

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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

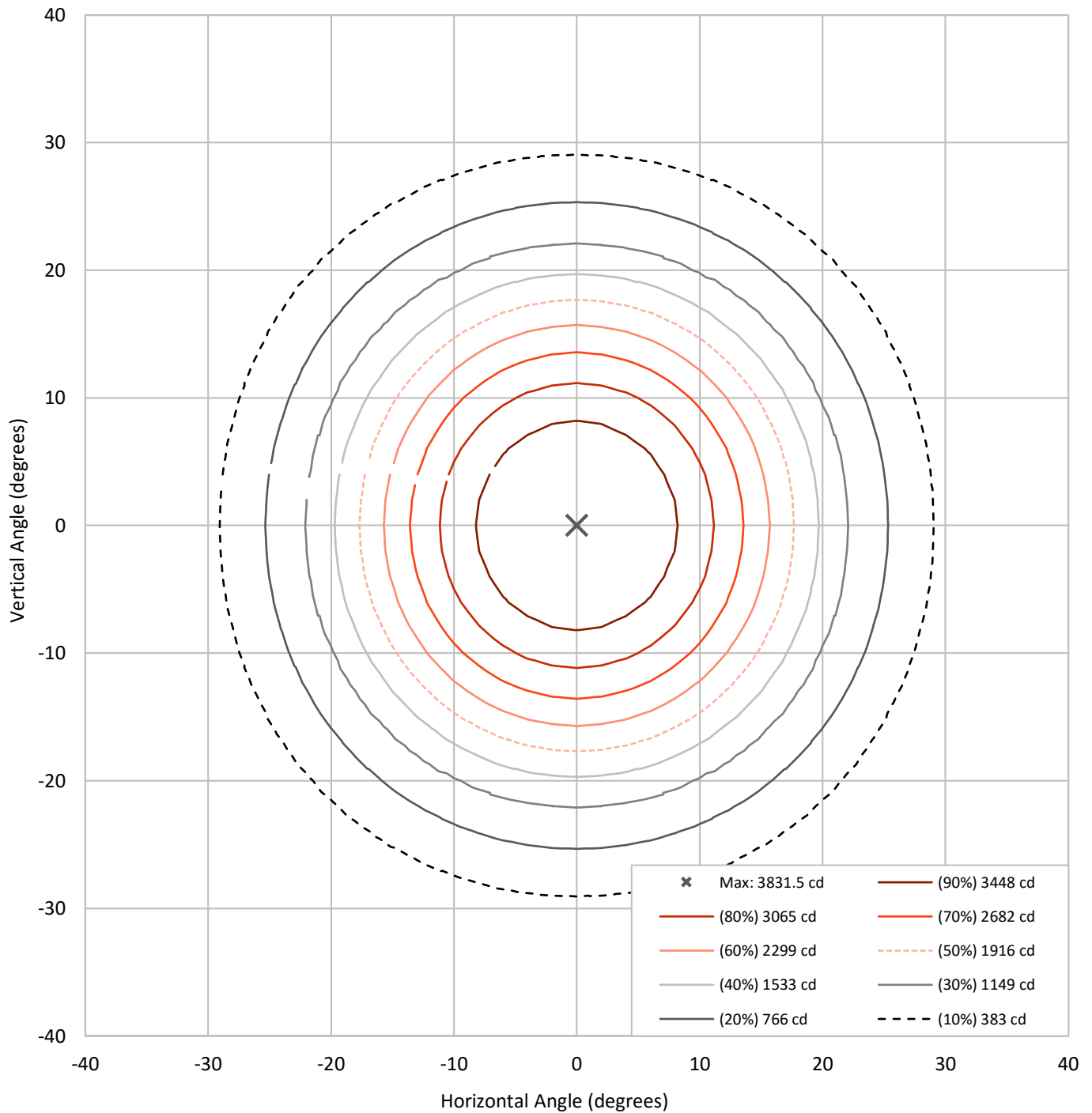
Test Method: LM-79-08
Report Number: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD
OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1425.3 lumens	Max Intensity:	3831.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	70.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.4°H x 35.4°V	Field Angle (10%):	58.1°H x 58.1°V
Beam Lumens:	853.8 lumens	Field Lumens:	1338 lumens
Beam Efficiency:	59.9%	Field Efficiency:	93.9%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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

