

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: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

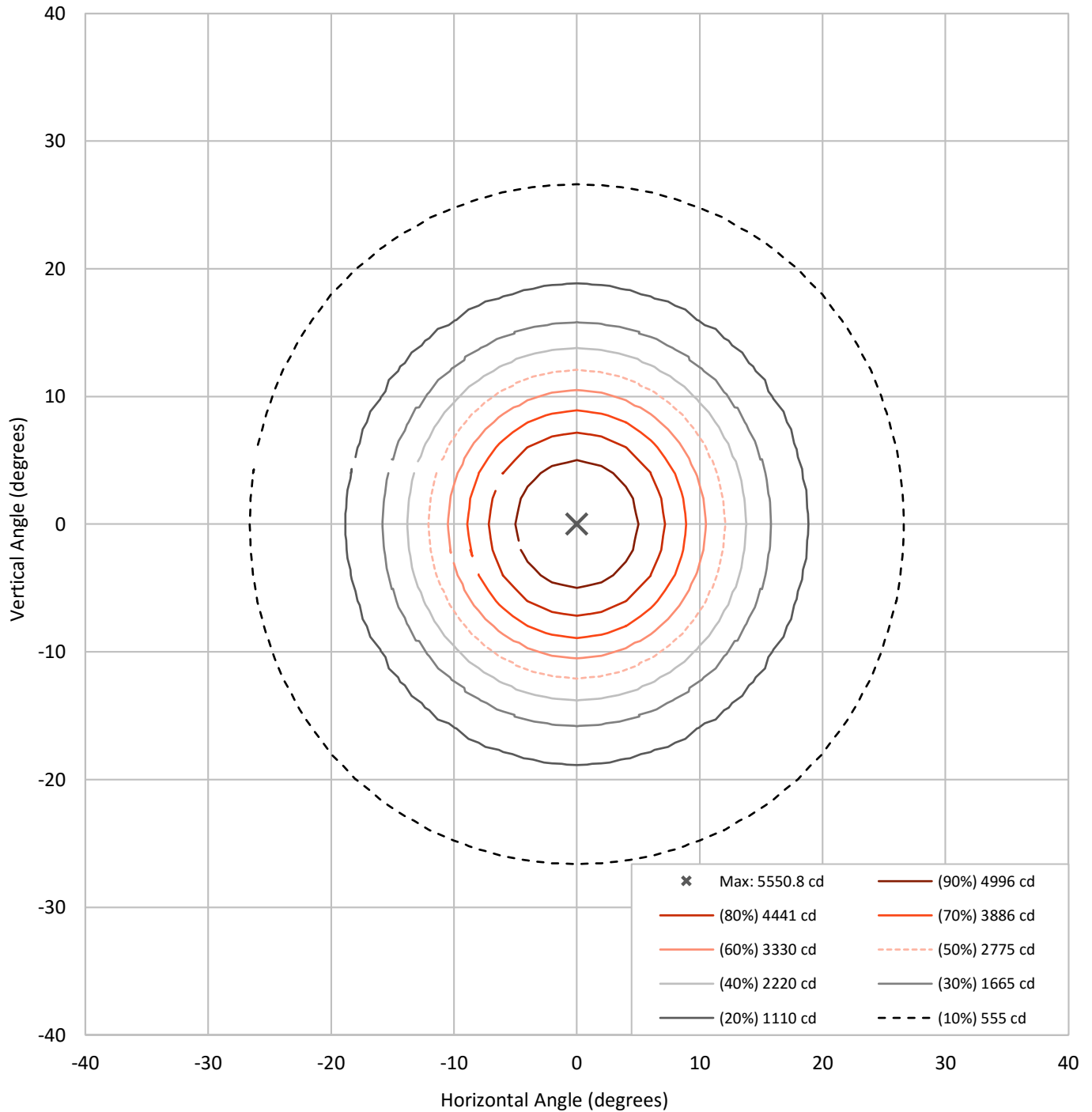
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1310.8 lumens	Max Intensity:	5550.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	65.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	24.2°H x 24.2°V	Field Angle (10%):	53.3°H x 53.3°V
Beam Lumens:	573 lumens	Field Lumens:	1170.9 lumens
Beam Efficiency:	43.7%	Field Efficiency:	89.3%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

Iso-Candela Plot





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

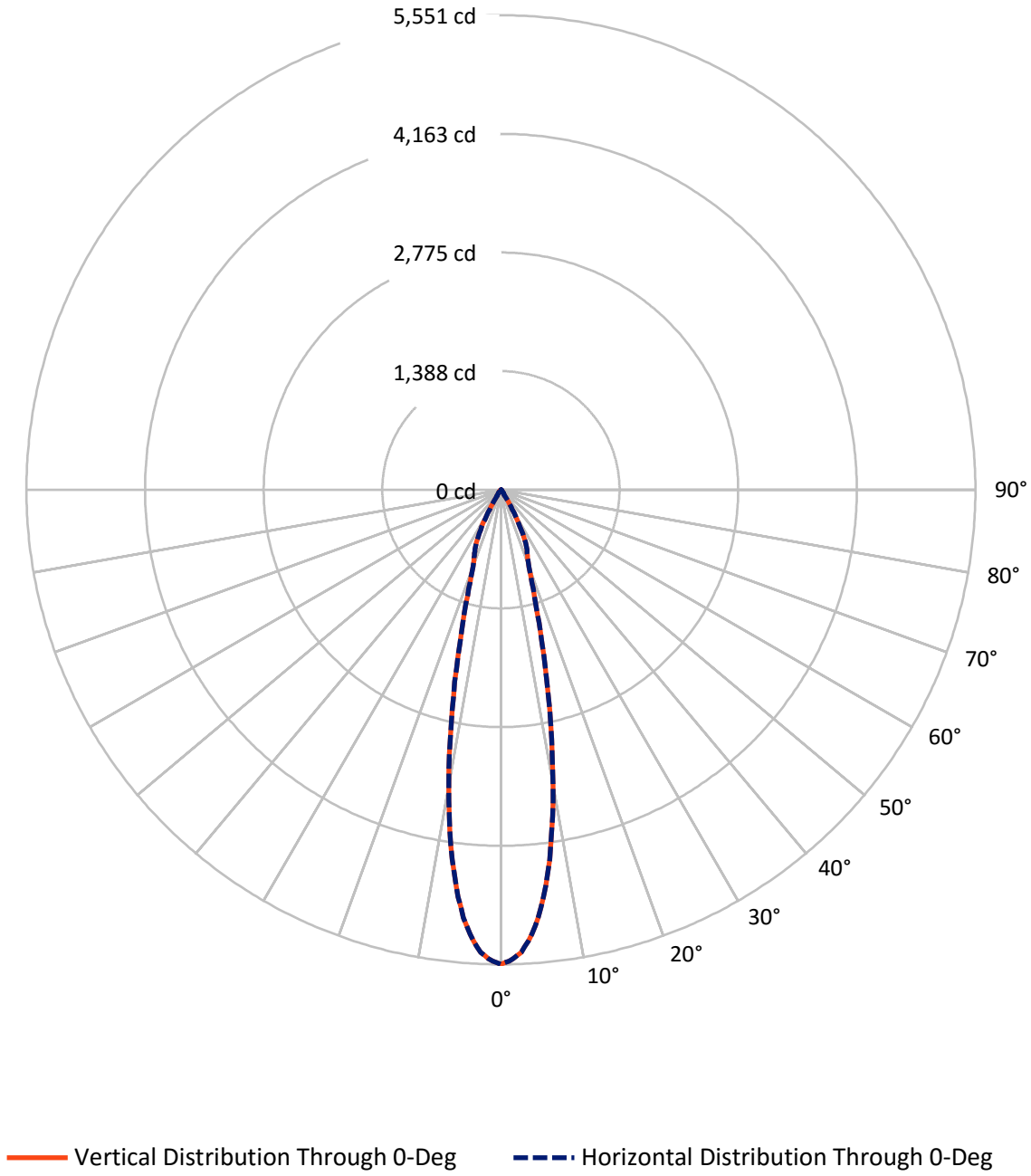
Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
60		0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1		0.0	
50	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	
40		0.0	0.1	0.1	0.2	0.5	1.1	2.2	2.2	1.1	0.5	0.2	0.1	0.1		0.0
30	0.0	0.0	0.1	0.2	0.4	2.3	10.7	18.3	18.3	10.7	2.3	0.4	0.2	0.1	0.0	0.0
20		0.0	0.1	0.2	1.0	10.1	27.7	52.7	52.7	27.7	10.1	1.0	0.2	0.1	0.0	
10	0.0	0.0	0.1	0.2	1.8	16.8	51.3	127.1	127.1	51.3	16.8	1.8	0.2	0.1	0.0	0.0
0		0.0	0.1	0.2	1.8	16.8	51.3	127.1	127.1	51.3	16.8	1.8	0.2	0.1	0.0	
-10	0.0	0.0	0.1	0.2	1.0	10.1	27.7	52.7	52.7	27.7	10.1	1.0	0.2	0.1	0.0	0.0
-20		0.0	0.1	0.2	0.4	2.3	10.7	18.3	18.3	10.7	2.3	0.4	0.2	0.1	0.0	
-30	0.0	0.0	0.1	0.1	0.2	0.5	1.1	2.2	2.2	1.1	0.5	0.2	0.1	0.1	0.0	0.0
-40		0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	
-60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0		0.0
-70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
-80		0.0	0.0	0.0	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: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

