852	834	814	792	768	740	706	661	608	547	481
18.75°	915	891	867	840	814	786	756	721	674	617	552
17.5°	991	958	928	895	862	830	798	766	728	678	617
16.25°	1083	1043	1002	957	918	878	840	804	769	728	674
15°	1206	1146	1089	1034	982	932	886	843	804	766	721
13.75°	1381	1292	1203	1121	1057	994	937	886	840	798	756
12.5°	1601	1482	1358	1239	1143	1064	994	932	878	830	786
11.25°	1905	1722	1546	1392	1255	1143	1057	982	918	862	814
10°	2314	2036	1784	1568	1392	1239	1121	1034	957	895	840
8.75°	2864	2444	2081	1784	1546	1358	1203	1089	1002	928	867
7.5°	3564	2963	2444	2036	1722	1482	1292	1146	1043	958	891
6.25°	4342	3564	2864	2314	1905	1601	1381	1206	1083	991	915
5°	5124	4177	3314	2607	2100	1734	1469	1266	1117	1018	935
3.75°	5802	4764	3759	2908	2277	1841	1541	1321	1154	1041	951
2.5°	6333	5214	4102	3155	2437	1942	1596	1361	1181	1059	964
1.25°	6676	5500	4334	3308	2535	2007	1640	1385	1197	1069	973
0°	6795	5598	4417	3360	2568	2028	1655	1393	1203	1073	976
-1.25°	6676	5500	4334	3308	2535	2007	1640	1385	1197	1069	973
-2.5°	6333	5214	4102	3155	2437	1942	1596	1361	1181	1059	964
-3.75°	5802	4764	3759	2908	2277	1841	1541	1321	1154	1041	951
-5°	5124	4177	3314	2607	2100	1734	1469	1266	1117	1018	935
-6.25°	4342	3564	2864	2314	1905	1601	1381	1206	1083	991	915
-7.5°	3564	2963	2444	2036	1722	1482	1292	1146	1043	958	891
-8.75°	2864	2444	2081	1784	1546	1358	1203	1089	1002	928	867
-10°	2314	2036	1784	1568	1392	1239	1121	1034	957	895	840
-11.25°	1905	1722	1546	1392	1255	1143	1057	982	918	862	814
-12.5°	1601	1482	1358	1239	1143	1064	994	932	878	830	786
-13.75°	1381	1292	1203	1121	1057	994	937	886	840	798	756
-15°	1206	1146	1089	1034	982	932	886	843	804	766	721
-16.25°	1083	1043	1002	957	918	878	840	804	769	728	674
-17.5°	991	958	928	895	862	830	798	766	728	678	617
-18.75°	915	891	867	840	814	786	756	721	674	617	552
-20°	852	834	814	792	768	740	706	661	608	547	481
-21.25°	798	783	765	743	717	681	639	589	533	470	402



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	747	730	710	681	648	606	560	508	450	387	322
-23.75°	681	660	633	600	563	521	473	419	362	303	244
-25°	596	572	543	510	471	426	379	328	276	226	182
-26.25°	499	474	444	409	371	329	286	240	202	162	119
-27.5°	393	369	341	309	275	238	206	172	135	96	72
-28.75°	290	268	242	219	194	166	135	103	76	65	54