Iso-Candela Plot





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

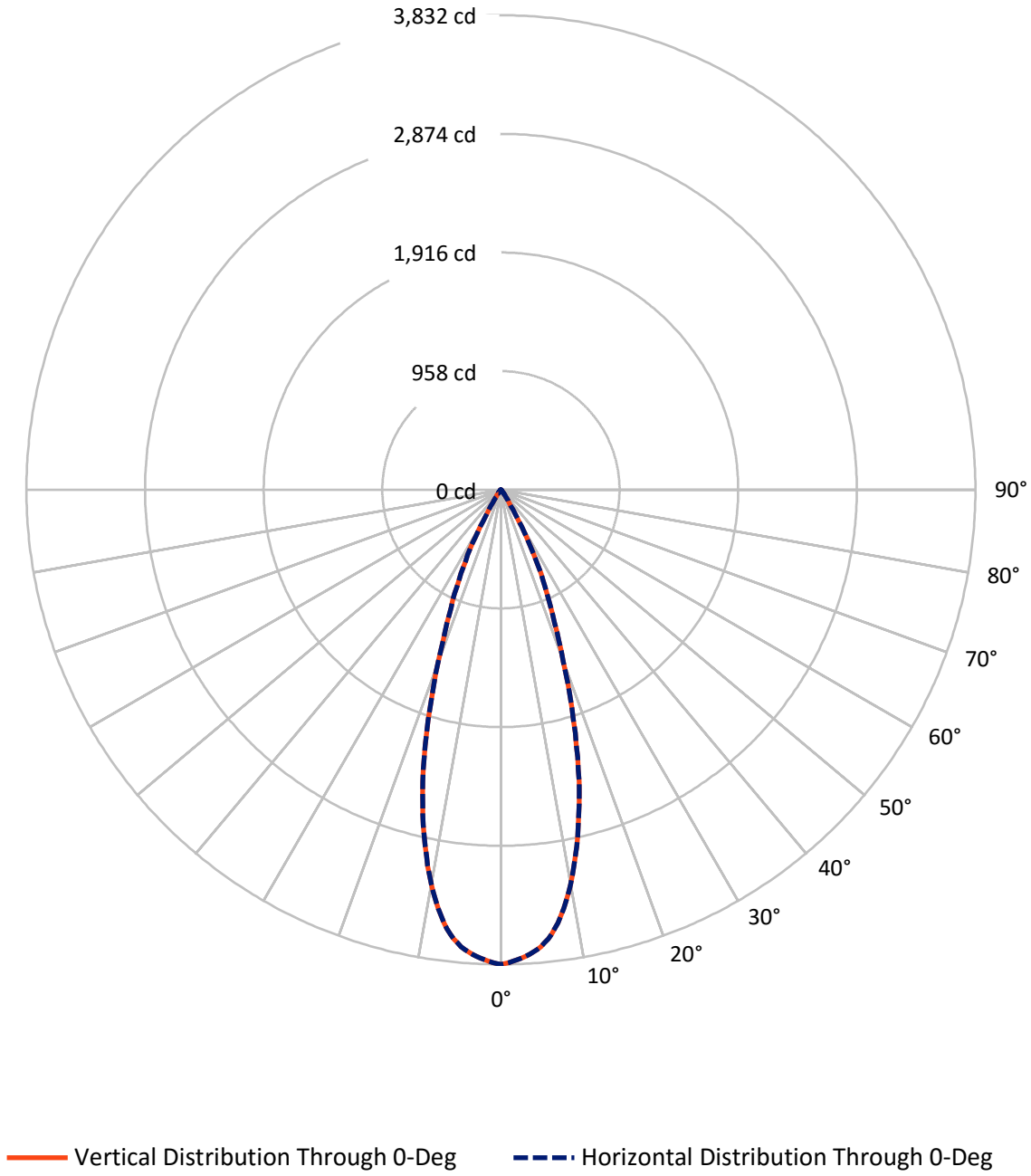
Lumen Table

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	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	0.0
70	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0
40		0.0	0.0	0.1	0.1	0.4	1.2	2.5	2.5	1.2	0.4	0.1	0.1	0.0	
30	0.0	0.0	0.0	0.1	0.4	2.6	12.3	22.8	22.8	12.3	2.6	0.4	0.1	0.0	0.0
20		0.0	0.1	0.1	1.1	11.6	39.0	67.2	67.2	39.0	11.6	1.1	0.1	0.1	
10	0.0	0.0	0.1	0.2	2.1	21.0	65.3	104.3	104.3	65.3	21.0	2.1	0.2	0.1	0.0
0		0.0	0.1	0.2	2.1	21.0	65.3	104.3	104.3	65.3	21.0	2.1	0.2	0.1	
-10	0.0	0.0	0.1	0.1	1.1	11.6	39.0	67.2	67.2	39.0	11.6	1.1	0.1	0.1	0.0
-20		0.0	0.0	0.1	0.4	2.6	12.3	22.8	22.8	12.3	2.6	0.4	0.1	0.0	
-30	0.0	0.0	0.0	0.1	0.1	0.4	1.2	2.5	2.5	1.2	0.4	0.1	0.1	0.0	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	0.0	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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
-70	0.0	0.0	0.0	0.0	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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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	0.0

REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

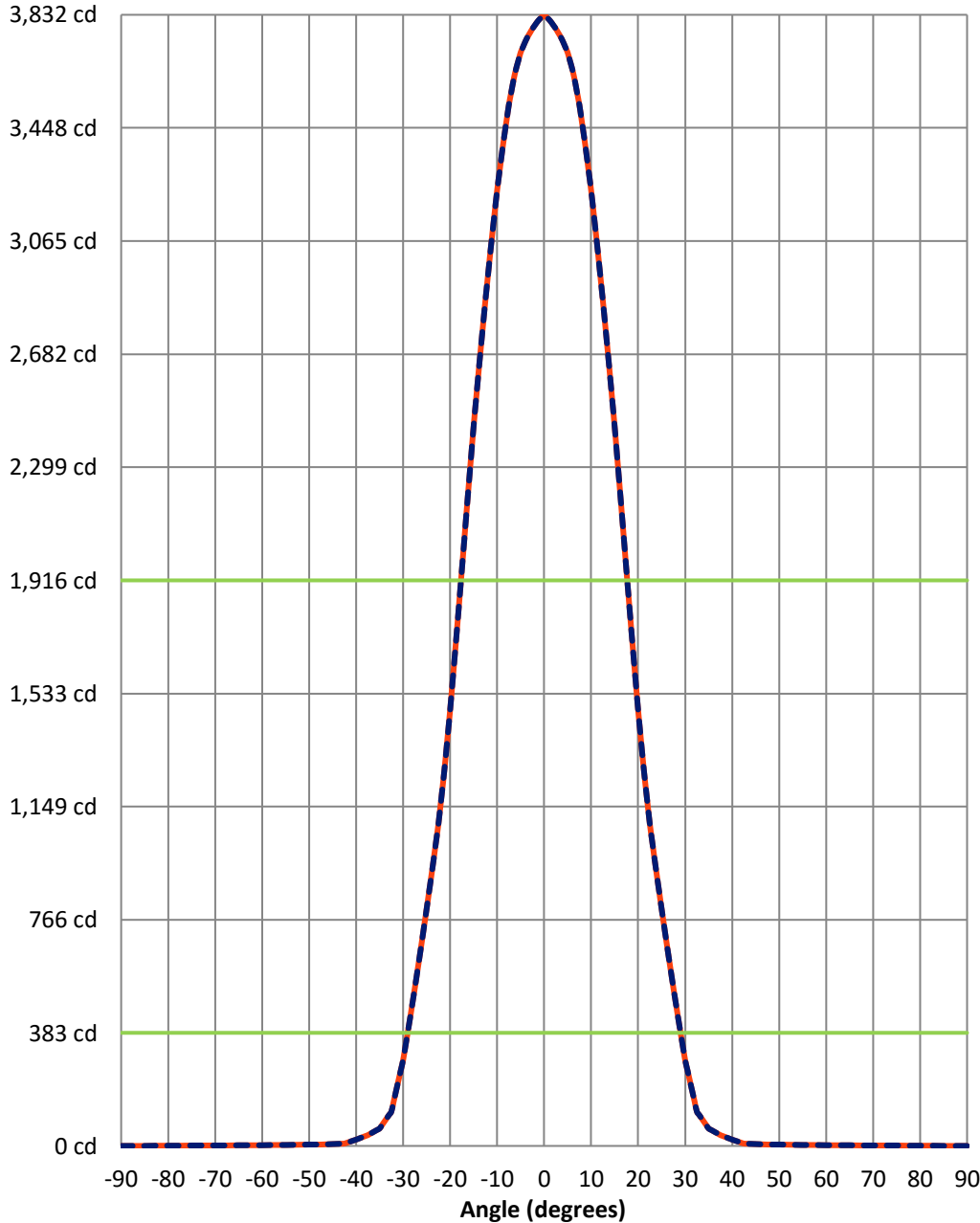
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 35.4°
 V Angle: 35.4°
 Lumens: 853.8
 Efficiency: 59.9%

Field:
 H Angle: 58.1°
 V Angle: 58.1°
 Lumens: 1338
 Efficiency: 93.9%

Spill:
 Lumens: 87.3
 Efficiency: 6.1%

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



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

FIELD
BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	0	0	1	1	1	1	1
-23.75°	0	0	0	0	0	0	1	1	1	1	1
-25°	0	0	0	0	0	0	1	1	1	1	1
-26.25°	0	0	0	0	0	0	1	1	1	1	1
-27.5°	0	0	0	0	0	0	1	1	1	1	1
-28.75°	0	0	0	0	0	0	1	1	1	1	1
-30°	0	0	0	0	0	0	0	1	1	1	1
-31.25°	0	0	0	0	0	0	0	1	1	1	1
-32.5°	0	0	0	0	0	0	0	1	1	1	1
-33.75°	0	0	0	0	0	0	0	1	1	1	1
-35°	0	0	0	0	0	0	0	1	1	1	1
-36.25°	0	0	0	0	0	0	0	1	1	1	1
-37.5°	0	0	0	0	0	0	0	1	1	1	1
-38.75°	0	0	0	0	0	0	0	1	1	1	1
-40°	0	0	0	0	0	0	0	1	1	1	1
-41.25°	0	0	0	0	0	0	0	1	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-43.75°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-46.25°	0	0	0	0	0	0	0	0	1	1	1
-47.5°	0	0	0	0	0	0	0	0	1	1	1
-48.75°	0	0	0	0	0	0	0	0	1	1	1
-50°	0	0	0	0	0	0	0	0	0	1	1
-51.25°	0	0	0	0	0	0	0	0	0	1	1
-52.5°	0	0	0	0	0	0	0	0	0	1	1
-53.75°	0	0	0	0	0	0	0	0	0	1	1
-55°	0	0	0	0	0	0	0	0	0	0	1
-56.25°	0	0	0	0	0	0	0	0	0	0	1
-57.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	1
73.75°	0	0	0	0	0	0	0	0	0	1	1
72.5°	0	0	0	0	0	0	0	1	1	1	1
71.25°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	0	0	0	1	1	1	1	1	1
68.75°	0	0	0	0	1	1	1	1	1	1	1
67.5°	0	0	0	1	1	1	1	1	1	1	1
66.25°	0	0	0	1	1	1	1	1	1	1	1
65°	0	0	1	1	1	1	1	1	1	1	1
63.75°	0	1	1	1	1	1	1	1	1	1	1
62.5°	0	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	1	1	2	2	2	2	2	2	2	2	2
-23.75°	1	1	2	2	2	2	2	2	2	2	2
-25°	1	1	2	2	2	2	2	2	2	2	2
-26.25°	1	1	1	2	2	2	2	2	2	2	2
-27.5°	1	1	1	2	2	2	2	2	2	2	2
-28.75°	1	1	1	2	2	2	2	2	2	2	2
-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°	0	1	1	1	1	1	1	1	1	1	1
-63.75°	0	1	1	1	1	1	1	1	1	1	1
-65°	0	0	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	1	1	1	1	1	1	1	1
-67.5°	0	0	0	1	1	1	1	1	1	1	1
-68.75°	0	0	0	0	1	1	1	1	1	1	1
-70°	0	0	0	0	0	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	1	1
-75°	0	0	0	0	0	0	0	0	0	0	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	2	2	2	2	3	3	3	3	3	4
-23.75°	2	2	2	2	2	3	3	3	3	3	4
-25°	2	2	2	2	2	2	3	3	3	3	3
-26.25°	2	2	2	2	2	2	3	3	3	3	3
-27.5°	2	2	2	2	2	2	3	3	3	3	3
-28.75°	2	2	2	2	2	2	2	3	3	3	3
-30°	2	2	2	2	2	2	2	3	3	3	3
-31.25°	2	2	2	2	2	2	2	3	3	3	3
-32.5°	2	2	2	2	2	2	2	2	3	3	3
-33.75°	2	2	2	2	2	2	2	2	3	3	3
-35°	2	2	2	2	2	2	2	2	2	3	3
-36.25°	2	2	2	2	2	2	2	2	2	3	3
-37.5°	2	2	2	2	2	2	2	2	2	2	3
-38.75°	2	2	2	2	2	2	2	2	2	2	2
-40°	2	2	2	2	2	2	2	2	2	2	2
-41.25°	2	2	2	2	2	2	2	2	2	2	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°	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	2
-51.25°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	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°	0	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	1	1	1	1	1	1	1