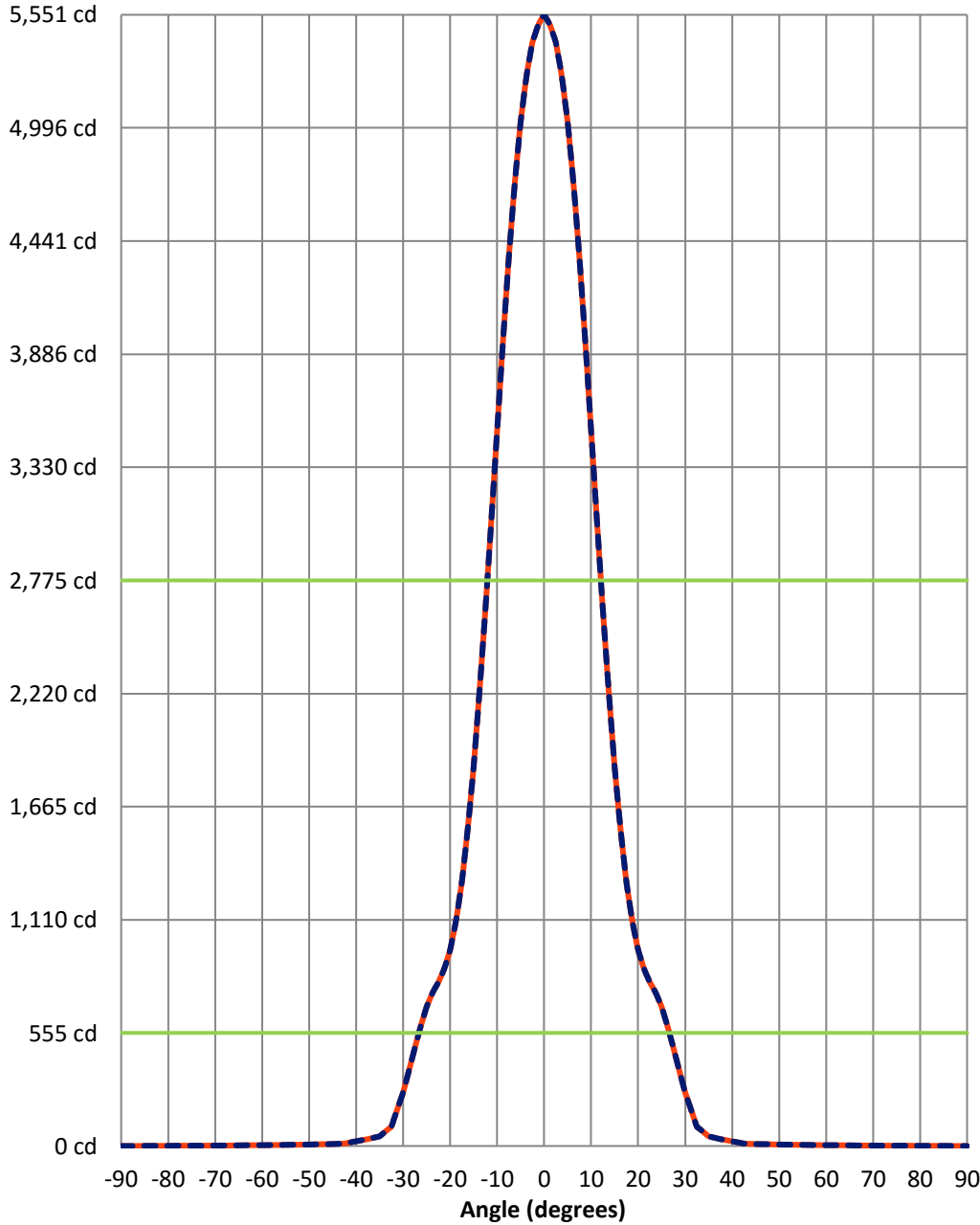
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 24.2°
 Lumens: 573
 Efficiency: 43.7%

Field:
 H Angle: 53.3°
 V Angle: 53.3°
 Lumens: 1170.9
 Efficiency: 89.3%

Spill:
 Lumens: 139.8
 Efficiency: 10.7%

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



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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

FIELD
BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	1	1	1	1	1	1	1
32.5°	0	0	0	0	1	1	1	1	1	1	1
31.25°	0	0	0	0	1	1	1	1	1	1	1
30°	0	0	0	0	1	1	1	1	1	1	1
28.75°	0	0	0	0	1	1	1	1	1	1	1
27.5°	0	0	0	0	1	1	1	1	1	1	1
26.25°	0	0	0	0	1	1	1	1	1	1	1
25°	0	0	0	0	1	1	1	1	1	1	1
23.75°	0	0	0	0	1	1	1	1	1	1	1
22.5°	0	0	0	0	1	1	1	1	1	1	1
21.25°	0	0	0	0	1	1	1	1	1	1	1
20°	0	0	0	0	1	1	1	1	1	1	1
18.75°	0	0	0	0	1	1	1	1	1	1	1
17.5°	0	0	0	0	1	1	1	1	1	1	1
16.25°	0	0	0	0	1	1	1	1	1	1	1
15°	0	0	0	0	1	1	1	1	1	1	1
13.75°	0	0	0	0	1	1	1	1	1	1	1
12.5°	0	0	0	0	1	1	1	1	1	1	2
11.25°	0	0	0	0	1	1	1	1	1	1	2
10°	0	0	0	0	1	1	1	1	1	1	2
8.75°	0	0	0	0	1	1	1	1	1	1	2
7.5°	0	0	0	0	1	1	1	1	1	1	2
6.25°	0	0	0	0	1	1	1	1	1	1	2
5°	0	0	0	0	1	1	1	1	1	1	2
3.75°	0	0	0	0	1	1	1	1	1	1	2
2.5°	0	0	0	0	1	1	1	1	1	1	2
1.25°	0	0	0	0	1	1	1	1	1	1	2
0°	0	0	0	0	1	1	1	1	1	1	2
-1.25°	0	0	0	0	1	1	1	1	1	1	2
-2.5°	0	0	0	0	1	1	1	1	1	1	2
-3.75°	0	0	0	0	1	1	1	1	1	1	2
-5°	0	0	0	0	1	1	1	1	1	1	2
-6.25°	0	0	0	0	1	1	1	1	1	1	2
-7.5°	0	0	0	0	1	1	1	1	1	1	2
-8.75°	0	0	0	0	1	1	1	1	1	1	2
-10°	0	0	0	0	1	1	1	1	1	1	2
-11.25°	0	0	0	0	1	1	1	1	1	1	2
-12.5°	0	0	0	0	1	1	1	1	1	1	2
-13.75°	0	0	0	0	1	1	1	1	1	1	1
-15°	0	0	0	0	1	1	1	1	1	1	1
-16.25°	0	0	0	0	1	1	1	1	1	1	1
-17.5°	0	0	0	0	1	1	1	1	1	1	1
-18.75°	0	0	0	0	1	1	1	1	1	1	1
-20°	0	0	0	0	1	1	1	1	1	1	1
-21.25°	0	0	0	0	1	1	1	1	1	1	1



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	1	1	1	1	1	1	1
-23.75°	0	0	0	0	1	1	1	1	1	1	1
-25°	0	0	0	0	1	1	1	1	1	1	1
-26.25°	0	0	0	0	1	1	1	1	1	1	1
-27.5°	0	0	0	0	1	1	1	1	1	1	1
-28.75°	0	0	0	0	1	1	1	1	1	1	1
-30°	0	0	0	0	1	1	1	1	1	1	1
-31.25°	0	0	0	0	1	1	1	1	1	1	1
-32.5°	0	0	0	0	1	1	1	1	1	1	1
-33.75°	0	0	0	0	1	1	1	1	1	1	1
-35°	0	0	0	0	1	1	1	1	1	1	1
-36.25°	0	0	0	0	0	1	1	1	1	1	1
-37.5°	0	0	0	0	0	1	1	1	1	1	1
-38.75°	0	0	0	0	0	1	1	1	1	1	1
-40°	0	0	0	0	0	1	1	1	1	1	1
-41.25°	0	0	0	0	0	1	1	1	1	1	1
-42.5°	0	0	0	0	0	1	1	1	1	1	1
-43.75°	0	0	0	0	0	1	1	1	1	1	1
-45°	0	0	0	0	0	1	1	1	1	1	1
-46.25°	0	0	0	0	0	1	1	1	1	1	1
-47.5°	0	0	0	0	0	1	1	1	1	1	1
-48.75°	0	0	0	0	0	1	1	1	1	1	1
-50°	0	0	0	0	0	0	1	1	1	1	1
-51.25°	0	0	0	0	0	0	1	1	1	1	1
-52.5°	0	0	0	0	0	0	1	1	1	1	1
-53.75°	0	0	0	0	0	0	1	1	1	1	1
-55°	0	0	0	0	0	0	1	1	1	1	1
-56.25°	0	0	0	0	0	0	1	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-58.75°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	1	1	1	1
-61.25°	0	0	0	0	0	0	0	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-63.75°	0	0	0	0	0	0	0	0	1	1	1
-65°	0	0	0	0	0	0	0	0	1	1	1
-66.25°	0	0	0	0	0	0	0	0	0	1	1
-67.5°	0	0	0	0	0	0	0	0	0	1	1
-68.75°	0	0	0	0	0	0	0	0	0	0	1
-70°	0	0	0	0	0	0	0	0	0	0	1
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	1	2	2	2	2	2	2	2	2	2	2
32.5°	1	2	2	2	2	2	2	2	2	2	2
31.25°	1	2	2	2	2	2	2	2	2	2	2
30°	1	2	2	2	2	2	2	2	2	2	2
28.75°	1	2	2	2	2	2	2	2	2	2	3
27.5°	1	2	2	2	2	2	2	2	2	2	3
26.25°	2	2	2	2	2	2	2	2	2	2	3
25°	2	2	2	2	2	2	2	2	2	2	3
23.75°	2	2	2	2	2	2	2	2	2	2	3
22.5°	2	2	2	2	2	2	2	2	2	3	3
21.25°	2	2	2	2	2	2	2	2	2	3	3
20°	2	2	2	2	2	2	2	2	2	3	3
18.75°	2	2	2	2	2	2	2	2	2	3	3
17.5°	2	2	2	2	2	2	2	2	2	3	3
16.25°	2	2	2	2	2	2	2	2	2	3	3
15°	2	2	2	2	2	2	2	2	3	3	3
13.75°	2	2	2	2	2	2	2	2	3	3	3
12.5°	2	2	2	2	2	2	2	2	3	3	3
11.25°	2	2	2	2	2	2	2	2	3	3	3
10°	2	2	2	2	2	2	2	2	3	3	3
8.75°	2	2	2	2	2	2	2	2	3	3	3
7.5°	2	2	2	2	2	2	2	2	3	3	4
6.25°	2	2	2	2	2	2	2	2	3	3	4
5°	2	2	2	2	2	2	2	2	3	3	4
3.75°	2	2	2	2	2	2	2	2	3	3	4
2.5°	2	2	2	2	2	2	2	2	3	3	4
1.25°	2	2	2	2	2	2	2	2	3	3	4
0°	2	2	2	2	2	2	2	2	3	3	4
-1.25°	2	2	2	2	2	2	2	2	3	3	4
-2.5°	2	2	2	2	2	2	2	2	3	3	4
-3.75°	2	2	2	2	2	2	2	2	3	3	4
-5°	2	2	2	2	2	2	2	2	3	3	4
-6.25°	2	2	2	2	2	2	2	2	3	3	4
-7.5°	2	2	2	2	2	2	2	2	3	3	4
-8.75°	2	2	2	2	2	2	2	2	3	3	3
-10°	2	2	2	2	2	2	2	2	3	3	3
-11.25°	2	2	2	2	2	2	2	2	3	3	3
-12.5°	2	2	2	2	2	2	2	2	3	3	3
-13.75°	2	2	2	2	2	2	2	2	3	3	3
-15°	2	2	2	2	2	2	2	2	3	3	3
-16.25°	2	2	2	2	2	2	2	2	2	3	3
-17.5°	2	2	2	2	2	2	2	2	2	3	3
-18.75°	2	2	2	2	2	2	2	2	2	3	3
-20°	2	2	2	2	2	2	2	2	2	3	3
-21.25°	2	2	2	2	2	2	2	2	2	3	3



