

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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3590-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3590-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,  
WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

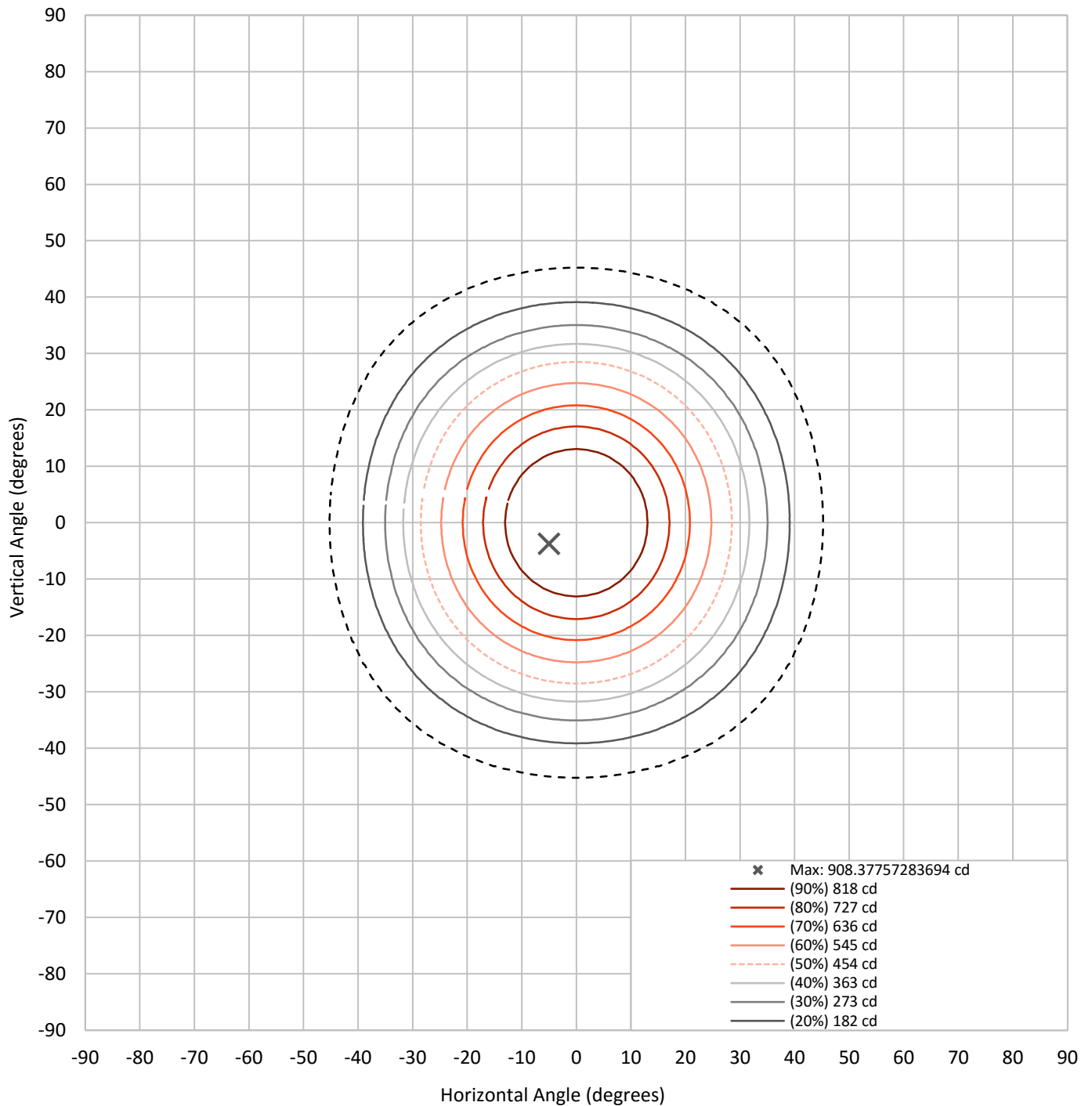
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	822 lumens	Max Intensity:	908.4 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	82.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.6°H x 56.3°V	Field Angle (10%):	90°H x 89.8°V
Beam Lumens:	512.7 lumens	Field Lumens:	766.3 lumens
Beam Efficiency:	62.4%	Field Efficiency:	93.2%
Input Watts (W):	10		
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: 1002-[A1, P1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

### Iso-Candela Plot





REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

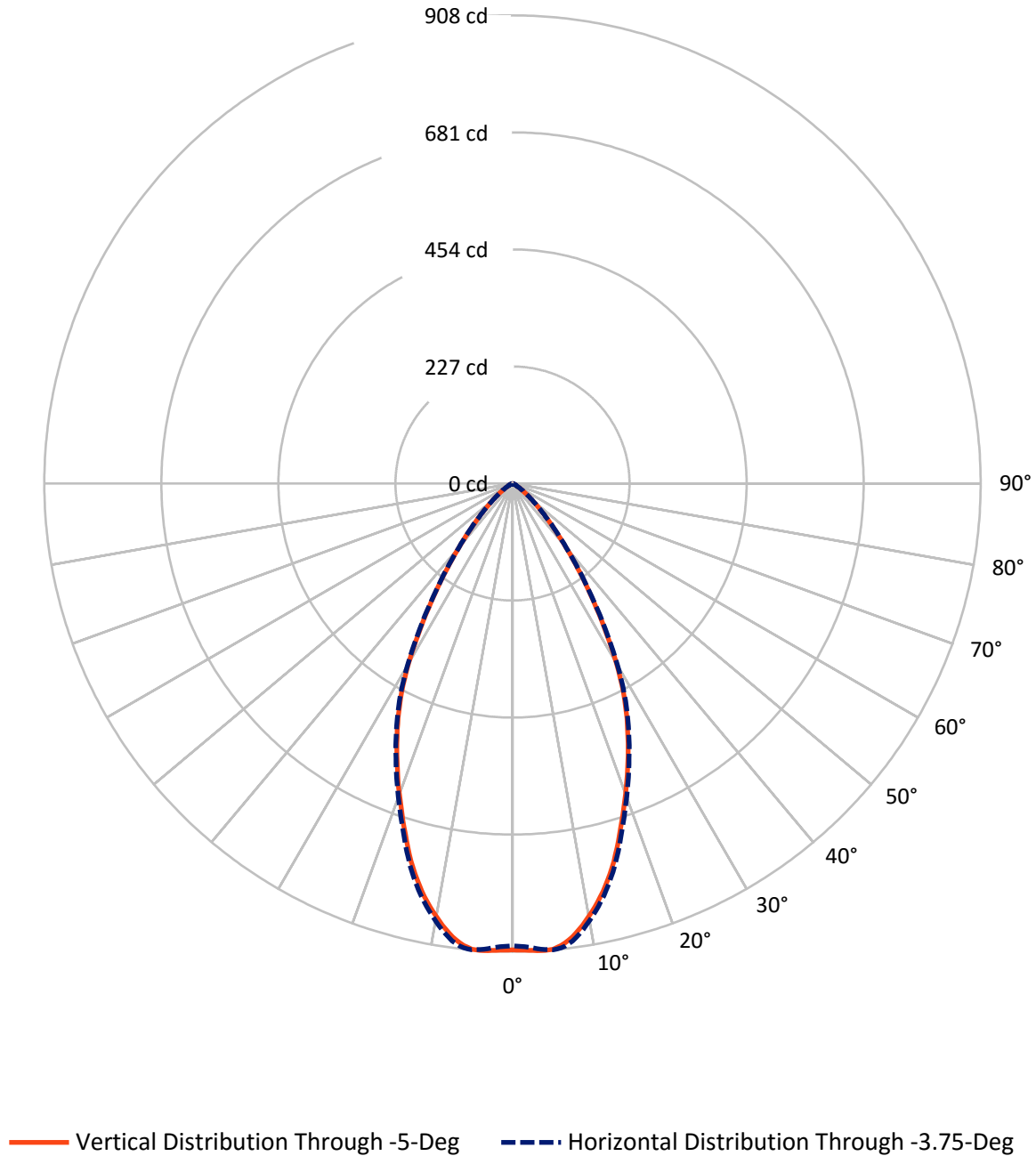
### Lumen Table

90	0.0															
80	0.0															
70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.1	0.2	0.4	0.6	0.8	0.8	0.6	0.4	0.2	0.1	0.0	0.0	
50	0.0	0.0	0.1	0.3	0.7	1.4	2.2	2.9	2.9	2.2	1.4	0.7	0.3	0.1	0.0	0.0
40		0.0	0.2	0.6	1.7	3.7	6.3	8.1	8.1	6.3	3.7	1.7	0.6	0.2	0.0	
30	0.0	0.0	0.3	1.1	3.4	7.8	12.8	15.9	15.9	12.8	7.8	3.4	1.1	0.3	0.0	0.0
20		0.1	0.4	1.7	5.4	12.1	18.4	22.7	22.7	18.4	12.1	5.4	1.7	0.4	0.1	
10	0.0	0.1	0.5	2.1	6.8	14.5	22.0	26.9	26.9	22.0	14.5	6.8	2.1	0.5	0.1	0.0
0		0.1	0.5	2.1	6.8	14.5	22.0	26.9	26.9	22.0	14.5	6.8	2.1	0.5	0.1	
-10	0.0	0.1	0.4	1.7	5.4	12.1	18.4	22.7	22.7	18.4	12.1	5.4	1.7	0.4	0.1	0.0
-20		0.0	0.3	1.1	3.4	7.8	12.8	15.9	15.9	12.8	7.8	3.4	1.1	0.3	0.0	
-30	0.0	0.0	0.2	0.6	1.7	3.7	6.3	8.1	8.1	6.3	3.7	1.7	0.6	0.2	0.0	0.0
-40		0.0	0.1	0.3	0.7	1.4	2.2	2.9	2.9	2.2	1.4	0.7	0.3	0.1	0.0	
-50	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.8	0.8	0.6	0.4	0.2	0.1	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	
-70	0.0															
-80	0.0															
-90	0.0															

REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

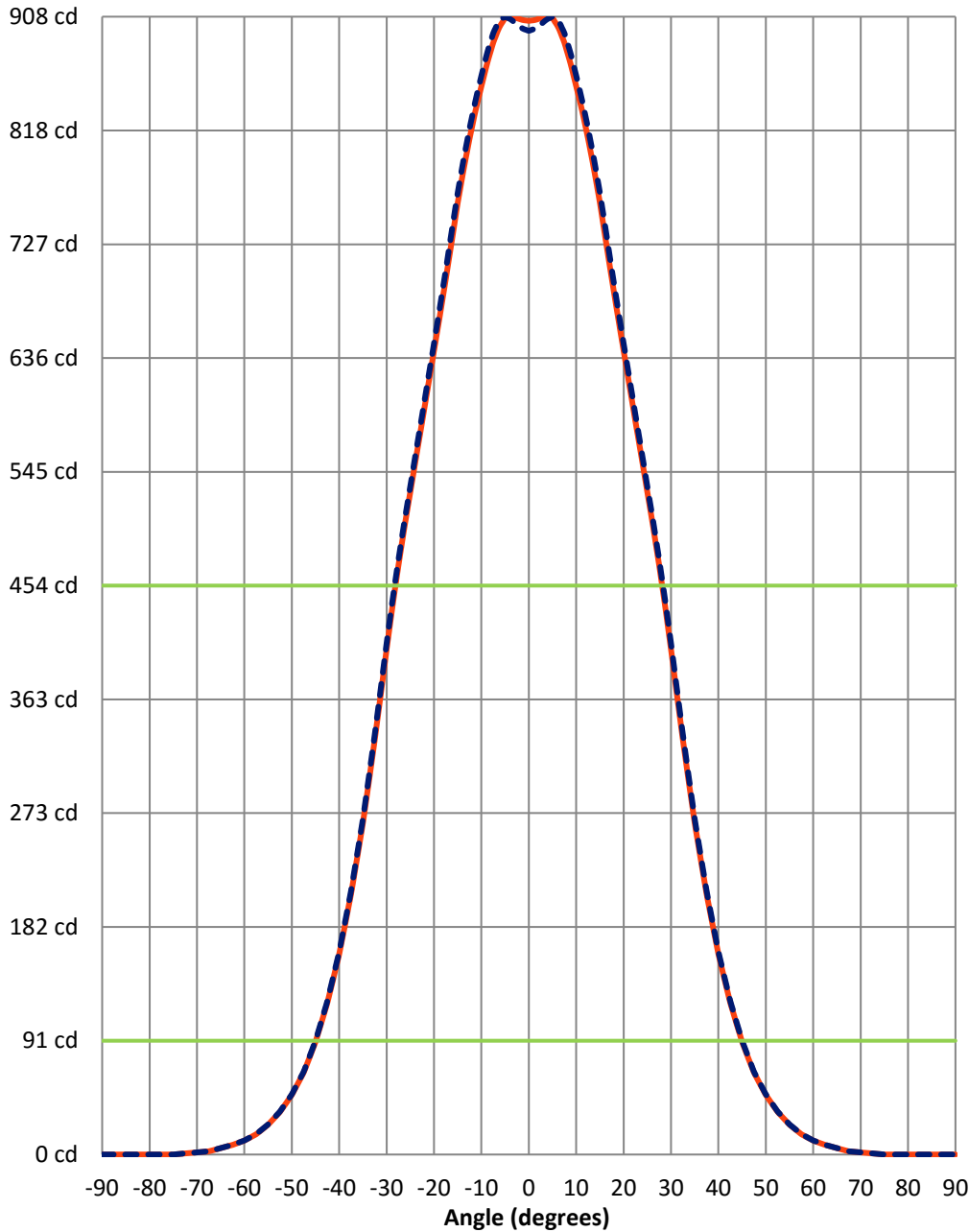
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

### Luminous Intensity Polar Plot



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

### Luminous Intensity Plot



**Beam:**  
 H Angle: 56.6°  
 V Angle: 56.3°  
 Lumens: 512.7  
 Efficiency: 62.4%

**Field:**  
 H Angle: 90°  
 V Angle: 89.8°  
 Lumens: 766.3  
 Efficiency: 93.2%

**Spill:**  
 Lumens: 55.7  
 Efficiency: 6.8%

— Vertical Distribution through -5-Deg  
 - - Horizontal Distribution through -3.75-Deg



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-W-BK-L1-UNV

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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	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	1
48.75°	0	0	0	0	0	0	0	0	0	0	1
47.5°	0	0	0	0	0	0	0	0	0	1	1
46.25°	0	0	0	0	0	0	0	0	0	1	1
45°	0	0	0	0	0	0	0	0	1	1	1
43.75°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	0	1	1	1
41.25°	0	0	0	0	0	0	0	1	1	1	2
40°	0	0	0	0	0	0	0	1	1	1	2
38.75°	0	0	0	0	0	0	1	1	1	1	2
37.5°	0	0	0	0	0	0	1	1	1	2	2
36.25°	0	0	0	0	0	0	1	1	1	2	2
35°	0	0	0	0	0	0	1	1	1	2	2



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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	0	0	0	1	1	1	2	2	2
32.5°	0	0	0	0	0	1	1	1	2	2	2
31.25°	0	0	0	0	0	1	1	1	2	2	2
30°	0	0	0	0	0	1	1	1	2	2	3
28.75°	0	0	0	0	0	1	1	2	2	2	3
27.5°	0	0	0	0	1	1	1	2	2	2	3
26.25°	0	0	0	0	1	1	1	2	2	3	4
25°	0	0	0	0	1	1	1	2	2	3	4
23.75°	0	0	0	0	1	1	1	2	2	3	4
22.5°	0	0	0	0	1	1	2	2	2	3	4
21.25°	0	0	0	0	1	1	2	2	2	3	5
20°	0	0	0	1	1	1	2	2	3	4	5
18.75°	0	0	0	1	1	1	2	2	3	4	5
17.5°	0	0	0	1	1	1	2	2	3	4	5
16.25°	0	0	0	1	1	1	2	2	3	4	5
15°	0	0	0	1	1	1	2	2	3	4	6
13.75°	0	0	0	1	1	2	2	2	3	4	6
12.5°	0	0	0	1	1	2	2	2	3	5	6
11.25°	0	0	0	1	1	2	2	2	3	5	6
10°	0	0	0	1	1	2	2	2	4	5	6
8.75°	0	0	0	1	1	2	2	3	4	5	6
7.5°	0	0	0	1	1	2	2	3	4	5	6
6.25°	0	0	0	1	1	2	2	3	4	5	6
5°	0	0	0	1	1	2	2	3	4	5	6
3.75°	0	0	0	1	1	2	2	3	4	5	6
2.5°	0	0	0	1	1	2	2	3	4	5	6
1.25°	0	0	0	1	1	2	2	3	4	5	6
0°	0	0	0	1	1	2	2	3	4	5	7
-1.25°	0	0	0	1	1	2	2	3	4	5	6
-2.5°	0	0	0	1	1	2	2	3	4	5	6
-3.75°	0	0	0	1	1	2	2	3	4	5	6
-5°	0	0	0	1	1	2	2	3	4	5	6
-6.25°	0	0	0	1	1	2	2	3	4	5	6
-7.5°	0	0	0	1	1	2	2	3	4	5	6
-8.75°	0	0	0	1	1	2	2	3	4	5	6
-10°	0	0	0	1	1	2	2	2	4	5	6
-11.25°	0	0	0	1	1	2	2	2	3	5	6
-12.5°	0	0	0	1	1	2	2	2	3	5	6
-13.75°	0	0	0	1	1	2	2	2	3	4	6
-15°	0	0	0	1	1	1	2	2	3	4	6
-16.25°	0	0	0	1	1	1	2	2	3	4	5
-17.5°	0	0	0	1	1	1	2	2	3	4	5
-18.75°	0	0	0	1	1	1	2	2	3	4	5
-20°	0	0	0	1	1	1	2	2	3	4	5
-21.25°	0	0	0	0	1	1	2	2	2	3	5



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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	0	0	0	1	1	2	2	2	3	4
-23.75°	0	0	0	0	1	1	1	2	2	3	4
-25°	0	0	0	0	1	1	1	2	2	3	4
-26.25°	0	0	0	0	1	1	1	2	2	3	4
-27.5°	0	0	0	0	1	1	1	2	2	2	3
-28.75°	0	0	0	0	0	1	1	2	2	2	3
-30°	0	0	0	0	0	1	1	1	2	2	3
-31.25°	0	0	0	0	0	1	1	1	2	2	2
-32.5°	0	0	0	0	0	1	1	1	2	2	2
-33.75°	0	0	0	0	0	1	1	1	2	2	2
-35°	0	0	0	0	0	0	1	1	1	2	2
-36.25°	0	0	0	0	0	0	1	1	1	2	2
-37.5°	0	0	0	0	0	0	1	1	1	2	2
-38.75°	0	0	0	0	0	0	1	1	1	1	2
-40°	0	0	0	0	0	0	0	1	1	1	2
-41.25°	0	0	0	0	0	0	0	1	1	1	2
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-43.75°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-46.25°	0	0	0	0	0	0	0	0	0	1	1
-47.5°	0	0	0	0	0	0	0	0	0	1	1
-48.75°	0	0	0	0	0	0	0	0	0	0	1
-50°	0	0	0	0	0	0	0	0	0	0	1
-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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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	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	1
62.5°	0	0	0	0	0	0	0	0	0	1	1
61.25°	0	0	0	0	0	0	0	1	1	1	1
60°	0	0	0	0	0	0	1	1	1	1	1
58.75°	0	0	0	0	0	1	1	1	1	1	2
57.5°	0	0	0	0	1	1	1	1	1	2	2
56.25°	0	0	0	1	1	1	1	1	2	2	2
55°	0	0	1	1	1	1	1	2	2	2	2
53.75°	0	1	1	1	1	1	2	2	2	2	3
52.5°	0	1	1	1	1	2	2	2	2	3	3
51.25°	1	1	1	1	2	2	2	2	3	3	4
50°	1	1	1	2	2	2	2	3	3	4	5
48.75°	1	1	1	2	2	2	2	3	4	5	5
47.5°	1	1	2	2	2	2	3	4	4	5	6
46.25°	1	2	2	2	2	3	4	4	5	6	7
45°	1	2	2	2	3	3	4	5	6	7	7
43.75°	2	2	2	2	3	4	5	5	6	7	8
42.5°	2	2	2	3	3	4	5	6	7	8	9
41.25°	2	2	2	3	4	5	6	7	8	9	10
40°	2	2	3	4	4	5	6	7	8	9	11
38.75°	2	2	3	4	5	6	7	8	9	10	11
37.5°	2	3	4	4	5	6	7	8	10	11	13
36.25°	2	3	4	5	6	7	8	9	10	12	14
35°	3	3	4	5	6	7	9	10	11	13	15