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	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	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	2
51.25°	2	2	2	2	2	2	2	2	2	2	3
50°	2	2	2	2	2	2	2	2	2	3	3
48.75°	2	2	2	2	2	2	2	3	3	3	3
47.5°	2	2	2	2	2	2	3	3	3	3	3
46.25°	2	2	2	2	2	3	3	3	3	3	3
45°	2	2	2	2	3	3	3	3	3	3	3
43.75°	2	2	2	3	3	3	3	3	3	3	3
42.5°	2	2	3	3	3	3	3	3	3	3	4
41.25°	2	3	3	3	3	3	3	3	3	4	4
40°	3	3	3	3	3	3	3	3	4	4	4
38.75°	3	3	3	3	3	3	3	4	4	4	4
37.5°	3	3	3	3	3	3	4	4	4	4	5
36.25°	3	3	3	3	3	4	4	4	4	5	5
35°	3	3	3	3	4	4	4	4	5	5	5



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	3	3	3	4	4	4	4	5	5	5	5
32.5°	3	3	3	4	4	4	5	5	5	5	5
31.25°	3	3	4	4	4	5	5	5	5	5	5
30°	3	3	4	4	4	5	5	5	5	5	6
28.75°	3	4	4	4	5	5	5	5	5	6	6
27.5°	3	4	4	4	5	5	5	5	6	6	7
26.25°	4	4	4	5	5	5	5	5	6	7	7
25°	4	4	4	5	5	5	5	6	6	7	8
23.75°	4	4	5	5	5	5	5	6	7	7	8
22.5°	4	4	5	5	5	5	6	6	7	8	12
21.25°	4	4	5	5	5	5	6	7	7	9	15
20°	4	5	5	5	5	6	6	7	8	12	18
18.75°	4	5	5	5	5	6	7	7	9	14	20
17.5°	4	5	5	5	5	6	7	8	11	17	23
16.25°	5	5	5	5	6	6	7	8	13	19	26
15°	5	5	5	5	6	7	7	9	15	22	29
13.75°	5	5	5	5	6	7	8	11	17	24	31
12.5°	5	5	5	6	6	7	8	13	19	26	33
11.25°	5	5	5	6	6	7	8	15	21	28	35
10°	5	5	5	6	7	7	9	16	23	30	37
8.75°	5	5	5	6	7	8	11	17	24	31	40
7.5°	5	5	5	6	7	8	12	18	25	33	42
6.25°	5	5	5	6	7	8	13	19	27	34	44
5°	5	5	5	6	7	8	13	20	27	35	45
3.75°	5	5	6	6	7	8	14	21	28	36	46
2.5°	5	5	6	6	7	8	14	21	29	36	47
1.25°	5	5	6	6	7	8	15	21	29	37	48
0°	5	5	6	6	7	8	15	22	29	37	48
-1.25°	5	5	6	6	7	8	15	21	29	37	48
-2.5°	5	5	6	6	7	8	14	21	29	36	47
-3.75°	5	5	6	6	7	8	14	21	28	36	46
-5°	5	5	5	6	7	8	13	20	27	35	45
-6.25°	5	5	5	6	7	8	13	19	27	34	44
-7.5°	5	5	5	6	7	8	12	18	25	33	42
-8.75°	5	5	5	6	7	8	11	17	24	31	40
-10°	5	5	5	6	7	7	9	16	23	30	37
-11.25°	5	5	5	6	6	7	8	15	21	28	35
-12.5°	5	5	5	6	6	7	8	13	19	26	33
-13.75°	5	5	5	5	6	7	8	11	17	24	31
-15°	5	5	5	5	6	7	7	9	15	22	29
-16.25°	5	5	5	5	6	6	7	8	13	19	26
-17.5°	4	5	5	5	5	6	7	8	11	17	23
-18.75°	4	5	5	5	5	6	7	7	9	14	20
-20°	4	5	5	5	5	6	6	7	8	12	18
-21.25°	4	4	5	5	5	5	6	7	7	9	15



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	4	4	5	5	5	5	6	6	7	8	12
-23.75°	4	4	5	5	5	5	5	6	7	7	8
-25°	4	4	4	5	5	5	5	6	6	7	8
-26.25°	4	4	4	5	5	5	5	5	6	7	7
-27.5°	3	4	4	4	5	5	5	5	6	6	7
-28.75°	3	4	4	4	5	5	5	5	5	6	6
-30°	3	3	4	4	4	5	5	5	5	5	6
-31.25°	3	3	4	4	4	5	5	5	5	5	5
-32.5°	3	3	3	4	4	4	5	5	5	5	5
-33.75°	3	3	3	4	4	4	4	5	5	5	5
-35°	3	3	3	3	4	4	4	4	5	5	5
-36.25°	3	3	3	3	3	4	4	4	4	5	5
-37.5°	3	3	3	3	3	3	4	4	4	4	5
-38.75°	3	3	3	3	3	3	3	4	4	4	4
-40°	3	3	3	3	3	3	3	3	4	4	4
-41.25°	2	3	3	3	3	3	3	3	3	4	4
-42.5°	2	2	3	3	3	3	3	3	3	3	4
-43.75°	2	2	2	3	3	3	3	3	3	3	3
-45°	2	2	2	2	3	3	3	3	3	3	3
-46.25°	2	2	2	2	2	3	3	3	3	3	3
-47.5°	2	2	2	2	2	2	3	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	2	3	3
-51.25°	2	2	2	2	2	2	2	2	2	2	3
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	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	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	3	3
55°	2	2	2	2	2	2	3	3	3	3	3
53.75°	2	2	2	3	3	3	3	3	3	3	3
52.5°	2	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	4	4
48.75°	3	3	3	3	3	3	3	4	4	4	4
47.5°	3	3	3	3	3	4	4	4	4	4	4
46.25°	3	3	3	4	4	4	4	4	4	5	5
45°	3	4	4	4	4	4	4	5	5	5	5
43.75°	4	4	4	4	4	5	5	5	5	5	5
42.5°	4	4	4	5	5	5	5	5	5	5	5
41.25°	4	4	5	5	5	5	5	5	5	5	6
40°	4	5	5	5	5	5	5	5	6	6	6
38.75°	5	5	5	5	5	5	6	6	6	7	7
37.5°	5	5	5	5	5	6	6	7	7	7	8
36.25°	5	5	5	5	6	6	7	7	8	8	12
35°	5	5	6	6	7	7	7	8	10	14	17