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	2	2	2	2	2	2	2	2	2	3	3
-23.75°	2	2	2	2	2	2	2	2	2	2	3
-25°	2	2	2	2	2	2	2	2	2	2	3
-26.25°	2	2	2	2	2	2	2	2	2	2	3
-27.5°	1	2	2	2	2	2	2	2	2	2	3
-28.75°	1	2	2	2	2	2	2	2	2	2	3
-30°	1	2	2	2	2	2	2	2	2	2	2
-31.25°	1	2	2	2	2	2	2	2	2	2	2
-32.5°	1	2	2	2	2	2	2	2	2	2	2
-33.75°	1	2	2	2	2	2	2	2	2	2	2
-35°	1	2	2	2	2	2	2	2	2	2	2
-36.25°	1	1	2	2	2	2	2	2	2	2	2
-37.5°	1	1	2	2	2	2	2	2	2	2	2
-38.75°	1	1	2	2	2	2	2	2	2	2	2
-40°	1	1	2	2	2	2	2	2	2	2	2
-41.25°	1	1	1	2	2	2	2	2	2	2	2
-42.5°	1	1	1	2	2	2	2	2	2	2	2
-43.75°	1	1	1	2	2	2	2	2	2	2	2
-45°	1	1	1	2	2	2	2	2	2	2	2
-46.25°	1	1	1	1	2	2	2	2	2	2	2
-47.5°	1	1	1	1	2	2	2	2	2	2	2
-48.75°	1	1	1	1	2	2	2	2	2	2	2
-50°	1	1	1	1	1	2	2	2	2	2	2
-51.25°	1	1	1	1	1	2	2	2	2	2	2
-52.5°	1	1	1	1	1	1	2	2	2	2	2
-53.75°	1	1	1	1	1	1	2	2	2	2	2
-55°	1	1	1	1	1	1	1	2	2	2	2
-56.25°	1	1	1	1	1	1	1	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	2	2	2
-58.75°	1	1	1	1	1	1	1	1	1	2	2
-60°	1	1	1	1	1	1	1	1	1	2	2
-61.25°	1	1	1	1	1	1	1	1	1	1	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	1	1	1	1	1	1	1	1	1	1
-75°	0	0	1	1	1	1	1	1	1	1	1
-76.25°	0	0	0	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	1	1	1	1	1	1



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0	0	0	0	0	0	0	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	1	1
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	2	2	2	2
72.5°	1	1	1	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	3
60°	2	2	2	2	2	2	2	2	3	3	3
58.75°	2	2	2	2	2	2	3	3	3	3	3
57.5°	2	2	2	2	3	3	3	3	3	3	3
56.25°	2	2	2	3	3	3	3	3	3	4	4
55°	2	2	3	3	3	3	3	4	4	4	4
53.75°	3	3	3	3	3	3	4	4	4	4	4
52.5°	3	3	3	3	4	4	4	4	4	4	4
51.25°	3	3	3	4	4	4	4	4	4	4	4
50°	3	3	4	4	4	4	4	4	4	4	4
48.75°	3	4	4	4	4	4	4	4	4	4	5
47.5°	4	4	4	4	4	4	4	4	5	5	5
46.25°	4	4	4	4	4	4	4	5	5	5	5
45°	4	4	4	4	4	4	5	5	5	5	6
43.75°	4	4	4	4	4	5	5	5	5	6	6
42.5°	4	4	4	4	5	5	5	5	6	6	6
41.25°	4	4	4	5	5	5	5	6	6	6	6
40°	4	4	5	5	5	5	6	6	6	6	7
38.75°	4	5	5	5	5	6	6	6	6	7	7
37.5°	4	5	5	5	6	6	6	6	7	7	7
36.25°	5	5	5	6	6	6	6	7	7	7	8
35°	5	5	6	6	6	6	7	7	7	8	8



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	5	5	6	6	6	7	7	7	8	8	9
32.5°	5	6	6	6	7	7	7	7	8	9	9
31.25°	5	6	6	6	7	7	7	8	8	9	9
30°	6	6	6	7	7	7	8	8	9	9	9
28.75°	6	6	6	7	7	7	8	9	9	9	10
27.5°	6	6	7	7	7	8	8	9	9	10	10
26.25°	6	6	7	7	8	8	9	9	10	10	11
25°	6	7	7	7	8	9	9	9	10	11	12
23.75°	6	7	7	8	8	9	9	10	10	11	12
22.5°	7	7	7	8	8	9	9	10	11	12	15
21.25°	7	7	7	8	9	9	10	10	11	13	18
20°	7	7	8	8	9	9	10	11	12	15	20
18.75°	7	7	8	9	9	9	10	11	13	18	22
17.5°	7	7	8	9	9	10	10	12	15	20	25
16.25°	7	8	8	9	9	10	11	12	17	22	26
15°	7	8	9	9	9	10	11	13	18	24	28
13.75°	7	8	9	9	10	10	12	15	20	25	30
12.5°	7	8	9	9	10	11	12	16	22	27	32
11.25°	7	8	9	9	10	11	12	18	23	28	33
10°	8	8	9	9	10	11	13	19	24	29	34
8.75°	8	9	9	9	10	11	14	20	25	30	36
7.5°	8	9	9	10	10	12	15	21	26	31	37
6.25°	8	9	9	10	11	12	16	22	27	32	38
5°	8	9	9	10	11	12	17	22	28	33	39
3.75°	8	9	9	10	11	12	17	23	28	33	40
2.5°	8	9	9	10	11	12	17	23	28	34	40
1.25°	8	9	9	10	11	12	18	23	29	34	41
0°	8	9	9	10	11	12	18	23	29	34	41
-1.25°	8	9	9	10	11	12	18	23	29	34	41
-2.5°	8	9	9	10	11	12	17	23	28	34	40
-3.75°	8	9	9	10	11	12	17	23	28	33	40
-5°	8	9	9	10	11	12	17	22	28	33	39
-6.25°	8	9	9	10	11	12	16	22	27	32	38
-7.5°	8	9	9	10	10	12	15	21	26	31	37
-8.75°	8	9	9	9	10	11	14	20	25	30	36
-10°	8	8	9	9	10	11	13	19	24	29	34
-11.25°	7	8	9	9	10	11	12	18	23	28	33
-12.5°	7	8	9	9	10	11	12	16	22	27	32
-13.75°	7	8	9	9	10	10	12	15	20	25	30
-15°	7	8	9	9	9	10	11	13	18	24	28
-16.25°	7	8	8	9	9	10	11	12	17	22	26
-17.5°	7	7	8	9	9	10	10	12	15	20	25
-18.75°	7	7	8	9	9	9	10	11	13	18	22
-20°	7	7	8	8	9	9	10	11	12	15	20
-21.25°	7	7	7	8	9	9	10	10	11	13	18