-30°	201	185	166	144	120	93	75	66	57	47	36
-31.25°	123	108	90	76	70	63	55	46	37	33	31
-32.5°	70	65	61	55	49	42	34	33	31	29	27
-33.75°	48	44	39	34	33	31	30	28	26	25	23
-35°	32	32	31	30	28	27	26	24	23	22	20
-36.25°	28	27	26	25	24	23	22	21	20	18	17
-37.5°	23	23	22	22	21	20	19	18	16	15	13
-38.75°	20	19	19	18	17	16	15	14	12	11	9
-40°	16	16	15	14	13	12	11	10	9	8	8
-41.25°	12	11	11	10	9	9	8	8	8	8	7
-42.5°	9	8	8	8	8	8	8	7	7	7	7
-43.75°	8	8	8	7	7	7	7	7	7	6	6
-45°	7	7	7	7	7	6	6	6	6	6	5
-46.25°	6	6	6	6	6	6	6	5	5	5	5
-47.5°	6	5	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	5	5	5	5	5	5	5	5	5	5	4
-52.5°	5	5	5	5	5	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	3
-61.25°	4	4	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	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	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	22	20	18	16	14	11	9	8	8	7	7
32.5°	24	23	21	19	17	15	12	9	8	8	7
31.25°	28	26	24	22	20	18	15	12	10	8	8
30°	32	30	27	25	22	20	18	15	13	10	8
28.75°	43	34	31	28	25	23	21	18	15	12	9
27.5°	60	48	35	32	29	25	23	21	18	15	12
26.25°	78	65	51	37	32	29	25	23	20	18	15
25°	136	88	68	53	38	32	29	25	22	20	17
23.75°	195	146	94	68	53	37	32	28	25	22	19
22.5°	258	202	149	94	68	51	35	31	27	24	21
21.25°	331	262	202	146	88	65	48	34	30	26	23
20°	407	331	258	195	136	78	60	43	32	28	24
18.75°	481	402	322	244	182	119	72	54	36	31	27
17.5°	547	470	387	303	226	162	96	65	47	33	29
16.25°	608	533	450	362	276	202	135	76	57	37	31
15°	661	589	508	419	328	240	172	103	66	46	33
13.75°	706	639	560	473	379	286	206	135	75	55	34
12.5°	740	681	606	521	426	329	238	166	93	63	42
11.25°	768	717	648	563	471	371	275	194	120	70	49
10°	792	743	681	600	510	409	309	219	144	76	55
8.75°	814	765	710	633	543	444	341	242	166	90	61
7.5°	834	783	730	660	572	474	369	268	185	108	65
6.25°	852	798	747	681	596	499	393	290	201	123	70
5°	868	812	760	698	615	519	414	307	214	136	73
3.75°	882	822	770	712	630	534	429	322	224	146	76
2.5°	891	830	777	720	641	546	441	332	232	153	77
1.25°	897	835	781	724	647	552	448	339	236	157	79
0°	899	836	782	725	650	554	450	341	238	158	79
-1.25°	897	835	781	724	647	552	448	339	236	157	79
-2.5°	891	830	777	720	641	546	441	332	232	153	77
-3.75°	882	822	770	712	630	534	429	322	224	146	76
-5°	868	812	760	698	615	519	414	307	214	136	73
