

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: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT  
OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

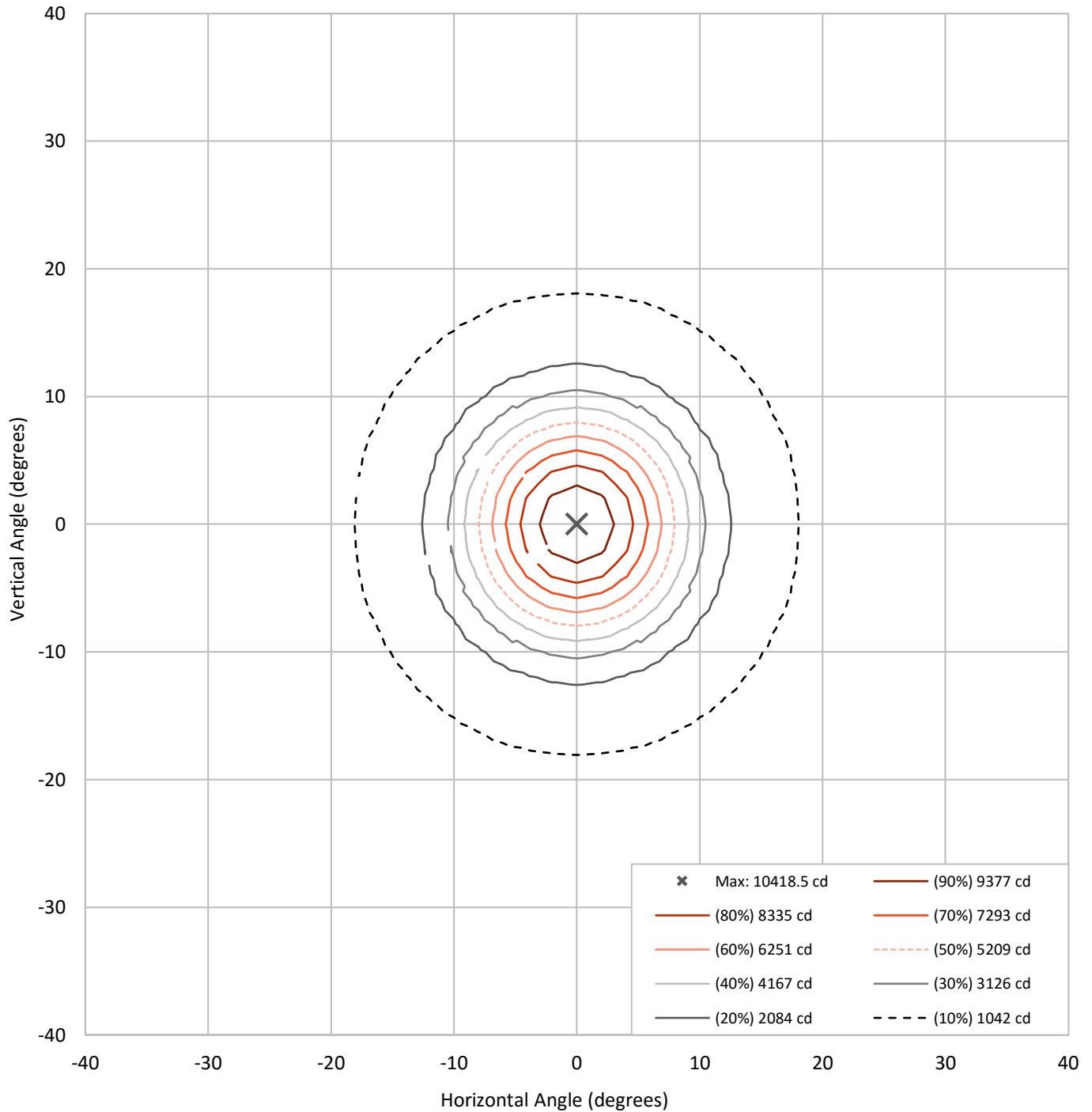
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1372 lumens	Max Intensity:	10418.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	68.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	16°H x 16°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	448 lumens	Field Lumens:	966 lumens
Beam Efficiency:	32.7%	Field Efficiency:	70.4%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