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	7	7	7	8	8	9	9	10	11	12	15
-23.75°	6	7	7	8	8	9	9	10	10	11	12
-25°	6	7	7	7	8	9	9	9	10	11	12
-26.25°	6	6	7	7	8	8	9	9	10	10	11
-27.5°	6	6	7	7	7	8	8	9	9	10	10
-28.75°	6	6	6	7	7	7	8	9	9	9	10
-30°	6	6	6	7	7	7	8	8	9	9	9
-31.25°	5	6	6	6	7	7	7	8	8	9	9
-32.5°	5	6	6	6	7	7	7	7	8	9	9
-33.75°	5	5	6	6	6	7	7	7	8	8	9
-35°	5	5	6	6	6	6	7	7	7	8	8
-36.25°	5	5	5	6	6	6	6	7	7	7	8
-37.5°	4	5	5	5	6	6	6	6	7	7	7
-38.75°	4	5	5	5	5	6	6	6	6	7	7
-40°	4	4	5	5	5	5	6	6	6	6	7
-41.25°	4	4	4	5	5	5	5	6	6	6	6
-42.5°	4	4	4	4	5	5	5	5	6	6	6
-43.75°	4	4	4	4	4	5	5	5	5	6	6
-45°	4	4	4	4	4	4	5	5	5	5	6
-46.25°	4	4	4	4	4	4	4	5	5	5	5
-47.5°	4	4	4	4	4	4	4	4	5	5	5
-48.75°	3	4	4	4	4	4	4	4	4	4	5
-50°	3	3	4	4	4	4	4	4	4	4	4
-51.25°	3	3	3	4	4	4	4	4	4	4	4
-52.5°	3	3	3	3	4	4	4	4	4	4	4
-53.75°	3	3	3	3	3	3	4	4	4	4	4
-55°	2	2	3	3	3	3	3	4	4	4	4
-56.25°	2	2	2	3	3	3	3	3	3	4	4
-57.5°	2	2	2	2	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	3	3	3
-61.25°	2	2	2	2	2	2	2	2	2	2	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	1	2	2	2	2	2	2	2	2
-73.75°	1	1	1	1	1	1	1	2	2	2	2
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	3
63.75°	2	2	2	2	2	3	3	3	3	3	3
62.5°	2	2	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	4	4
60°	3	3	3	3	3	4	4	4	4	4	4
58.75°	3	3	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	5	5
53.75°	4	4	4	4	4	4	5	5	5	5	5
52.5°	4	4	4	4	5	5	5	5	5	5	5
51.25°	4	4	5	5	5	5	5	5	6	6	6
50°	5	5	5	5	5	5	6	6	6	6	6
48.75°	5	5	5	5	6	6	6	6	6	6	7
47.5°	5	5	6	6	6	6	6	6	7	7	7
46.25°	6	6	6	6	6	6	7	7	7	7	7
45°	6	6	6	6	7	7	7	7	7	8	8
43.75°	6	6	7	7	7	7	7	8	8	8	8
42.5°	6	7	7	7	7	7	8	8	9	9	9
41.25°	7	7	7	7	8	8	8	9	9	9	9
40°	7	7	7	8	8	9	9	9	9	10	10
38.75°	7	8	8	8	9	9	9	10	10	10	11
37.5°	8	8	9	9	9	9	10	10	11	11	12
36.25°	8	9	9	9	9	10	10	11	12	12	15
35°	9	9	9	10	10	11	11	12	14	17	20



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	9	9	10	10	11	11	12	15	18	21	24
32.5°	9	10	10	11	12	13	16	20	23	26	28
31.25°	10	10	11	12	13	17	20	24	27	30	33
30°	10	11	12	13	17	21	24	27	31	34	37
28.75°	11	11	13	17	21	24	28	31	35	39	43
27.5°	11	12	16	20	24	28	31	35	39	44	48
26.25°	12	15	20	24	27	31	35	40	44	51	66
25°	14	18	23	27	31	35	39	44	52	68	83
23.75°	17	21	26	30	34	39	44	51	68	84	112
22.5°	20	24	28	33	37	43	48	66	83	112	169
21.25°	22	27	31	36	41	47	62	80	105	166	226
20°	25	29	34	39	45	57	76	94	155	218	285
18.75°	27	32	37	42	49	69	88	138	204	270	352
17.5°	29	34	40	46	61	81	114	183	251	332	418
16.25°	31	36	43	51	71	92	155	225	304	392	482
15°	33	39	45	60	82	120	193	266	358	450	542
13.75°	35	41	48	69	91	155	230	314	409	505	595
12.5°	37	44	56	78	111	187	263	360	458	554	640
11.25°	39	46	63	85	139	217	302	402	503	598	681
10°	41	48	70	92	164	243	338	441	543	635	712
8.75°	43	53	76	107	187	268	371	476	577	667	739
7.5°	44	58	81	126	207	295	400	507	607	692	756
6.25°	45	62	85	142	224	318	424	533	630	712	771
5°	46	65	89	155	238	337	445	553	649	728	782
3.75°	47	68	92	166	249	352	461	568	664	740	792
2.5°	47	70	94	173	257	362	473	580	674	747	798
1.25°	48	71	95	178	262	369	480	587	681	751	803
0°	48	72	95	179	264	371	482	589	683	752	804
-1.25°	48	71	95	178	262	369	480	587	681	751	803
-2.5°	47	70	94	173	257	362	473	580	674	747	798
-3.75°	47	68	92	166	249	352	461	568	664	740	792
-5°	46	65	89	155	238	337	445	553	649	728	782
-6.25°	45	62	85	142	224	318	424	533	630	712	771
-7.5°	44	58	81	126	207	295	400	507	607	692	756
-8.75°	43	53	76	107	187	268	371	476	577	667	739
-10°	41	48	70	92	164	243	338	441	543	635	712
-11.25°	39	46	63	85	139	217	302	402	503	598	681
-12.5°	37	44	56	78	111	187	263	360	458	554	640
-13.75°	35	41	48	69	91	155	230	314	409	505	595
-15°	33	39	45	60	82	120	193	266	358	450	542
-16.25°	31	36	43	51	71	92	155	225	304	392	482
-17.5°	29	34	40	46	61	81	114	183	251	332	418
-18.75°	27	32	37	42	49	69	88	138	204	270	352
-20°	25	29	34	39	45	57	76	94	155	218	285
-21.25°	22	27	31	36	41	47	62	80	105	166	226



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	20	24	28	33	37	43	48	66	83	112	169
-23.75°	17	21	26	30	34	39	44	51	68	84	112
-25°	14	18	23	27	31	35	39	44	52	68	83
-26.25°	12	15	20	24	27	31	35	40	44	51	66
-27.5°	11	12	16	20	24	28	31	35	39	44	48
-28.75°	11	11	13	17	21	24	28	31	35	39	43
-30°	10	11	12	13	17	21	24	27	31	34	37
-31.25°	10	10	11	12	13	17	20	24	27	30	33
-32.5°	9	10	10	11	12	13	16	20	23	26	28
-33.75°	9	9	10	10	11	11	12	15	18	21	24
-35°	9	9	9	10	10	11	11	12	14	17	20
-36.25°	8	9	9	9	9	10	10	11	12	12	15
-37.5°	8	8	9	9	9	9	10	10	11	11	12
-38.75°	7	8	8	8	9	9	9	10	10	10	11
-40°	7	7	7	8	8	9	9	9	9	10	10
-41.25°	7	7	7	7	8	8	8	9	9	9	9
-42.5°	6	7	7	7	7	7	8	8	9	9	9
-43.75°	6	6	7	7	7	7	7	8	8	8	8
-45°	6	6	6	6	7	7	7	7	7	8	8
-46.25°	6	6	6	6	6	6	7	7	7	7	7
-47.5°	5	5	6	6	6	6	6	6	7	7	7
-48.75°	5	5	5	5	6	6	6	6	6	6	7
-50°	5	5	5	5	5	5	6	6	6	6	6
-51.25°	4	4	5	5	5	5	5	5	6	6	6
-52.5°	4	4	4	4	5	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	4	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	3	3	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	3	3	3	4	4
-62.5°	2	2	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	3	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	3
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	1	1	1	2	2	2	2
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	3	3	3	3	3	3
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	4	4	4	4	4	4	4	4
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	5	5	5	5
56.25°	4	4	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	5	5	5	6
53.75°	5	5	5	5	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	7	7	7	7
50°	6	6	6	7	7	7	7	7	7	7	7
48.75°	7	7	7	7	7	7	7	7	7	8	8
47.5°	7	7	7	7	8	8	8	8	8	8	9
46.25°	7	8	8	8	8	9	9	9	9	9	9
45°	8	8	9	9	9	9	9	9	9	9	9
43.75°	9	9	9	9	9	9	10	10	10	10	10
42.5°	9	9	9	10	10	10	10	11	11	11	11
41.25°	10	10	10	10	11	11	12	12	12	13	14
40°	10	11	11	12	12	13	15	16	18	19	20
38.75°	11	12	13	15	17	18	20	22	23	24	25
37.5°	13	15	18	20	22	24	25	27	28	29	30
36.25°	18	20	22	25	26	28	30	32	33	34	36
35°	22	25	27	29	31	33	35	37	39	41	43