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	3	4	5	6	7	8	9	11	12	14	16
32.5°	3	4	5	6	7	8	10	11	13	15	18
31.25°	3	4	6	7	8	9	10	12	14	16	19
30°	4	5	6	7	8	10	11	13	15	18	21
28.75°	4	5	6	7	9	10	12	14	16	19	22
27.5°	4	5	7	8	9	11	13	15	17	20	24
26.25°	5	6	7	8	10	11	13	16	18	22	25
25°	5	6	7	9	10	12	14	16	20	23	27
23.75°	5	6	8	9	11	12	15	17	21	24	29
22.5°	5	7	8	9	11	13	15	18	22	26	30
21.25°	6	7	8	10	11	14	16	19	23	27	32
20°	6	7	9	10	12	14	17	20	24	29	33
18.75°	6	7	9	10	13	15	18	21	25	30	35
17.5°	6	8	9	11	13	15	19	22	26	31	36
16.25°	7	8	9	11	13	16	19	23	27	32	38
15°	7	8	10	11	14	16	20	24	29	33	40
13.75°	7	8	10	12	14	17	21	25	30	34	41
12.5°	7	9	10	12	15	18	21	25	30	36	42
11.25°	7	9	10	13	15	18	22	26	31	37	43
10°	7	9	11	13	15	19	22	27	32	38	45
8.75°	7	9	11	13	16	19	23	27	33	39	46
7.5°	8	9	11	13	16	19	23	28	33	39	46
6.25°	8	9	11	13	16	20	24	28	34	40	47
5°	8	9	11	14	16	20	24	29	34	41	48
3.75°	8	9	11	14	16	20	24	29	34	41	48
2.5°	8	10	11	14	16	20	24	29	35	41	48
1.25°	8	10	11	14	16	20	24	29	35	42	49
0°	8	10	11	14	17	20	24	30	35	42	49
-1.25°	8	10	11	14	16	20	24	29	35	42	49
-2.5°	8	10	11	14	16	20	24	29	35	41	48
-3.75°	8	9	11	14	16	20	24	29	34	41	48
-5°	8	9	11	14	16	20	24	29	34	41	48
-6.25°	8	9	11	13	16	20	24	28	34	40	47
-7.5°	8	9	11	13	16	19	23	28	33	39	46
-8.75°	7	9	11	13	16	19	23	27	33	39	46
-10°	7	9	11	13	15	19	22	27	32	38	45
-11.25°	7	9	10	13	15	18	22	26	31	37	43
-12.5°	7	9	10	12	15	18	21	25	30	36	42
-13.75°	7	8	10	12	14	17	21	25	30	34	41
-15°	7	8	10	11	14	16	20	24	29	33	40
-16.25°	7	8	9	11	13	16	19	23	27	32	38
-17.5°	6	8	9	11	13	15	19	22	26	31	36
-18.75°	6	7	9	10	13	15	18	21	25	30	35
-20°	6	7	9	10	12	14	17	20	24	29	33
-21.25°	6	7	8	10	11	14	16	19	23	27	32





REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	5	7	8	9	11	13	15	18	22	26	30
-23.75°	5	6	8	9	11	12	15	17	21	24	29
-25°	5	6	7	9	10	12	14	16	20	23	27
-26.25°	5	6	7	8	10	11	13	16	18	22	25
-27.5°	4	5	7	8	9	11	13	15	17	20	24
-28.75°	4	5	6	7	9	10	12	14	16	19	22
-30°	4	5	6	7	8	10	11	13	15	18	21
-31.25°	3	4	6	7	8	9	10	12	14	16	19
-32.5°	3	4	5	6	7	8	10	11	13	15	18
-33.75°	3	4	5	6	7	8	9	11	12	14	16
-35°	3	3	4	5	6	7	9	10	11	13	15
-36.25°	2	3	4	5	6	7	8	9	10	12	14
-37.5°	2	3	4	4	5	6	7	8	10	11	13
-38.75°	2	2	3	4	5	6	7	8	9	10	11
-40°	2	2	3	4	4	5	6	7	8	9	11
-41.25°	2	2	2	3	4	5	6	7	8	9	10
-42.5°	2	2	2	3	3	4	5	6	7	8	9
-43.75°	2	2	2	2	3	4	5	5	6	7	8
-45°	1	2	2	2	3	3	4	5	6	7	7
-46.25°	1	2	2	2	2	3	4	4	5	6	7
-47.5°	1	1	2	2	2	2	3	4	4	5	6
-48.75°	1	1	1	2	2	2	2	3	4	5	5
-50°	1	1	1	2	2	2	2	3	3	4	5
-51.25°	1	1	1	1	2	2	2	2	3	3	4
-52.5°	0	1	1	1	1	2	2	2	2	3	3
-53.75°	0	1	1	1	1	1	2	2	2	2	3
-55°	0	0	1	1	1	1	1	2	2	2	2
-56.25°	0	0	0	1	1	1	1	1	2	2	2
-57.5°	0	0	0	0	1	1	1	1	1	2	2
-58.75°	0	0	0	0	0	1	1	1	1	1	2
-60°	0	0	0	0	0	0	1	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	0	1	1
-63.75°	0	0	0	0	0	0	0	0	0	0	1
-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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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	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	1	1	1
67.5°	0	0	0	0	0	0	1	1	1	1	1
66.25°	0	0	0	1	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	2	2
63.75°	1	1	1	1	1	1	2	2	2	2	2
62.5°	1	1	1	1	2	2	2	2	2	2	2
61.25°	1	1	2	2	2	2	2	2	2	3	3
60°	1	2	2	2	2	2	2	3	3	4	4
58.75°	2	2	2	2	2	3	3	4	4	4	5
57.5°	2	2	2	3	3	3	4	4	5	5	6
56.25°	2	2	3	3	4	4	5	5	6	6	7
55°	2	3	4	4	5	5	6	6	7	7	8
53.75°	3	4	4	5	5	6	7	7	8	8	9
52.5°	4	4	5	6	6	7	8	8	9	10	10
51.25°	5	5	6	7	7	8	9	9	10	11	12
50°	5	6	7	7	8	9	10	11	11	13	14
48.75°	6	7	7	8	9	10	11	12	13	15	16
47.5°	7	7	8	9	10	11	12	14	15	16	18
46.25°	7	8	9	10	11	13	14	15	17	19	21
45°	8	9	10	11	13	14	16	17	20	22	24
43.75°	9	10	11	13	14	16	18	20	22	24	27
42.5°	10	11	13	14	16	18	20	22	25	28	30
41.25°	11	12	14	16	18	20	22	25	28	31	34
40°	12	14	15	17	20	22	25	28	31	34	38
38.75°	13	15	17	20	22	25	28	31	35	39	43
37.5°	15	16	19	22	24	28	31	34	39	43	47
36.25°	16	18	21	24	27	30	34	38	43	47	53
35°	17	20	23	26	30	33	38	42	47	52	58



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	19	22	25	29	32	36	41	46	52	58	64
32.5°	21	23	27	31	35	40	45	50	57	63	70
31.25°	22	25	29	33	38	43	49	55	62	69	78
30°	24	28	32	36	42	47	53	60	67	76	85
28.75°	26	30	34	39	45	51	58	65	73	83	92
27.5°	28	32	37	42	48	55	62	70	80	89	101
26.25°	30	34	39	45	51	59	66	76	86	97	109
25°	31	36	42	48	55	63	71	82	92	105	117
23.75°	33	39	45	51	59	66	77	87	99	112	125
22.5°	35	41	47	54	62	71	82	93	106	120	135
21.25°	37	43	50	58	66	76	87	99	113	127	144
20°	39	45	52	61	69	81	92	105	119	135	153
18.75°	41	47	55	63	74	85	97	111	126	143	161
17.5°	43	49	58	66	77	89	103	117	133	151	170
16.25°	45	52	60	69	81	93	108	122	140	158	179
15°	46	54	63	73	85	97	112	128	146	165	187
13.75°	48	56	65	76	88	102	117	133	152	172	195
12.5°	49	58	67	79	91	105	121	139	158	179	203
11.25°	51	60	69	81	94	109	124	143	163	186	209
10°	52	61	71	83	97	112	128	148	168	192	216
8.75°	53	62	73	85	99	115	132	152	173	197	222
7.5°	55	64	75	87	102	117	135	155	177	201	227
6.25°	56	65	76	89	104	119	138	158	181	205	232
5°	56	65	77	90	105	121	140	160	184	208	236
3.75°	57	66	78	91	107	122	142	162	186	211	239
2.5°	57	67	79	92	107	123	143	163	188	212	241
1.25°	58	67	79	92	108	124	144	164	189	213	242
0°	58	67	79	92	108	124	144	164	189	214	243
-1.25°	58	67	79	92	108	124	144	164	189	213	242
-2.5°	57	67	79	92	107	123	143	163	188	212	241
-3.75°	57	66	78	91	107	122	142	162	186	211	239
-5°	56	65	77	90	105	121	140	160	184	208	236
-6.25°	56	65	76	89	104	119	138	158	181	205	232
-7.5°	55	64	75	87	102	117	135	155	177	201	227
-8.75°	53	62	73	85	99	115	132	152	173	197	222
-10°	52	61	71	83	97	112	128	148	168	192	216
-11.25°	51	60	69	81	94	109	124	143	163	186	209
-12.5°	49	58	67	79	91	105	121	139	158	179	203
-13.75°	48	56	65	76	88	102	117	133	152	172	195
-15°	46	54	63	73	85	97	112	128	146	165	187
-16.25°	45	52	60	69	81	93	108	122	140	158	179
-17.5°	43	49	58	66	77	89	103	117	133	151	170
-18.75°	41	47	55	63	74	85	97	111	126	143	161
-20°	39	45	52	61	69	81	92	105	119	135	153
-21.25°	37	43	50	58	66	76	87	99	113	127	144