-6.25°	852	798	747	681	596	499	393	290	201	123	70
-7.5°	834	783	730	660	572	474	369	268	185	108	65
-8.75°	814	765	710	633	543	444	341	242	166	90	61
-10°	792	743	681	600	510	409	309	219	144	76	55
-11.25°	768	717	648	563	471	371	275	194	120	70	49
-12.5°	740	681	606	521	426	329	238	166	93	63	42
-13.75°	706	639	560	473	379	286	206	135	75	55	34
-15°	661	589	508	419	328	240	172	103	66	46	33
-16.25°	608	533	450	362	276	202	135	76	57	37	31
-17.5°	547	470	387	303	226	162	96	65	47	33	29
-18.75°	481	402	322	244	182	119	72	54	36	31	27
-20°	407	331	258	195	136	78	60	43	32	28	24
-21.25°	331	262	202	146	88	65	48	34	30	26	23



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	258	202	149	94	68	51	35	31	27	24	21
-23.75°	195	146	94	68	53	37	32	28	25	22	19
-25°	136	88	68	53	38	32	29	25	22	20	17
-26.25°	78	65	51	37	32	29	25	23	20	18	15
-27.5°	60	48	35	32	29	25	23	21	18	15	12
-28.75°	43	34	31	28	25	23	21	18	15	12	9
-30°	32	30	27	25	22	20	18	15	13	10	8
-31.25°	28	26	24	22	20	18	15	12	10	8	8
-32.5°	24	23	21	19	17	15	12	9	8	8	7
-33.75°	22	20	18	16	14	11	9	8	8	7	7
-35°	19	17	15	13	10	9	8	8	7	7	6
-36.25°	15	13	11	9	8	8	8	7	7	6	6
-37.5°	11	9	9	8	8	7	7	7	6	6	5
-38.75°	9	8	8	8	7	7	6	6	6	5	5
-40°	8	8	7	7	7	6	6	6	5	5	5
-41.25°	7	7	7	6	6	6	5	5	5	5	5
-42.5°	6	6	6	6	5	5	5	5	5	5	5
-43.75°	6	6	5	5	5	5	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	4	4
-47.5°	5	5	5	5	5	5	5	4	4	4	4
-48.75°	5	5	5	5	5	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	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	3	3
-57.5°	4	4	4	4	4	4	4	3	3	3	3
-58.75°	4	4	4	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	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	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	2	2	2	2	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	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°	3	3	3	3	3	3	3	3	3	2	2
56.25°	3	3	3	3	3	3	3	3	3	3	2
55°	4	3	3	3	3	3	3	3	3	3	3
53.75°	4	4	4	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	3	3	3	3	3	3	3
51.25°	4	4	4	4	4	4	3	3	3	3	3
50°	4	4	4	4	4	4	4	3	3	3	3
48.75°	4	4	4	4	4	4	4	4	4	3	3
47.5°	4	4	4	4	4	4	4	4	4	4	3
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
43.75°	5	4	4	4	4	4	4	4	4	4	4
42.5°	5	5	4	4	4	4	4	4	4	4	4
41.25°	5	5	5	5	4	4	4	4	4	4	4