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	27	29	32	34	36	39	41	44	46	48	53
32.5°	31	34	37	40	43	45	48	56	63	70	76
31.25°	36	39	42	46	51	60	69	78	85	92	107
30°	41	45	49	61	71	82	91	111	139	164	187
28.75°	47	57	69	81	92	120	155	187	217	243	268
27.5°	62	76	88	114	155	193	230	263	302	338	371
26.25°	80	94	138	183	225	266	314	360	402	441	476
25°	105	155	204	251	304	358	409	458	503	543	577
23.75°	166	218	270	332	392	450	505	554	598	635	667
22.5°	226	285	352	418	482	542	595	640	681	712	739
21.25°	289	362	433	503	567	624	673	712	745	767	787
20°	362	438	514	582	642	694	736	765	790	813	839
18.75°	433	514	587	651	705	749	779	808	838	873	913
17.5°	503	582	651	709	754	788	819	860	906	956	1015
16.25°	567	642	705	754	791	826	873	931	997	1067	1152
15°	624	694	749	788	826	877	943	1022	1114	1215	1329
13.75°	673	736	779	819	873	943	1031	1138	1262	1397	1553
12.5°	712	765	808	860	931	1022	1138	1278	1440	1621	1806
11.25°	745	790	838	906	997	1114	1262	1440	1646	1859	2088
10°	767	813	873	956	1067	1215	1397	1621	1859	2120	2382
8.75°	787	839	913	1015	1152	1329	1553	1806	2088	2382	2681
7.5°	805	865	951	1069	1234	1445	1703	1992	2308	2638	2974
6.25°	820	889	991	1131	1318	1560	1841	2166	2513	2878	3245
5°	836	915	1028	1183	1389	1662	1973	2323	2699	3092	3486
3.75°	850	936	1056	1229	1460	1748	2081	2449	2852	3269	3683
2.5°	860	951	1080	1266	1512	1810	2160	2549	2968	3401	3832
1.25°	866	960	1097	1289	1543	1848	2211	2610	3039	3483	3922
0°	868	963	1103	1297	1554	1861	2229	2631	3064	3511	3952
-1.25°	866	960	1097	1289	1543	1848	2211	2610	3039	3483	3922
-2.5°	860	951	1080	1266	1512	1810	2160	2549	2968	3401	3832
-3.75°	850	936	1056	1229	1460	1748	2081	2449	2852	3269	3683
-5°	836	915	1028	1183	1389	1662	1973	2323	2699	3092	3486
-6.25°	820	889	991	1131	1318	1560	1841	2166	2513	2878	3245
-7.5°	805	865	951	1069	1234	1445	1703	1992	2308	2638	2974
-8.75°	787	839	913	1015	1152	1329	1553	1806	2088	2382	2681
-10°	767	813	873	956	1067	1215	1397	1621	1859	2120	2382
-11.25°	745	790	838	906	997	1114	1262	1440	1646	1859	2088
-12.5°	712	765	808	860	931	1022	1138	1278	1440	1621	1806
-13.75°	673	736	779	819	873	943	1031	1138	1262	1397	1553
-15°	624	694	749	788	826	877	943	1022	1114	1215	1329
-16.25°	567	642	705	754	791	826	873	931	997	1067	1152
-17.5°	503	582	651	709	754	788	819	860	906	956	1015
-18.75°	433	514	587	651	705	749	779	808	838	873	913
-20°	362	438	514	582	642	694	736	765	790	813	839
-21.25°	289	362	433	503	567	624	673	712	745	767	787



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	226	285	352	418	482	542	595	640	681	712	739
-23.75°	166	218	270	332	392	450	505	554	598	635	667
-25°	105	155	204	251	304	358	409	458	503	543	577
-26.25°	80	94	138	183	225	266	314	360	402	441	476
-27.5°	62	76	88	114	155	193	230	263	302	338	371
-28.75°	47	57	69	81	92	120	155	187	217	243	268
-30°	41	45	49	61	71	82	91	111	139	164	187
-31.25°	36	39	42	46	51	60	69	78	85	92	107
-32.5°	31	34	37	40	43	45	48	56	63	70	76
-33.75°	27	29	32	34	36	39	41	44	46	48	53
-35°	22	25	27	29	31	33	35	37	39	41	43
-36.25°	18	20	22	25	26	28	30	32	33	34	36
-37.5°	13	15	18	20	22	24	25	27	28	29	30
-38.75°	11	12	13	15	17	18	20	22	23	24	25
-40°	10	11	11	12	12	13	15	16	18	19	20
-41.25°	10	10	10	10	11	11	12	12	12	13	14
-42.5°	9	9	9	10	10	10	10	11	11	11	11
-43.75°	9	9	9	9	9	9	10	10	10	10	10
-45°	8	8	9	9	9	9	9	9	9	9	9
-46.25°	7	8	8	8	8	9	9	9	9	9	9
-47.5°	7	7	7	7	8	8	8	8	8	8	9
-48.75°	7	7	7	7	7	7	7	7	7	8	8
-50°	6	6	6	7	7	7	7	7	7	7	7
-51.25°	6	6	6	6	6	6	6	7	7	7	7
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	6	6	6	6	6	6	6
-55°	5	5	5	5	5	5	5	5	5	5	6
-56.25°	4	4	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	4	4	4	4	4	4	4	4
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	2	2	2	2	2	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	1	1	1	1	1	1	1	2	2	2	2



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	3	3	3	3	3	3	3	3	3
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	4	4	4	4	4	4	4	4	4	4	4
62.5°	4	4	4	4	4	4	4	4	4	4	4
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	7	6	6	6	6
51.25°	7	7	7	7	7	7	7	7	7	7	7
50°	7	7	7	7	7	7	7	7	7	7	7
48.75°	8	8	8	8	8	8	8	8	8	8	8
47.5°	9	9	9	9	9	9	9	9	9	9	9
46.25°	9	9	9	9	9	9	9	9	9	9	9
45°	10	10	10	10	10	10	10	10	10	10	10
43.75°	10	11	11	11	11	11	11	11	11	11	11
42.5°	12	12	12	12	12	12	12	12	12	12	12
41.25°	15	16	17	17	17	18	18	18	17	17	17
40°	21	22	22	23	23	23	23	23	23	23	22
38.75°	26	27	28	28	28	29	29	29	28	28	28
37.5°	31	32	33	33	34	34	34	34	34	33	33
36.25°	37	38	39	40	40	41	41	41	40	40	39
35°	44	45	46	47	47	48	48	48	47	47	46



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	58	62	65	68	70	71	72	71	70	68	65
32.5°	81	85	89	92	94	95	95	95	94	92	89
31.25°	126	142	155	166	173	178	179	178	173	166	155
30°	207	224	238	249	257	262	264	262	257	249	238
28.75°	295	318	337	352	362	369	371	369	362	352	337
27.5°	400	424	445	461	473	480	482	480	473	461	445
26.25°	507	533	553	568	580	587	589	587	580	568	553
25°	607	630	649	664	674	681	683	681	674	664	649
23.75°	692	712	728	740	747	751	752	751	747	740	728
22.5°	756	771	782	792	798	803	804	803	798	792	782
21.25°	805	820	836	850	860	866	868	866	860	850	836
20°	865	889	915	936	951	960	963	960	951	936	915
18.75°	951	991	1028	1056	1080	1097	1103	1097	1080	1056	1028
17.5°	1069	1131	1183	1229	1266	1289	1297	1289	1266	1229	1183
16.25°	1234	1318	1389	1460	1512	1543	1554	1543	1512	1460	1389
15°	1445	1560	1662	1748	1810	1848	1861	1848	1810	1748	1662
13.75°	1703	1841	1973	2081	2160	2211	2229	2211	2160	2081	1973
12.5°	1992	2166	2323	2449	2549	2610	2631	2610	2549	2449	2323
11.25°	2308	2513	2699	2852	2968	3039	3064	3039	2968	2852	2699
10°	2638	2878	3092	3269	3401	3483	3511	3483	3401	3269	3092
8.75°	2974	3245	3486	3683	3832	3922	3952	3922	3832	3683	3486
7.5°	3298	3599	3864	4078	4238	4332	4364	4332	4238	4078	3864
6.25°	3599	3924	4209	4431	4594	4692	4726	4692	4594	4431	4209
5°	3864	4209	4499	4726	4889	4989	5025	4989	4889	4726	4499
3.75°	4078	4431	4726	4955	5119	5223	5254	5223	5119	4955	4726
2.5°	4238	4594	4889	5119	5287	5387	5414	5387	5287	5119	4889
1.25°	4332	4692	4989	5223	5387	5473	5502	5473	5387	5223	4989
0°	4364	4726	5025	5254	5414	5502	5551	5502	5414	5254	5025
-1.25°	4332	4692	4989	5223	5387	5473	5502	5473	5387	5223	4989
-2.5°	4238	4594	4889	5119	5287	5387	5414	5387	5287	5119	4889
-3.75°	4078	4431	4726	4955	5119	5223	5254	5223	5119	4955	4726
-5°	3864	4209	4499	4726	4889	4989	5025	4989	4889	4726	4499
-6.25°	3599	3924	4209	4431	4594	4692	4726	4692	4594	4431	4209
-7.5°	3298	3599	3864	4078	4238	4332	4364	4332	4238	4078	3864
-8.75°	2974	3245	3486	3683	3832	3922	3952	3922	3832	3683	3486
-10°	2638	2878	3092	3269	3401	3483	3511	3483	3401	3269	3092
-11.25°	2308	2513	2699	2852	2968	3039	3064	3039	2968	2852	2699
-12.5°	1992	2166	2323	2449	2549	2610	2631	2610	2549	2449	2323
-13.75°	1703	1841	1973	2081	2160	2211	2229	2211	2160	2081	1973
-15°	1445	1560	1662	1748	1810	1848	1861	1848	1810	1748	1662
-16.25°	1234	1318	1389	1460	1512	1543	1554	1543	1512	1460	1389
-17.5°	1069	1131	1183	1229	1266	1289	1297	1289	1266	1229	1183
-18.75°	951	991	1028	1056	1080	1097	1103	1097	1080	1056	1028
-20°	865	889	915	936	951	960	963	960	951	936	915
-21.25°	805	820	836	850	860	866	868	866	860	850	836