### Iso-Candela Plot





REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

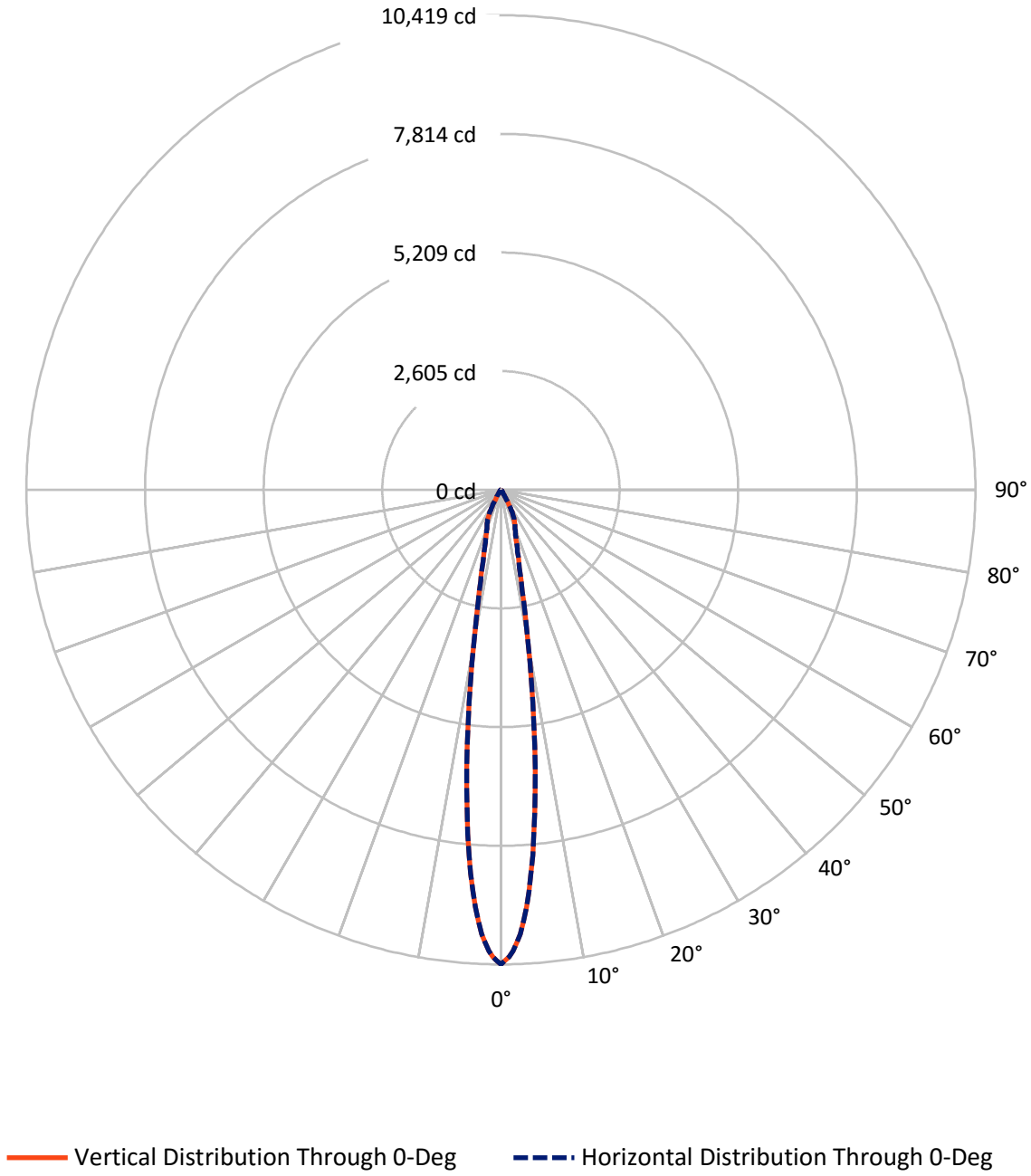
### Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
40		0.0	0.1	0.1	0.1	0.4	0.9	1.8	1.8	0.9	0.4	0.1	0.1	0.1	0.0	
30	0.0	0.0	0.1	0.1	0.3	1.9	10.0	17.6	17.6	10.0	1.9	0.3	0.1	0.1	0.0	0.0
20		0.0	0.1	0.1	0.7	9.5	25.4	43.0	43.0	25.4	9.5	0.7	0.1	0.1	0.0	
10	0.0	0.0	0.1	0.2	1.5	16.1	41.9	168.8	168.8	41.9	16.1	1.5	0.2	0.1	0.0	0.0
0		0.0	0.1	0.2	1.5	16.1	41.9	168.8	168.8	41.9	16.1	1.5	0.2	0.1	0.0	
-10	0.0	0.0	0.1	0.1	0.7	9.5	25.4	43.0	43.0	25.4	9.5	0.7	0.1	0.1	0.0	0.0
-20		0.0	0.1	0.1	0.3	1.9	10.0	17.6	17.6	10.0	1.9	0.3	0.1	0.1	0.0	
-30	0.0	0.0	0.1	0.1	0.1	0.4	0.9	1.8	1.8	0.9	0.4	0.1	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	0.0	
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	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	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	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: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

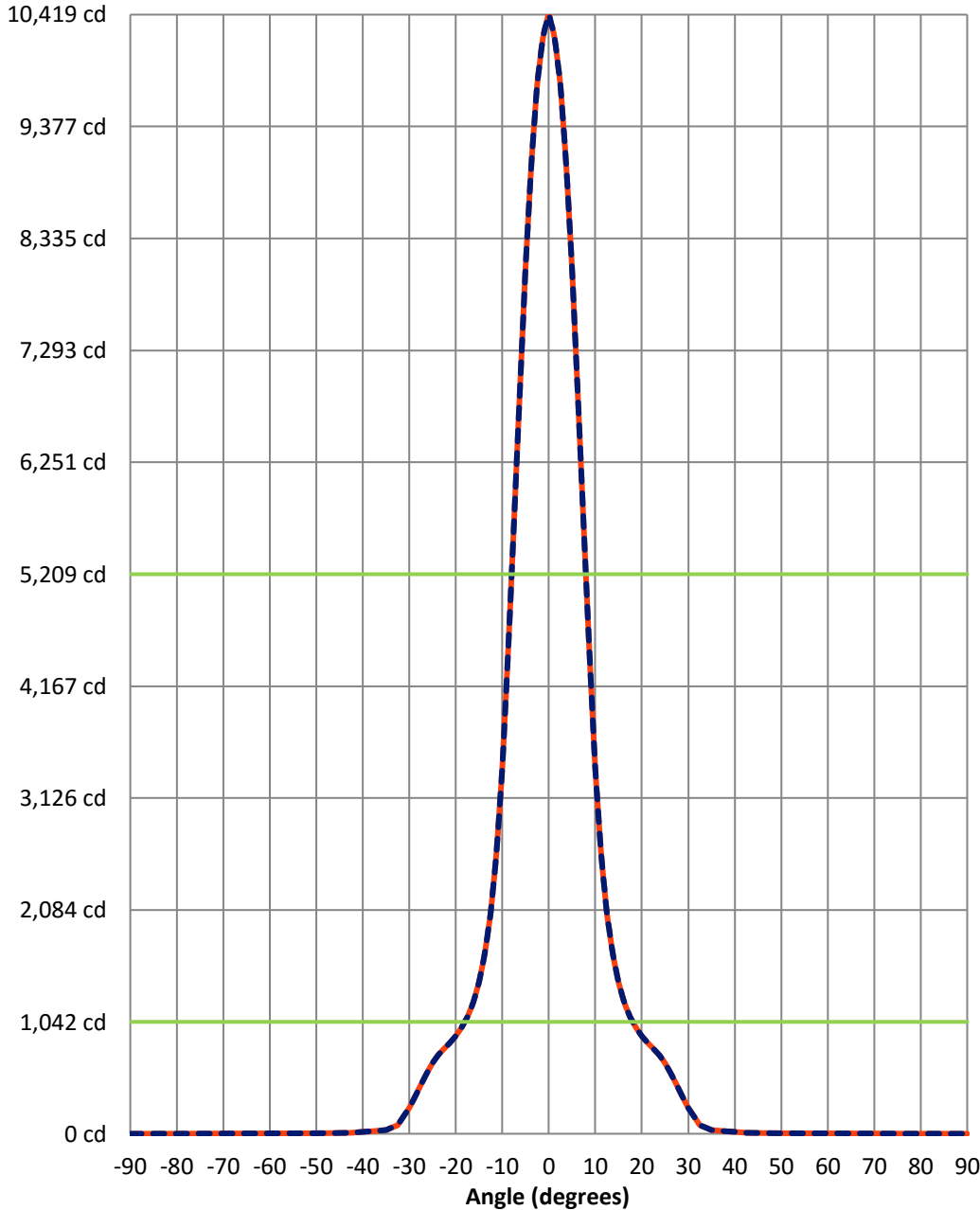
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

