

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: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE  
FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

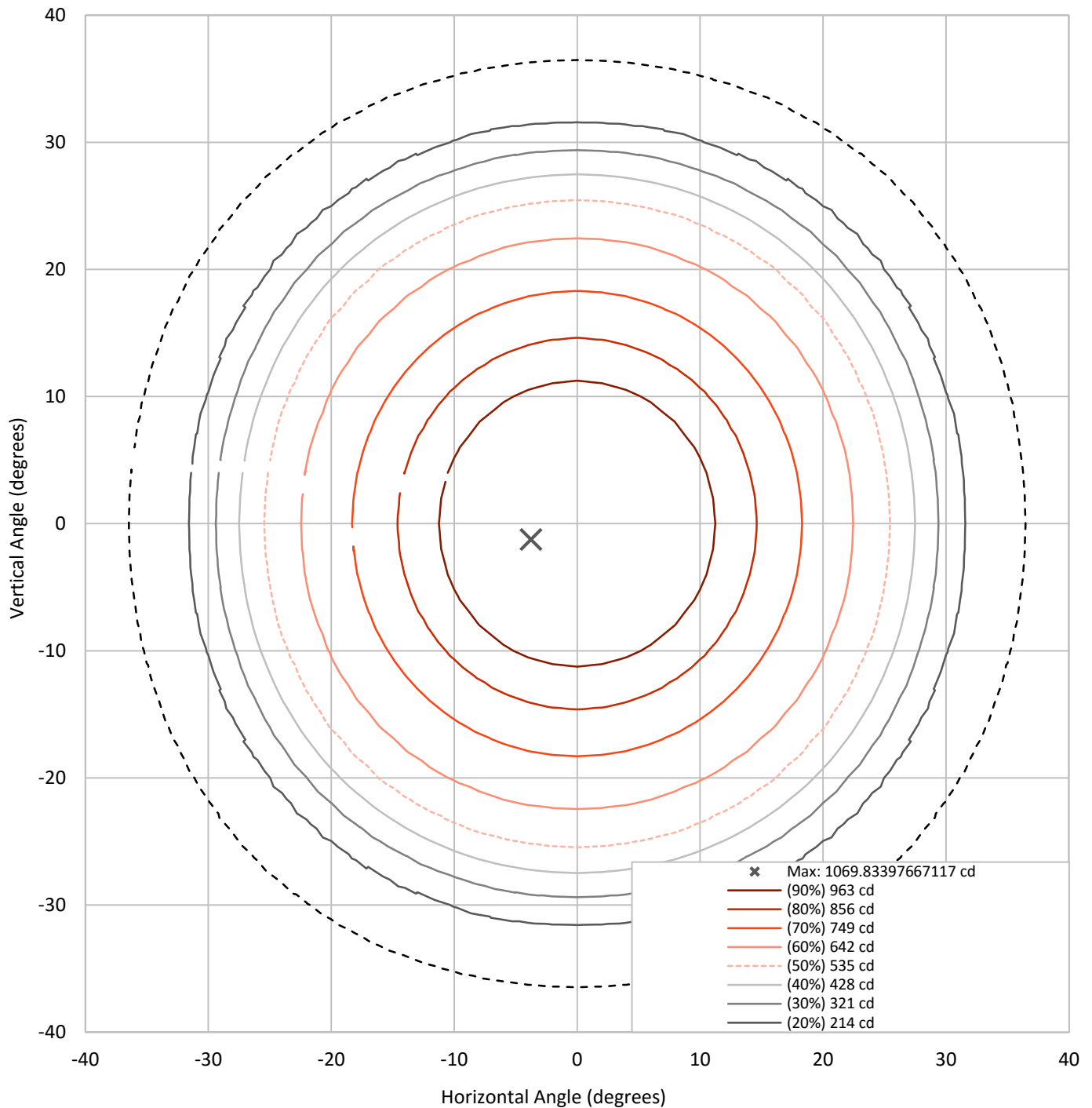
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	713.8 lumens	Max Intensity:	1069.8 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	72.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	51°H x 50.5°V	Field Angle (10%):	72.8°H x 72.6°V
Beam Lumens:	480.8 lumens	Field Lumens:	641.3 lumens
Beam Efficiency:	67.4%	Field Efficiency:	89.8%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

### Iso-Candela Plot





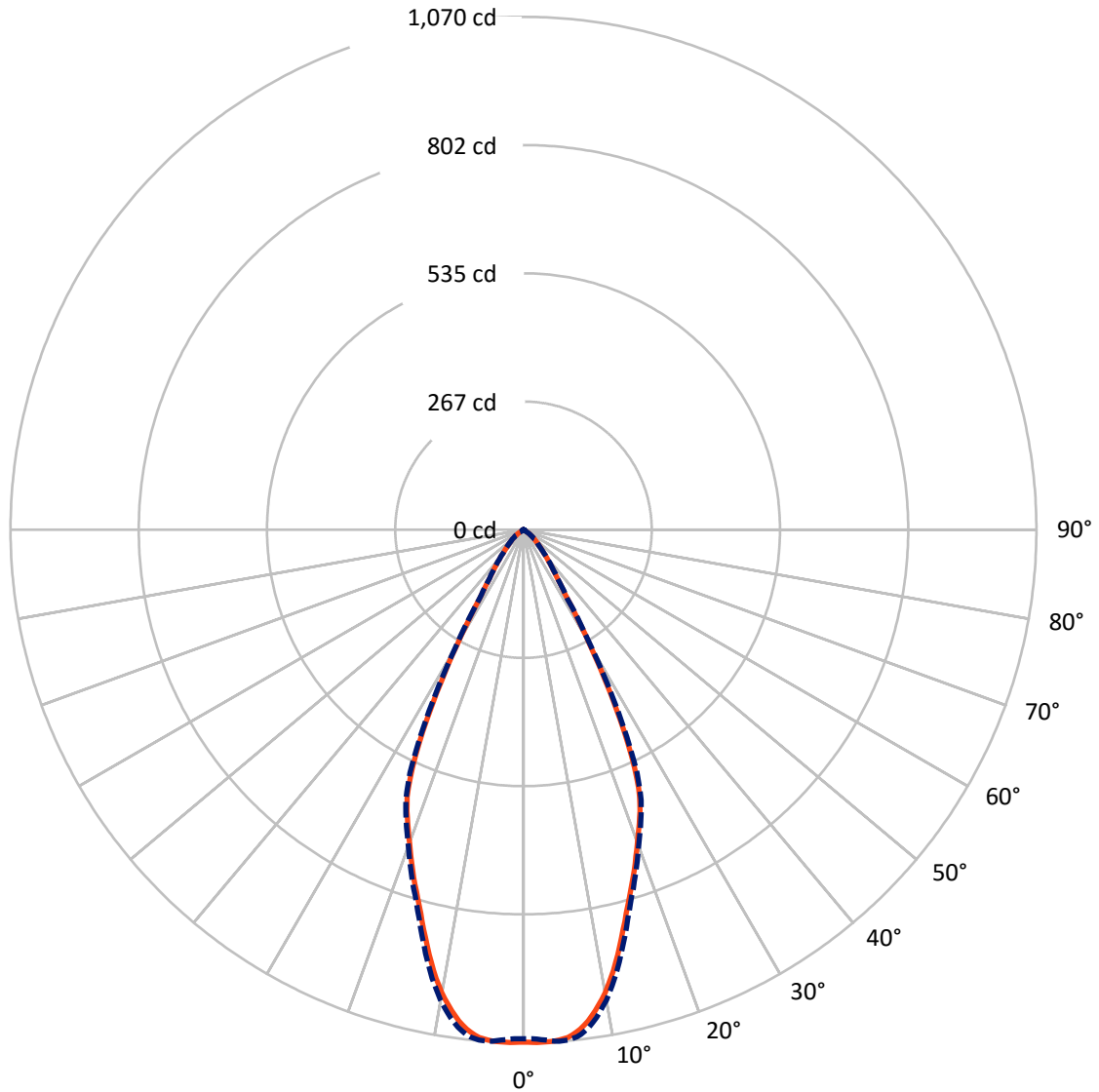
REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