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	756	771	782	792	798	803	804	803	798	792	782
-23.75°	692	712	728	740	747	751	752	751	747	740	728
-25°	607	630	649	664	674	681	683	681	674	664	649
-26.25°	507	533	553	568	580	587	589	587	580	568	553
-27.5°	400	424	445	461	473	480	482	480	473	461	445
-28.75°	295	318	337	352	362	369	371	369	362	352	337
-30°	207	224	238	249	257	262	264	262	257	249	238
-31.25°	126	142	155	166	173	178	179	178	173	166	155
-32.5°	81	85	89	92	94	95	95	95	94	92	89
-33.75°	58	62	65	68	70	71	72	71	70	68	65
-35°	44	45	46	47	47	48	48	48	47	47	46
-36.25°	37	38	39	40	40	41	41	41	40	40	39
-37.5°	31	32	33	33	34	34	34	34	34	33	33
-38.75°	26	27	28	28	28	29	29	29	28	28	28
-40°	21	22	22	23	23	23	23	23	23	23	22
-41.25°	15	16	17	17	17	18	18	18	17	17	17
-42.5°	12	12	12	12	12	12	12	12	12	12	12
-43.75°	10	11	11	11	11	11	11	11	11	11	11
-45°	10	10	10	10	10	10	10	10	10	10	10
-46.25°	9	9	9	9	9	9	9	9	9	9	9
-47.5°	9	9	9	9	9	9	9	9	9	9	9
-48.75°	8	8	8	8	8	8	8	8	8	8	8
-50°	7	7	7	7	7	7	7	7	7	7	7
-51.25°	7	7	7	7	7	7	7	7	7	7	7
-52.5°	6	6	6	6	6	6	7	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	6	6	6
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-63.75°	4	4	4	4	4	4	4	4	4	4	4
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	3	3	3	3	3	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	2	2	2	2	2	2	1	1	1	1	1
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	3	3	3	3	3	3	2	2	2
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	4	4	3	3	3	3	3	3	3	3	3
62.5°	4	4	4	4	4	4	4	4	4	4	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	4	4	4	4	4
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	6	6	6	5	5	5	5	5	5	5	5
53.75°	6	6	6	6	6	6	6	6	6	5	5
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	7	7	7	7	7	7	6	6	6	6	6
50°	7	7	7	7	7	7	7	7	7	7	6
48.75°	8	8	8	8	7	7	7	7	7	7	7
47.5°	9	9	9	8	8	8	8	8	8	7	7
46.25°	9	9	9	9	9	9	9	9	8	8	8
45°	10	10	9	9	9	9	9	9	9	9	9
43.75°	11	10	10	10	10	10	10	9	9	9	9
42.5°	12	12	11	11	11	11	10	10	10	10	9
41.25°	16	15	14	13	12	12	12	11	11	10	10
40°	22	21	20	19	18	16	15	13	12	12	11
38.75°	27	26	25	24	23	22	20	18	17	15	13
37.5°	32	31	30	29	28	27	25	24	22	20	18
36.25°	38	37	36	34	33	32	30	28	26	25	22
35°	45	44	43	41	39	37	35	33	31	29	27



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	62	58	53	48	46	44	41	39	36	34	32
32.5°	85	81	76	70	63	56	48	45	43	40	37
31.25°	142	126	107	92	85	78	69	60	51	46	42
30°	224	207	187	164	139	111	91	82	71	61	49
28.75°	318	295	268	243	217	187	155	120	92	81	69
27.5°	424	400	371	338	302	263	230	193	155	114	88
26.25°	533	507	476	441	402	360	314	266	225	183	138
25°	630	607	577	543	503	458	409	358	304	251	204
23.75°	712	692	667	635	598	554	505	450	392	332	270
22.5°	771	756	739	712	681	640	595	542	482	418	352
21.25°	820	805	787	767	745	712	673	624	567	503	433
20°	889	865	839	813	790	765	736	694	642	582	514
18.75°	991	951	913	873	838	808	779	749	705	651	587
17.5°	1131	1069	1015	956	906	860	819	788	754	709	651
16.25°	1318	1234	1152	1067	997	931	873	826	791	754	705
15°	1560	1445	1329	1215	1114	1022	943	877	826	788	749
13.75°	1841	1703	1553	1397	1262	1138	1031	943	873	819	779
12.5°	2166	1992	1806	1621	1440	1278	1138	1022	931	860	808
11.25°	2513	2308	2088	1859	1646	1440	1262	1114	997	906	838
10°	2878	2638	2382	2120	1859	1621	1397	1215	1067	956	873
8.75°	3245	2974	2681	2382	2088	1806	1553	1329	1152	1015	913
7.5°	3599	3298	2974	2638	2308	1992	1703	1445	1234	1069	951
6.25°	3924	3599	3245	2878	2513	2166	1841	1560	1318	1131	991
5°	4209	3864	3486	3092	2699	2323	1973	1662	1389	1183	1028
3.75°	4431	4078	3683	3269	2852	2449	2081	1748	1460	1229	1056
2.5°	4594	4238	3832	3401	2968	2549	2160	1810	1512	1266	1080
1.25°	4692	4332	3922	3483	3039	2610	2211	1848	1543	1289	1097
0°	4726	4364	3952	3511	3064	2631	2229	1861	1554	1297	1103
-1.25°	4692	4332	3922	3483	3039	2610	2211	1848	1543	1289	1097
-2.5°	4594	4238	3832	3401	2968	2549	2160	1810	1512	1266	1080
-3.75°	4431	4078	3683	3269	2852	2449	2081	1748	1460	1229	1056
-5°	4209	3864	3486	3092	2699	2323	1973	1662	1389	1183	1028
-6.25°	3924	3599	3245	2878	2513	2166	1841	1560	1318	1131	991
-7.5°	3599	3298	2974	2638	2308	1992	1703	1445	1234	1069	951
-8.75°	3245	2974	2681	2382	2088	1806	1553	1329	1152	1015	913
-10°	2878	2638	2382	2120	1859	1621	1397	1215	1067	956	873
-11.25°	2513	2308	2088	1859	1646	1440	1262	1114	997	906	838
-12.5°	2166	1992	1806	1621	1440	1278	1138	1022	931	860	808
-13.75°	1841	1703	1553	1397	1262	1138	1031	943	873	819	779
-15°	1560	1445	1329	1215	1114	1022	943	877	826	788	749
-16.25°	1318	1234	1152	1067	997	931	873	826	791	754	705
-17.5°	1131	1069	1015	956	906	860	819	788	754	709	651
-18.75°	991	951	913	873	838	808	779	749	705	651	587
-20°	889	865	839	813	790	765	736	694	642	582	514
-21.25°	820	805	787	767	745	712	673	624	567	503	433



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	771	756	739	712	681	640	595	542	482	418	352
-23.75°	712	692	667	635	598	554	505	450	392	332	270
-25°	630	607	577	543	503	458	409	358	304	251	204
-26.25°	533	507	476	441	402	360	314	266	225	183	138
-27.5°	424	400	371	338	302	263	230	193	155	114	88
-28.75°	318	295	268	243	217	187	155	120	92	81	69
-30°	224	207	187	164	139	111	91	82	71	61	49
-31.25°	142	126	107	92	85	78	69	60	51	46	42
-32.5°	85	81	76	70	63	56	48	45	43	40	37
-33.75°	62	58	53	48	46	44	41	39	36	34	32
-35°	45	44	43	41	39	37	35	33	31	29	27
-36.25°	38	37	36	34	33	32	30	28	26	25	22
-37.5°	32	31	30	29	28	27	25	24	22	20	18
-38.75°	27	26	25	24	23	22	20	18	17	15	13
-40°	22	21	20	19	18	16	15	13	12	12	11
-41.25°	16	15	14	13	12	12	12	11	11	10	10
-42.5°	12	12	11	11	11	11	10	10	10	10	9
-43.75°	11	10	10	10	10	10	10	9	9	9	9
-45°	10	10	9	9	9	9	9	9	9	9	9
-46.25°	9	9	9	9	9	9	9	9	8	8	8
-47.5°	9	9	9	8	8	8	8	8	8	7	7
-48.75°	8	8	8	8	7	7	7	7	7	7	7
-50°	7	7	7	7	7	7	7	7	7	7	6
-51.25°	7	7	7	7	7	7	6	6	6	6	6
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	6	5	5
-55°	6	6	6	5	5	5	5	5	5	5	5
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	3
-63.75°	4	4	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	3	3	3	3	3	3	3	3	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	1	1	1	1	1



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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	2	2	2	2	2	2	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	3	3	3	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	3	3	3	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	3	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	4	3	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	4	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	4	4	4	4
52.5°	6	6	5	5	5	5	5	5	5	4	4
51.25°	6	6	6	6	6	5	5	5	5	5	5
50°	6	6	6	6	6	6	6	5	5	5	5
48.75°	7	7	7	6	6	6	6	6	6	5	5
47.5°	7	7	7	7	7	6	6	6	6	6	6
46.25°	8	7	7	7	7	7	7	6	6	6	6
45°	8	8	8	8	7	7	7	7	7	6	6
43.75°	9	9	8	8	8	8	7	7	7	7	7
42.5°	9	9	9	9	9	8	8	7	7	7	7
41.25°	10	10	9	9	9	9	8	8	8	7	7
40°	11	10	10	10	9	9	9	9	8	8	7
38.75°	12	11	11	10	10	10	9	9	9	8	8
37.5°	15	13	12	11	11	10	10	9	9	9	9
36.25°	20	18	15	12	12	11	10	10	9	9	9
35°	25	22	20	17	14	12	11	11	10	10	9

REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	29	27	24	21	18	15	12	11	11	10	10
32.5°	34	31	28	26	23	20	16	13	12	11	10
31.25°	39	36	33	30	27	24	20	17	13	12	11
30°	45	41	37	34	31	27	24	21	17	13	12
28.75°	57	47	43	39	35	31	28	24	21	17	13
27.5°	76	62	48	44	39	35	31	28	24	20	16
26.25°	94	80	66	51	44	40	35	31	27	24	20
25°	155	105	83	68	52	44	39	35	31	27	23
23.75°	218	166	112	84	68	51	44	39	34	30	26
22.5°	285	226	169	112	83	66	48	43	37	33	28
21.25°	362	289	226	166	105	80	62	47	41	36	31
20°	438	362	285	218	155	94	76	57	45	39	34
18.75°	514	433	352	270	204	138	88	69	49	42	37
17.5°	582	503	418	332	251	183	114	81	61	46	40
16.25°	642	567	482	392	304	225	155	92	71	51	43
15°	694	624	542	450	358	266	193	120	82	60	45
13.75°	736	673	595	505	409	314	230	155	91	69	48
12.5°	765	712	640	554	458	360	263	187	111	78	56
11.25°	790	745	681	598	503	402	302	217	139	85	63
10°	813	767	712	635	543	441	338	243	164	92	70
8.75°	839	787	739	667	577	476	371	268	187	107	76
7.5°	865	805	756	692	607	507	400	295	207	126	81
6.25°	889	820	771	712	630	533	424	318	224	142	85
5°	915	836	782	728	649	553	445	337	238	155	89
3.75°	936	850	792	740	664	568	461	352	249	166	92
2.5°	951	860	798	747	674	580	473	362	257	173	94
1.25°	960	866	803	751	681	587	480	369	262	178	95
0°	963	868	804	752	683	589	482	371	264	179	95
-1.25°	960	866	803	751	681	587	480	369	262	178	95
-2.5°	951	860	798	747	674	580	473	362	257	173	94
-3.75°	936	850	792	740	664	568	461	352	249	166	92
-5°	915	836	782	728	649	553	445	337	238	155	89
-6.25°	889	820	771	712	630	533	424	318	224	142	85
-7.5°	865	805	756	692	607	507	400	295	207	126	81
-8.75°	839	787	739	667	577	476	371	268	187	107	76
-10°	813	767	712	635	543	441	338	243	164	92	70
-11.25°	790	745	681	598	503	402	302	217	139	85	63
-12.5°	765	712	640	554	458	360	263	187	111	78	56
-13.75°	736	673	595	505	409	314	230	155	91	69	48
-15°	694	624	542	450	358	266	193	120	82	60	45
-16.25°	642	567	482	392	304	225	155	92	71	51	43
-17.5°	582	503	418	332	251	183	114	81	61	46	40
-18.75°	514	433	352	270	204	138	88	69	49	42	37
-20°	438	362	285	218	155	94	76	57	45	39	34
-21.25°	362	289	226	166	105	80	62	47	41	36	31