### Luminous Intensity Polar Plot



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

### Luminous Intensity Plot



**Beam:**  
 H Angle: 16°  
 V Angle: 16°  
 Lumens: 448  
 Efficiency: 32.7%

**Field:**  
 H Angle: 36.1°  
 V Angle: 36.1°  
 Lumens: 966  
 Efficiency: 70.4%

**Spill:**  
 Lumens: 405.9  
 Efficiency: 29.6%

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



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

FIELD  
BEAM

**CANDELA DISTRIBUTION:**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	2	2	2
72.5°	1	1	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	3
63.75°	2	2	2	2	2	3	3	3	3	3	3
62.5°	2	2	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	4
57.5°	3	3	3	3	3	3	4	4	4	4	4
56.25°	3	3	3	3	4	4	4	4	4	4	4
55°	3	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	4	4	4	4	4	4	4	5	5	5
47.5°	4	4	4	4	4	4	5	5	5	5	5
46.25°	4	4	4	4	5	5	5	5	5	5	5
45°	4	4	5	5	5	5	5	5	5	5	5
43.75°	4	5	5	5	5	5	5	5	5	5	5
42.5°	5	5	5	5	5	5	5	5	5	6	6
41.25°	5	5	5	5	5	5	5	6	6	6	7
40°	5	5	5	5	5	6	6	6	7	7	7
38.75°	5	5	5	5	6	6	7	7	7	8	8
37.5°	5	5	6	6	6	7	7	8	8	8	9
36.25°	5	6	6	6	7	7	8	8	9	9	11
35°	6	6	6	7	7	8	8	9	10	13	15



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	6	6	7	7	8	8	9	11	14	16	18
32.5°	6	7	8	8	9	10	12	15	17	19	21
31.25°	7	7	8	9	10	13	15	18	20	22	24
30°	7	8	9	10	13	16	18	21	23	25	28
28.75°	8	8	10	13	16	18	21	23	26	28	31
27.5°	8	9	12	15	18	21	23	26	29	32	35
26.25°	9	11	15	18	21	23	26	29	32	38	52
25°	10	14	17	20	23	26	29	32	39	54	68
23.75°	13	16	19	22	25	28	32	38	54	69	95
22.5°	15	18	21	24	28	31	35	52	68	95	151
21.25°	17	20	23	26	30	34	49	66	89	147	205
20°	19	22	25	29	33	43	61	79	137	198	261
18.75°	20	23	27	31	36	55	73	121	184	248	326
17.5°	22	25	29	33	47	66	98	164	229	307	392
16.25°	23	27	31	38	57	77	137	204	280	367	455
15°	25	29	33	47	67	104	174	244	332	424	515
13.75°	26	30	35	55	76	137	208	290	383	479	567
12.5°	27	32	43	63	94	168	241	334	432	527	614
11.25°	29	33	49	71	122	196	278	376	477	571	656
10°	30	35	56	77	146	222	313	415	516	608	689
8.75°	31	40	61	91	168	246	345	450	550	641	719
7.5°	32	44	66	109	187	271	374	480	579	668	739
6.25°	33	48	70	125	203	293	398	506	603	689	756
5°	34	52	74	137	217	311	419	526	623	707	770
3.75°	34	54	77	147	227	326	435	541	638	721	780
2.5°	34	56	78	155	235	337	447	553	649	729	787
1.25°	35	57	80	159	239	343	454	559	656	733	791
0°	35	57	80	160	241	345	456	562	658	735	792
-1.25°	35	57	80	159	239	343	454	559	656	733	791
-2.5°	34	56	78	155	235	337	447	553	649	729	787
-3.75°	34	54	77	147	227	326	435	541	638	721	780
-5°	34	52	74	137	217	311	419	526	623	707	770
-6.25°	33	48	70	125	203	293	398	506	603	689	756
-7.5°	32	44	66	109	187	271	374	480	579	668	739
-8.75°	31	40	61	91	168	246	345	450	550	641	719
-10°	30	35	56	77	146	222	313	415	516	608	689
-11.25°	29	33	49	71	122	196	278	376	477	571	656
-12.5°	27	32	43	63	94	168	241	334	432	527	614
-13.75°	26	30	35	55	76	137	208	290	383	479	567
-15°	25	29	33	47	67	104	174	244	332	424	515
-16.25°	23	27	31	38	57	77	137	204	280	367	455
-17.5°	22	25	29	33	47	66	98	164	229	307	392
-18.75°	20	23	27	31	36	55	73	121	184	248	326
-20°	19	22	25	29	33	43	61	79	137	198	261
-21.25°	17	20	23	26	30	34	49	66	89	147	205





REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	15	18	21	24	28	31	35	52	68	95	151
-23.75°	13	16	19	22	25	28	32	38	54	69	95
-25°	10	14	17	20	23	26	29	32	39	54	68
-26.25°	9	11	15	18	21	23	26	29	32	38	52
-27.5°	8	9	12	15	18	21	23	26	29	32	35
-28.75°	8	8	10	13	16	18	21	23	26	28	31
-30°	7	8	9	10	13	16	18	21	23	25	28
-31.25°	7	7	8	9	10	13	15	18	20	22	24
-32.5°	6	7	8	8	9	10	12	15	17	19	21
-33.75°	6	6	7	7	8	8	9	11	14	16	18
-35°	6	6	6	7	7	8	8	9	10	13	15
-36.25°	5	6	6	6	7	7	8	8	9	9	11
-37.5°	5	5	6	6	6	7	7	8	8	8	9
-38.75°	5	5	5	5	6	6	7	7	7	8	8
-40°	5	5	5	5	5	6	6	6	7	7	7
-41.25°	5	5	5	5	5	5	5	6	6	6	7
-42.5°	5	5	5	5	5	5	5	5	5	6	6
-43.75°	4	5	5	5	5	5	5	5	5	5	5
-45°	4	4	5	5	5	5	5	5	5	5	5
-46.25°	4	4	4	4	5	5	5	5	5	5	5
-47.5°	4	4	4	4	4	4	5	5	5	5	5
-48.75°	4	4	4	4	4	4	4	4	5	5	5
-50°	4	4	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	3	4	4	4	4	4	4	4	4	4	4
-56.25°	3	3	3	3	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	3	4	4	4	4	4
-58.75°	3	3	3	3	3	3	3	3	3	3	4
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	3	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	3
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	2	2	2	2	2	2	2	2	2
-73.75°	1	1	1	1	1	1	1	1	2	2	2
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	20	22	23	25	27	29	30	32	33	35	40
32.5°	23	25	27	29	31	33	35	43	49	56	61
31.25°	26	29	31	33	38	47	55	63	71	77	91
30°	30	33	36	47	57	67	76	94	122	146	168
28.75°	34	43	55	66	77	104	137	168	196	222	246
27.5°	49	61	73	98	137	174	208	241	278	313	345
26.25°	66	79	121	164	204	244	290	334	376	415	450
25°	89	137	184	229	280	332	383	432	477	516	550
23.75°	147	198	248	307	367	424	479	527	571	608	641
22.5°	205	261	326	392	455	515	567	614	656	689	719
21.25°	266	336	407	477	540	597	648	690	726	752	775
20°	336	412	487	555	616	670	715	749	778	802	824
18.75°	407	487	560	625	683	730	766	796	824	851	878
17.5°	477	555	625	687	737	776	808	841	873	906	940
16.25°	540	616	683	737	778	814	851	890	929	969	1015
15°	597	670	730	776	814	854	898	944	994	1047	1103
13.75°	648	715	766	808	851	898	949	1007	1070	1136	1218
12.5°	690	749	796	841	890	944	1007	1078	1158	1255	1376
11.25°	726	778	824	873	929	994	1070	1158	1271	1410	1566
10°	752	802	851	906	969	1047	1136	1255	1410	1588	1807
8.75°	775	824	878	940	1015	1103	1218	1376	1566	1807	2108
7.5°	793	845	903	971	1057	1161	1309	1501	1744	2063	2476
6.25°	809	863	926	1004	1097	1222	1398	1622	1929	2343	2901
5°	822	880	947	1031	1131	1282	1488	1756	2127	2640	3357
3.75°	833	893	964	1054	1169	1338	1561	1864	2306	2945	3808
2.5°	841	902	977	1072	1196	1378	1617	1967	2468	3196	4154
1.25°	846	908	986	1083	1213	1403	1661	2032	2567	3351	4390
0°	847	910	989	1087	1218	1411	1676	2054	2601	3403	4474
-1.25°	846	908	986	1083	1213	1403	1661	2032	2567	3351	4390
-2.5°	841	902	977	1072	1196	1378	1617	1967	2468	3196	4154
-3.75°	833	893	964	1054	1169	1338	1561	1864	2306	2945	3808
-5°	822	880	947	1031	1131	1282	1488	1756	2127	2640	3357
-6.25°	809	863	926	1004	1097	1222	1398	1622	1929	2343	2901
-7.5°	793	845	903	971	1057	1161	1309	1501	1744	2063	2476
-8.75°	775	824	878	940	1015	1103	1218	1376	1566	1807	2108
-10°	752	802	851	906	969	1047	1136	1255	1410	1588	1807
-11.25°	726	778	824	873	929	994	1070	1158	1271	1410	1566
-12.5°	690	749	796	841	890	944	1007	1078	1158	1255	1376
-13.75°	648	715	766	808	851	898	949	1007	1070	1136	1218
-15°	597	670	730	776	814	854	898	944	994	1047	1103
-16.25°	540	616	683	737	778	814	851	890	929	969	1015
-17.5°	477	555	625	687	737	776	808	841	873	906	940
-18.75°	407	487	560	625	683	730	766	796	824	851	878
-20°	336	412	487	555	616	670	715	749	778	802	824
-21.25°	266	336	407	477	540	597	648	690	726	752	775