40°	5	5	5	5	5	4	4	4	4	4	4
38.75°	5	5	5	5	5	5	4	4	4	4	4
37.5°	5	5	5	5	5	5	5	4	4	4	4
36.25°	5	5	5	5	5	5	5	4	4	4	4
35°	6	5	5	5	5	5	5	5	4	4	4



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	6	6	5	5	5	5	5	5	5	4	4
32.5°	7	6	6	5	5	5	5	5	5	5	4
31.25°	7	7	6	6	5	5	5	5	5	5	4
30°	8	7	7	6	6	5	5	5	5	5	5
28.75°	8	8	7	7	6	6	5	5	5	5	5
27.5°	9	8	8	7	6	6	5	5	5	5	5
26.25°	11	9	8	7	7	6	6	5	5	5	5
25°	14	10	8	8	7	7	6	5	5	5	5
23.75°	16	13	9	8	8	7	6	6	5	5	5
22.5°	18	15	11	9	8	7	7	6	5	5	5
21.25°	20	17	13	9	8	8	7	6	6	5	5
20°	22	19	15	11	9	8	7	6	6	5	5
18.75°	23	20	17	13	9	8	7	7	6	5	5
17.5°	25	22	18	15	11	8	8	7	6	6	5
16.25°	26	23	20	16	12	9	8	7	7	6	5
15°	28	24	21	18	14	10	8	7	7	6	5
13.75°	30	26	22	19	15	11	8	8	7	6	6
12.5°	31	27	23	20	16	12	9	8	7	6	6
11.25°	33	28	24	21	17	13	9	8	7	7	6
10°	34	30	25	22	18	14	10	8	7	7	6
8.75°	39	31	26	22	19	15	11	8	8	7	6
7.5°	44	32	27	23	19	16	11	8	8	7	6
6.25°	48	32	28	23	20	16	12	9	8	7	6
5°	51	33	28	24	20	17	12	9	8	7	6
3.75°	53	34	29	24	21	17	13	9	8	7	6
2.5°	55	34	29	24	21	17	13	9	8	7	6
1.25°	56	34	29	25	21	18	13	9	8	7	6
0°	57	34	30	25	21	18	13	9	8	7	6
-1.25°	56	34	29	25	21	18	13	9	8	7	6
-2.5°	55	34	29	24	21	17	13	9	8	7	6
-3.75°	53	34	29	24	21	17	13	9	8	7	6
-5°	51	33	28	24	20	17	12	9	8	7	6
-6.25°	48	32	28	23	20	16	12	9	8	7	6
-7.5°	44	32	27	23	19	16	11	8	8	7	6
-8.75°	39	31	26	22	19	15	11	8	8	7	6
-10°	34	30	25	22	18	14	10	8	7	7	6
-11.25°	33	28	24	21	17	13	9	8	7	7	6
-12.5°	31	27	23	20	16	12	9	8	7	6	6
-13.75°	30	26	22	19	15	11	8	8	7	6	6
-15°	28	24	21	18	14	10	8	7	7	6	5
-16.25°	26	23	20	16	12	9	8	7	7	6	5
-17.5°	25	22	18	15	11	8	8	7	6	6	5
-18.75°	23	20	17	13	9	8	7	7	6	5	5
-20°	22	19	15	11	9	8	7	6	6	5	5
-21.25°	20	17	13	9	8	8	7	6	6	5	5



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	18	15	11	9	8	7	7	6	5	5	5
-23.75°	16	13	9	8	8	7	6	6	5	5	5
-25°	14	10	8	8	7	7	6	5	5	5	5
-26.25°	11	9	8	7	7	6	6	5	5	5	5
-27.5°	9	8	8	7	6	6	5	5	5	5	5
-28.75°	8	8	7	7	6	6	5	5	5	5	5
-30°	8	7	7	6	6	5	5	5	5	5	5
-31.25°	7	7	6	6	5	5	5	5	5	5	4
-32.5°	7	6	6	5	5	5	5	5	5	5	4
-33.75°	6	6	5	5	5	5	5	5	5	4	4
-35°	6	5	5	5	5	5	5	5	4	4	4
-36.25°	5	5	5	5	5	5	5	4	4	4	4
-37.5°	5	5	5	5	5	5	5	4	4	4	4
-38.75°	5	5	5	5	5	5	4	4	4	4	4
-40°	5	5	5	5	5	4	4	4	4	4	4
-41.25°	5	5	5	5	4	4	4	4	4	4	4
-42.5°	5	5	4	4	4	4	4	4	4	4	4
-43.75°	5	4	4	4	4	4	4	4	4	4	4