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	35	41	47	54	62	71	82	93	106	120	135
-23.75°	33	39	45	51	59	66	77	87	99	112	125
-25°	31	36	42	48	55	63	71	82	92	105	117
-26.25°	30	34	39	45	51	59	66	76	86	97	109
-27.5°	28	32	37	42	48	55	62	70	80	89	101
-28.75°	26	30	34	39	45	51	58	65	73	83	92
-30°	24	28	32	36	42	47	53	60	67	76	85
-31.25°	22	25	29	33	38	43	49	55	62	69	78
-32.5°	21	23	27	31	35	40	45	50	57	63	70
-33.75°	19	22	25	29	32	36	41	46	52	58	64
-35°	17	20	23	26	30	33	38	42	47	52	58
-36.25°	16	18	21	24	27	30	34	38	43	47	53
-37.5°	15	16	19	22	24	28	31	34	39	43	47
-38.75°	13	15	17	20	22	25	28	31	35	39	43
-40°	12	14	15	17	20	22	25	28	31	34	38
-41.25°	11	12	14	16	18	20	22	25	28	31	34
-42.5°	10	11	13	14	16	18	20	22	25	28	30
-43.75°	9	10	11	13	14	16	18	20	22	24	27
-45°	8	9	10	11	13	14	16	17	20	22	24
-46.25°	7	8	9	10	11	13	14	15	17	19	21
-47.5°	7	7	8	9	10	11	12	14	15	16	18
-48.75°	6	7	7	8	9	10	11	12	13	15	16
-50°	5	6	7	7	8	9	10	11	11	13	14
-51.25°	5	5	6	7	7	8	9	9	10	11	12
-52.5°	4	4	5	6	6	7	8	8	9	10	10
-53.75°	3	4	4	5	5	6	7	7	8	8	9
-55°	2	3	4	4	5	5	6	6	7	7	8
-56.25°	2	2	3	3	4	4	5	5	6	6	7
-57.5°	2	2	2	3	3	3	4	4	5	5	6
-58.75°	2	2	2	2	2	3	3	4	4	4	5
-60°	1	2	2	2	2	2	2	3	3	4	4
-61.25°	1	1	2	2	2	2	2	2	2	3	3
-62.5°	1	1	1	1	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	2	2	2	2	2
-65°	0	1	1	1	1	1	1	1	1	2	2
-66.25°	0	0	0	1	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	1	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	1	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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	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	1	1	1	1	1
70°	0	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	2
67.5°	1	1	1	1	1	2	2	2	2	2	2
66.25°	1	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	3	3	3	3
63.75°	2	2	2	2	3	3	3	4	4	4	4
62.5°	3	3	3	3	4	4	4	5	5	5	5
61.25°	3	4	4	4	5	5	5	6	6	6	7
60°	4	5	5	6	6	6	7	7	7	8	8
58.75°	5	6	6	7	7	7	8	8	9	9	9
57.5°	6	7	7	8	8	9	9	10	10	11	11
56.25°	7	8	8	9	10	10	11	11	12	12	13
55°	9	9	10	10	11	12	13	13	14	15	15
53.75°	10	11	11	12	13	14	15	16	16	17	18
52.5°	11	12	13	14	15	16	17	18	20	21	22
51.25°	13	14	15	16	18	19	20	22	23	24	26
50°	15	16	18	19	21	22	24	25	27	29	30
48.75°	17	19	21	22	24	26	28	30	31	33	35
47.5°	20	22	23	25	28	30	32	34	36	39	41
46.25°	23	25	27	29	32	34	37	39	42	45	47
45°	26	29	31	33	36	39	42	45	48	51	54
43.75°	30	32	35	38	42	45	48	51	55	59	62
42.5°	33	36	40	43	47	51	55	59	63	66	71
41.25°	38	41	45	49	53	58	62	66	71	77	82
40°	42	46	50	55	60	65	70	76	82	87	93
38.75°	47	52	57	62	67	73	80	86	92	99	106
37.5°	52	58	63	69	76	83	89	97	105	112	120
36.25°	58	64	70	78	85	92	101	109	117	125	135
35°	64	71	79	87	94	104	113	121	131	141	151



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	71	79	87	96	106	115	125	136	147	157	168
32.5°	79	87	96	107	117	127	139	151	162	175	188
31.25°	87	96	107	117	128	141	153	165	180	194	207
30°	94	106	117	128	142	155	168	183	198	212	229
28.75°	104	115	127	141	155	169	185	201	216	234	251
27.5°	113	125	139	153	168	185	202	218	237	255	273
26.25°	121	136	151	165	183	201	218	238	257	277	298
25°	131	147	162	180	198	216	237	257	278	301	323
23.75°	141	157	175	194	212	234	255	277	301	324	348
22.5°	151	168	188	207	229	251	273	298	323	348	373
21.25°	161	180	200	221	244	267	293	319	345	371	398
20°	171	192	212	236	260	285	312	339	367	394	421
18.75°	181	203	225	250	274	303	330	359	388	417	443
17.5°	191	213	238	263	291	320	349	379	409	437	462
16.25°	201	224	250	276	306	336	367	398	427	455	481
15°	210	235	261	290	321	351	384	415	445	472	498
13.75°	219	246	272	303	334	367	399	431	460	487	513
12.5°	228	255	284	315	347	381	414	445	474	501	526
11.25°	236	263	294	326	360	394	427	458	487	514	539
10°	243	271	304	336	371	405	439	469	498	525	551
8.75°	250	279	312	345	381	416	449	479	508	534	562
7.5°	256	286	320	354	390	425	457	488	516	543	571
6.25°	261	292	326	361	397	432	464	495	523	551	579
5°	265	297	331	367	403	438	470	501	529	557	585
3.75°	268	301	335	371	408	443	475	505	533	562	590
2.5°	270	304	338	375	412	446	478	508	537	566	594
1.25°	271	306	340	377	414	448	480	510	539	568	596
0°	272	306	341	377	414	449	481	511	539	569	597
-1.25°	271	306	340	377	414	448	480	510	539	568	596
-2.5°	270	304	338	375	412	446	478	508	537	566	594
-3.75°	268	301	335	371	408	443	475	505	533	562	590
-5°	265	297	331	367	403	438	470	501	529	557	585
-6.25°	261	292	326	361	397	432	464	495	523	551	579
-7.5°	256	286	320	354	390	425	457	488	516	543	571
-8.75°	250	279	312	345	381	416	449	479	508	534	562
-10°	243	271	304	336	371	405	439	469	498	525	551
-11.25°	236	263	294	326	360	394	427	458	487	514	539
-12.5°	228	255	284	315	347	381	414	445	474	501	526
-13.75°	219	246	272	303	334	367	399	431	460	487	513
-15°	210	235	261	290	321	351	384	415	445	472	498
-16.25°	201	224	250	276	306	336	367	398	427	455	481
-17.5°	191	213	238	263	291	320	349	379	409	437	462
-18.75°	181	203	225	250	274	303	330	359	388	417	443
-20°	171	192	212	236	260	285	312	339	367	394	421
-21.25°	161	180	200	221	244	267	293	319	345	371	398





REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	151	168	188	207	229	251	273	298	323	348	373
-23.75°	141	157	175	194	212	234	255	277	301	324	348
-25°	131	147	162	180	198	216	237	257	278	301	323
-26.25°	121	136	151	165	183	201	218	238	257	277	298
-27.5°	113	125	139	153	168	185	202	218	237	255	273
-28.75°	104	115	127	141	155	169	185	201	216	234	251
-30°	94	106	117	128	142	155	168	183	198	212	229
-31.25°	87	96	107	117	128	141	153	165	180	194	207
-32.5°	79	87	96	107	117	127	139	151	162	175	188
-33.75°	71	79	87	96	106	115	125	136	147	157	168
-35°	64	71	79	87	94	104	113	121	131	141	151
-36.25°	58	64	70	78	85	92	101	109	117	125	135
-37.5°	52	58	63	69	76	83	89	97	105	112	120
-38.75°	47	52	57	62	67	73	80	86	92	99	106
-40°	42	46	50	55	60	65	70	76	82	87	93
-41.25°	38	41	45	49	53	58	62	66	71	77	82
-42.5°	33	36	40	43	47	51	55	59	63	66	71
-43.75°	30	32	35	38	42	45	48	51	55	59	62
-45°	26	29	31	33	36	39	42	45	48	51	54
-46.25°	23	25	27	29	32	34	37	39	42	45	47
-47.5°	20	22	23	25	28	30	32	34	36	39	41
-48.75°	17	19	21	22	24	26	28	30	31	33	35
-50°	15	16	18	19	21	22	24	25	27	29	30
-51.25°	13	14	15	16	18	19	20	22	23	24	26
-52.5°	11	12	13	14	15	16	17	18	20	21	22
-53.75°	10	11	11	12	13	14	15	16	16	17	18
-55°	9	9	10	10	11	12	13	13	14	15	15
-56.25°	7	8	8	9	10	10	11	11	12	12	13
-57.5°	6	7	7	8	8	9	9	10	10	11	11
-58.75°	5	6	6	7	7	7	8	8	9	9	9
-60°	4	5	5	6	6	6	7	7	7	8	8
-61.25°	3	4	4	4	5	5	5	6	6	6	7
-62.5°	3	3	3	3	4	4	4	5	5	5	5
-63.75°	2	2	2	2	3	3	3	4	4	4	4
-65°	2	2	2	2	2	2	2	3	3	3	3
-66.25°	1	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	2
-70°	0	1	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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	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	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	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	3
66.25°	2	3	3	3	3	3	3	3	3	4	4
65°	3	4	4	4	4	4	4	5	5	5	5
63.75°	5	5	5	5	5	6	6	6	6	6	6
62.5°	6	6	6	6	7	7	7	7	7	7	7
61.25°	7	7	7	8	8	8	8	9	9	9	9
60°	8	9	9	9	9	10	10	10	10	11	11
58.75°	10	10	10	11	11	11	12	12	13	13	13
57.5°	11	12	13	13	13	14	14	15	15	15	16
56.25°	14	14	15	15	16	16	17	18	18	19	19
55°	16	17	18	19	19	20	21	21	22	22	23
53.75°	19	20	21	22	23	24	25	25	26	27	27
52.5°	23	24	25	26	27	29	30	30	31	32	33
51.25°	27	29	30	31	32	33	34	36	37	38	39
50°	32	33	35	36	38	40	41	42	43	45	46
48.75°	37	39	41	43	45	46	48	49	51	52	53
47.5°	43	45	47	49	52	54	56	58	60	61	62
46.25°	50	52	55	58	60	63	65	67	69	71	73
45°	58	61	63	66	69	73	76	79	81	83	85
43.75°	66	69	74	77	81	85	88	91	94	97	99
42.5°	76	81	85	89	93	97	102	105	109	112	115
41.25°	87	92	97	103	108	112	117	121	124	128	132
40°	99	105	111	117	122	128	133	139	143	148	152
38.75°	113	119	126	133	140	146	152	158	163	168	173
37.5°	127	135	143	151	158	165	172	179	186	192	197
36.25°	144	153	161	170	179	187	195	203	209	216	222
35°	161	171	181	191	201	210	219	228	236	243	250