90																			
80	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0										
70																			
60	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0			0.0	
50																			
40	0.0	0.0	0.1	0.3	0.8	1.1	1.4	1.4	1.1	0.8	0.3	0.1	0.0	0.0				0.0	
30																			
20	0.0	0.0	0.1	0.6	1.5	4.0	10.3	15.4	15.4	10.3	4.0	1.5	0.6	0.1	0.0			0.0	
10																			
0	0.0	0.0	0.2	1.0	3.4	14.1	24.0	31.2	31.2	24.0	14.1	3.4	1.0	0.2	0.0			0.0	
-10																			
-20	0.0	0.0	0.2	0.8	2.5	9.7	19.6	24.7	24.7	19.6	9.7	2.5	0.8	0.2	0.0			0.0	
-30																			
-40	0.0	0.0	0.1	0.3	0.8	1.1	1.4	1.4	1.1	0.8	0.3	0.1	0.0	0.0				0.0	
-50																			
-60	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.0				0.0	
-70																			
-80	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				0.0	
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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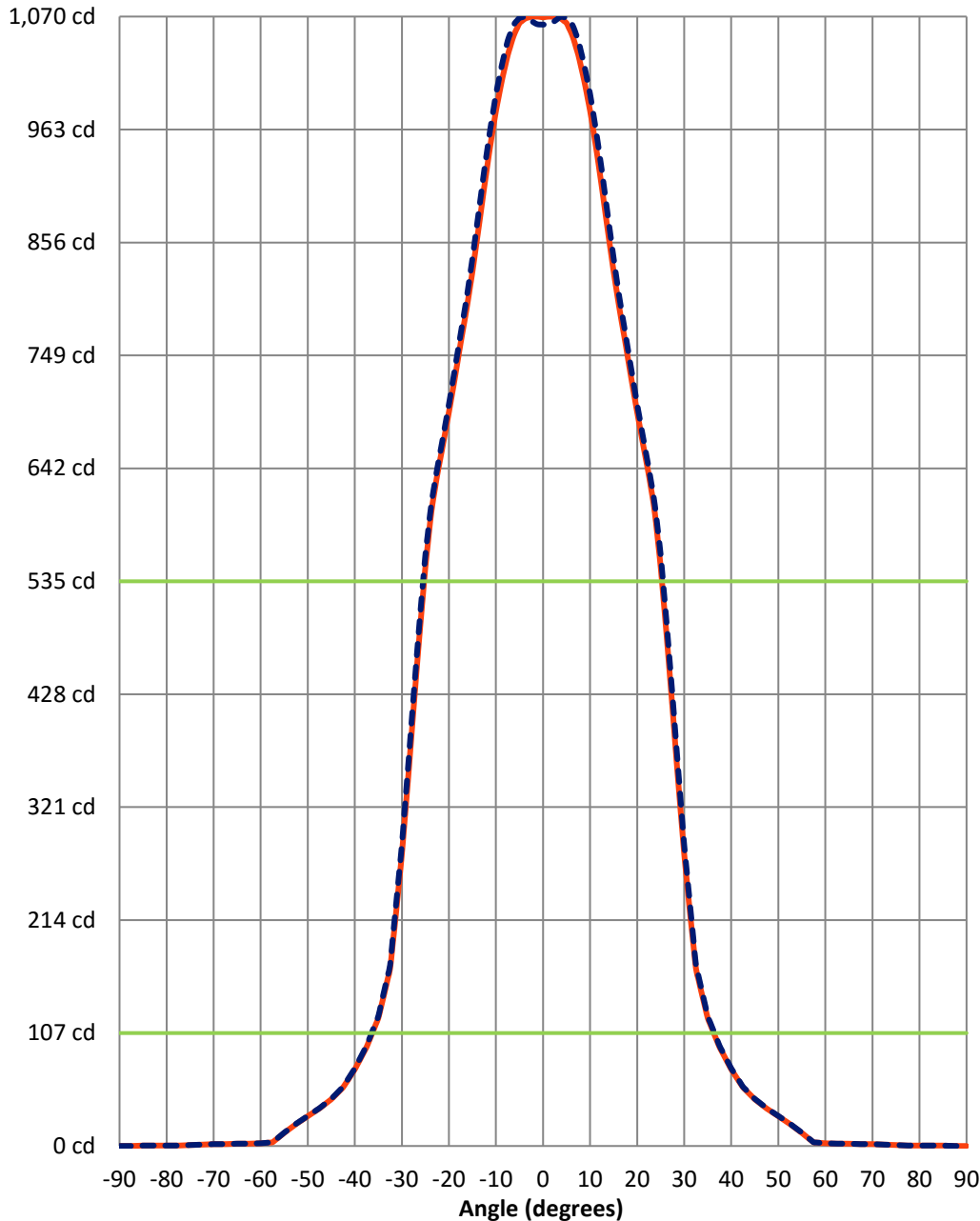
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 50.5°  
 Lumens: 480.8  
 Efficiency: 67.4%

**Field:**  
 H Angle: 72.8°  
 V Angle: 72.6°  
 Lumens: 641.3  
 Efficiency: 89.8%

**Spill:**  
 Lumens: 72.5  
 Efficiency: 10.2%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	2	2	2	2	2	2	2	3	3	3	3
32.5°	2	2	2	2	2	2	2	3	3	3	5
31.25°	2	2	2	2	2	2	2	3	3	3	7
30°	2	2	2	2	2	2	3	3	3	5	8
28.75°	2	2	2	2	2	2	3	3	3	6	10
27.5°	2	2	2	2	2	3	3	3	4	8	12
26.25°	2	2	2	2	2	3	3	3	6	10	13
25°	2	2	2	2	2	3	3	3	7	11	15
23.75°	2	2	2	2	3	3	3	4	9	13	16
22.5°	2	2	2	2	3	3	3	6	10	14	17
21.25°	2	2	2	2	3	3	3	7	11	15	19
20°	2	2	2	2	3	3	4	8	12	16	20
18.75°	2	2	2	3	3	3	5	9	13	17	21
17.5°	2	2	2	3	3	3	6	10	14	18	22
16.25°	2	2	2	3	3	3	7	11	15	19	23
15°	2	2	2	3	3	3	8	12	16	20	24
13.75°	2	2	2	3	3	4	8	13	17	21	24
12.5°	2	2	2	3	3	5	9	14	18	22	25
11.25°	2	2	2	3	3	5	10	14	18	22	26
10°	2	2	3	3	3	6	10	15	19	23	26
8.75°	2	2	3	3	3	6	11	15	19	23	27
7.5°	2	2	3	3	3	7	11	16	20	24	27
6.25°	2	2	3	3	3	7	12	16	20	24	28
5°	2	2	3	3	3	8	12	16	20	24	28
3.75°	2	2	3	3	3	8	12	17	21	24	28
2.5°	2	2	3	3	3	8	13	17	21	25	28
1.25°	2	2	3	3	3	8	13	17	21	25	28
0°	2	2	3	3	4	8	13	17	21	25	29
-1.25°	2	2	3	3	3	8	13	17	21	25	28
-2.5°	2	2	3	3	3	8	13	17	21	25	28
-3.75°	2	2	3	3	3	8	12	17	21	24	28
-5°	2	2	3	3	3	8	12	16	20	24	28
-6.25°	2	2	3	3	3	7	12	16	20	24	28
-7.5°	2	2	3	3	3	7	11	16	20	24	27
-8.75°	2	2	3	3	3	6	11	15	19	23	27
-10°	2	2	3	3	3	6	10	15	19	23	26
-11.25°	2	2	2	3	3	5	10	14	18	22	26
-12.5°	2	2	2	3	3	5	9	14	18	22	25
-13.75°	2	2	2	3	3	4	8	13	17	21	24
-15°	2	2	2	3	3	3	8	12	16	20	24
-16.25°	2	2	2	3	3	3	7	11	15	19	23
-17.5°	2	2	2	3	3	3	6	10	14	18	22
-18.75°	2	2	2	3	3	3	5	9	13	17	21
-20°	2	2	2	2	3	3	4	8	12	16	20
-21.25°	2	2	2	2	3	3	3	7	11	15	19





REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	2	2	2	3	3	3	6	10	14	17
-23.75°	2	2	2	2	3	3	3	4	9	13	16
-25°	2	2	2	2	2	3	3	3	7	11	15
-26.25°	2	2	2	2	2	3	3	3	6	10	13
-27.5°	2	2	2	2	2	3	3	3	4	8	12
-28.75°	2	2	2	2	2	2	3	3	3	6	10
-30°	2	2	2	2	2	2	3	3	3	5	8
-31.25°	2	2	2	2	2	2	2	3	3	3	7
-32.5°	2	2	2	2	2	2	2	3	3	3	5
-33.75°	2	2	2	2	2	2	2	3	3	3	3
-35°	2	2	2	2	2	2	2	2	3	3	3
-36.25°	2	2	2	2	2	2	2	2	3	3	3
-37.5°	2	2	2	2	2	2	2	2	2	3	3
-38.75°	2	2	2	2	2	2	2	2	2	2	3
-40°	2	2	2	2	2	2	2	2	2	2	3
-41.25°	2	2	2	2	2	2	2	2	2	2	2
-42.5°	2	2	2	2	2	2	2	2	2	2	2
-43.75°	2	2	2	2	2	2	2	2	2	2	2
-45°	2	2	2	2	2	2	2	2	2	2	2
-46.25°	2	2	2	2	2	2	2	2	2	2	2
-47.5°	1	2	2	2	2	2	2	2	2	2	2
-48.75°	1	1	2	2	2	2	2	2	2	2	2
-50°	1	1	2	2	2	2	2	2	2	2	2
-51.25°	1	1	1	2	2	2	2	2	2	2	2
-52.5°	1	1	1	1	2	2	2	2	2	2	2
-53.75°	1	1	1	1	2	2	2	2	2	2	2
-55°	1	1	1	1	1	2	2	2	2	2	2
-56.25°	1	1	1	1	1	1	2	2	2	2	2
-57.5°	1	1	1	1	1	1	1	2	2	2	2
-58.75°	1	1	1	1	1	1	1	1	1	2	2
-60°	1	1	1	1	1	1	1	1	1	1	2
-61.25°	0	1	1	1	1	1	1	1	1	1	1
-62.5°	0	0	1	1	1	1	1	1	1	1	1
-63.75°	0	0	0	1	1	1	1	1	1	1	1
-65°	0	0	0	0	1	1	1	1	1	1	1
-66.25°	0	0	0	0	0	0	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	6	10	13	16	19	22	25	27	30	32	35
32.5°	8	12	15	18	21	24	27	29	32	34	37
31.25°	10	14	17	20	23	26	28	31	34	37	40
30°	12	15	19	22	25	28	30	33	36	39	42
28.75°	14	17	20	23	26	29	32	35	38	41	45
27.5°	15	19	22	25	28	31	34	37	40	44	48
26.25°	17	20	23	27	30	33	36	39	43	46	51
25°	18	22	25	28	31	34	37	41	45	49	54
23.75°	20	23	26	29	33	36	39	43	47	52	57
22.5°	21	24	28	31	34	37	41	45	50	54	61
21.25°	22	26	29	32	35	39	43	47	52	57	65
20°	23	27	30	33	37	41	45	49	54	61	69
18.75°	24	28	31	35	38	42	46	52	57	64	72
17.5°	25	29	32	36	40	44	48	54	60	68	76
16.25°	26	30	33	37	41	45	50	55	63	71	80
15°	27	31	34	38	42	47	52	58	66	74	84
13.75°	28	31	35	39	43	48	53	60	68	77	87
12.5°	29	32	36	40	44	49	55	62	71	80	90
11.25°	29	33	37	41	45	51	56	65	73	83	93
10°	30	34	37	42	46	52	58	66	75	85	96
8.75°	30	34	38	42	47	53	60	68	77	88	99
7.5°	31	35	39	43	48	54	61	70	79	90	102
6.25°	31	35	39	44	49	54	62	71	81	91	104
5°	32	35	40	44	49	55	63	72	82	93	106
3.75°	32	36	40	44	50	55	64	73	83	94	107
2.5°	32	36	40	45	50	56	64	73	84	94	108
1.25°	32	36	40	45	50	56	65	73	84	95	109
0°	32	36	40	45	50	56	65	74	84	95	109
-1.25°	32	36	40	45	50	56	65	73	84	95	109
-2.5°	32	36	40	45	50	56	64	73	84	94	108
-3.75°	32	36	40	44	50	55	64	73	83	94	107
-5°	32	35	40	44	49	55	63	72	82	93	106
-6.25°	31	35	39	44	49	54	62	71	81	91	104
-7.5°	31	35	39	43	48	54	61	70	79	90	102
-8.75°	30	34	38	42	47	53	60	68	77	88	99
-10°	30	34	37	42	46	52	58	66	75	85	96
-11.25°	29	33	37	41	45	51	56	65	73	83	93
-12.5°	29	32	36	40	44	49	55	62	71	80	90
-13.75°	28	31	35	39	43	48	53	60	68	77	87
-15°	27	31	34	38	42	47	52	58	66	74	84
-16.25°	26	30	33	37	41	45	50	55	63	71	80
-17.5°	25	29	32	36	40	44	48	54	60	68	76
-18.75°	24	28	31	35	38	42	46	52	57	64	72
-20°	23	27	30	33	37	41	45	49	54	61	69
-21.25°	22	26	29	32	35	39	43	47	52	57	65



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	21	24	28	31	34	37	41	45	50	54	61
-23.75°	20	23	26	29	33	36	39	43	47	52	57
-25°	18	22	25	28	31	34	37	41	45	49	54
-26.25°	17	20	23	27	30	33	36	39	43	46	51
-27.5°	15	19	22	25	28	31	34	37	40	44	48
-28.75°	14	17	20	23	26	29	32	35	38	41	45
-30°	12	15	19	22	25	28	30	33	36	39	42
-31.25°	10	14	17	20	23	26	28	31	34	37	40
-32.5°	8	12	15	18	21	24	27	29	32	34	37
-33.75°	6	10	13	16	19	22	25	27	30	32	35
-35°	4	8	11	14	17	20	23	25	28	30	32
-36.25°	3	5	9	12	15	18	20	23	25	28	30
-37.5°	3	3	6	9	13	15	18	21	23	26	28
-38.75°	3	3	4	7	10	13	16	18	21	23	25
-40°	3	3	3	5	8	10	13	16	18	21	23
-41.25°	3	3	3	3	5	8	11	13	16	18	20
-42.5°	2	3	3	3	3	5	8	10	13	15	18
-43.75°	2	2	3	3	3	3	5	8	10	13	15
-45°	2	2	2	3	3	3	3	5	7	9	12
-46.25°	2	2	2	2	3	3	3	3	4	6	9
-47.5°	2	2	2	2	2	3	3	3	3	3	5
-48.75°	2	2	2	2	2	2	3	3	3	3	3
-50°	2	2	2	2	2	2	2	3	3	3	3
-51.25°	2	2	2	2	2	2	2	2	2	3	3
-52.5°	2	2	2	2	2	2	2	2	2	2	3
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	1	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	2	2	2	2	2	2	2
-65°	1	1	1	1	1	1	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	1
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	2	2	2	2	2	2
67.5°	1	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	3	3
56.25°	2	2	2	2	2	2	3	3	3	3	3
55°	2	2	2	2	3	3	3	3	3	3	3
53.75°	2	3	3	3	3	3	3	3	3	4	6
52.5°	3	3	3	3	3	3	4	6	7	9	10
51.25°	3	3	3	3	5	6	8	10	11	13	14
50°	3	3	5	7	8	10	12	13	15	16	17
48.75°	4	6	8	10	12	14	15	17	18	20	21
47.5°	8	10	12	14	15	17	19	20	22	23	24
46.25°	11	13	15	17	19	20	22	23	25	26	28
45°	14	16	18	20	22	23	25	27	28	29	31
43.75°	17	19	21	23	25	26	28	30	31	33	34
42.5°	20	22	24	26	28	29	31	33	34	36	37
41.25°	23	25	27	28	30	32	34	36	37	39	41
40°	25	27	29	31	33	35	37	39	41	43	45
38.75°	28	30	32	34	36	38	40	43	45	47	50
37.5°	30	32	34	37	39	41	44	46	49	52	54
36.25°	32	35	37	40	42	45	48	51	54	57	61
35°	35	37	40	43	46	49	52	55	59	64	68