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	5	6	6	7	7	8	8	12	16	19	23
32.5°	6	6	7	7	8	9	13	17	21	25	29
31.25°	6	7	7	8	9	14	18	22	26	31	35
30°	7	7	8	9	14	18	23	27	32	36	42
28.75°	7	8	9	14	18	23	28	33	38	44	51
27.5°	7	8	13	18	23	28	33	39	46	53	60
26.25°	8	12	17	22	27	33	39	46	53	63	81
25°	10	16	21	26	32	38	46	53	64	83	102
23.75°	14	19	25	31	36	44	53	63	83	103	133
22.5°	17	23	29	35	42	51	60	81	102	133	193
21.25°	20	26	33	40	49	57	77	98	126	190	252
20°	24	30	36	45	54	70	93	115	179	244	314
18.75°	27	33	41	51	61	85	108	161	230	299	388
17.5°	30	36	46	56	75	99	136	207	278	367	462
16.25°	33	41	51	63	88	112	178	252	336	434	535
15°	35	45	55	74	100	142	218	294	395	499	606
13.75°	39	49	59	85	111	178	256	347	453	562	674
12.5°	42	53	69	95	132	212	291	397	508	623	739
11.25°	45	56	78	105	162	243	334	445	560	679	800
10°	48	59	86	113	188	270	373	488	608	731	857
8.75°	51	65	93	128	212	297	410	529	652	779	908
7.5°	53	71	99	148	233	326	442	564	690	821	953
6.25°	55	76	104	165	250	351	470	595	724	857	991
5°	56	80	109	179	265	372	493	620	752	888	1023
3.75°	58	84	112	190	276	388	512	641	774	912	1052
2.5°	58	86	115	198	285	400	525	655	790	929	1073
1.25°	59	87	116	202	290	408	533	664	800	939	1085
0°	59	88	117	204	291	410	536	667	803	942	1089
-1.25°	59	87	116	202	290	408	533	664	800	939	1085
-2.5°	58	86	115	198	285	400	525	655	790	929	1073
-3.75°	58	84	112	190	276	388	512	641	774	912	1052
-5°	56	80	109	179	265	372	493	620	752	888	1023
-6.25°	55	76	104	165	250	351	470	595	724	857	991
-7.5°	53	71	99	148	233	326	442	564	690	821	953
-8.75°	51	65	93	128	212	297	410	529	652	779	908
-10°	48	59	86	113	188	270	373	488	608	731	857
-11.25°	45	56	78	105	162	243	334	445	560	679	800
-12.5°	42	53	69	95	132	212	291	397	508	623	739
-13.75°	39	49	59	85	111	178	256	347	453	562	674
-15°	35	45	55	74	100	142	218	294	395	499	606
-16.25°	33	41	51	63	88	112	178	252	336	434	535
-17.5°	30	36	46	56	75	99	136	207	278	367	462
-18.75°	27	33	41	51	61	85	108	161	230	299	388
-20°	24	30	36	45	54	70	93	115	179	244	314
-21.25°	20	26	33	40	49	57	77	98	126	190	252



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	17	23	29	35	42	51	60	81	102	133	193
-23.75°	14	19	25	31	36	44	53	63	83	103	133
-25°	10	16	21	26	32	38	46	53	64	83	102
-26.25°	8	12	17	22	27	33	39	46	53	63	81
-27.5°	7	8	13	18	23	28	33	39	46	53	60
-28.75°	7	8	9	14	18	23	28	33	38	44	51
-30°	7	7	8	9	14	18	23	27	32	36	42
-31.25°	6	7	7	8	9	14	18	22	26	31	35
-32.5°	6	6	7	7	8	9	13	17	21	25	29
-33.75°	5	6	6	7	7	8	8	12	16	19	23
-35°	5	5	6	6	7	7	7	8	10	14	17
-36.25°	5	5	5	5	6	6	7	7	8	8	12
-37.5°	5	5	5	5	5	6	6	7	7	7	8
-38.75°	5	5	5	5	5	5	6	6	6	7	7
-40°	4	5	5	5	5	5	5	5	6	6	6
-41.25°	4	4	5	5	5	5	5	5	5	5	6
-42.5°	4	4	4	5	5	5	5	5	5	5	5
-43.75°	4	4	4	4	4	5	5	5	5	5	5
-45°	3	4	4	4	4	4	4	5	5	5	5
-46.25°	3	3	3	4	4	4	4	4	4	5	5
-47.5°	3	3	3	3	3	4	4	4	4	4	4
-48.75°	3	3	3	3	3	3	3	4	4	4	4
-50°	3	3	3	3	3	3	3	3	3	4	4
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	2	3	3	3	3	3	3	3	3	3	3
-53.75°	2	2	2	3	3	3	3	3	3	3	3
-55°	2	2	2	2	2	2	3	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	2	3	3
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	0	0	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	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	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	4	4	4	4	4	4
51.25°	3	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	5	5	5
48.75°	4	4	4	4	5	5	5	5	5	5	5
47.5°	4	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	5	5	5	5	5	5	5	6	6	6	6
43.75°	5	5	5	5	6	6	6	6	6	7	7
42.5°	5	6	6	6	6	7	7	7	7	7	8
41.25°	6	6	7	7	7	7	8	8	8	9	11
40°	7	7	7	8	8	9	11	13	15	16	17
38.75°	7	8	9	11	13	15	17	19	21	23	24
37.5°	9	12	14	17	19	22	24	26	28	30	31
36.25°	15	18	20	23	26	29	31	33	35	37	40
35°	20	24	27	30	33	35	39	42	45	48	51