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	180	192	203	213	224	235	246	255	263	271	279
32.5°	200	212	225	238	250	261	272	284	294	304	312
31.25°	221	236	250	263	276	290	303	315	326	336	345
30°	244	260	274	291	306	321	334	347	360	371	381
28.75°	267	285	303	320	336	351	367	381	394	405	416
27.5°	293	312	330	349	367	384	399	414	427	439	449
26.25°	319	339	359	379	398	415	431	445	458	469	479
25°	345	367	388	409	427	445	460	474	487	498	508
23.75°	371	394	417	437	455	472	487	501	514	525	534
22.5°	398	421	443	462	481	498	513	526	539	551	562
21.25°	423	446	467	487	505	521	536	551	565	577	588
20°	446	468	490	509	527	544	560	575	589	603	615
18.75°	467	490	510	530	548	566	583	599	615	629	641
17.5°	487	509	530	550	570	588	606	623	639	653	667
16.25°	505	527	548	570	590	609	628	646	663	679	694
15°	521	544	566	588	609	630	650	669	687	705	721
13.75°	536	560	583	606	628	650	671	691	711	730	748
12.5°	551	575	599	623	646	669	691	714	735	756	773
11.25°	565	589	615	639	663	687	711	735	758	778	795
10°	577	603	629	653	679	705	730	756	778	798	815
8.75°	588	615	641	667	694	721	748	773	795	815	832
7.5°	598	625	652	679	707	736	764	788	810	830	847
6.25°	606	634	662	690	719	749	776	801	823	843	860
5°	614	642	670	699	729	760	787	811	833	853	872
3.75°	619	647	677	706	738	768	795	819	842	861	880
2.5°	623	652	681	712	744	774	801	825	847	868	886
1.25°	626	654	684	715	747	777	804	828	850	872	890
0°	627	655	685	716	748	778	805	830	851	873	891
-1.25°	626	654	684	715	747	777	804	828	850	872	890
-2.5°	623	652	681	712	744	774	801	825	847	868	886
-3.75°	619	647	677	706	738	768	795	819	842	861	880
-5°	614	642	670	699	729	760	787	811	833	853	872
-6.25°	606	634	662	690	719	749	776	801	823	843	860
-7.5°	598	625	652	679	707	736	764	788	810	830	847
-8.75°	588	615	641	667	694	721	748	773	795	815	832
-10°	577	603	629	653	679	705	730	756	778	798	815
-11.25°	565	589	615	639	663	687	711	735	758	778	795
-12.5°	551	575	599	623	646	669	691	714	735	756	773
-13.75°	536	560	583	606	628	650	671	691	711	730	748
-15°	521	544	566	588	609	630	650	669	687	705	721
-16.25°	505	527	548	570	590	609	628	646	663	679	694
-17.5°	487	509	530	550	570	588	606	623	639	653	667
-18.75°	467	490	510	530	548	566	583	599	615	629	641
-20°	446	468	490	509	527	544	560	575	589	603	615
-21.25°	423	446	467	487	505	521	536	551	565	577	588



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	398	421	443	462	481	498	513	526	539	551	562
-23.75°	371	394	417	437	455	472	487	501	514	525	534
-25°	345	367	388	409	427	445	460	474	487	498	508
-26.25°	319	339	359	379	398	415	431	445	458	469	479
-27.5°	293	312	330	349	367	384	399	414	427	439	449
-28.75°	267	285	303	320	336	351	367	381	394	405	416
-30°	244	260	274	291	306	321	334	347	360	371	381
-31.25°	221	236	250	263	276	290	303	315	326	336	345
-32.5°	200	212	225	238	250	261	272	284	294	304	312
-33.75°	180	192	203	213	224	235	246	255	263	271	279
-35°	161	171	181	191	201	210	219	228	236	243	250
-36.25°	144	153	161	170	179	187	195	203	209	216	222
-37.5°	127	135	143	151	158	165	172	179	186	192	197
-38.75°	113	119	126	133	140	146	152	158	163	168	173
-40°	99	105	111	117	122	128	133	139	143	148	152
-41.25°	87	92	97	103	108	112	117	121	124	128	132
-42.5°	76	81	85	89	93	97	102	105	109	112	115
-43.75°	66	69	74	77	81	85	88	91	94	97	99
-45°	58	61	63	66	69	73	76	79	81	83	85
-46.25°	50	52	55	58	60	63	65	67	69	71	73
-47.5°	43	45	47	49	52	54	56	58	60	61	62
-48.75°	37	39	41	43	45	46	48	49	51	52	53
-50°	32	33	35	36	38	40	41	42	43	45	46
-51.25°	27	29	30	31	32	33	34	36	37	38	39
-52.5°	23	24	25	26	27	29	30	30	31	32	33
-53.75°	19	20	21	22	23	24	25	25	26	27	27
-55°	16	17	18	19	19	20	21	21	22	22	23
-56.25°	14	14	15	15	16	16	17	18	18	19	19
-57.5°	11	12	13	13	13	14	14	15	15	15	16
-58.75°	10	10	10	11	11	11	12	12	13	13	13
-60°	8	9	9	9	9	10	10	10	10	11	11
-61.25°	7	7	7	8	8	8	8	9	9	9	9
-62.5°	6	6	6	6	7	7	7	7	7	7	7
-63.75°	5	5	5	5	5	6	6	6	6	6	6
-65°	3	4	4	4	4	4	4	5	5	5	5
-66.25°	2	3	3	3	3	3	3	3	3	4	4
-67.5°	2	2	2	2	2	2	2	2	2	2	3
-68.75°	2	2	2	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	1	1
-72.5°	0	1	1	1	1	1	1	1	1	1	1
-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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	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°	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	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	3	3	3	3	3	3	3	3	3	3	3
66.25°	4	4	4	4	4	4	4	4	4	4	4
65°	5	5	5	5	5	5	5	5	5	5	5
63.75°	6	6	6	6	6	6	7	6	6	6	6
62.5°	8	8	8	8	8	8	8	8	8	8	8
61.25°	9	9	9	9	10	10	10	10	10	9	9
60°	11	11	11	11	11	11	11	11	11	11	11
58.75°	13	13	14	14	14	14	14	14	14	14	14
57.5°	16	16	16	16	16	16	17	16	16	16	16
56.25°	19	20	20	20	20	20	20	20	20	20	20
55°	23	24	24	24	24	24	24	24	24	24	24
53.75°	28	28	29	29	29	29	30	29	29	29	29
52.5°	33	34	34	34	35	35	35	35	35	34	34
51.25°	39	40	41	41	41	42	42	42	41	41	41
50°	46	47	48	48	48	49	49	49	48	48	48
48.75°	55	56	56	57	57	58	58	58	57	57	56
47.5°	64	65	65	66	67	67	67	67	67	66	65
46.25°	75	76	77	78	79	79	79	79	79	78	77
45°	87	89	90	91	92	92	92	92	92	91	90
43.75°	102	104	105	107	107	108	108	108	107	107	105
42.5°	117	119	121	122	123	124	124	124	123	122	121
41.25°	135	138	140	142	143	144	144	144	143	142	140
40°	155	158	160	162	163	164	164	164	163	162	160
38.75°	177	181	184	186	188	189	189	189	188	186	184
37.5°	201	205	208	211	212	213	214	213	212	211	208
36.25°	227	232	236	239	241	242	243	242	241	239	236
35°	256	261	265	268	270	271	272	271	270	268	265