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	285	226	169	112	83	66	48	43	37	33	28
-23.75°	218	166	112	84	68	51	44	39	34	30	26
-25°	155	105	83	68	52	44	39	35	31	27	23
-26.25°	94	80	66	51	44	40	35	31	27	24	20
-27.5°	76	62	48	44	39	35	31	28	24	20	16
-28.75°	57	47	43	39	35	31	28	24	21	17	13
-30°	45	41	37	34	31	27	24	21	17	13	12
-31.25°	39	36	33	30	27	24	20	17	13	12	11
-32.5°	34	31	28	26	23	20	16	13	12	11	10
-33.75°	29	27	24	21	18	15	12	11	11	10	10
-35°	25	22	20	17	14	12	11	11	10	10	9
-36.25°	20	18	15	12	12	11	10	10	9	9	9
-37.5°	15	13	12	11	11	10	10	9	9	9	9
-38.75°	12	11	11	10	10	10	9	9	9	8	8
-40°	11	10	10	10	9	9	9	9	8	8	7
-41.25°	10	10	9	9	9	9	8	8	8	7	7
-42.5°	9	9	9	9	9	8	8	7	7	7	7
-43.75°	9	9	8	8	8	8	7	7	7	7	7
-45°	8	8	8	8	7	7	7	7	7	6	6
-46.25°	8	7	7	7	7	7	7	6	6	6	6
-47.5°	7	7	7	7	7	6	6	6	6	6	6
-48.75°	7	7	7	6	6	6	6	6	6	5	5
-50°	6	6	6	6	6	6	6	5	5	5	5
-51.25°	6	6	6	6	6	5	5	5	5	5	5
-52.5°	6	6	5	5	5	5	5	5	5	4	4
-53.75°	5	5	5	5	5	5	5	4	4	4	4
-55°	5	5	5	5	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	3	3	3
-61.25°	4	4	4	4	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	2	2	2
-65°	3	3	3	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	0	0	0	0	0	0	0	0	0
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	1	1	1	1	1	1	1	1	1
73.75°	2	2	2	2	2	2	1	1	1	1	1
72.5°	2	2	2	2	2	2	2	2	2	2	1
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	2	2	2	2
57.5°	4	4	3	3	3	3	3	3	3	2	2
56.25°	4	4	4	4	3	3	3	3	3	3	2
55°	4	4	4	4	4	4	3	3	3	3	3
53.75°	4	4	4	4	4	4	4	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	4	3	3
51.25°	4	4	4	4	4	4	4	4	4	4	3
50°	5	5	4	4	4	4	4	4	4	4	4
48.75°	5	5	5	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	4	4	4	4	4	4
46.25°	6	6	5	5	5	5	4	4	4	4	4
45°	6	6	6	5	5	5	5	4	4	4	4
43.75°	6	6	6	6	5	5	5	5	4	4	4
42.5°	7	6	6	6	6	5	5	5	5	4	4
41.25°	7	7	6	6	6	6	5	5	5	5	4
40°	7	7	7	6	6	6	6	5	5	5	5
38.75°	8	7	7	7	6	6	6	6	5	5	5
37.5°	8	8	7	7	7	6	6	6	6	5	5
36.25°	9	8	8	7	7	7	6	6	6	6	5
35°	9	9	8	8	7	7	7	6	6	6	6



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	9	9	9	8	8	7	7	7	6	6	6
32.5°	10	9	9	9	8	7	7	7	7	6	6
31.25°	10	10	9	9	8	8	7	7	7	6	6
30°	11	10	9	9	9	8	8	7	7	7	6
28.75°	11	11	10	9	9	9	8	7	7	7	6
27.5°	12	11	10	10	9	9	8	8	7	7	7
26.25°	15	12	11	10	10	9	9	8	8	7	7
25°	18	14	12	11	10	9	9	9	8	7	7
23.75°	21	17	12	11	10	10	9	9	8	8	7
22.5°	24	20	15	12	11	10	9	9	8	8	7
21.25°	27	22	18	13	11	10	10	9	9	8	7
20°	29	25	20	15	12	11	10	9	9	8	8
18.75°	32	27	22	18	13	11	10	9	9	9	8
17.5°	34	29	25	20	15	12	10	10	9	9	8
16.25°	36	31	26	22	17	12	11	10	9	9	8
15°	39	33	28	24	18	13	11	10	9	9	9
13.75°	41	35	30	25	20	15	12	10	10	9	9
12.5°	44	37	32	27	22	16	12	11	10	9	9
11.25°	46	39	33	28	23	18	12	11	10	9	9
10°	48	41	34	29	24	19	13	11	10	9	9
8.75°	53	43	36	30	25	20	14	11	10	9	9
7.5°	58	44	37	31	26	21	15	12	10	10	9
6.25°	62	45	38	32	27	22	16	12	11	10	9
5°	65	46	39	33	28	22	17	12	11	10	9
3.75°	68	47	40	33	28	23	17	12	11	10	9
2.5°	70	47	40	34	28	23	17	12	11	10	9
1.25°	71	48	41	34	29	23	18	12	11	10	9
0°	72	48	41	34	29	23	18	12	11	10	9
-1.25°	71	48	41	34	29	23	18	12	11	10	9
-2.5°	70	47	40	34	28	23	17	12	11	10	9
-3.75°	68	47	40	33	28	23	17	12	11	10	9
-5°	65	46	39	33	28	22	17	12	11	10	9
-6.25°	62	45	38	32	27	22	16	12	11	10	9
-7.5°	58	44	37	31	26	21	15	12	10	10	9
-8.75°	53	43	36	30	25	20	14	11	10	9	9
-10°	48	41	34	29	24	19	13	11	10	9	9
-11.25°	46	39	33	28	23	18	12	11	10	9	9
-12.5°	44	37	32	27	22	16	12	11	10	9	9
-13.75°	41	35	30	25	20	15	12	10	10	9	9
-15°	39	33	28	24	18	13	11	10	9	9	9
-16.25°	36	31	26	22	17	12	11	10	9	9	8
-17.5°	34	29	25	20	15	12	10	10	9	9	8
-18.75°	32	27	22	18	13	11	10	9	9	9	8
-20°	29	25	20	15	12	11	10	9	9	8	8
-21.25°	27	22	18	13	11	10	10	9	9	8	7