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	3
-48.75°	4	4	4	4	4	4	4	4	4	3	3
-50°	4	4	4	4	4	4	4	3	3	3	3
-51.25°	4	4	4	4	4	4	3	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	3	3
-53.75°	4	4	4	3	3	3	3	3	3	3	3
-55°	4	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	2
-57.5°	3	3	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	1
-70°	2	2	2	2	2	2	2	1	1	1	1
-71.25°	2	2	2	2	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	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°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	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	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	1	1	1
61.25°	2	2	2	2	2	2	2	2	2	1	1
60°	2	2	2	2	2	2	2	2	2	2	1
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	3	3	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°	3	3	3	3	3	3	2	2	2	2	2
47.5°	3	3	3	3	3	3	2	2	2	2	2
46.25°	3	3	3	3	3	3	3	2	2	2	2
45°	4	3	3	3	3	3	3	3	2	2	2
43.75°	4	4	3	3	3	3	3	3	3	2	2
42.5°	4	4	3	3	3	3	3	3	3	2	2
41.25°	4	4	4	3	3	3	3	3	3	3	2
40°	4	4	4	4	3	3	3	3	3	3	2
38.75°	4	4	4	4	3	3	3	3	3	3	3
37.5°	4	4	4	4	4	3	3	3	3	3	3
36.25°	4	4	4	4	4	4	3	3	3	3	3
35°	4	4	4	4	4	4	3	3	3	3	3



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	4	4	4	4	4	4	4	3	3	3	3
32.5°	4	4	4	4	4	4	4	3	3	3	3
31.25°	4	4	4	4	4	4	4	3	3	3	3
30°	4	4	4	4	4	4	4	4	3	3	3
28.75°	4	4	4	4	4	4	4	4	3	3	3
27.5°	5	4	4	4	4	4	4	4	4	3	3
26.25°	5	4	4	4	4	4	4	4	4	3	3
25°	5	5	4	4	4	4	4	4	4	3	3
23.75°	5	5	4	4	4	4	4	4	4	3	3
22.5°	5	5	4	4	4	4	4	4	4	4	3
21.25°	5	5	5	4	4	4	4	4	4	4	3
20°	5	5	5	4	4	4	4	4	4	4	3
18.75°	5	5	5	4	4	4	4	4	4	4	3
17.5°	5	5	5	5	4	4	4	4	4	4	4
16.25°	5	5	5	5	4	4	4	4	4	4	4
15°	5	5	5	5	4	4	4	4	4	4	4
13.75°	5	5	5	5	4	4	4	4	4	4	4
12.5°	5	5	5	5	4	4	4	4	4	4	4
11.25°	5	5	5	5	5	4	4	4	4	4	4
10°	5	5	5	5	5	4	4	4	4	4	4
8.75°	5	5	5	5	5	4	4	4	4	4	4
7.5°	5	5	5	5	5	4	4	4	4	4	4
6.25°	6	5	5	5	5	4	4	4	4	4	4
5°	6	5	5	5	5	4	4	4	4	4	4
3.75°	6	5	5	5	5	4	4	4	4	4	4
2.5°	6	5	5	5	5	4	4	4	4	4	4
1.25°	6	5	5	5	5	4	4	4	4	4	4
0°	6	5	5	5	5	4	4	4	4	4	4
-1.25°	6	5	5	5	5	4	4	4	4	4	4
-2.5°	6	5	5	5	5	4	4	4	4	4	4
-3.75°	6	5	5	5	5	4	4	4	4	4	4
-5°	6	5	5	5	5	4	4	4	4	4	4
-6.25°	6	5	5	5	5	4	4	4	4	4	4
-7.5°	5	5	5	5	5	4	4	4	4	4	4
-8.75°	5	5	5	5	5	4	4	4	4	4	4
-10°	5	5	5	5	5	4	4	4	4	4	4
-11.25°	5	5	5	5	5	4	4	4	4	4	4
-12.5°	5	5	5	5	4	4	4	4	4	4	4