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	37	40	43	46	50	53	56	61	66	71	75
32.5°	40	43	46	50	53	57	63	68	73	78	84
31.25°	43	46	50	54	58	63	69	74	80	86	92
30°	46	50	53	58	64	69	75	82	88	95	102
28.75°	49	53	57	63	69	76	83	89	96	105	113
27.5°	52	56	63	69	75	83	90	97	106	115	124
26.25°	55	61	68	74	82	89	97	107	116	127	142
25°	59	66	73	80	88	96	106	116	128	144	159
23.75°	64	71	78	86	95	105	115	127	144	160	183
22.5°	68	75	84	92	102	113	124	142	159	183	222
21.25°	72	80	89	99	110	121	138	156	178	220	260
20°	76	85	94	106	117	132	152	171	213	255	300
18.75°	81	90	101	113	125	145	165	201	246	291	343
17.5°	85	95	107	119	137	157	184	231	277	331	387
16.25°	90	100	113	126	147	168	212	260	312	370	428
15°	93	106	118	136	158	189	239	288	347	408	467
13.75°	98	110	123	145	167	212	263	319	381	443	502
12.5°	102	115	131	154	182	234	286	349	413	475	532
11.25°	106	119	139	162	201	254	312	377	442	504	560
10°	109	123	146	169	219	273	335	402	468	529	581
8.75°	113	128	152	179	234	289	356	424	490	550	600
7.5°	115	133	157	192	248	307	375	444	510	568	612
6.25°	118	138	161	204	259	322	391	461	525	581	622
5°	120	141	165	213	269	334	405	474	538	592	630
3.75°	121	144	168	220	277	343	415	484	548	601	635
2.5°	122	146	170	225	282	351	422	492	556	606	639
1.25°	123	147	171	228	285	355	427	496	560	608	641
0°	123	148	172	229	286	356	429	498	562	609	642
-1.25°	123	147	171	228	285	355	427	496	560	608	641
-2.5°	122	146	170	225	282	351	422	492	556	606	639
-3.75°	121	144	168	220	277	343	415	484	548	601	635
-5°	120	141	165	213	269	334	405	474	538	592	630
-6.25°	118	138	161	204	259	322	391	461	525	581	622
-7.5°	115	133	157	192	248	307	375	444	510	568	612
-8.75°	113	128	152	179	234	289	356	424	490	550	600
-10°	109	123	146	169	219	273	335	402	468	529	581
-11.25°	106	119	139	162	201	254	312	377	442	504	560
-12.5°	102	115	131	154	182	234	286	349	413	475	532
-13.75°	98	110	123	145	167	212	263	319	381	443	502
-15°	93	106	118	136	158	189	239	288	347	408	467
-16.25°	90	100	113	126	147	168	212	260	312	370	428
-17.5°	85	95	107	119	137	157	184	231	277	331	387
-18.75°	81	90	101	113	125	145	165	201	246	291	343
-20°	76	85	94	106	117	132	152	171	213	255	300
-21.25°	72	80	89	99	110	121	138	156	178	220	260





REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	68	75	84	92	102	113	124	142	159	183	222
-23.75°	64	71	78	86	95	105	115	127	144	160	183
-25°	59	66	73	80	88	96	106	116	128	144	159
-26.25°	55	61	68	74	82	89	97	107	116	127	142
-27.5°	52	56	63	69	75	83	90	97	106	115	124
-28.75°	49	53	57	63	69	76	83	89	96	105	113
-30°	46	50	53	58	64	69	75	82	88	95	102
-31.25°	43	46	50	54	58	63	69	74	80	86	92
-32.5°	40	43	46	50	53	57	63	68	73	78	84
-33.75°	37	40	43	46	50	53	56	61	66	71	75
-35°	35	37	40	43	46	49	52	55	59	64	68
-36.25°	32	35	37	40	42	45	48	51	54	57	61
-37.5°	30	32	34	37	39	41	44	46	49	52	54
-38.75°	28	30	32	34	36	38	40	43	45	47	50
-40°	25	27	29	31	33	35	37	39	41	43	45
-41.25°	23	25	27	28	30	32	34	36	37	39	41
-42.5°	20	22	24	26	28	29	31	33	34	36	37
-43.75°	17	19	21	23	25	26	28	30	31	33	34
-45°	14	16	18	20	22	23	25	27	28	29	31
-46.25°	11	13	15	17	19	20	22	23	25	26	28
-47.5°	8	10	12	14	15	17	19	20	22	23	24
-48.75°	4	6	8	10	12	14	15	17	18	20	21
-50°	3	3	5	7	8	10	12	13	15	16	17
-51.25°	3	3	3	3	5	6	8	10	11	13	14
-52.5°	3	3	3	3	3	3	4	6	7	9	10
-53.75°	2	3	3	3	3	3	3	3	3	4	6
-55°	2	2	2	2	3	3	3	3	3	3	3
-56.25°	2	2	2	2	2	2	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	2	2	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	2	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	1	1	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	0	1	1	1	1	1	1
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	3	3
58.75°	2	2	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	4	5	5	6	6
55°	3	4	5	6	7	8	8	9	10	10	11
53.75°	7	8	9	10	11	12	13	14	14	15	15
52.5°	11	12	13	14	15	16	17	18	18	19	19
51.25°	15	16	17	18	19	20	21	22	22	23	23
50°	19	20	21	22	23	24	24	25	26	26	27
48.75°	22	23	24	25	26	27	28	29	29	30	30
47.5°	26	27	28	29	30	31	31	32	33	34	34
46.25°	29	30	31	32	33	34	35	36	37	37	38
45°	32	33	35	36	37	38	39	40	41	42	42
43.75°	35	37	38	40	41	42	43	44	45	46	47
42.5°	39	41	42	44	45	47	48	49	51	52	53
41.25°	43	45	46	48	50	52	53	55	56	58	60
40°	47	49	52	54	55	58	60	62	65	66	68
38.75°	52	54	57	60	63	66	68	71	73	75	77
37.5°	57	61	64	68	71	74	77	80	83	85	88
36.25°	65	69	72	76	80	84	87	90	93	96	99
35°	72	76	81	85	90	93	98	102	106	109	113