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	286	292	297	301	304	306	306	306	304	301	297
32.5°	320	326	331	335	338	340	341	340	338	335	331
31.25°	354	361	367	371	375	377	377	377	375	371	367
30°	390	397	403	408	412	414	414	414	412	408	403
28.75°	425	432	438	443	446	448	449	448	446	443	438
27.5°	457	464	470	475	478	480	481	480	478	475	470
26.25°	488	495	501	505	508	510	511	510	508	505	501
25°	516	523	529	533	537	539	539	539	537	533	529
23.75°	543	551	557	562	566	568	569	568	566	562	557
22.5°	571	579	585	590	594	596	597	596	594	590	585
21.25°	598	606	614	619	623	626	627	626	623	619	614
20°	625	634	642	647	652	654	655	654	652	647	642
18.75°	652	662	670	677	681	684	685	684	681	677	670
17.5°	679	690	699	706	712	715	716	715	712	706	699
16.25°	707	719	729	738	744	747	748	747	744	738	729
15°	736	749	760	768	774	777	778	777	774	768	760
13.75°	764	776	787	795	801	804	805	804	801	795	787
12.5°	788	801	811	819	825	828	830	828	825	819	811
11.25°	810	823	833	842	847	850	851	850	847	842	833
10°	830	843	853	861	868	872	873	872	868	861	853
8.75°	847	860	872	880	886	890	891	890	886	880	872
7.5°	863	877	888	895	901	903	904	903	901	895	888
6.25°	877	890	900	905	908	908	908	908	908	905	900
5°	888	900	907	908	907	906	905	906	907	908	907
3.75°	895	905	908	906	902	899	897	899	902	906	908
2.5°	901	908	907	902	895	890	888	890	895	902	907
1.25°	903	908	906	899	890	884	884	884	890	899	906
0°	904	908	905	897	888	884	884	884	888	897	905
-1.25°	903	908	906	899	890	884	884	884	890	899	906
-2.5°	901	908	907	902	895	890	888	890	895	902	907
-3.75°	895	905	908	906	902	899	897	899	902	906	908
-5°	888	900	907	908	907	906	905	906	907	908	907
-6.25°	877	890	900	905	908	908	908	908	908	905	900
-7.5°	863	877	888	895	901	903	904	903	901	895	888
-8.75°	847	860	872	880	886	890	891	890	886	880	872
-10°	830	843	853	861	868	872	873	872	868	861	853
-11.25°	810	823	833	842	847	850	851	850	847	842	833
-12.5°	788	801	811	819	825	828	830	828	825	819	811
-13.75°	764	776	787	795	801	804	805	804	801	795	787
-15°	736	749	760	768	774	777	778	777	774	768	760
-16.25°	707	719	729	738	744	747	748	747	744	738	729
-17.5°	679	690	699	706	712	715	716	715	712	706	699
-18.75°	652	662	670	677	681	684	685	684	681	677	670
-20°	625	634	642	647	652	654	655	654	652	647	642
-21.25°	598	606	614	619	623	626	627	626	623	619	614





REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	571	579	585	590	594	596	597	596	594	590	585
-23.75°	543	551	557	562	566	568	569	568	566	562	557
-25°	516	523	529	533	537	539	539	539	537	533	529
-26.25°	488	495	501	505	508	510	511	510	508	505	501
-27.5°	457	464	470	475	478	480	481	480	478	475	470
-28.75°	425	432	438	443	446	448	449	448	446	443	438
-30°	390	397	403	408	412	414	414	414	412	408	403
-31.25°	354	361	367	371	375	377	377	377	375	371	367
-32.5°	320	326	331	335	338	340	341	340	338	335	331
-33.75°	286	292	297	301	304	306	306	306	304	301	297
-35°	256	261	265	268	270	271	272	271	270	268	265
-36.25°	227	232	236	239	241	242	243	242	241	239	236
-37.5°	201	205	208	211	212	213	214	213	212	211	208
-38.75°	177	181	184	186	188	189	189	189	188	186	184
-40°	155	158	160	162	163	164	164	164	163	162	160
-41.25°	135	138	140	142	143	144	144	144	143	142	140
-42.5°	117	119	121	122	123	124	124	124	123	122	121
-43.75°	102	104	105	107	107	108	108	108	107	107	105
-45°	87	89	90	91	92	92	92	92	92	91	90
-46.25°	75	76	77	78	79	79	79	79	79	78	77
-47.5°	64	65	65	66	67	67	67	67	67	66	65
-48.75°	55	56	56	57	57	58	58	58	57	57	56
-50°	46	47	48	48	48	49	49	49	48	48	48
-51.25°	39	40	41	41	41	42	42	42	41	41	41
-52.5°	33	34	34	34	35	35	35	35	35	34	34
-53.75°	28	28	29	29	29	29	30	29	29	29	29
-55°	23	24	24	24	24	24	24	24	24	24	24
-56.25°	19	20	20	20	20	20	20	20	20	20	20
-57.5°	16	16	16	16	16	16	17	16	16	16	16
-58.75°	13	13	14	14	14	14	14	14	14	14	14
-60°	11	11	11	11	11	11	11	11	11	11	11
-61.25°	9	9	9	9	10	10	10	10	10	9	9
-62.5°	8	8	8	8	8	8	8	8	8	8	8
-63.75°	6	6	6	6	6	6	7	6	6	6	6
-65°	5	5	5	5	5	5	5	5	5	5	5
-66.25°	4	4	4	4	4	4	4	4	4	4	4
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-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	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	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°	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	2	2	2	2	2	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	3	3	3	2	2	2	2	2	2	2	2
66.25°	4	4	4	4	3	3	3	3	3	3	3
65°	5	5	5	5	5	5	4	4	4	4	4
63.75°	6	6	6	6	6	6	6	6	5	5	5
62.5°	8	8	7	7	7	7	7	7	7	6	6
61.25°	9	9	9	9	9	9	8	8	8	8	7
60°	11	11	11	11	10	10	10	10	9	9	9
58.75°	13	13	13	13	13	12	12	11	11	11	10
57.5°	16	16	16	15	15	15	14	14	13	13	13
56.25°	20	19	19	19	18	18	17	16	16	15	15
55°	24	23	23	22	22	21	21	20	19	19	18
53.75°	28	28	27	27	26	25	25	24	23	22	21
52.5°	34	33	33	32	31	30	30	29	27	26	25
51.25°	40	39	39	38	37	36	34	33	32	31	30
50°	47	46	46	45	43	42	41	40	38	36	35
48.75°	56	55	53	52	51	49	48	46	45	43	41
47.5°	65	64	62	61	60	58	56	54	52	49	47
46.25°	76	75	73	71	69	67	65	63	60	58	55
45°	89	87	85	83	81	79	76	73	69	66	63
43.75°	104	102	99	97	94	91	88	85	81	77	74
42.5°	119	117	115	112	109	105	102	97	93	89	85
41.25°	138	135	132	128	124	121	117	112	108	103	97
40°	158	155	152	148	143	139	133	128	122	117	111
38.75°	181	177	173	168	163	158	152	146	140	133	126
37.5°	205	201	197	192	186	179	172	165	158	151	143
36.25°	232	227	222	216	209	203	195	187	179	170	161
35°	261	256	250	243	236	228	219	210	201	191	181



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	292	286	279	271	263	255	246	235	224	213	203
32.5°	326	320	312	304	294	284	272	261	250	238	225
31.25°	361	354	345	336	326	315	303	290	276	263	250
30°	397	390	381	371	360	347	334	321	306	291	274
28.75°	432	425	416	405	394	381	367	351	336	320	303
27.5°	464	457	449	439	427	414	399	384	367	349	330
26.25°	495	488	479	469	458	445	431	415	398	379	359
25°	523	516	508	498	487	474	460	445	427	409	388
23.75°	551	543	534	525	514	501	487	472	455	437	417
22.5°	579	571	562	551	539	526	513	498	481	462	443
21.25°	606	598	588	577	565	551	536	521	505	487	467
20°	634	625	615	603	589	575	560	544	527	509	490
18.75°	662	652	641	629	615	599	583	566	548	530	510
17.5°	690	679	667	653	639	623	606	588	570	550	530
16.25°	719	707	694	679	663	646	628	609	590	570	548
15°	749	736	721	705	687	669	650	630	609	588	566
13.75°	776	764	748	730	711	691	671	650	628	606	583
12.5°	801	788	773	756	735	714	691	669	646	623	599
11.25°	823	810	795	778	758	735	711	687	663	639	615
10°	843	830	815	798	778	756	730	705	679	653	629
8.75°	860	847	832	815	795	773	748	721	694	667	641
7.5°	877	863	847	830	810	788	764	736	707	679	652
6.25°	890	877	860	843	823	801	776	749	719	690	662
5°	900	888	872	853	833	811	787	760	729	699	670
3.75°	905	895	880	861	842	819	795	768	738	706	677
2.5°	908	901	886	868	847	825	801	774	744	712	681
1.25°	908	903	890	872	850	828	804	777	747	715	684
0°	908	904	891	873	851	830	805	778	748	716	685
-1.25°	908	903	890	872	850	828	804	777	747	715	684
-2.5°	908	901	886	868	847	825	801	774	744	712	681
-3.75°	905	895	880	861	842	819	795	768	738	706	677
-5°	900	888	872	853	833	811	787	760	729	699	670
-6.25°	890	877	860	843	823	801	776	749	719	690	662
-7.5°	877	863	847	830	810	788	764	736	707	679	652
-8.75°	860	847	832	815	795	773	748	721	694	667	641
-10°	843	830	815	798	778	756	730	705	679	653	629
-11.25°	823	810	795	778	758	735	711	687	663	639	615
-12.5°	801	788	773	756	735	714	691	669	646	623	599
-13.75°	776	764	748	730	711	691	671	650	628	606	583
-15°	749	736	721	705	687	669	650	630	609	588	566
-16.25°	719	707	694	679	663	646	628	609	590	570	548
-17.5°	690	679	667	653	639	623	606	588	570	550	530
-18.75°	662	652	641	629	615	599	583	566	548	530	510
-20°	634	625	615	603	589	575	560	544	527	509	490
-21.25°	606	598	588	577	565	551	536	521	505	487	467