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	26	30	33	36	41	45	49	53	56	59	65
32.5°	33	36	41	46	51	55	59	69	78	86	93
31.25°	40	45	51	56	63	74	85	95	105	113	128
30°	49	54	61	75	88	100	111	132	162	188	212
28.75°	57	70	85	99	112	142	178	212	243	270	297
27.5°	77	93	108	136	178	218	256	291	334	373	410
26.25°	98	115	161	207	252	294	347	397	445	488	529
25°	126	179	230	278	336	395	453	508	560	608	652
23.75°	190	244	299	367	434	499	562	623	679	731	779
22.5°	252	314	388	462	535	606	674	739	800	857	908
21.25°	320	399	480	560	638	714	788	858	923	983	1038
20°	399	485	572	658	742	824	902	976	1047	1119	1190
18.75°	480	572	664	756	845	932	1014	1101	1189	1280	1369
17.5°	560	658	756	853	947	1039	1138	1245	1355	1463	1568
16.25°	638	742	845	947	1048	1157	1280	1408	1536	1660	1776
15°	714	824	932	1039	1157	1291	1435	1581	1724	1860	1989
13.75°	788	902	1014	1138	1280	1435	1597	1757	1913	2063	2199
12.5°	858	976	1101	1245	1408	1581	1757	1931	2100	2256	2397
11.25°	923	1047	1189	1355	1536	1724	1913	2100	2275	2436	2576
10°	983	1119	1280	1463	1660	1860	2063	2256	2436	2595	2740
8.75°	1038	1190	1369	1568	1776	1989	2199	2397	2576	2740	2887
7.5°	1092	1258	1452	1663	1881	2104	2319	2518	2700	2867	3018
6.25°	1139	1319	1527	1747	1976	2204	2423	2622	2808	2977	3133
5°	1183	1375	1591	1818	2055	2287	2506	2708	2895	3070	3227
3.75°	1219	1419	1642	1875	2117	2352	2571	2777	2965	3142	3298
2.5°	1246	1451	1679	1918	2163	2400	2619	2824	3016	3194	3351
1.25°	1262	1470	1702	1943	2190	2428	2647	2853	3047	3226	3382
0°	1267	1476	1709	1952	2199	2438	2656	2863	3057	3237	3392
-1.25°	1262	1470	1702	1943	2190	2428	2647	2853	3047	3226	3382
-2.5°	1246	1451	1679	1918	2163	2400	2619	2824	3016	3194	3351
-3.75°	1219	1419	1642	1875	2117	2352	2571	2777	2965	3142	3298
-5°	1183	1375	1591	1818	2055	2287	2506	2708	2895	3070	3227
-6.25°	1139	1319	1527	1747	1976	2204	2423	2622	2808	2977	3133
-7.5°	1092	1258	1452	1663	1881	2104	2319	2518	2700	2867	3018
-8.75°	1038	1190	1369	1568	1776	1989	2199	2397	2576	2740	2887
-10°	983	1119	1280	1463	1660	1860	2063	2256	2436	2595	2740
-11.25°	923	1047	1189	1355	1536	1724	1913	2100	2275	2436	2576
-12.5°	858	976	1101	1245	1408	1581	1757	1931	2100	2256	2397
-13.75°	788	902	1014	1138	1280	1435	1597	1757	1913	2063	2199
-15°	714	824	932	1039	1157	1291	1435	1581	1724	1860	1989
-16.25°	638	742	845	947	1048	1157	1280	1408	1536	1660	1776
-17.5°	560	658	756	853	947	1039	1138	1245	1355	1463	1568
-18.75°	480	572	664	756	845	932	1014	1101	1189	1280	1369
-20°	399	485	572	658	742	824	902	976	1047	1119	1190
-21.25°	320	399	480	560	638	714	788	858	923	983	1038



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	252	314	388	462	535	606	674	739	800	857	908
-23.75°	190	244	299	367	434	499	562	623	679	731	779
-25°	126	179	230	278	336	395	453	508	560	608	652
-26.25°	98	115	161	207	252	294	347	397	445	488	529
-27.5°	77	93	108	136	178	218	256	291	334	373	410
-28.75°	57	70	85	99	112	142	178	212	243	270	297
-30°	49	54	61	75	88	100	111	132	162	188	212
-31.25°	40	45	51	56	63	74	85	95	105	113	128
-32.5°	33	36	41	46	51	55	59	69	78	86	93
-33.75°	26	30	33	36	41	45	49	53	56	59	65
-35°	20	24	27	30	33	35	39	42	45	48	51
-36.25°	15	18	20	23	26	29	31	33	35	37	40
-37.5°	9	12	14	17	19	22	24	26	28	30	31
-38.75°	7	8	9	11	13	15	17	19	21	23	24
-40°	7	7	7	8	8	9	11	13	15	16	17
-41.25°	6	6	7	7	7	7	8	8	8	9	11
-42.5°	5	6	6	6	6	7	7	7	7	7	8
-43.75°	5	5	5	5	6	6	6	6	6	7	7
-45°	5	5	5	5	5	5	5	6	6	6	6
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	4	5	5	5	5	5	5	5	5	5	5
-48.75°	4	4	4	4	5	5	5	5	5	5	5
-50°	4	4	4	4	4	4	4	4	5	5	5
-51.25°	3	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	3	3	4	4	4	4	4	4
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	2	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	3	3	3	3
-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	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	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°	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°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	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	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	6	6	6	6	6	6	6	5
45°	6	6	6	6	6	6	6	6	6	6	6
43.75°	7	7	7	7	7	7	7	7	7	7	7
42.5°	8	8	8	8	8	8	8	8	8	8	8
41.25°	12	13	13	14	14	15	15	15	14	14	13
40°	18	19	20	21	21	21	22	21	21	21	20
38.75°	25	27	27	28	29	29	29	29	29	28	27
37.5°	33	34	35	36	36	37	37	37	36	36	35
36.25°	42	44	45	46	47	48	48	48	47	46	45
35°	53	55	56	58	58	59	59	59	58	58	56



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	71	76	80	84	86	87	88	87	86	84	80
32.5°	99	104	109	112	115	116	117	116	115	112	109
31.25°	148	165	179	190	198	202	204	202	198	190	179
30°	233	250	265	276	285	290	291	290	285	276	265
28.75°	326	351	372	388	400	408	410	408	400	388	372
27.5°	442	470	493	512	525	533	536	533	525	512	493
26.25°	564	595	620	641	655	664	667	664	655	641	620
25°	690	724	752	774	790	800	803	800	790	774	752
23.75°	821	857	888	912	929	939	942	939	929	912	888
22.5°	953	991	1023	1052	1073	1085	1089	1085	1073	1052	1023
21.25°	1092	1139	1183	1219	1246	1262	1267	1262	1246	1219	1183
20°	1258	1319	1375	1419	1451	1470	1476	1470	1451	1419	1375
18.75°	1452	1527	1591	1642	1679	1702	1709	1702	1679	1642	1591
17.5°	1663	1747	1818	1875	1918	1943	1952	1943	1918	1875	1818
16.25°	1881	1976	2055	2117	2163	2190	2199	2190	2163	2117	2055
15°	2104	2204	2287	2352	2400	2428	2438	2428	2400	2352	2287
13.75°	2319	2423	2506	2571	2619	2647	2656	2647	2619	2571	2506
12.5°	2518	2622	2708	2777	2824	2853	2863	2853	2824	2777	2708
11.25°	2700	2808	2895	2965	3016	3047	3057	3047	3016	2965	2895
10°	2867	2977	3070	3142	3194	3226	3237	3226	3194	3142	3070
8.75°	3018	3133	3227	3298	3351	3382	3392	3382	3351	3298	3227
7.5°	3153	3268	3362	3434	3487	3517	3527	3517	3487	3434	3362
6.25°	3268	3383	3478	3548	3596	3623	3632	3623	3596	3548	3478
5°	3362	3478	3569	3632	3673	3696	3704	3696	3673	3632	3569
3.75°	3434	3548	3632	3688	3723	3744	3750	3744	3723	3688	3632
2.5°	3487	3596	3673	3723	3757	3777	3784	3777	3757	3723	3673
1.25°	3517	3623	3696	3744	3777	3801	3812	3801	3777	3744	3696
0°	3527	3632	3704	3750	3784	3812	3832	3812	3784	3750	3704
-1.25°	3517	3623	3696	3744	3777	3801	3812	3801	3777	3744	3696
-2.5°	3487	3596	3673	3723	3757	3777	3784	3777	3757	3723	3673
-3.75°	3434	3548	3632	3688	3723	3744	3750	3744	3723	3688	3632
-5°	3362	3478	3569	3632	3673	3696	3704	3696	3673	3632	3569
-6.25°	3268	3383	3478	3548	3596	3623	3632	3623	3596	3548	3478
-7.5°	3153	3268	3362	3434	3487	3517	3527	3517	3487	3434	3362
-8.75°	3018	3133	3227	3298	3351	3382	3392	3382	3351	3298	3227
-10°	2867	2977	3070	3142	3194	3226	3237	3226	3194	3142	3070
-11.25°	2700	2808	2895	2965	3016	3047	3057	3047	3016	2965	2895
-12.5°	2518	2622	2708	2777	2824	2853	2863	2853	2824	2777	2708
-13.75°	2319	2423	2506	2571	2619	2647	2656	2647	2619	2571	2506
-15°	2104	2204	2287	2352	2400	2428	2438	2428	2400	2352	2287
-16.25°	1881	1976	2055	2117	2163	2190	2199	2190	2163	2117	2055
-17.5°	1663	1747	1818	1875	1918	1943	1952	1943	1918	1875	1818
-18.75°	1452	1527	1591	1642	1679	1702	1709	1702	1679	1642	1591
-20°	1258	1319	1375	1419	1451	1470	1476	1470	1451	1419	1375
-21.25°	1092	1139	1183	1219	1246	1262	1267	1262	1246	1219	1183