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	80	85	90	95	100	106	110	115	119	123	128
32.5°	89	94	101	107	113	118	123	131	139	146	152
31.25°	99	106	113	119	126	136	145	154	162	169	179
30°	110	117	125	137	147	158	167	182	201	219	234
28.75°	121	132	145	157	168	189	212	234	254	273	289
27.5°	138	152	165	184	212	239	263	286	312	335	356
26.25°	156	171	201	231	260	288	319	349	377	402	424
25°	178	213	246	277	312	347	381	413	442	468	490
23.75°	220	255	291	331	370	408	443	475	504	529	550
22.5°	260	300	343	387	428	467	502	532	560	581	600
21.25°	303	350	397	442	483	521	555	582	604	619	633
20°	350	400	449	493	534	569	598	618	634	648	660
18.75°	397	449	497	540	577	607	627	644	660	674	688
17.5°	442	493	540	580	611	633	651	669	686	702	717
16.25°	483	534	577	611	634	655	674	694	712	730	747
15°	521	569	607	633	655	676	697	718	739	759	775
13.75°	555	598	627	651	674	697	721	744	766	785	804
12.5°	582	618	644	669	694	718	744	768	790	812	836
11.25°	604	634	660	686	712	739	766	790	815	842	868
10°	619	648	674	702	730	759	785	812	842	872	901
8.75°	633	660	688	717	747	775	804	836	868	901	931
7.5°	643	671	700	730	762	791	823	857	893	927	957
6.25°	651	681	711	742	774	805	840	877	914	949	979
5°	659	689	720	753	784	817	855	894	933	967	997
3.75°	665	695	727	761	793	828	867	908	947	981	1009
2.5°	669	700	732	766	799	836	876	918	956	990	1019
1.25°	672	703	736	770	803	841	882	924	962	996	1024
0°	672	704	737	771	804	843	884	926	964	999	1026
-1.25°	672	703	736	770	803	841	882	924	962	996	1024
-2.5°	669	700	732	766	799	836	876	918	956	990	1019
-3.75°	665	695	727	761	793	828	867	908	947	981	1009
-5°	659	689	720	753	784	817	855	894	933	967	997
-6.25°	651	681	711	742	774	805	840	877	914	949	979
-7.5°	643	671	700	730	762	791	823	857	893	927	957
-8.75°	633	660	688	717	747	775	804	836	868	901	931
-10°	619	648	674	702	730	759	785	812	842	872	901
-11.25°	604	634	660	686	712	739	766	790	815	842	868
-12.5°	582	618	644	669	694	718	744	768	790	812	836
-13.75°	555	598	627	651	674	697	721	744	766	785	804
-15°	521	569	607	633	655	676	697	718	739	759	775
-16.25°	483	534	577	611	634	655	674	694	712	730	747
-17.5°	442	493	540	580	611	633	651	669	686	702	717
-18.75°	397	449	497	540	577	607	627	644	660	674	688
-20°	350	400	449	493	534	569	598	618	634	648	660
-21.25°	303	350	397	442	483	521	555	582	604	619	633



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	260	300	343	387	428	467	502	532	560	581	600
-23.75°	220	255	291	331	370	408	443	475	504	529	550
-25°	178	213	246	277	312	347	381	413	442	468	490
-26.25°	156	171	201	231	260	288	319	349	377	402	424
-27.5°	138	152	165	184	212	239	263	286	312	335	356
-28.75°	121	132	145	157	168	189	212	234	254	273	289
-30°	110	117	125	137	147	158	167	182	201	219	234
-31.25°	99	106	113	119	126	136	145	154	162	169	179
-32.5°	89	94	101	107	113	118	123	131	139	146	152
-33.75°	80	85	90	95	100	106	110	115	119	123	128
-35°	72	76	81	85	90	93	98	102	106	109	113
-36.25°	65	69	72	76	80	84	87	90	93	96	99
-37.5°	57	61	64	68	71	74	77	80	83	85	88
-38.75°	52	54	57	60	63	66	68	71	73	75	77
-40°	47	49	52	54	55	58	60	62	65	66	68
-41.25°	43	45	46	48	50	52	53	55	56	58	60
-42.5°	39	41	42	44	45	47	48	49	51	52	53
-43.75°	35	37	38	40	41	42	43	44	45	46	47
-45°	32	33	35	36	37	38	39	40	41	42	42
-46.25°	29	30	31	32	33	34	35	36	37	37	38
-47.5°	26	27	28	29	30	31	31	32	33	34	34
-48.75°	22	23	24	25	26	27	28	29	29	30	30
-50°	19	20	21	22	23	24	24	25	26	26	27
-51.25°	15	16	17	18	19	20	21	22	22	23	23
-52.5°	11	12	13	14	15	16	17	18	18	19	19
-53.75°	7	8	9	10	11	12	13	14	14	15	15
-55°	3	4	5	6	7	8	8	9	10	10	11
-56.25°	3	3	3	3	3	3	4	5	5	6	6
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	3	3
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	1	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°	0	0	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	4	3	3	3	3
56.25°	7	7	8	8	8	8	8	8	8	8	8
55°	11	12	12	12	13	13	13	13	13	12	12
53.75°	16	16	16	17	17	17	17	17	17	17	16
52.5°	20	20	20	21	21	21	21	21	21	21	20
51.25°	24	24	24	24	25	25	25	25	25	24	24
50°	27	28	28	28	28	28	29	28	28	28	28
48.75°	31	31	32	32	32	32	32	32	32	32	32
47.5°	35	35	35	36	36	36	36	36	36	36	35
46.25°	39	39	40	40	40	40	40	40	40	40	40
45°	43	44	44	44	45	45	45	45	45	44	44
43.75°	48	49	49	50	50	50	50	50	50	50	49
42.5°	54	54	55	55	56	56	56	56	56	55	55
41.25°	61	62	63	64	64	65	65	65	64	64	63
40°	70	71	72	73	73	73	74	73	73	73	72
38.75°	79	81	82	83	84	84	84	84	84	83	82
37.5°	90	91	93	94	94	95	95	95	94	94	93
36.25°	102	104	106	107	108	109	109	109	108	107	106
35°	115	118	120	121	122	123	123	123	122	121	120



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	133	138	141	144	146	147	148	147	146	144	141
32.5°	157	161	165	168	170	171	172	171	170	168	165
31.25°	192	204	213	220	225	228	229	228	225	220	213
30°	248	259	269	277	282	285	286	285	282	277	269
28.75°	307	322	334	343	351	355	356	355	351	343	334
27.5°	375	391	405	415	422	427	429	427	422	415	405
26.25°	444	461	474	484	492	496	498	496	492	484	474
25°	510	525	538	548	556	560	562	560	556	548	538
23.75°	568	581	592	601	606	608	609	608	606	601	592
22.5°	612	622	630	635	639	641	642	641	639	635	630
21.25°	643	651	659	665	669	672	672	672	669	665	659
20°	671	681	689	695	700	703	704	703	700	695	689
18.75°	700	711	720	727	732	736	737	736	732	727	720
17.5°	730	742	753	761	766	770	771	770	766	761	753
16.25°	762	774	784	793	799	803	804	803	799	793	784
15°	791	805	817	828	836	841	843	841	836	828	817
13.75°	823	840	855	867	876	882	884	882	876	867	855
12.5°	857	877	894	908	918	924	926	924	918	908	894
11.25°	893	914	933	947	956	962	964	962	956	947	933
10°	927	949	967	981	990	996	999	996	990	981	967
8.75°	957	979	997	1009	1019	1024	1026	1024	1019	1009	997
7.5°	983	1004	1021	1033	1042	1047	1049	1047	1042	1033	1021
6.25°	1004	1024	1041	1052	1059	1062	1064	1062	1059	1052	1041
5°	1021	1041	1055	1064	1067	1069	1069	1069	1067	1064	1055
3.75°	1033	1052	1064	1068	1070	1070	1069	1070	1070	1068	1064
2.5°	1042	1059	1067	1070	1068	1066	1065	1066	1068	1070	1067
1.25°	1047	1062	1069	1070	1066	1062	1062	1062	1066	1070	1069
0°	1049	1064	1069	1069	1065	1062	1065	1062	1065	1069	1069
-1.25°	1047	1062	1069	1070	1066	1062	1062	1062	1066	1070	1069
-2.5°	1042	1059	1067	1070	1068	1066	1065	1066	1068	1070	1067
-3.75°	1033	1052	1064	1068	1070	1070	1069	1070	1070	1068	1064
-5°	1021	1041	1055	1064	1067	1069	1069	1069	1067	1064	1055
-6.25°	1004	1024	1041	1052	1059	1062	1064	1062	1059	1052	1041
-7.5°	983	1004	1021	1033	1042	1047	1049	1047	1042	1033	1021
-8.75°	957	979	997	1009	1019	1024	1026	1024	1019	1009	997
-10°	927	949	967	981	990	996	999	996	990	981	967
-11.25°	893	914	933	947	956	962	964	962	956	947	933
-12.5°	857	877	894	908	918	924	926	924	918	908	894
-13.75°	823	840	855	867	876	882	884	882	876	867	855
-15°	791	805	817	828	836	841	843	841	836	828	817
-16.25°	762	774	784	793	799	803	804	803	799	793	784
-17.5°	730	742	753	761	766	770	771	770	766	761	753
-18.75°	700	711	720	727	732	736	737	736	732	727	720
-20°	671	681	689	695	700	703	704	703	700	695	689
-21.25°	643	651	659	665	669	672	672	672	669	665	659





REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	612	622	630	635	639	641	642	641	639	635	630
-23.75°	568	581	592	601	606	608	609	608	606	601	592
-25°	510	525	538	548	556	560	562	560	556	548	538
-26.25°	444	461	474	484	492	496	498	496	492	484	474
-27.5°	375	391	405	415	422	427	429	427	422	415	405
-28.75°	307	322	334	343	351	355	356	355	351	343	334
-30°	248	259	269	277	282	285	286	285	282	277	269
-31.25°	192	204	213	220	225	228	229	228	225	220	213
-32.5°	157	161	165	168	170	171	172	171	170	168	165
-33.75°	133	138	141	144	146	147	148	147	146	144	141
-35°	115	118	120	121	122	123	123	123	122	121	120
-36.25°	102	104	106	107	108	109	109	109	108	107	106
-37.5°	90	91	93	94	94	95	95	95	94	94	93
-38.75°	79	81	82	83	84	84	84	84	84	83	82
-40°	70	71	72	73	73	73	74	73	73	73	72
-41.25°	61	62	63	64	64	65	65	65	64	64	63
-42.5°	54	54	55	55	56	56	56	56	56	55	55
-43.75°	48	49	49	50	50	50	50	50	50	50	49
-45°	43	44	44	44	45	45	45	45	45	44	44
-46.25°	39	39	40	40	40	40	40	40	40	40	40
-47.5°	35	35	35	36	36	36	36	36	36	36	35
-48.75°	31	31	32	32	32	32	32	32	32	32	32
-50°	27	28	28	28	28	28	29	28	28	28	28
-51.25°	24	24	24	24	25	25	25	25	25	24	24
-52.5°	20	20	20	21	21	21	21	21	21	21	20
-53.75°	16	16	16	17	17	17	17	17	17	17	16
-55°	11	12	12	12	13	13	13	13	13	12	12
-56.25°	7	7	8	8	8	8	8	8	8	8	8
-57.5°	3	3	3	3	3	3	4	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	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°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	2	2	2	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	7	7	6	6	5	5	4	3	3	3	3
55°	12	11	11	10	10	9	8	8	7	6	5
53.75°	16	16	15	15	14	14	13	12	11	10	9
52.5°	20	20	19	19	18	18	17	16	15	14	13
51.25°	24	24	23	23	22	22	21	20	19	18	17
50°	28	27	27	26	26	25	24	24	23	22	21
48.75°	31	31	30	30	29	29	28	27	26	25	24
47.5°	35	35	34	34	33	32	31	31	30	29	28
46.25°	39	39	38	37	37	36	35	34	33	32	31
45°	44	43	42	42	41	40	39	38	37	36	35
43.75°	49	48	47	46	45	44	43	42	41	40	38
42.5°	54	54	53	52	51	49	48	47	45	44	42
41.25°	62	61	60	58	56	55	53	52	50	48	46
40°	71	70	68	66	65	62	60	58	55	54	52
38.75°	81	79	77	75	73	71	68	66	63	60	57
37.5°	91	90	88	85	83	80	77	74	71	68	64
36.25°	104	102	99	96	93	90	87	84	80	76	72
35°	118	115	113	109	106	102	98	93	90	85	81



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	138	133	128	123	119	115	110	106	100	95	90
32.5°	161	157	152	146	139	131	123	118	113	107	101
31.25°	204	192	179	169	162	154	145	136	126	119	113
30°	259	248	234	219	201	182	167	158	147	137	125
28.75°	322	307	289	273	254	234	212	189	168	157	145
27.5°	391	375	356	335	312	286	263	239	212	184	165
26.25°	461	444	424	402	377	349	319	288	260	231	201
25°	525	510	490	468	442	413	381	347	312	277	246
23.75°	581	568	550	529	504	475	443	408	370	331	291
22.5°	622	612	600	581	560	532	502	467	428	387	343
21.25°	651	643	633	619	604	582	555	521	483	442	397
20°	681	671	660	648	634	618	598	569	534	493	449
18.75°	711	700	688	674	660	644	627	607	577	540	497
17.5°	742	730	717	702	686	669	651	633	611	580	540
16.25°	774	762	747	730	712	694	674	655	634	611	577
15°	805	791	775	759	739	718	697	676	655	633	607
13.75°	840	823	804	785	766	744	721	697	674	651	627
12.5°	877	857	836	812	790	768	744	718	694	669	644
11.25°	914	893	868	842	815	790	766	739	712	686	660
10°	949	927	901	872	842	812	785	759	730	702	674
8.75°	979	957	931	901	868	836	804	775	747	717	688
7.5°	1004	983	957	927	893	857	823	791	762	730	700
6.25°	1024	1004	979	949	914	877	840	805	774	742	711
5°	1041	1021	997	967	933	894	855	817	784	753	720
3.75°	1052	1033	1009	981	947	908	867	828	793	761	727
2.5°	1059	1042	1019	990	956	918	876	836	799	766	732
1.25°	1062	1047	1024	996	962	924	882	841	803	770	736
0°	1064	1049	1026	999	964	926	884	843	804	771	737
-1.25°	1062	1047	1024	996	962	924	882	841	803	770	736
-2.5°	1059	1042	1019	990	956	918	876	836	799	766	732
-3.75°	1052	1033	1009	981	947	908	867	828	793	761	727
-5°	1041	1021	997	967	933	894	855	817	784	753	720
-6.25°	1024	1004	979	949	914	877	840	805	774	742	711
-7.5°	1004	983	957	927	893	857	823	791	762	730	700
-8.75°	979	957	931	901	868	836	804	775	747	717	688
-10°	949	927	901	872	842	812	785	759	730	702	674
-11.25°	914	893	868	842	815	790	766	739	712	686	660
-12.5°	877	857	836	812	790	768	744	718	694	669	644
-13.75°	840	823	804	785	766	744	721	697	674	651	627
-15°	805	791	775	759	739	718	697	676	655	633	607
-16.25°	774	762	747	730	712	694	674	655	634	611	577
-17.5°	742	730	717	702	686	669	651	633	611	580	540
-18.75°	711	700	688	674	660	644	627	607	577	540	497
-20°	681	671	660	648	634	618	598	569	534	493	449
-21.25°	651	643	633	619	604	582	555	521	483	442	397