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	205	261	326	392	455	515	567	614	656	689	719
-23.75°	147	198	248	307	367	424	479	527	571	608	641
-25°	89	137	184	229	280	332	383	432	477	516	550
-26.25°	66	79	121	164	204	244	290	334	376	415	450
-27.5°	49	61	73	98	137	174	208	241	278	313	345
-28.75°	34	43	55	66	77	104	137	168	196	222	246
-30°	30	33	36	47	57	67	76	94	122	146	168
-31.25°	26	29	31	33	38	47	55	63	71	77	91
-32.5°	23	25	27	29	31	33	35	43	49	56	61
-33.75°	20	22	23	25	27	29	30	32	33	35	40
-35°	17	19	20	22	23	25	26	27	29	30	31
-36.25°	13	15	17	19	20	21	22	23	24	25	26
-37.5°	10	11	13	15	16	18	19	20	21	22	23
-38.75°	8	9	9	11	12	14	15	16	17	18	19
-40°	8	8	8	9	9	10	11	12	13	14	15
-41.25°	7	7	8	8	8	8	9	9	9	10	11
-42.5°	6	7	7	7	7	8	8	8	8	8	8
-43.75°	6	6	6	6	7	7	7	7	7	8	8
-45°	5	5	6	6	6	6	6	6	7	7	7
-46.25°	5	5	5	5	5	5	6	6	6	6	6
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	4	4	4	5	5	5	5	5	5	5	5
-52.5°	4	4	4	4	4	4	4	4	5	5	5
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	4	4	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	2	2	2	2	2	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	1	1	1	1	1	1	1	1	2	2	2
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	3	3	3	3	3	3	3	3	3
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	5	5	5	5	5	5
50°	5	5	5	5	5	5	5	5	5	5	5
48.75°	5	5	5	5	5	5	5	5	5	5	5
47.5°	6	6	6	6	6	6	6	6	6	6	6
46.25°	6	6	6	6	6	6	7	6	6	6	6
45°	7	7	7	7	7	7	7	7	7	7	7
43.75°	8	8	8	8	8	8	8	8	8	8	8
42.5°	9	9	9	9	9	9	9	9	9	9	9
41.25°	11	12	12	13	13	13	13	13	13	13	12
40°	16	16	17	17	18	18	18	18	18	17	17
38.75°	20	20	21	21	21	21	21	21	21	21	21
37.5°	23	24	24	25	25	25	25	25	25	25	24
36.25°	27	28	29	29	30	30	30	30	30	29	29
35°	32	33	34	34	34	35	35	35	34	34	34

REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	44	48	52	54	56	57	57	57	56	54	52
32.5°	66	70	74	77	78	80	80	80	78	77	74
31.25°	109	125	137	147	155	159	160	159	155	147	137
30°	187	203	217	227	235	239	241	239	235	227	217
28.75°	271	293	311	326	337	343	345	343	337	326	311
27.5°	374	398	419	435	447	454	456	454	447	435	419
26.25°	480	506	526	541	553	559	562	559	553	541	526
25°	579	603	623	638	649	656	658	656	649	638	623
23.75°	668	689	707	721	729	733	735	733	729	721	707
22.5°	739	756	770	780	787	791	792	791	787	780	770
21.25°	793	809	822	833	841	846	847	846	841	833	822
20°	845	863	880	893	902	908	910	908	902	893	880
18.75°	903	926	947	964	977	986	989	986	977	964	947
17.5°	971	1004	1031	1054	1072	1083	1087	1083	1072	1054	1031
16.25°	1057	1097	1131	1169	1196	1213	1218	1213	1196	1169	1131
15°	1161	1222	1282	1338	1378	1403	1411	1403	1378	1338	1282
13.75°	1309	1398	1488	1561	1617	1661	1676	1661	1617	1561	1488
12.5°	1501	1622	1756	1864	1967	2032	2054	2032	1967	1864	1756
11.25°	1744	1929	2127	2306	2468	2567	2601	2567	2468	2306	2127
10°	2063	2343	2640	2945	3196	3351	3403	3351	3196	2945	2640
8.75°	2476	2901	3357	3808	4154	4390	4474	4390	4154	3808	3357
7.5°	3001	3610	4231	4826	5281	5570	5670	5570	5281	4826	4231
6.25°	3610	4397	5190	5877	6415	6762	6882	6762	6415	5877	5190
5°	4231	5190	6087	6885	7509	7915	8058	7915	7509	6885	6087
3.75°	4826	5877	6885	7777	8459	8901	9034	8901	8459	7777	6885
2.5°	5281	6415	7509	8459	9176	9625	9764	9625	9176	8459	7509
1.25°	5570	6762	7915	8901	9625	10067	10216	10067	9625	8901	7915
0°	5670	6882	8058	9034	9764	10216	10419	10216	9764	9034	8058
-1.25°	5570	6762	7915	8901	9625	10067	10216	10067	9625	8901	7915
-2.5°	5281	6415	7509	8459	9176	9625	9764	9625	9176	8459	7509
-3.75°	4826	5877	6885	7777	8459	8901	9034	8901	8459	7777	6885
-5°	4231	5190	6087	6885	7509	7915	8058	7915	7509	6885	6087
-6.25°	3610	4397	5190	5877	6415	6762	6882	6762	6415	5877	5190
-7.5°	3001	3610	4231	4826	5281	5570	5670	5570	5281	4826	4231
-8.75°	2476	2901	3357	3808	4154	4390	4474	4390	4154	3808	3357
-10°	2063	2343	2640	2945	3196	3351	3403	3351	3196	2945	2640
-11.25°	1744	1929	2127	2306	2468	2567	2601	2567	2468	2306	2127
-12.5°	1501	1622	1756	1864	1967	2032	2054	2032	1967	1864	1756
-13.75°	1309	1398	1488	1561	1617	1661	1676	1661	1617	1561	1488
-15°	1161	1222	1282	1338	1378	1403	1411	1403	1378	1338	1282
-16.25°	1057	1097	1131	1169	1196	1213	1218	1213	1196	1169	1131
-17.5°	971	1004	1031	1054	1072	1083	1087	1083	1072	1054	1031
-18.75°	903	926	947	964	977	986	989	986	977	964	947
-20°	845	863	880	893	902	908	910	908	902	893	880
-21.25°	793	809	822	833	841	846	847	846	841	833	822





REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	739	756	770	780	787	791	792	791	787	780	770
-23.75°	668	689	707	721	729	733	735	733	729	721	707
-25°	579	603	623	638	649	656	658	656	649	638	623
-26.25°	480	506	526	541	553	559	562	559	553	541	526
-27.5°	374	398	419	435	447	454	456	454	447	435	419
-28.75°	271	293	311	326	337	343	345	343	337	326	311
-30°	187	203	217	227	235	239	241	239	235	227	217
-31.25°	109	125	137	147	155	159	160	159	155	147	137
-32.5°	66	70	74	77	78	80	80	80	78	77	74
-33.75°	44	48	52	54	56	57	57	57	56	54	52
-35°	32	33	34	34	34	35	35	35	34	34	34
-36.25°	27	28	29	29	30	30	30	30	30	29	29
-37.5°	23	24	24	25	25	25	25	25	25	25	24
-38.75°	20	20	21	21	21	21	21	21	21	21	21
-40°	16	16	17	17	18	18	18	18	18	17	17
-41.25°	11	12	12	13	13	13	13	13	13	13	12
-42.5°	9	9	9	9	9	9	9	9	9	9	9
-43.75°	8	8	8	8	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	7	7	7	7	7
-46.25°	6	6	6	6	6	6	7	6	6	6	6
-47.5°	6	6	6	6	6	6	6	6	6	6	6
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	3	3	3	3	3	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	48	44	40	35	33	32	30	29	27	25	23
32.5°	70	66	61	56	49	43	35	33	31	29	27
31.25°	125	109	91	77	71	63	55	47	38	33	31
30°	203	187	168	146	122	94	76	67	57	47	36
28.75°	293	271	246	222	196	168	137	104	77	66	55
27.5°	398	374	345	313	278	241	208	174	137	98	73
26.25°	506	480	450	415	376	334	290	244	204	164	121
25°	603	579	550	516	477	432	383	332	280	229	184
23.75°	689	668	641	608	571	527	479	424	367	307	248
22.5°	756	739	719	689	656	614	567	515	455	392	326
21.25°	809	793	775	752	726	690	648	597	540	477	407
20°	863	845	824	802	778	749	715	670	616	555	487
18.75°	926	903	878	851	824	796	766	730	683	625	560
17.5°	1004	971	940	906	873	841	808	776	737	687	625
16.25°	1097	1057	1015	969	929	890	851	814	778	737	683
15°	1222	1161	1103	1047	994	944	898	854	814	776	730
13.75°	1398	1309	1218	1136	1070	1007	949	898	851	808	766
12.5°	1622	1501	1376	1255	1158	1078	1007	944	890	841	796
11.25°	1929	1744	1566	1410	1271	1158	1070	994	929	873	824
10°	2343	2063	1807	1588	1410	1255	1136	1047	969	906	851
8.75°	2901	2476	2108	1807	1566	1376	1218	1103	1015	940	878
7.5°	3610	3001	2476	2063	1744	1501	1309	1161	1057	971	903
6.25°	4397	3610	2901	2343	1929	1622	1398	1222	1097	1004	926
5°	5190	4231	3357	2640	2127	1756	1488	1282	1131	1031	947
3.75°	5877	4826	3808	2945	2306	1864	1561	1338	1169	1054	964
2.5°	6415	5281	4154	3196	2468	1967	1617	1378	1196	1072	977
1.25°	6762	5570	4390	3351	2567	2032	1661	1403	1213	1083	986
0°	6882	5670	4474	3403	2601	2054	1676	1411	1218	1087	989
-1.25°	6762	5570	4390	3351	2567	2032	1661	1403	1213	1083	986
-2.5°	6415	5281	4154	3196	2468	1967	1617	1378	1196	1072	977
-3.75°	5877	4826	3808	2945	2306	1864	1561	1338	1169	1054	964
-5°	5190	4231	3357	2640	2127	1756	1488	1282	1131	1031	947
-6.25°	4397	3610	2901	2343	1929	1622	1398	1222	1097	1004	926
-7.5°	3610	3001	2476	2063	1744	1501	1309	1161	1057	971	903
-8.75°	2901	2476	2108	1807	1566	1376	1218	1103	1015	940	878
-10°	2343	2063	1807	1588	1410	1255	1136	1047	969	906	851
-11.25°	1929	1744	1566	1410	1271	1158	1070	994	929	873	824
-12.5°	1622	1501	1376	1255	1158	1078	1007	944	890	841	796
-13.75°	1398	1309	1218	1136	1070	1007	949	898	851	808	766
-15°	1222	1161	1103	1047	994	944	898	854	814	776	730
-16.25°	1097	1057	1015	969	929	890	851	814	778	737	683
-17.5°	1004	971	940	906	873	841	808	776	737	687	625
-18.75°	926	903	878	851	824	796	766	730	683	625	560
-20°	863	845	824	802	778	749	715	670	616	555	487
-21.25°	809	793	775	752	726	690	648	597	540	477	407