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	953	991	1023	1052	1073	1085	1089	1085	1073	1052	1023
-23.75°	821	857	888	912	929	939	942	939	929	912	888
-25°	690	724	752	774	790	800	803	800	790	774	752
-26.25°	564	595	620	641	655	664	667	664	655	641	620
-27.5°	442	470	493	512	525	533	536	533	525	512	493
-28.75°	326	351	372	388	400	408	410	408	400	388	372
-30°	233	250	265	276	285	290	291	290	285	276	265
-31.25°	148	165	179	190	198	202	204	202	198	190	179
-32.5°	99	104	109	112	115	116	117	116	115	112	109
-33.75°	71	76	80	84	86	87	88	87	86	84	80
-35°	53	55	56	58	58	59	59	59	58	58	56
-36.25°	42	44	45	46	47	48	48	48	47	46	45
-37.5°	33	34	35	36	36	37	37	37	36	36	35
-38.75°	25	27	27	28	29	29	29	29	29	28	27
-40°	18	19	20	21	21	21	22	21	21	21	20
-41.25°	12	13	13	14	14	15	15	15	14	14	13
-42.5°	8	8	8	8	8	8	8	8	8	8	8
-43.75°	7	7	7	7	7	7	7	7	7	7	7
-45°	6	6	6	6	6	6	6	6	6	6	6
-46.25°	5	5	5	6	6	6	6	6	6	6	5
-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	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	3	4	4	4	4	4	4	4	4	4	4
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-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	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	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°	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°	3	3	3	3	3	3	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	4	3	3	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	3	3	3
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	5	5	5	5	5	4	4	4	4	4	4
48.75°	5	5	5	5	5	5	5	5	5	4	4
47.5°	5	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	6	6	6	6	6	6	5	5	5	5	5
43.75°	7	7	7	7	6	6	6	6	6	5	5
42.5°	8	8	8	7	7	7	7	7	6	6	6
41.25°	13	12	11	9	8	8	8	7	7	7	7
40°	19	18	17	16	15	13	11	9	8	8	7
38.75°	27	25	24	23	21	19	17	15	13	11	9
37.5°	34	33	31	30	28	26	24	22	19	17	14
36.25°	44	42	40	37	35	33	31	29	26	23	20
35°	55	53	51	48	45	42	39	35	33	30	27



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	76	71	65	59	56	53	49	45	41	36	33
32.5°	104	99	93	86	78	69	59	55	51	46	41
31.25°	165	148	128	113	105	95	85	74	63	56	51
30°	250	233	212	188	162	132	111	100	88	75	61
28.75°	351	326	297	270	243	212	178	142	112	99	85
27.5°	470	442	410	373	334	291	256	218	178	136	108
26.25°	595	564	529	488	445	397	347	294	252	207	161
25°	724	690	652	608	560	508	453	395	336	278	230
23.75°	857	821	779	731	679	623	562	499	434	367	299
22.5°	991	953	908	857	800	739	674	606	535	462	388
21.25°	1139	1092	1038	983	923	858	788	714	638	560	480
20°	1319	1258	1190	1119	1047	976	902	824	742	658	572
18.75°	1527	1452	1369	1280	1189	1101	1014	932	845	756	664
17.5°	1747	1663	1568	1463	1355	1245	1138	1039	947	853	756
16.25°	1976	1881	1776	1660	1536	1408	1280	1157	1048	947	845
15°	2204	2104	1989	1860	1724	1581	1435	1291	1157	1039	932
13.75°	2423	2319	2199	2063	1913	1757	1597	1435	1280	1138	1014
12.5°	2622	2518	2397	2256	2100	1931	1757	1581	1408	1245	1101
11.25°	2808	2700	2576	2436	2275	2100	1913	1724	1536	1355	1189
10°	2977	2867	2740	2595	2436	2256	2063	1860	1660	1463	1280
8.75°	3133	3018	2887	2740	2576	2397	2199	1989	1776	1568	1369
7.5°	3268	3153	3018	2867	2700	2518	2319	2104	1881	1663	1452
6.25°	3383	3268	3133	2977	2808	2622	2423	2204	1976	1747	1527
5°	3478	3362	3227	3070	2895	2708	2506	2287	2055	1818	1591
3.75°	3548	3434	3298	3142	2965	2777	2571	2352	2117	1875	1642
2.5°	3596	3487	3351	3194	3016	2824	2619	2400	2163	1918	1679
1.25°	3623	3517	3382	3226	3047	2853	2647	2428	2190	1943	1702
0°	3632	3527	3392	3237	3057	2863	2656	2438	2199	1952	1709
-1.25°	3623	3517	3382	3226	3047	2853	2647	2428	2190	1943	1702
-2.5°	3596	3487	3351	3194	3016	2824	2619	2400	2163	1918	1679
-3.75°	3548	3434	3298	3142	2965	2777	2571	2352	2117	1875	1642
-5°	3478	3362	3227	3070	2895	2708	2506	2287	2055	1818	1591
-6.25°	3383	3268	3133	2977	2808	2622	2423	2204	1976	1747	1527
-7.5°	3268	3153	3018	2867	2700	2518	2319	2104	1881	1663	1452
-8.75°	3133	3018	2887	2740	2576	2397	2199	1989	1776	1568	1369
-10°	2977	2867	2740	2595	2436	2256	2063	1860	1660	1463	1280
-11.25°	2808	2700	2576	2436	2275	2100	1913	1724	1536	1355	1189
-12.5°	2622	2518	2397	2256	2100	1931	1757	1581	1408	1245	1101
-13.75°	2423	2319	2199	2063	1913	1757	1597	1435	1280	1138	1014
-15°	2204	2104	1989	1860	1724	1581	1435	1291	1157	1039	932
-16.25°	1976	1881	1776	1660	1536	1408	1280	1157	1048	947	845
-17.5°	1747	1663	1568	1463	1355	1245	1138	1039	947	853	756
-18.75°	1527	1452	1369	1280	1189	1101	1014	932	845	756	664
-20°	1319	1258	1190	1119	1047	976	902	824	742	658	572
-21.25°	1139	1092	1038	983	923	858	788	714	638	560	480



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	991	953	908	857	800	739	674	606	535	462	388
-23.75°	857	821	779	731	679	623	562	499	434	367	299
-25°	724	690	652	608	560	508	453	395	336	278	230
-26.25°	595	564	529	488	445	397	347	294	252	207	161
-27.5°	470	442	410	373	334	291	256	218	178	136	108
-28.75°	351	326	297	270	243	212	178	142	112	99	85
-30°	250	233	212	188	162	132	111	100	88	75	61
-31.25°	165	148	128	113	105	95	85	74	63	56	51
-32.5°	104	99	93	86	78	69	59	55	51	46	41
-33.75°	76	71	65	59	56	53	49	45	41	36	33
-35°	55	53	51	48	45	42	39	35	33	30	27
-36.25°	44	42	40	37	35	33	31	29	26	23	20
-37.5°	34	33	31	30	28	26	24	22	19	17	14
-38.75°	27	25	24	23	21	19	17	15	13	11	9
-40°	19	18	17	16	15	13	11	9	8	8	7
-41.25°	13	12	11	9	8	8	8	7	7	7	7
-42.5°	8	8	8	7	7	7	7	7	6	6	6
-43.75°	7	7	7	7	6	6	6	6	6	5	5
-45°	6	6	6	6	6	6	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	4	4
-50°	5	5	5	5	5	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	3	3	3
-53.75°	4	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	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	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	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°	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°	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	2	2	2	2	2	2	2	2	2	2
56.25°	3	3	3	3	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	3	2	2	2	2
53.75°	3	3	3	3	3	3	3	3	3	3	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	4	3	3	3	3	3	3	3	3	3	3
50°	4	4	4	4	3	3	3	3	3	3	3
48.75°	4	4	4	4	4	4	3	3	3	3	3
47.5°	5	4	4	4	4	4	4	4	3	3	3
46.25°	5	5	5	5	4	4	4	4	4	4	3
45°	5	5	5	5	5	5	4	4	4	4	4
43.75°	5	5	5	5	5	5	5	5	4	4	4
42.5°	6	5	5	5	5	5	5	5	5	5	4
41.25°	6	6	6	5	5	5	5	5	5	5	5
40°	7	7	6	6	6	5	5	5	5	5	5
38.75°	8	7	7	7	6	6	6	5	5	5	5
37.5°	12	9	8	7	7	7	6	6	5	5	5
36.25°	18	15	12	8	8	7	7	6	6	5	5
35°	24	20	17	14	10	8	7	7	7	6	6