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	622	612	600	581	560	532	502	467	428	387	343
-23.75°	581	568	550	529	504	475	443	408	370	331	291
-25°	525	510	490	468	442	413	381	347	312	277	246
-26.25°	461	444	424	402	377	349	319	288	260	231	201
-27.5°	391	375	356	335	312	286	263	239	212	184	165
-28.75°	322	307	289	273	254	234	212	189	168	157	145
-30°	259	248	234	219	201	182	167	158	147	137	125
-31.25°	204	192	179	169	162	154	145	136	126	119	113
-32.5°	161	157	152	146	139	131	123	118	113	107	101
-33.75°	138	133	128	123	119	115	110	106	100	95	90
-35°	118	115	113	109	106	102	98	93	90	85	81
-36.25°	104	102	99	96	93	90	87	84	80	76	72
-37.5°	91	90	88	85	83	80	77	74	71	68	64
-38.75°	81	79	77	75	73	71	68	66	63	60	57
-40°	71	70	68	66	65	62	60	58	55	54	52
-41.25°	62	61	60	58	56	55	53	52	50	48	46
-42.5°	54	54	53	52	51	49	48	47	45	44	42
-43.75°	49	48	47	46	45	44	43	42	41	40	38
-45°	44	43	42	42	41	40	39	38	37	36	35
-46.25°	39	39	38	37	37	36	35	34	33	32	31
-47.5°	35	35	34	34	33	32	31	31	30	29	28
-48.75°	31	31	30	30	29	29	28	27	26	25	24
-50°	28	27	27	26	26	25	24	24	23	22	21
-51.25°	24	24	23	23	22	22	21	20	19	18	17
-52.5°	20	20	19	19	18	18	17	16	15	14	13
-53.75°	16	16	15	15	14	14	13	12	11	10	9
-55°	12	11	11	10	10	9	8	8	7	6	5
-56.25°	7	7	6	6	5	5	4	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	1	1	1	1	1	1	1	1	0	0	0
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	1	1	1	1	1	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	2	2	2	2	2	2	2
56.25°	3	3	3	3	3	3	3	2	2	2	2
55°	4	3	3	3	3	3	3	3	3	2	2
53.75°	8	7	6	4	3	3	3	3	3	3	3
52.5°	12	11	10	9	7	6	4	3	3	3	3
51.25°	16	15	14	13	11	10	8	6	5	3	3
50°	20	19	17	16	15	13	12	10	8	7	5
48.75°	23	22	21	20	18	17	15	14	12	10	8
47.5°	27	26	24	23	22	20	19	17	15	14	12
46.25°	30	29	28	26	25	23	22	20	19	17	15
45°	33	32	31	29	28	27	25	23	22	20	18
43.75°	37	35	34	33	31	30	28	26	25	23	21
42.5°	41	39	37	36	34	33	31	29	28	26	24
41.25°	45	43	41	39	37	36	34	32	30	28	27
40°	49	47	45	43	41	39	37	35	33	31	29
38.75°	54	52	50	47	45	43	40	38	36	34	32
37.5°	61	57	54	52	49	46	44	41	39	37	34
36.25°	69	65	61	57	54	51	48	45	42	40	37
35°	76	72	68	64	59	55	52	49	46	43	40



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	85	80	75	71	66	61	56	53	50	46	43
32.5°	94	89	84	78	73	68	63	57	53	50	46
31.25°	106	99	92	86	80	74	69	63	58	54	50
30°	117	110	102	95	88	82	75	69	64	58	53
28.75°	132	121	113	105	96	89	83	76	69	63	57
27.5°	152	138	124	115	106	97	90	83	75	69	63
26.25°	171	156	142	127	116	107	97	89	82	74	68
25°	213	178	159	144	128	116	106	96	88	80	73
23.75°	255	220	183	160	144	127	115	105	95	86	78
22.5°	300	260	222	183	159	142	124	113	102	92	84
21.25°	350	303	260	220	178	156	138	121	110	99	89
20°	400	350	300	255	213	171	152	132	117	106	94
18.75°	449	397	343	291	246	201	165	145	125	113	101
17.5°	493	442	387	331	277	231	184	157	137	119	107
16.25°	534	483	428	370	312	260	212	168	147	126	113
15°	569	521	467	408	347	288	239	189	158	136	118
13.75°	598	555	502	443	381	319	263	212	167	145	123
12.5°	618	582	532	475	413	349	286	234	182	154	131
11.25°	634	604	560	504	442	377	312	254	201	162	139
10°	648	619	581	529	468	402	335	273	219	169	146
8.75°	660	633	600	550	490	424	356	289	234	179	152
7.5°	671	643	612	568	510	444	375	307	248	192	157
6.25°	681	651	622	581	525	461	391	322	259	204	161
5°	689	659	630	592	538	474	405	334	269	213	165
3.75°	695	665	635	601	548	484	415	343	277	220	168
2.5°	700	669	639	606	556	492	422	351	282	225	170
1.25°	703	672	641	608	560	496	427	355	285	228	171
0°	704	672	642	609	562	498	429	356	286	229	172
-1.25°	703	672	641	608	560	496	427	355	285	228	171
-2.5°	700	669	639	606	556	492	422	351	282	225	170
-3.75°	695	665	635	601	548	484	415	343	277	220	168
-5°	689	659	630	592	538	474	405	334	269	213	165
-6.25°	681	651	622	581	525	461	391	322	259	204	161
-7.5°	671	643	612	568	510	444	375	307	248	192	157
-8.75°	660	633	600	550	490	424	356	289	234	179	152
-10°	648	619	581	529	468	402	335	273	219	169	146
-11.25°	634	604	560	504	442	377	312	254	201	162	139
-12.5°	618	582	532	475	413	349	286	234	182	154	131
-13.75°	598	555	502	443	381	319	263	212	167	145	123
-15°	569	521	467	408	347	288	239	189	158	136	118
-16.25°	534	483	428	370	312	260	212	168	147	126	113
-17.5°	493	442	387	331	277	231	184	157	137	119	107
-18.75°	449	397	343	291	246	201	165	145	125	113	101
-20°	400	350	300	255	213	171	152	132	117	106	94
-21.25°	350	303	260	220	178	156	138	121	110	99	89





REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	300	260	222	183	159	142	124	113	102	92	84
-23.75°	255	220	183	160	144	127	115	105	95	86	78
-25°	213	178	159	144	128	116	106	96	88	80	73
-26.25°	171	156	142	127	116	107	97	89	82	74	68
-27.5°	152	138	124	115	106	97	90	83	75	69	63
-28.75°	132	121	113	105	96	89	83	76	69	63	57
-30°	117	110	102	95	88	82	75	69	64	58	53
-31.25°	106	99	92	86	80	74	69	63	58	54	50
-32.5°	94	89	84	78	73	68	63	57	53	50	46
-33.75°	85	80	75	71	66	61	56	53	50	46	43
-35°	76	72	68	64	59	55	52	49	46	43	40
-36.25°	69	65	61	57	54	51	48	45	42	40	37
-37.5°	61	57	54	52	49	46	44	41	39	37	34
-38.75°	54	52	50	47	45	43	40	38	36	34	32
-40°	49	47	45	43	41	39	37	35	33	31	29
-41.25°	45	43	41	39	37	36	34	32	30	28	27
-42.5°	41	39	37	36	34	33	31	29	28	26	24
-43.75°	37	35	34	33	31	30	28	26	25	23	21
-45°	33	32	31	29	28	27	25	23	22	20	18
-46.25°	30	29	28	26	25	23	22	20	19	17	15
-47.5°	27	26	24	23	22	20	19	17	15	14	12
-48.75°	23	22	21	20	18	17	15	14	12	10	8
-50°	20	19	17	16	15	13	12	10	8	7	5
-51.25°	16	15	14	13	11	10	8	6	5	3	3
-52.5°	12	11	10	9	7	6	4	3	3	3	3
-53.75°	8	7	6	4	3	3	3	3	3	3	3
-55°	4	3	3	3	3	3	3	3	3	2	2
-56.25°	3	3	3	3	3	3	3	2	2	2	2
-57.5°	3	3	3	3	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	1	1	1
-70°	2	2	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	1	1	1	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	0	0	0	0
71.25°	1	1	1	1	1	1	1	1	1	1	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	2	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	2	1	1
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	2	2	2	2	2	2	2	2	2	2
52.5°	3	3	3	2	2	2	2	2	2	2	2
51.25°	3	3	3	3	2	2	2	2	2	2	2
50°	3	3	3	3	3	3	2	2	2	2	2
48.75°	6	4	3	3	3	3	3	2	2	2	2
47.5°	10	8	5	3	3	3	3	3	2	2	2
46.25°	13	11	9	6	4	3	3	3	3	2	2
45°	16	14	12	9	7	5	3	3	3	3	2
43.75°	19	17	15	13	10	8	5	3	3	3	3
42.5°	22	20	18	15	13	10	8	5	3	3	3
41.25°	25	23	20	18	16	13	11	8	5	3	3
40°	27	25	23	21	18	16	13	10	8	5	3
38.75°	30	28	25	23	21	18	16	13	10	7	4
37.5°	32	30	28	26	23	21	18	15	13	9	6
36.25°	35	32	30	28	25	23	20	18	15	12	9
35°	37	35	32	30	28	25	23	20	17	14	11