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	579	571	562	551	539	526	513	498	481	462	443
-23.75°	551	543	534	525	514	501	487	472	455	437	417
-25°	523	516	508	498	487	474	460	445	427	409	388
-26.25°	495	488	479	469	458	445	431	415	398	379	359
-27.5°	464	457	449	439	427	414	399	384	367	349	330
-28.75°	432	425	416	405	394	381	367	351	336	320	303
-30°	397	390	381	371	360	347	334	321	306	291	274
-31.25°	361	354	345	336	326	315	303	290	276	263	250
-32.5°	326	320	312	304	294	284	272	261	250	238	225
-33.75°	292	286	279	271	263	255	246	235	224	213	203
-35°	261	256	250	243	236	228	219	210	201	191	181
-36.25°	232	227	222	216	209	203	195	187	179	170	161
-37.5°	205	201	197	192	186	179	172	165	158	151	143
-38.75°	181	177	173	168	163	158	152	146	140	133	126
-40°	158	155	152	148	143	139	133	128	122	117	111
-41.25°	138	135	132	128	124	121	117	112	108	103	97
-42.5°	119	117	115	112	109	105	102	97	93	89	85
-43.75°	104	102	99	97	94	91	88	85	81	77	74
-45°	89	87	85	83	81	79	76	73	69	66	63
-46.25°	76	75	73	71	69	67	65	63	60	58	55
-47.5°	65	64	62	61	60	58	56	54	52	49	47
-48.75°	56	55	53	52	51	49	48	46	45	43	41
-50°	47	46	46	45	43	42	41	40	38	36	35
-51.25°	40	39	39	38	37	36	34	33	32	31	30
-52.5°	34	33	33	32	31	30	30	29	27	26	25
-53.75°	28	28	27	27	26	25	25	24	23	22	21
-55°	24	23	23	22	22	21	21	20	19	19	18
-56.25°	20	19	19	19	18	18	17	16	16	15	15
-57.5°	16	16	16	15	15	15	14	14	13	13	13
-58.75°	13	13	13	13	13	12	12	11	11	11	10
-60°	11	11	11	11	10	10	10	10	9	9	9
-61.25°	9	9	9	9	9	9	8	8	8	8	7
-62.5°	8	8	7	7	7	7	7	7	7	6	6
-63.75°	6	6	6	6	6	6	6	6	5	5	5
-65°	5	5	5	5	5	5	4	4	4	4	4
-66.25°	4	4	4	4	3	3	3	3	3	3	3
-67.5°	3	3	3	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	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	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	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°	1	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	2	2	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	1	1	1
66.25°	3	2	2	2	2	2	2	2	2	2	2
65°	4	3	3	3	3	3	2	2	2	2	2
63.75°	5	5	4	4	4	4	3	3	3	2	2
62.5°	6	6	5	5	5	5	4	4	4	3	3
61.25°	7	7	7	6	6	6	5	5	5	4	4
60°	9	8	8	8	7	7	7	6	6	6	5
58.75°	10	10	9	9	9	8	8	7	7	7	6
57.5°	12	11	11	11	10	10	9	9	8	8	7
56.25°	14	14	13	12	12	11	11	10	10	9	8
55°	17	16	15	15	14	13	13	12	11	10	10
53.75°	20	19	18	17	16	16	15	14	13	12	11
52.5°	24	23	22	21	20	18	17	16	15	14	13
51.25°	29	27	26	24	23	22	20	19	18	16	15
50°	33	32	30	29	27	25	24	22	21	19	18
48.75°	39	37	35	33	31	30	28	26	24	22	21
47.5°	45	43	41	39	36	34	32	30	28	25	23
46.25°	52	50	47	45	42	39	37	34	32	29	27
45°	61	58	54	51	48	45	42	39	36	33	31
43.75°	69	66	62	59	55	51	48	45	42	38	35
42.5°	81	76	71	66	63	59	55	51	47	43	40
41.25°	92	87	82	77	71	66	62	58	53	49	45
40°	105	99	93	87	82	76	70	65	60	55	50
38.75°	119	113	106	99	92	86	80	73	67	62	57
37.5°	135	127	120	112	105	97	89	83	76	69	63
36.25°	153	144	135	125	117	109	101	92	85	78	70
35°	171	161	151	141	131	121	113	104	94	87	79



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	192	180	168	157	147	136	125	115	106	96	87
32.5°	212	200	188	175	162	151	139	127	117	107	96
31.25°	236	221	207	194	180	165	153	141	128	117	107
30°	260	244	229	212	198	183	168	155	142	128	117
28.75°	285	267	251	234	216	201	185	169	155	141	127
27.5°	312	293	273	255	237	218	202	185	168	153	139
26.25°	339	319	298	277	257	238	218	201	183	165	151
25°	367	345	323	301	278	257	237	216	198	180	162
23.75°	394	371	348	324	301	277	255	234	212	194	175
22.5°	421	398	373	348	323	298	273	251	229	207	188
21.25°	446	423	398	371	345	319	293	267	244	221	200
20°	468	446	421	394	367	339	312	285	260	236	212
18.75°	490	467	443	417	388	359	330	303	274	250	225
17.5°	509	487	462	437	409	379	349	320	291	263	238
16.25°	527	505	481	455	427	398	367	336	306	276	250
15°	544	521	498	472	445	415	384	351	321	290	261
13.75°	560	536	513	487	460	431	399	367	334	303	272
12.5°	575	551	526	501	474	445	414	381	347	315	284
11.25°	589	565	539	514	487	458	427	394	360	326	294
10°	603	577	551	525	498	469	439	405	371	336	304
8.75°	615	588	562	534	508	479	449	416	381	345	312
7.5°	625	598	571	543	516	488	457	425	390	354	320
6.25°	634	606	579	551	523	495	464	432	397	361	326
5°	642	614	585	557	529	501	470	438	403	367	331
3.75°	647	619	590	562	533	505	475	443	408	371	335
2.5°	652	623	594	566	537	508	478	446	412	375	338
1.25°	654	626	596	568	539	510	480	448	414	377	340
0°	655	627	597	569	539	511	481	449	414	377	341
-1.25°	654	626	596	568	539	510	480	448	414	377	340
-2.5°	652	623	594	566	537	508	478	446	412	375	338
-3.75°	647	619	590	562	533	505	475	443	408	371	335
-5°	642	614	585	557	529	501	470	438	403	367	331
-6.25°	634	606	579	551	523	495	464	432	397	361	326
-7.5°	625	598	571	543	516	488	457	425	390	354	320
-8.75°	615	588	562	534	508	479	449	416	381	345	312
-10°	603	577	551	525	498	469	439	405	371	336	304
-11.25°	589	565	539	514	487	458	427	394	360	326	294
-12.5°	575	551	526	501	474	445	414	381	347	315	284
-13.75°	560	536	513	487	460	431	399	367	334	303	272
-15°	544	521	498	472	445	415	384	351	321	290	261
-16.25°	527	505	481	455	427	398	367	336	306	276	250
-17.5°	509	487	462	437	409	379	349	320	291	263	238
-18.75°	490	467	443	417	388	359	330	303	274	250	225
-20°	468	446	421	394	367	339	312	285	260	236	212
-21.25°	446	423	398	371	345	319	293	267	244	221	200





REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	421	398	373	348	323	298	273	251	229	207	188
-23.75°	394	371	348	324	301	277	255	234	212	194	175
-25°	367	345	323	301	278	257	237	216	198	180	162
-26.25°	339	319	298	277	257	238	218	201	183	165	151
-27.5°	312	293	273	255	237	218	202	185	168	153	139
-28.75°	285	267	251	234	216	201	185	169	155	141	127
-30°	260	244	229	212	198	183	168	155	142	128	117
-31.25°	236	221	207	194	180	165	153	141	128	117	107
-32.5°	212	200	188	175	162	151	139	127	117	107	96
-33.75°	192	180	168	157	147	136	125	115	106	96	87
-35°	171	161	151	141	131	121	113	104	94	87	79
-36.25°	153	144	135	125	117	109	101	92	85	78	70
-37.5°	135	127	120	112	105	97	89	83	76	69	63
-38.75°	119	113	106	99	92	86	80	73	67	62	57
-40°	105	99	93	87	82	76	70	65	60	55	50
-41.25°	92	87	82	77	71	66	62	58	53	49	45
-42.5°	81	76	71	66	63	59	55	51	47	43	40
-43.75°	69	66	62	59	55	51	48	45	42	38	35
-45°	61	58	54	51	48	45	42	39	36	33	31
-46.25°	52	50	47	45	42	39	37	34	32	29	27
-47.5°	45	43	41	39	36	34	32	30	28	25	23
-48.75°	39	37	35	33	31	30	28	26	24	22	21
-50°	33	32	30	29	27	25	24	22	21	19	18
-51.25°	29	27	26	24	23	22	20	19	18	16	15
-52.5°	24	23	22	21	20	18	17	16	15	14	13
-53.75°	20	19	18	17	16	16	15	14	13	12	11
-55°	17	16	15	15	14	13	13	12	11	10	10
-56.25°	14	14	13	12	12	11	11	10	10	9	8
-57.5°	12	11	11	11	10	10	9	9	8	8	7
-58.75°	10	10	9	9	9	8	8	7	7	7	6
-60°	9	8	8	8	7	7	7	6	6	6	5
-61.25°	7	7	7	6	6	6	5	5	5	4	4
-62.5°	6	6	5	5	5	5	4	4	4	3	3
-63.75°	5	5	4	4	4	4	3	3	3	2	2
-65°	4	3	3	3	3	3	2	2	2	2	2
-66.25°	3	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	1	1	1
-68.75°	2	2	2	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	0	0	0	0
-72.5°	1	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	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	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	1	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	0	0	0	0
66.25°	2	1	1	1	1	1	1	1	1	1	0
65°	2	2	2	2	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	1	1	1	1
62.5°	3	3	2	2	2	2	2	2	2	1	1
61.25°	4	3	3	3	2	2	2	2	2	2	2
60°	5	4	4	4	3	3	2	2	2	2	2
58.75°	6	5	5	4	4	4	3	3	2	2	2
57.5°	7	6	6	5	5	4	4	3	3	3	2
56.25°	8	7	7	6	6	5	5	4	4	3	3
55°	9	9	8	7	7	6	6	5	5	4	4
53.75°	11	10	9	8	8	7	7	6	5	5	4
52.5°	12	11	10	10	9	8	8	7	6	6	5
51.25°	14	13	12	11	10	9	9	8	7	7	6
50°	16	15	14	13	11	11	10	9	8	7	7
48.75°	19	17	16	15	13	12	11	10	9	8	7
47.5°	22	20	18	16	15	14	12	11	10	9	8
46.25°	25	23	21	19	17	15	14	13	11	10	9
45°	29	26	24	22	20	17	16	14	13	11	10
43.75°	32	30	27	24	22	20	18	16	14	13	11
42.5°	36	33	30	28	25	22	20	18	16	14	13
41.25°	41	38	34	31	28	25	22	20	18	16	14
40°	46	42	38	34	31	28	25	22	20	17	15
38.75°	52	47	43	39	35	31	28	25	22	20	17
37.5°	58	52	47	43	39	34	31	28	24	22	19
36.25°	64	58	53	47	43	38	34	30	27	24	21
35°	71	64	58	52	47	42	38	33	30	26	23