-13.75°	5	5	5	5	4	4	4	4	4	4	4
-15°	5	5	5	5	4	4	4	4	4	4	4
-16.25°	5	5	5	5	4	4	4	4	4	4	4
-17.5°	5	5	5	5	4	4	4	4	4	4	4
-18.75°	5	5	5	4	4	4	4	4	4	4	3
-20°	5	5	5	4	4	4	4	4	4	4	3
-21.25°	5	5	5	4	4	4	4	4	4	4	3



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	3	2	2	2	2	2	2	2	2	1	1
32.5°	3	3	2	2	2	2	2	2	2	2	1
31.25°	3	3	2	2	2	2	2	2	2	2	1
30°	3	3	2	2	2	2	2	2	2	2	1
28.75°	3	3	3	2	2	2	2	2	2	2	1
27.5°	3	3	3	2	2	2	2	2	2	2	1
26.25°	3	3	3	2	2	2	2	2	2	2	1
25°	3	3	3	2	2	2	2	2	2	2	2
23.75°	3	3	3	2	2	2	2	2	2	2	2
22.5°	3	3	3	3	2	2	2	2	2	2	2
21.25°	3	3	3	3	2	2	2	2	2	2	2
20°	3	3	3	3	2	2	2	2	2	2	2
18.75°	3	3	3	3	2	2	2	2	2	2	2
17.5°	3	3	3	3	2	2	2	2	2	2	2
16.25°	3	3	3	3	2	2	2	2	2	2	2
15°	3	3	3	3	3	2	2	2	2	2	2
13.75°	3	3	3	3	3	2	2	2	2	2	2
12.5°	3	3	3	3	3	2	2	2	2	2	2
11.25°	3	3	3	3	3	2	2	2	2	2	2
10°	3	3	3	3	3	2	2	2	2	2	2
8.75°	3	3	3	3	3	2	2	2	2	2	2
7.5°	4	3	3	3	3	2	2	2	2	2	2
6.25°	4	3	3	3	3	2	2	2	2	2	2
5°	4	3	3	3	3	2	2	2	2	2	2
3.75°	4	3	3	3	3	2	2	2	2	2	2
2.5°	4	3	3	3	3	2	2	2	2	2	2
1.25°	4	3	3	3	3	2	2	2	2	2	2
0°	4	3	3	3	3	2	2	2	2	2	2
-1.25°	4	3	3	3	3	2	2	2	2	2	2
-2.5°	4	3	3	3	3	2	2	2	2	2	2
-3.75°	4	3	3	3	3	2	2	2	2	2	2
-5°	4	3	3	3	3	2	2	2	2	2	2
-6.25°	4	3	3	3	3	2	2	2	2	2	2
-7.5°	4	3	3	3	3	2	2	2	2	2	2
-8.75°	3	3	3	3	3	2	2	2	2	2	2
-10°	3	3	3	3	3	2	2	2	2	2	2
-11.25°	3	3	3	3	3	2	2	2	2	2	2
-12.5°	3	3	3	3	3	2	2	2	2	2	2
-13.75°	3	3	3	3	3	2	2	2	2	2	2
-15°	3	3	3	3	3	2	2	2	2	2	2
-16.25°	3	3	3	3	2	2	2	2	2	2	2
-17.5°	3	3	3	3	2	2	2	2	2	2	2
-18.75°	3	3	3	3	2	2	2	2	2	2	2
-20°	3	3	3	3	2	2	2	2	2	2	2
-21.25°	3	3	3	3	2	2	2	2	2	2	2



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	3	3	3	3	2	2	2	2	2	2	2
-23.75°	3	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	1
-27.5°	3	3	3	2	2	2	2	2	2	2	1
-28.75°	3	3	3	2	2	2	2	2	2	2	1
-30°	3	3	2	2	2	2	2	2	2	2	1
-31.25°	3	3	2	2	2	2	2	2	2	2	1
-32.5°	3	3	2	2	2	2	2	2	2	2	1
-33.75°	3	2	2	2	2	2	2	2	2	1	1
-35°	3	2	2	2	2	2	2	2	2	1	1
-36.25°	3	2	2	2	2	2	2	2	2	1	1
-37.5°	2	2	2	2	2	2	2	2	2	1	1
-38.75°	2	2	2	2	2	2	2	2	1	1	1
-40°	2	2	2	2	2	2	2	2	1	1	1
-41.25°	2	2	2	2	2	2	2	2	1	1	1
-42.5°	2	2	2	2	2	2	2	1	1	1	1
-43.75°	2	2	2	2	2	2	2	1	1	1	1
-45°	2	2	2	2	2	2	2	1	1	1	1
-46.25°	2	2	2	2	2	2	1	1	1	1	1
-47.5°	2	2	2	2	2	2	1	1	1	1	1
-48.75°	2	2	2	2	2	1	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-51.25°	2	2	2	2	1	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-53.75°	2	2	2	1	1	1	1	1	1	1	1