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	30	26	23	19	16	12	8	8	7	7	6
32.5°	36	33	29	25	21	17	13	9	8	7	7
31.25°	45	40	35	31	26	22	18	14	9	8	7
30°	54	49	42	36	32	27	23	18	14	9	8
28.75°	70	57	51	44	38	33	28	23	18	14	9
27.5°	93	77	60	53	46	39	33	28	23	18	13
26.25°	115	98	81	63	53	46	39	33	27	22	17
25°	179	126	102	83	64	53	46	38	32	26	21
23.75°	244	190	133	103	83	63	53	44	36	31	25
22.5°	314	252	193	133	102	81	60	51	42	35	29
21.25°	399	320	252	190	126	98	77	57	49	40	33
20°	485	399	314	244	179	115	93	70	54	45	36
18.75°	572	480	388	299	230	161	108	85	61	51	41
17.5°	658	560	462	367	278	207	136	99	75	56	46
16.25°	742	638	535	434	336	252	178	112	88	63	51
15°	824	714	606	499	395	294	218	142	100	74	55
13.75°	902	788	674	562	453	347	256	178	111	85	59
12.5°	976	858	739	623	508	397	291	212	132	95	69
11.25°	1047	923	800	679	560	445	334	243	162	105	78
10°	1119	983	857	731	608	488	373	270	188	113	86
8.75°	1190	1038	908	779	652	529	410	297	212	128	93
7.5°	1258	1092	953	821	690	564	442	326	233	148	99
6.25°	1319	1139	991	857	724	595	470	351	250	165	104
5°	1375	1183	1023	888	752	620	493	372	265	179	109
3.75°	1419	1219	1052	912	774	641	512	388	276	190	112
2.5°	1451	1246	1073	929	790	655	525	400	285	198	115
1.25°	1470	1262	1085	939	800	664	533	408	290	202	116
0°	1476	1267	1089	942	803	667	536	410	291	204	117
-1.25°	1470	1262	1085	939	800	664	533	408	290	202	116
-2.5°	1451	1246	1073	929	790	655	525	400	285	198	115
-3.75°	1419	1219	1052	912	774	641	512	388	276	190	112
-5°	1375	1183	1023	888	752	620	493	372	265	179	109
-6.25°	1319	1139	991	857	724	595	470	351	250	165	104
-7.5°	1258	1092	953	821	690	564	442	326	233	148	99
-8.75°	1190	1038	908	779	652	529	410	297	212	128	93
-10°	1119	983	857	731	608	488	373	270	188	113	86
-11.25°	1047	923	800	679	560	445	334	243	162	105	78
-12.5°	976	858	739	623	508	397	291	212	132	95	69
-13.75°	902	788	674	562	453	347	256	178	111	85	59
-15°	824	714	606	499	395	294	218	142	100	74	55
-16.25°	742	638	535	434	336	252	178	112	88	63	51
-17.5°	658	560	462	367	278	207	136	99	75	56	46
-18.75°	572	480	388	299	230	161	108	85	61	51	41
-20°	485	399	314	244	179	115	93	70	54	45	36
-21.25°	399	320	252	190	126	98	77	57	49	40	33



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	314	252	193	133	102	81	60	51	42	35	29
-23.75°	244	190	133	103	83	63	53	44	36	31	25
-25°	179	126	102	83	64	53	46	38	32	26	21
-26.25°	115	98	81	63	53	46	39	33	27	22	17
-27.5°	93	77	60	53	46	39	33	28	23	18	13
-28.75°	70	57	51	44	38	33	28	23	18	14	9
-30°	54	49	42	36	32	27	23	18	14	9	8
-31.25°	45	40	35	31	26	22	18	14	9	8	7
-32.5°	36	33	29	25	21	17	13	9	8	7	7
-33.75°	30	26	23	19	16	12	8	8	7	7	6
-35°	24	20	17	14	10	8	7	7	7	6	6
-36.25°	18	15	12	8	8	7	7	6	6	5	5
-37.5°	12	9	8	7	7	7	6	6	5	5	5
-38.75°	8	7	7	7	6	6	6	5	5	5	5
-40°	7	7	6	6	6	5	5	5	5	5	5
-41.25°	6	6	6	5	5	5	5	5	5	5	5
-42.5°	6	5	5	5	5	5	5	5	5	5	4
-43.75°	5	5	5	5	5	5	5	5	4	4	4
-45°	5	5	5	5	5	5	4	4	4	4	4
-46.25°	5	5	5	5	4	4	4	4	4	4	3
-47.5°	5	4	4	4	4	4	4	4	3	3	3
-48.75°	4	4	4	4	4	4	3	3	3	3	3
-50°	4	4	4	4	3	3	3	3	3	3	3
-51.25°	4	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	2
-55°	3	3	3	3	3	3	3	2	2	2	2
-56.25°	3	3	3	3	2	2	2	2	2	2	2
-57.5°	3	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	1	1	1	1	1	1	1	0	0	0	0
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	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°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	3	2	2	2	2	2	2	2	2	2	2
51.25°	3	3	3	2	2	2	2	2	2	2	2
50°	3	3	3	3	2	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	3	2	2	2	2
46.25°	3	3	3	3	3	3	3	3	2	2	2
45°	4	3	3	3	3	3	3	3	3	2	2
43.75°	4	4	3	3	3	3	3	3	3	3	2
42.5°	4	4	4	3	3	3	3	3	3	3	3
41.25°	4	4	4	4	3	3	3	3	3	3	3
40°	5	4	4	4	4	3	3	3	3	3	3
38.75°	5	5	4	4	4	4	3	3	3	3	3
37.5°	5	5	5	4	4	4	4	3	3	3	3
36.25°	5	5	5	5	4	4	4	4	3	3	3
35°	5	5	5	5	5	4	4	4	4	3	3