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	24	20	15	12	11	10	9	9	8	8	7
-23.75°	21	17	12	11	10	10	9	9	8	8	7
-25°	18	14	12	11	10	9	9	9	8	7	7
-26.25°	15	12	11	10	10	9	9	8	8	7	7
-27.5°	12	11	10	10	9	9	8	8	7	7	7
-28.75°	11	11	10	9	9	9	8	7	7	7	6
-30°	11	10	9	9	9	8	8	7	7	7	6
-31.25°	10	10	9	9	8	8	7	7	7	6	6
-32.5°	10	9	9	9	8	7	7	7	7	6	6
-33.75°	9	9	9	8	8	7	7	7	6	6	6
-35°	9	9	8	8	7	7	7	6	6	6	6
-36.25°	9	8	8	7	7	7	6	6	6	6	5
-37.5°	8	8	7	7	7	6	6	6	6	5	5
-38.75°	8	7	7	7	6	6	6	6	5	5	5
-40°	7	7	7	6	6	6	6	5	5	5	5
-41.25°	7	7	6	6	6	6	5	5	5	5	4
-42.5°	7	6	6	6	6	5	5	5	5	4	4
-43.75°	6	6	6	6	5	5	5	5	4	4	4
-45°	6	6	6	5	5	5	5	4	4	4	4
-46.25°	6	6	5	5	5	5	4	4	4	4	4
-47.5°	5	5	5	5	5	4	4	4	4	4	4
-48.75°	5	5	5	4	4	4	4	4	4	4	4
-50°	5	5	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	3
-52.5°	4	4	4	4	4	4	4	4	4	3	3
-53.75°	4	4	4	4	4	4	4	3	3	3	3
-55°	4	4	4	4	4	4	3	3	3	3	3
-56.25°	4	4	4	4	3	3	3	3	3	3	2
-57.5°	4	4	3	3	3	3	3	3	3	2	2
-58.75°	3	3	3	3	3	3	3	2	2	2	2
-60°	3	3	3	3	3	2	2	2	2	2	2
-61.25°	3	3	3	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	1
-73.75°	2	2	2	2	2	2	1	1	1	1	1
-75°	2	2	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	5	5	5	4	4	4	4	4	4	3	3
32.5°	6	5	5	5	4	4	4	4	4	4	3
31.25°	6	5	5	5	4	4	4	4	4	4	3
30°	6	6	5	5	5	4	4	4	4	4	3
28.75°	6	6	5	5	5	4	4	4	4	4	4
27.5°	6	6	6	5	5	5	4	4	4	4	4
26.25°	6	6	6	5	5	5	4	4	4	4	4
25°	7	6	6	6	5	5	4	4	4	4	4
23.75°	7	6	6	6	5	5	5	4	4	4	4
22.5°	7	7	6	6	5	5	5	4	4	4	4
21.25°	7	7	6	6	6	5	5	4	4	4	4
20°	7	7	6	6	6	5	5	4	4	4	4
18.75°	7	7	6	6	6	5	5	5	4	4	4
17.5°	7	7	7	6	6	5	5	5	4	4	4
16.25°	8	7	7	6	6	6	5	5	4	4	4
15°	8	7	7	6	6	6	5	5	4	4	4
13.75°	8	7	7	6	6	6	5	5	4	4	4
12.5°	8	7	7	7	6	6	5	5	5	4	4
11.25°	8	7	7	7	6	6	5	5	5	4	4
10°	8	8	7	7	6	6	5	5	5	4	4
8.75°	9	8	7	7	6	6	6	5	5	4	4
7.5°	9	8	7	7	6	6	6	5	5	4	4
6.25°	9	8	7	7	6	6	6	5	5	4	4
5°	9	8	7	7	6	6	6	5	5	4	4
3.75°	9	8	7	7	6	6	6	5	5	4	4
2.5°	9	8	7	7	6	6	6	5	5	4	4
1.25°	9	8	7	7	6	6	6	5	5	4	4
0°	9	8	7	7	7	6	6	5	5	4	4
-1.25°	9	8	7	7	6	6	6	5	5	4	4
-2.5°	9	8	7	7	6	6	6	5	5	4	4
-3.75°	9	8	7	7	6	6	6	5	5	4	4
-5°	9	8	7	7	6	6	6	5	5	4	4
-6.25°	9	8	7	7	6	6	6	5	5	4	4
-7.5°	9	8	7	7	6	6	6	5	5	4	4
-8.75°	9	8	7	7	6	6	6	5	5	4	4
-10°	8	8	7	7	6	6	5	5	5	4	4
-11.25°	8	7	7	7	6	6	5	5	5	4	4
-12.5°	8	7	7	7	6	6	5	5	5	4	4
-13.75°	8	7	7	6	6	6	5	5	4	4	4
-15°	8	7	7	6	6	6	5	5	4	4	4
-16.25°	8	7	7	6	6	6	5	5	4	4	4
-17.5°	7	7	7	6	6	5	5	5	4	4	4
-18.75°	7	7	6	6	6	5	5	5	4	4	4
-20°	7	7	6	6	6	5	5	4	4	4	4
-21.25°	7	7	6	6	6	5	5	4	4	4	4



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	7	7	6	6	5	5	5	4	4	4	4
-23.75°	7	6	6	6	5	5	5	4	4	4	4
-25°	7	6	6	6	5	5	4	4	4	4	4
-26.25°	6	6	6	5	5	5	4	4	4	4	4
-27.5°	6	6	6	5	5	5	4	4	4	4	4
-28.75°	6	6	5	5	5	4	4	4	4	4	4
-30°	6	6	5	5	5	4	4	4	4	4	3
-31.25°	6	5	5	5	4	4	4	4	4	4	3
-32.5°	6	5	5	5	4	4	4	4	4	4	3
-33.75°	5	5	5	4	4	4	4	4	4	3	3
-35°	5	5	5	4	4	4	4	4	4	3	3
-36.25°	5	5	4	4	4	4	4	4	3	3	3
-37.5°	5	4	4	4	4	4	4	4	3	3	3
-38.75°	5	4	4	4	4	4	4	3	3	3	3
-40°	4	4	4	4	4	4	4	3	3	3	2
-41.25°	4	4	4	4	4	4	3	3	3	3	2
-42.5°	4	4	4	4	4	3	3	3	3	2	2
-43.75°	4	4	4	4	4	3	3	3	3	2	2
-45°	4	4	4	4	3	3	3	3	2	2	2
-46.25°	4	4	4	3	3	3	3	2	2	2	2
-47.5°	4	4	3	3	3	3	2	2	2	2	2
-48.75°	4	3	3	3	3	3	2	2	2	2	2
-50°	3	3	3	3	3	2	2	2	2	2	2
-51.25°	3	3	3	3	2	2	2	2	2	2	2
-52.5°	3	3	3	2	2	2	2	2	2	2	2
-53.75°	3	3	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	1	1
-67.5°	2	2	2	2	2	2	2	2	1	1	1
-68.75°	2	2	2	2	2	2	1	1	1	1	1
-70°	2	2	2	2	1	1	1	1	1	1	1
-71.25°	2	2	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	0	0	0
-83.75°	1	1	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	4	3	3	3	2	2	2	2	2	2	2
-23.75°	4	3	3	2	2	2	2	2	2	2	2
-25°	3	3	3	2	2	2	2	2	2	2	2
-26.25°	3	3	3	2	2	2	2	2	2	2	2
-27.5°	3	3	3	2	2	2	2	2	2	2	2
-28.75°	3	3	3	2	2	2	2	2	2	2	2
-30°	3	3	2	2	2	2	2	2	2	2	2
-31.25°	3	3	2	2	2	2	2	2	2	2	2
-32.5°	3	3	2	2	2	2	2	2	2	2	2
-33.75°	3	2	2	2	2	2	2	2	2	2	2
-35°	3	2	2	2	2	2	2	2	2	2	2
-36.25°	3	2	2	2	2	2	2	2	2	2	2
-37.5°	2	2	2	2	2	2	2	2	2	2	2
-38.75°	2	2	2	2	2	2	2	2	2	2	2
-40°	2	2	2	2	2	2	2	2	2	2	2
-41.25°	2	2	2	2	2	2	2	2	2	2	1
-42.5°	2	2	2	2	2	2	2	2	2	2	1
-43.75°	2	2	2	2	2	2	2	2	2	2	1
-45°	2	2	2	2	2	2	2	2	2	2	1
-46.25°	2	2	2	2	2	2	2	2	2	1	1
-47.5°	2	2	2	2	2	2	2	2	2	1	1
-48.75°	2	2	2	2	2	2	2	2	2	1	1
-50°	2	2	2	2	2	2	2	2	1	1	1
-51.25°	2	2	2	2	2	2	2	2	1	1	1
-52.5°	2	2	2	2	2	2	2	1	1	1	1
-53.75°	2	2	2	2	2	2	2	1	1	1	1
-55°	2	2	2	2	2	2	1	1	1	1	1
-56.25°	2	2	2	2	2	2	1	1	1	1	1
-57.5°	2	2	2	2	2	1	1	1	1	1	1
-58.75°	2	2	2	2	1	1	1	1	1	1	1
-60°	2	2	2	2	1	1	1	1	1	1	1
-61.25°	2	2	2	1	1	1	1	1	1	1	1
-62.5°	2	2	1	1	1	1	1	1	1	1	1
-63.75°	2	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	0
-77.5°	1	1	1	1	1	1	1	1	0	0	0



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	1	1	1	1	1	1	0	0	0	0	0
-80°	1	1	1	1	0	0	0	0	0	0	0
-81.25°	1	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	2	2	1	1	1	1	1	1	1	0	0
-23.75°	2	2	1	1	1	1	1	1	1	0	0
-25°	2	2	1	1	1	1	1	1	1	0	0
-26.25°	2	2	1	1	1	1	1	1	1	0	0
-27.5°	2	1	1	1	1	1	1	1	1	0	0
-28.75°	2	1	1	1	1	1	1	1	1	0	0
-30°	2	1	1	1	1	1	1	1	1	0	0
-31.25°	2	1	1	1	1	1	1	1	1	0	0
-32.5°	2	1	1	1	1	1	1	1	1	0	0
-33.75°	2	1	1	1	1	1	1	1	1	0	0
-35°	2	1	1	1	1	1	1	1	1	0	0
-36.25°	1	1	1	1	1	1	1	1	0	0	0
-37.5°	1	1	1	1	1	1	1	1	0	0	0
-38.75°	1	1	1	1	1	1	1	1	0	0	0
-40°	1	1	1	1	1	1	1	1	0	0	0
-41.25°	1	1	1	1	1	1	1	1	0	0	0
-42.5°	1	1	1	1	1	1	1	1	0	0	0
-43.75°	1	1	1	1	1	1	1	1	0	0	0
-45°	1	1	1	1	1	1	1	1	0	0	0
-46.25°	1	1	1	1	1	1	1	1	0	0	0
-47.5°	1	1	1	1	1	1	1	1	0	0	0
-48.75°	1	1	1	1	1	1	1	1	0	0	0
-50°	1	1	1	1	1	1	1	0	0	0	0
-51.25°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	1	1	0	0	0	0
-53.75°	1	1	1	1	1	1	1	0	0	0	0
-55°	1	1	1	1	1	1	1	0	0	0	0
-56.25°	1	1	1	1	1	1	1	0	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-58.75°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-61.25°	1	1	1	1	1	1	0	0	0	0	0
-62.5°	1	1	1	1	1	0	0	0	0	0	0
-63.75°	1	1	1	1	1	0	0	0	0	0	0
-65°	1	1	1	1	1	0	0	0	0	0	0
-66.25°	1	1	1	1	0	0	0	0	0	0	0
-67.5°	1	1	1	1	0	0	0	0	0	0	0
-68.75°	1	1	1	0	0	0	0	0	0	0	0
-70°	1	1	1	0	0	0	0	0	0	0	0
-71.25°	1	1	0	0	0	0	0	0	0	0	0
-72.5°	1	1	0	0	0	0	0	0	0	0	0
-73.75°	1	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220669 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)