-55°	2	2	2	1	1	1	1	1	1	1	1
-56.25°	2	2	1	1	1	1	1	1	1	1	1
-57.5°	2	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	0
-77.5°	1	1	1	1	1	1	1	1	0	0	0



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	1	1	1	1	1	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	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°	1	1	1	1	1	1	1	1	1	0	0



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	1	1	1	1	1	1	1	1	1	0	0
32.5°	1	1	1	1	1	1	1	1	1	0	0
31.25°	1	1	1	1	1	1	1	1	1	0	0
30°	1	1	1	1	1	1	1	1	1	0	0
28.75°	1	1	1	1	1	1	1	1	1	0	0
27.5°	1	1	1	1	1	1	1	1	1	0	0
26.25°	1	1	1	1	1	1	1	1	1	0	0
25°	1	1	1	1	1	1	1	1	1	0	0
23.75°	1	1	1	1	1	1	1	1	1	0	0
22.5°	1	1	1	1	1	1	1	1	1	0	0
21.25°	1	1	1	1	1	1	1	1	1	0	0
20°	1	1	1	1	1	1	1	1	1	0	0
18.75°	1	1	1	1	1	1	1	1	1	0	0
17.5°	1	1	1	1	1	1	1	1	1	0	0
16.25°	1	1	1	1	1	1	1	1	1	0	0
15°	1	1	1	1	1	1	1	1	1	0	0
13.75°	1	1	1	1	1	1	1	1	1	0	0
12.5°	1	1	1	1	1	1	1	1	1	0	0
11.25°	2	1	1	1	1	1	1	1	1	0	0
10°	2	1	1	1	1	1	1	1	1	0	0
8.75°	2	1	1	1	1	1	1	1	1	0	0
7.5°	2	1	1	1	1	1	1	1	1	0	0
6.25°	2	1	1	1	1	1	1	1	1	0	0
5°	2	1	1	1	1	1	1	1	1	0	0
3.75°	2	1	1	1	1	1	1	1	1	0	0
2.5°	2	1	1	1	1	1	1	1	1	0	0
1.25°	2	1	1	1	1	1	1	1	1	0	0
0°	2	1	1	1	1	1	1	1	1	0	0
-1.25°	2	1	1	1	1	1	1	1	1	0	0
-2.5°	2	1	1	1	1	1	1	1	1	0	0
-3.75°	2	1	1	1	1	1	1	1	1	0	0
-5°	2	1	1	1	1	1	1	1	1	0	0
-6.25°	2	1	1	1	1	1	1	1	1	0	0
-7.5°	2	1	1	1	1	1	1	1	1	0	0
-8.75°	2	1	1	1	1	1	1	1	1	0	0
-10°	2	1	1	1	1	1	1	1	1	0	0
-11.25°	2	1	1	1	1	1	1	1	1	0	0
-12.5°	1	1	1	1	1	1	1	1	1	0	0
-13.75°	1	1	1	1	1	1	1	1	1	0	0
-15°	1	1	1	1	1	1	1	1	1	0	0
-16.25°	1	1	1	1	1	1	1	1	1	0	0
-17.5°	1	1	1	1	1	1	1	1	1	0	0
-18.75°	1	1	1	1	1	1	1	1	1	0	0
-20°	1	1	1	1	1	1	1	1	1	0	0
-21.25°	1	1	1	1	1	1	1	1	1	0	0



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	1	1	1	1	1	1	1	1	1	0	0
-23.75°	1	1	1	1	1	1	1	1	1	0	0
-25°	1	1	1	1	1	1	1	1	1	0	0
-26.25°	1	1	1	1	1	1	1	1	1	0	0
-27.5°	1	1	1	1	1	1	1	1	1	0	0
-28.75°	1	1	1	1	1	1	1	1	1	0	0
-30°	1	1	1	1	1	1	1	1	1	0	0
-31.25°	1	1	1	1	1	1	1	1	1	0	0
-32.5°	1	1	1	1	1	1	1	1	1	0	0
-33.75°	1	1	1	1	1	1	1	1	1	0	0
-35°	1	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: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220651 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)