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	40	37	35	32	30	27	25	22	19	16	13
32.5°	43	40	37	34	32	29	27	24	21	18	15
31.25°	46	43	40	37	34	31	28	26	23	20	17
30°	50	46	42	39	36	33	30	28	25	22	19
28.75°	53	49	45	41	38	35	32	29	26	23	20
27.5°	56	52	48	44	40	37	34	31	28	25	22
26.25°	61	55	51	46	43	39	36	33	30	27	23
25°	66	59	54	49	45	41	37	34	31	28	25
23.75°	71	64	57	52	47	43	39	36	33	29	26
22.5°	75	68	61	54	50	45	41	37	34	31	28
21.25°	80	72	65	57	52	47	43	39	35	32	29
20°	85	76	69	61	54	49	45	41	37	33	30
18.75°	90	81	72	64	57	52	46	42	38	35	31
17.5°	95	85	76	68	60	54	48	44	40	36	32
16.25°	100	90	80	71	63	55	50	45	41	37	33
15°	106	93	84	74	66	58	52	47	42	38	34
13.75°	110	98	87	77	68	60	53	48	43	39	35
12.5°	115	102	90	80	71	62	55	49	44	40	36
11.25°	119	106	93	83	73	65	56	51	45	41	37
10°	123	109	96	85	75	66	58	52	46	42	37
8.75°	128	113	99	88	77	68	60	53	47	42	38
7.5°	133	115	102	90	79	70	61	54	48	43	39
6.25°	138	118	104	91	81	71	62	54	49	44	39
5°	141	120	106	93	82	72	63	55	49	44	40
3.75°	144	121	107	94	83	73	64	55	50	44	40
2.5°	146	122	108	94	84	73	64	56	50	45	40
1.25°	147	123	109	95	84	73	65	56	50	45	40
0°	148	123	109	95	84	74	65	56	50	45	40
-1.25°	147	123	109	95	84	73	65	56	50	45	40
-2.5°	146	122	108	94	84	73	64	56	50	45	40
-3.75°	144	121	107	94	83	73	64	55	50	44	40
-5°	141	120	106	93	82	72	63	55	49	44	40
-6.25°	138	118	104	91	81	71	62	54	49	44	39
-7.5°	133	115	102	90	79	70	61	54	48	43	39
-8.75°	128	113	99	88	77	68	60	53	47	42	38
-10°	123	109	96	85	75	66	58	52	46	42	37
-11.25°	119	106	93	83	73	65	56	51	45	41	37
-12.5°	115	102	90	80	71	62	55	49	44	40	36
-13.75°	110	98	87	77	68	60	53	48	43	39	35
-15°	106	93	84	74	66	58	52	47	42	38	34
-16.25°	100	90	80	71	63	55	50	45	41	37	33
-17.5°	95	85	76	68	60	54	48	44	40	36	32
-18.75°	90	81	72	64	57	52	46	42	38	35	31
-20°	85	76	69	61	54	49	45	41	37	33	30
-21.25°	80	72	65	57	52	47	43	39	35	32	29



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	75	68	61	54	50	45	41	37	34	31	28
-23.75°	71	64	57	52	47	43	39	36	33	29	26
-25°	66	59	54	49	45	41	37	34	31	28	25
-26.25°	61	55	51	46	43	39	36	33	30	27	23
-27.5°	56	52	48	44	40	37	34	31	28	25	22
-28.75°	53	49	45	41	38	35	32	29	26	23	20
-30°	50	46	42	39	36	33	30	28	25	22	19
-31.25°	46	43	40	37	34	31	28	26	23	20	17
-32.5°	43	40	37	34	32	29	27	24	21	18	15
-33.75°	40	37	35	32	30	27	25	22	19	16	13
-35°	37	35	32	30	28	25	23	20	17	14	11
-36.25°	35	32	30	28	25	23	20	18	15	12	9
-37.5°	32	30	28	26	23	21	18	15	13	9	6
-38.75°	30	28	25	23	21	18	16	13	10	7	4
-40°	27	25	23	21	18	16	13	10	8	5	3
-41.25°	25	23	20	18	16	13	11	8	5	3	3
-42.5°	22	20	18	15	13	10	8	5	3	3	3
-43.75°	19	17	15	13	10	8	5	3	3	3	3
-45°	16	14	12	9	7	5	3	3	3	3	2
-46.25°	13	11	9	6	4	3	3	3	3	2	2
-47.5°	10	8	5	3	3	3	3	3	2	2	2
-48.75°	6	4	3	3	3	3	3	2	2	2	2
-50°	3	3	3	3	3	3	2	2	2	2	2
-51.25°	3	3	3	3	2	2	2	2	2	2	2
-52.5°	3	3	3	2	2	2	2	2	2	2	2
-53.75°	3	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	1	1
-65°	2	2	2	2	2	2	2	1	1	1	1
-66.25°	2	2	2	2	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	0
-72.5°	1	1	1	1	1	1	1	0	0	0	0
-73.75°	1	1	1	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	24	21	17	14	10	6	3	3	3	2	2
-23.75°	23	20	16	13	9	4	3	3	3	2	2
-25°	22	18	15	11	7	3	3	3	2	2	2
-26.25°	20	17	13	10	6	3	3	3	2	2	2
-27.5°	19	15	12	8	4	3	3	3	2	2	2
-28.75°	17	14	10	6	3	3	3	2	2	2	2
-30°	15	12	8	5	3	3	3	2	2	2	2
-31.25°	14	10	7	3	3	3	2	2	2	2	2
-32.5°	12	8	5	3	3	3	2	2	2	2	2
-33.75°	10	6	3	3	3	3	2	2	2	2	2
-35°	8	4	3	3	3	2	2	2	2	2	2
-36.25°	5	3	3	3	3	2	2	2	2	2	2
-37.5°	3	3	3	3	2	2	2	2	2	2	2
-38.75°	3	3	3	2	2	2	2	2	2	2	2
-40°	3	3	3	2	2	2	2	2	2	2	2
-41.25°	3	3	2	2	2	2	2	2	2	2	2
-42.5°	3	2	2	2	2	2	2	2	2	2	2
-43.75°	2	2	2	2	2	2	2	2	2	2	2
-45°	2	2	2	2	2	2	2	2	2	2	2
-46.25°	2	2	2	2	2	2	2	2	2	2	2
-47.5°	2	2	2	2	2	2	2	2	2	2	2
-48.75°	2	2	2	2	2	2	2	2	2	2	2
-50°	2	2	2	2	2	2	2	2	2	2	2
-51.25°	2	2	2	2	2	2	2	2	2	2	1
-52.5°	2	2	2	2	2	2	2	2	2	1	1
-53.75°	2	2	2	2	2	2	2	2	2	1	1
-55°	2	2	2	2	2	2	2	2	1	1	1
-56.25°	2	2	2	2	2	2	2	1	1	1	1
-57.5°	2	2	2	2	2	2	1	1	1	1	1
-58.75°	2	2	2	2	1	1	1	1	1	1	1
-60°	2	2	2	1	1	1	1	1	1	1	1
-61.25°	2	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	0
-65°	1	1	1	1	1	1	1	1	1	0	0
-66.25°	1	1	1	1	1	1	1	0	0	0	0
-67.5°	1	1	1	1	1	1	0	0	0	0	0
-68.75°	1	1	1	1	0	0	0	0	0	0	0
-70°	1	1	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)