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	756	739	719	689	656	614	567	515	455	392	326
-23.75°	689	668	641	608	571	527	479	424	367	307	248
-25°	603	579	550	516	477	432	383	332	280	229	184
-26.25°	506	480	450	415	376	334	290	244	204	164	121
-27.5°	398	374	345	313	278	241	208	174	137	98	73
-28.75°	293	271	246	222	196	168	137	104	77	66	55
-30°	203	187	168	146	122	94	76	67	57	47	36
-31.25°	125	109	91	77	71	63	55	47	38	33	31
-32.5°	70	66	61	56	49	43	35	33	31	29	27
-33.75°	48	44	40	35	33	32	30	29	27	25	23
-35°	33	32	31	30	29	27	26	25	23	22	20
-36.25°	28	27	26	25	24	23	22	21	20	19	17
-37.5°	24	23	23	22	21	20	19	18	16	15	13
-38.75°	20	20	19	18	17	16	15	14	12	11	9
-40°	16	16	15	14	13	12	11	10	9	9	8
-41.25°	12	11	11	10	9	9	9	8	8	8	8
-42.5°	9	9	8	8	8	8	8	8	7	7	7
-43.75°	8	8	8	8	7	7	7	7	7	6	6
-45°	7	7	7	7	7	6	6	6	6	6	6
-46.25°	6	6	6	6	6	6	6	5	5	5	5
-47.5°	6	6	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	5	5	5	5	5	5	5	5	5	5	4
-52.5°	5	5	5	5	5	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	3
-61.25°	4	4	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	3	3	3	3	3	3	3	3	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	22	20	18	16	14	11	9	8	8	7	7
32.5°	25	23	21	19	17	15	12	10	9	8	8
31.25°	29	26	24	22	20	18	15	13	10	9	8
30°	33	30	28	25	23	21	18	16	13	10	9
28.75°	43	34	31	28	26	23	21	18	16	13	10
27.5°	61	49	35	32	29	26	23	21	18	15	12
26.25°	79	66	52	38	32	29	26	23	21	18	15
25°	137	89	68	54	39	32	29	26	23	20	17
23.75°	198	147	95	69	54	38	32	28	25	22	19
22.5°	261	205	151	95	68	52	35	31	28	24	21
21.25°	336	266	205	147	89	66	49	34	30	26	23
20°	412	336	261	198	137	79	61	43	33	29	25
18.75°	487	407	326	248	184	121	73	55	36	31	27
17.5°	555	477	392	307	229	164	98	66	47	33	29
16.25°	616	540	455	367	280	204	137	77	57	38	31
15°	670	597	515	424	332	244	174	104	67	47	33
13.75°	715	648	567	479	383	290	208	137	76	55	35
12.5°	749	690	614	527	432	334	241	168	94	63	43
11.25°	778	726	656	571	477	376	278	196	122	71	49
10°	802	752	689	608	516	415	313	222	146	77	56
8.75°	824	775	719	641	550	450	345	246	168	91	61
7.5°	845	793	739	668	579	480	374	271	187	109	66
6.25°	863	809	756	689	603	506	398	293	203	125	70
5°	880	822	770	707	623	526	419	311	217	137	74
3.75°	893	833	780	721	638	541	435	326	227	147	77
2.5°	902	841	787	729	649	553	447	337	235	155	78
1.25°	908	846	791	733	656	559	454	343	239	159	80
0°	910	847	792	735	658	562	456	345	241	160	80
-1.25°	908	846	791	733	656	559	454	343	239	159	80
-2.5°	902	841	787	729	649	553	447	337	235	155	78
-3.75°	893	833	780	721	638	541	435	326	227	147	77
-5°	880	822	770	707	623	526	419	311	217	137	74
-6.25°	863	809	756	689	603	506	398	293	203	125	70
-7.5°	845	793	739	668	579	480	374	271	187	109	66
-8.75°	824	775	719	641	550	450	345	246	168	91	61
-10°	802	752	689	608	516	415	313	222	146	77	56
-11.25°	778	726	656	571	477	376	278	196	122	71	49
-12.5°	749	690	614	527	432	334	241	168	94	63	43
-13.75°	715	648	567	479	383	290	208	137	76	55	35
-15°	670	597	515	424	332	244	174	104	67	47	33
-16.25°	616	540	455	367	280	204	137	77	57	38	31
-17.5°	555	477	392	307	229	164	98	66	47	33	29
-18.75°	487	407	326	248	184	121	73	55	36	31	27
-20°	412	336	261	198	137	79	61	43	33	29	25
-21.25°	336	266	205	147	89	66	49	34	30	26	23





REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	261	205	151	95	68	52	35	31	28	24	21
-23.75°	198	147	95	69	54	38	32	28	25	22	19
-25°	137	89	68	54	39	32	29	26	23	20	17
-26.25°	79	66	52	38	32	29	26	23	21	18	15
-27.5°	61	49	35	32	29	26	23	21	18	15	12
-28.75°	43	34	31	28	26	23	21	18	16	13	10
-30°	33	30	28	25	23	21	18	16	13	10	9
-31.25°	29	26	24	22	20	18	15	13	10	9	8
-32.5°	25	23	21	19	17	15	12	10	9	8	8
-33.75°	22	20	18	16	14	11	9	8	8	7	7
-35°	19	17	15	13	10	9	8	8	7	7	6
-36.25°	15	13	11	9	9	8	8	7	7	6	6
-37.5°	11	10	9	8	8	8	7	7	6	6	6
-38.75°	9	8	8	8	7	7	7	6	6	5	5
-40°	8	8	7	7	7	6	6	6	5	5	5
-41.25°	7	7	7	6	6	6	5	5	5	5	5
-42.5°	7	6	6	6	5	5	5	5	5	5	5
-43.75°	6	6	5	5	5	5	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	4	4
-47.5°	5	5	5	5	5	5	5	4	4	4	4
-48.75°	5	5	5	5	5	4	4	4	4	4	4
-50°	5	5	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	3	3
-57.5°	4	4	4	4	4	4	4	3	3	3	3
-58.75°	4	4	4	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	2	2	2
-65°	3	3	3	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	6	6	6	5	5	5	5	5	5	4	4
32.5°	7	6	6	6	5	5	5	5	5	5	4
31.25°	7	7	6	6	5	5	5	5	5	5	4
30°	8	7	7	6	6	5	5	5	5	5	5
28.75°	8	8	7	7	6	6	5	5	5	5	5
27.5°	9	8	8	7	7	6	5	5	5	5	5
26.25°	11	9	8	8	7	6	6	5	5	5	5
25°	14	10	9	8	7	7	6	5	5	5	5
23.75°	16	13	9	8	8	7	6	6	5	5	5
22.5°	18	15	11	9	8	7	7	6	5	5	5
21.25°	20	17	13	10	8	8	7	6	6	5	5
20°	22	19	15	11	9	8	7	7	6	5	5
18.75°	23	20	17	13	9	8	8	7	6	6	5
17.5°	25	22	19	15	11	9	8	7	6	6	5
16.25°	27	23	20	16	12	9	8	7	7	6	5
15°	29	25	21	18	14	10	8	8	7	6	5
13.75°	30	26	22	19	15	11	9	8	7	6	6
12.5°	32	27	23	20	16	12	9	8	7	6	6
11.25°	33	29	24	21	17	13	9	8	7	7	6
10°	35	30	25	22	18	14	10	8	8	7	6
8.75°	40	31	26	23	19	15	11	8	8	7	6
7.5°	44	32	27	23	20	16	11	9	8	7	6
6.25°	48	33	28	24	20	16	12	9	8	7	6
5°	52	34	29	24	21	17	12	9	8	7	6
3.75°	54	34	29	25	21	17	13	9	8	7	6
2.5°	56	34	30	25	21	18	13	9	8	7	6
1.25°	57	35	30	25	21	18	13	9	8	7	6
0°	57	35	30	25	21	18	13	9	8	7	6
-1.25°	57	35	30	25	21	18	13	9	8	7	6
-2.5°	56	34	30	25	21	18	13	9	8	7	6
-3.75°	54	34	29	25	21	17	13	9	8	7	6
-5°	52	34	29	24	21	17	12	9	8	7	6
-6.25°	48	33	28	24	20	16	12	9	8	7	6
-7.5°	44	32	27	23	20	16	11	9	8	7	6
-8.75°	40	31	26	23	19	15	11	8	8	7	6
-10°	35	30	25	22	18	14	10	8	8	7	6
-11.25°	33	29	24	21	17	13	9	8	7	7	6
-12.5°	32	27	23	20	16	12	9	8	7	6	6
-13.75°	30	26	22	19	15	11	9	8	7	6	6
-15°	29	25	21	18	14	10	8	8	7	6	5
-16.25°	27	23	20	16	12	9	8	7	7	6	5
-17.5°	25	22	19	15	11	9	8	7	6	6	5
-18.75°	23	20	17	13	9	8	8	7	6	6	5
-20°	22	19	15	11	9	8	7	7	6	5	5
-21.25°	20	17	13	10	8	8	7	6	6	5	5



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	18	15	11	9	8	7	7	6	5	5	5
-23.75°	16	13	9	8	8	7	6	6	5	5	5
-25°	14	10	9	8	7	7	6	5	5	5	5
-26.25°	11	9	8	8	7	6	6	5	5	5	5
-27.5°	9	8	8	7	7	6	5	5	5	5	5
-28.75°	8	8	7	7	6	6	5	5	5	5	5
-30°	8	7	7	6	6	5	5	5	5	5	5
-31.25°	7	7	6	6	5	5	5	5	5	5	4
-32.5°	7	6	6	6	5	5	5	5	5	5	4
-33.75°	6	6	6	5	5	5	5	5	5	4	4
-35°	6	6	5	5	5	5	5	5	4	4	4
-36.25°	6	5	5	5	5	5	5	4	4	4	4
-37.5°	5	5	5	5	5	5	5	4	4	4	4
-38.75°	5	5	5	5	5	5	4	4	4	4	4
-40°	5	5	5	5	5	4	4	4	4	4	4
-41.25°	5	5	5	5	4	4	4	4	4	4	4
-42.5°	5	5	4	4	4	4	4	4	4	4	4
-43.75°	5	4	4	4	4	4	4	4	4	4	4
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	3
-48.75°	4	4	4	4	4	4	4	4	4	3	3
-50°	4	4	4	4	4	4	4	3	3	3	3
-51.25°	4	4	4	4	4	4	3	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	3	3
-53.75°	4	4	4	3	3	3	3	3	3	3	3
-55°	4	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	2
-57.5°	3	3	3	3	3	3	3	3	3	2	2
-58.75°	3	3	3	3	3	3	3	2	2	2	2
-60°	3	3	3	3	3	2	2	2	2	2	2
-61.25°	3	3	3	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	1
-70°	2	2	2	2	2	2	2	1	1	1	1
-71.25°	2	2	2	2	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220652 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)