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	6	5	5	5	5	5	4	4	4	4	3
32.5°	6	6	5	5	5	5	5	4	4	4	3
31.25°	7	6	5	5	5	5	5	5	4	4	4
30°	7	7	6	5	5	5	5	5	4	4	4
28.75°	8	7	6	6	5	5	5	5	5	4	4
27.5°	8	7	7	6	6	5	5	5	5	4	4
26.25°	12	8	7	7	6	5	5	5	5	5	4
25°	16	10	8	7	6	6	5	5	5	5	4
23.75°	19	14	8	7	7	6	5	5	5	5	5
22.5°	23	17	12	8	7	6	6	5	5	5	5
21.25°	26	20	15	9	7	7	6	5	5	5	5
20°	30	24	18	12	8	7	6	6	5	5	5
18.75°	33	27	20	14	9	7	7	6	5	5	5
17.5°	36	30	23	17	11	8	7	6	5	5	5
16.25°	41	33	26	19	13	8	7	6	6	5	5
15°	45	35	29	22	15	9	7	7	6	5	5
13.75°	49	39	31	24	17	11	8	7	6	5	5
12.5°	53	42	33	26	19	13	8	7	6	6	5
11.25°	56	45	35	28	21	15	8	7	6	6	5
10°	59	48	37	30	23	16	9	7	7	6	5
8.75°	65	51	40	31	24	17	11	8	7	6	5
7.5°	71	53	42	33	25	18	12	8	7	6	5
6.25°	76	55	44	34	27	19	13	8	7	6	5
5°	80	56	45	35	27	20	13	8	7	6	5
3.75°	84	58	46	36	28	21	14	8	7	6	6
2.5°	86	58	47	36	29	21	14	8	7	6	6
1.25°	87	59	48	37	29	21	15	8	7	6	6
0°	88	59	48	37	29	22	15	8	7	6	6
-1.25°	87	59	48	37	29	21	15	8	7	6	6
-2.5°	86	58	47	36	29	21	14	8	7	6	6
-3.75°	84	58	46	36	28	21	14	8	7	6	6
-5°	80	56	45	35	27	20	13	8	7	6	5
-6.25°	76	55	44	34	27	19	13	8	7	6	5
-7.5°	71	53	42	33	25	18	12	8	7	6	5
-8.75°	65	51	40	31	24	17	11	8	7	6	5
-10°	59	48	37	30	23	16	9	7	7	6	5
-11.25°	56	45	35	28	21	15	8	7	6	6	5
-12.5°	53	42	33	26	19	13	8	7	6	6	5
-13.75°	49	39	31	24	17	11	8	7	6	5	5
-15°	45	35	29	22	15	9	7	7	6	5	5
-16.25°	41	33	26	19	13	8	7	6	6	5	5
-17.5°	36	30	23	17	11	8	7	6	5	5	5
-18.75°	33	27	20	14	9	7	7	6	5	5	5
-20°	30	24	18	12	8	7	6	6	5	5	5
-21.25°	26	20	15	9	7	7	6	5	5	5	5



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	23	17	12	8	7	6	6	5	5	5	5
-23.75°	19	14	8	7	7	6	5	5	5	5	5
-25°	16	10	8	7	6	6	5	5	5	5	4
-26.25°	12	8	7	7	6	5	5	5	5	5	4
-27.5°	8	7	7	6	6	5	5	5	5	4	4
-28.75°	8	7	6	6	5	5	5	5	5	4	4
-30°	7	7	6	5	5	5	5	5	4	4	4
-31.25°	7	6	5	5	5	5	5	5	4	4	4
-32.5°	6	6	5	5	5	5	5	4	4	4	3
-33.75°	6	5	5	5	5	5	4	4	4	4	3
-35°	5	5	5	5	5	4	4	4	4	3	3
-36.25°	5	5	5	5	4	4	4	4	3	3	3
-37.5°	5	5	5	4	4	4	4	3	3	3	3
-38.75°	5	5	4	4	4	4	3	3	3	3	3
-40°	5	4	4	4	4	3	3	3	3	3	3
-41.25°	4	4	4	4	3	3	3	3	3	3	3
-42.5°	4	4	4	3	3	3	3	3	3	3	3
-43.75°	4	4	3	3	3	3	3	3	3	3	2
-45°	4	3	3	3	3	3	3	3	3	2	2
-46.25°	3	3	3	3	3	3	3	3	2	2	2
-47.5°	3	3	3	3	3	3	3	2	2	2	2
-48.75°	3	3	3	3	3	3	2	2	2	2	2
-50°	3	3	3	3	2	2	2	2	2	2	2
-51.25°	3	3	3	2	2	2	2	2	2	2	2
-52.5°	3	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	1	1	0	0	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	1	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	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°	2	2	2	2	2	2	2	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	2	2
51.25°	2	2	2	2	2	2	2	2	2	2	2
50°	2	2	2	2	2	2	2	2	2	2	2
48.75°	2	2	2	2	2	2	2	2	2	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°	2	2	2	2	2	2	2	2	2	2	2
41.25°	3	2	2	2	2	2	2	2	2	2	2
40°	3	3	2	2	2	2	2	2	2	2	2
38.75°	3	3	2	2	2	2	2	2	2	2	2
37.5°	3	3	3	2	2	2	2	2	2	2	2
36.25°	3	3	3	3	2	2	2	2	2	2	2
35°	3	3	3	3	2	2	2	2	2	2	2



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	1	1	1	1	1	1	0	0	0	0	0
-80°	1	1	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	2	2	2	2	2	2	2	2	2	2	2
-23.75°	2	2	2	2	2	2	2	2	2	2	2
-25°	2	2	2	2	2	2	2	2	2	2	2
-26.25°	2	2	2	2	2	2	2	2	2	2	1
-27.5°	2	2	2	2	2	2	2	2	2	2	1
-28.75°	2	2	2	2	2	2	2	2	2	2	1
-30°	2	2	2	2	2	2	2	2	2	2	1
-31.25°	2	2	2	2	2	2	2	2	2	2	1
-32.5°	2	2	2	2	2	2	2	2	2	2	1
-33.75°	2	2	2	2	2	2	2	2	2	1	1
-35°	2	2	2	2	2	2	2	2	2	1	1
-36.25°	2	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	0
-67.5°	1	1	1	1	1	1	1	1	1	1	0
-68.75°	1	1	1	1	1	1	1	1	1	0	0
-70°	1	1	1	1	1	1	1	1	0	0	0
-71.25°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	1	1	1	1	1	0	0	0	0	0
-73.75°	1	1	1	1	0	0	0	0	0	0	0
-75°	1	1	1	0	0	0	0	0	0	0	0
-76.25°	1	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	1	1	1	1	1	1	1	0	0	0	0
-23.75°	1	1	1	1	1	1	1	0	0	0	0
-25°	1	1	1	1	1	1	1	0	0	0	0
-26.25°	1	1	1	1	1	1	1	0	0	0	0
-27.5°	1	1	1	1	1	1	1	0	0	0	0
-28.75°	1	1	1	1	1	1	1	0	0	0	0
-30°	1	1	1	1	1	1	0	0	0	0	0
-31.25°	1	1	1	1	1	1	0	0	0	0	0
-32.5°	1	1	1	1	1	1	0	0	0	0	0
-33.75°	1	1	1	1	1	1	0	0	0	0	0
-35°	1	1	1	1	1	1	0	0	0	0	0
-36.25°	1	1	1	1	1	1	0	0	0	0	0
-37.5°	1	1	1	1	1	1	0	0	0	0	0
-38.75°	1	1	1	1	1	1	0	0	0	0	0
-40°	1	1	1	1	1	1	0	0	0	0	0
-41.25°	1	1	1	1	1	1	0	0	0	0	0
-42.5°	1	1	1	1	1	0	0	0	0	0	0
-43.75°	1	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	1	1	0	0	0	0	0	0
-46.25°	1	1	1	1	1	0	0	0	0	0	0
-47.5°	1	1	1	1	1	0	0	0	0	0	0
-48.75°	1	1	1	1	1	0	0	0	0	0	0
-50°	1	1	1	1	0	0	0	0	0	0	0
-51.25°	1	1	1	1	0	0	0	0	0	0	0
-52.5°	1	1	1	1	0	0	0	0	0	0	0
-53.75°	1	1	1	1	0	0	0	0	0	0	0
-55°	1	1	1	0	0	0	0	0	0	0	0
-56.25°	1	1	1	0	0	0	0	0	0	0	0
-57.5°	1	1	1	0	0	0	0	0	0	0	0
-58.75°	1	1	0	0	0	0	0	0	0	0	0
-60°	1	1	0	0	0	0	0	0	0	0	0
-61.25°	1	1	0	0	0	0	0	0	0	0	0
-62.5°	1	0	0	0	0	0	0	0	0	0	0
-63.75°	1	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: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220685 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)