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	79	71	64	58	52	46	41	36	32	29	25
32.5°	87	79	70	63	57	50	45	40	35	31	27
31.25°	96	87	78	69	62	55	49	43	38	33	29
30°	106	94	85	76	67	60	53	47	42	36	32
28.75°	115	104	92	83	73	65	58	51	45	39	34
27.5°	125	113	101	89	80	70	62	55	48	42	37
26.25°	136	121	109	97	86	76	66	59	51	45	39
25°	147	131	117	105	92	82	71	63	55	48	42
23.75°	157	141	125	112	99	87	77	66	59	51	45
22.5°	168	151	135	120	106	93	82	71	62	54	47
21.25°	180	161	144	127	113	99	87	76	66	58	50
20°	192	171	153	135	119	105	92	81	69	61	52
18.75°	203	181	161	143	126	111	97	85	74	63	55
17.5°	213	191	170	151	133	117	103	89	77	66	58
16.25°	224	201	179	158	140	122	108	93	81	69	60
15°	235	210	187	165	146	128	112	97	85	73	63
13.75°	246	219	195	172	152	133	117	102	88	76	65
12.5°	255	228	203	179	158	139	121	105	91	79	67
11.25°	263	236	209	186	163	143	124	109	94	81	69
10°	271	243	216	192	168	148	128	112	97	83	71
8.75°	279	250	222	197	173	152	132	115	99	85	73
7.5°	286	256	227	201	177	155	135	117	102	87	75
6.25°	292	261	232	205	181	158	138	119	104	89	76
5°	297	265	236	208	184	160	140	121	105	90	77
3.75°	301	268	239	211	186	162	142	122	107	91	78
2.5°	304	270	241	212	188	163	143	123	107	92	79
1.25°	306	271	242	213	189	164	144	124	108	92	79
0°	306	272	243	214	189	164	144	124	108	92	79
-1.25°	306	271	242	213	189	164	144	124	108	92	79
-2.5°	304	270	241	212	188	163	143	123	107	92	79
-3.75°	301	268	239	211	186	162	142	122	107	91	78
-5°	297	265	236	208	184	160	140	121	105	90	77
-6.25°	292	261	232	205	181	158	138	119	104	89	76
-7.5°	286	256	227	201	177	155	135	117	102	87	75
-8.75°	279	250	222	197	173	152	132	115	99	85	73
-10°	271	243	216	192	168	148	128	112	97	83	71
-11.25°	263	236	209	186	163	143	124	109	94	81	69
-12.5°	255	228	203	179	158	139	121	105	91	79	67
-13.75°	246	219	195	172	152	133	117	102	88	76	65
-15°	235	210	187	165	146	128	112	97	85	73	63
-16.25°	224	201	179	158	140	122	108	93	81	69	60
-17.5°	213	191	170	151	133	117	103	89	77	66	58
-18.75°	203	181	161	143	126	111	97	85	74	63	55
-20°	192	171	153	135	119	105	92	81	69	61	52
-21.25°	180	161	144	127	113	99	87	76	66	58	50



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	168	151	135	120	106	93	82	71	62	54	47
-23.75°	157	141	125	112	99	87	77	66	59	51	45
-25°	147	131	117	105	92	82	71	63	55	48	42
-26.25°	136	121	109	97	86	76	66	59	51	45	39
-27.5°	125	113	101	89	80	70	62	55	48	42	37
-28.75°	115	104	92	83	73	65	58	51	45	39	34
-30°	106	94	85	76	67	60	53	47	42	36	32
-31.25°	96	87	78	69	62	55	49	43	38	33	29
-32.5°	87	79	70	63	57	50	45	40	35	31	27
-33.75°	79	71	64	58	52	46	41	36	32	29	25
-35°	71	64	58	52	47	42	38	33	30	26	23
-36.25°	64	58	53	47	43	38	34	30	27	24	21
-37.5°	58	52	47	43	39	34	31	28	24	22	19
-38.75°	52	47	43	39	35	31	28	25	22	20	17
-40°	46	42	38	34	31	28	25	22	20	17	15
-41.25°	41	38	34	31	28	25	22	20	18	16	14
-42.5°	36	33	30	28	25	22	20	18	16	14	13
-43.75°	32	30	27	24	22	20	18	16	14	13	11
-45°	29	26	24	22	20	17	16	14	13	11	10
-46.25°	25	23	21	19	17	15	14	13	11	10	9
-47.5°	22	20	18	16	15	14	12	11	10	9	8
-48.75°	19	17	16	15	13	12	11	10	9	8	7
-50°	16	15	14	13	11	11	10	9	8	7	7
-51.25°	14	13	12	11	10	9	9	8	7	7	6
-52.5°	12	11	10	10	9	8	8	7	6	6	5
-53.75°	11	10	9	8	8	7	7	6	5	5	4
-55°	9	9	8	7	7	6	6	5	5	4	4
-56.25°	8	7	7	6	6	5	5	4	4	3	3
-57.5°	7	6	6	5	5	4	4	3	3	3	2
-58.75°	6	5	5	4	4	4	3	3	2	2	2
-60°	5	4	4	4	3	3	2	2	2	2	2
-61.25°	4	3	3	3	2	2	2	2	2	2	2
-62.5°	3	3	2	2	2	2	2	2	2	1	1
-63.75°	2	2	2	2	2	2	2	1	1	1	1
-65°	2	2	2	2	1	1	1	1	1	1	1
-66.25°	2	1	1	1	1	1	1	1	1	1	0
-67.5°	1	1	1	1	1	1	1	0	0	0	0
-68.75°	1	1	1	1	1	0	0	0	0	0	0
-70°	1	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	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°	1	0	0	0	0	0	0	0	0	0	0
63.75°	1	1	1	0	0	0	0	0	0	0	0
62.5°	1	1	1	1	0	0	0	0	0	0	0
61.25°	1	1	1	1	1	1	0	0	0	0	0
60°	2	1	1	1	1	1	1	0	0	0	0
58.75°	2	2	2	1	1	1	1	1	0	0	0
57.5°	2	2	2	2	1	1	1	1	1	0	0
56.25°	2	2	2	2	2	1	1	1	1	1	0
55°	3	2	2	2	2	2	1	1	1	1	1
53.75°	4	3	3	2	2	2	2	1	1	1	1
52.5°	4	4	3	3	2	2	2	2	1	1	1
51.25°	5	5	4	3	3	2	2	2	2	1	1
50°	6	5	5	4	3	3	2	2	2	2	1
48.75°	7	6	5	5	4	3	2	2	2	2	1
47.5°	7	7	6	5	4	4	3	2	2	2	2
46.25°	8	7	7	6	5	4	4	3	2	2	2
45°	9	8	7	7	6	5	4	3	3	2	2
43.75°	10	9	8	7	6	5	5	4	3	2	2
42.5°	11	10	9	8	7	6	5	4	3	3	2
41.25°	12	11	10	9	8	7	6	5	4	3	2
40°	14	12	11	9	8	7	6	5	4	4	3
38.75°	15	13	11	10	9	8	7	6	5	4	3
37.5°	16	15	13	11	10	8	7	6	5	4	4
36.25°	18	16	14	12	10	9	8	7	6	5	4
35°	20	17	15	13	11	10	9	7	6	5	4



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	22	19	16	14	12	11	9	8	7	6	5
32.5°	23	21	18	15	13	11	10	8	7	6	5
31.25°	25	22	19	16	14	12	10	9	8	7	6
30°	28	24	21	18	15	13	11	10	8	7	6
28.75°	30	26	22	19	16	14	12	10	9	7	6
27.5°	32	28	24	20	17	15	13	11	9	8	7
26.25°	34	30	25	22	18	16	13	11	10	8	7
25°	36	31	27	23	20	16	14	12	10	9	7
23.75°	39	33	29	24	21	17	15	12	11	9	8
22.5°	41	35	30	26	22	18	15	13	11	9	8
21.25°	43	37	32	27	23	19	16	14	11	10	8
20°	45	39	33	29	24	20	17	14	12	10	9
18.75°	47	41	35	30	25	21	18	15	13	10	9
17.5°	49	43	36	31	26	22	19	15	13	11	9
16.25°	52	45	38	32	27	23	19	16	13	11	9
15°	54	46	40	33	29	24	20	16	14	11	10
13.75°	56	48	41	34	30	25	21	17	14	12	10
12.5°	58	49	42	36	30	25	21	18	15	12	10
11.25°	60	51	43	37	31	26	22	18	15	13	10
10°	61	52	45	38	32	27	22	19	15	13	11
8.75°	62	53	46	39	33	27	23	19	16	13	11
7.5°	64	55	46	39	33	28	23	19	16	13	11
6.25°	65	56	47	40	34	28	24	20	16	13	11
5°	65	56	48	41	34	29	24	20	16	14	11
3.75°	66	57	48	41	34	29	24	20	16	14	11
2.5°	67	57	48	41	35	29	24	20	16	14	11
1.25°	67	58	49	42	35	29	24	20	16	14	11
0°	67	58	49	42	35	30	24	20	17	14	11
-1.25°	67	58	49	42	35	29	24	20	16	14	11
-2.5°	67	57	48	41	35	29	24	20	16	14	11
-3.75°	66	57	48	41	34	29	24	20	16	14	11
-5°	65	56	48	41	34	29	24	20	16	14	11
-6.25°	65	56	47	40	34	28	24	20	16	13	11
-7.5°	64	55	46	39	33	28	23	19	16	13	11
-8.75°	62	53	46	39	33	27	23	19	16	13	11
-10°	61	52	45	38	32	27	22	19	15	13	11
-11.25°	60	51	43	37	31	26	22	18	15	13	10
-12.5°	58	49	42	36	30	25	21	18	15	12	10
-13.75°	56	48	41	34	30	25	21	17	14	12	10
-15°	54	46	40	33	29	24	20	16	14	11	10
-16.25°	52	45	38	32	27	23	19	16	13	11	9
-17.5°	49	43	36	31	26	22	19	15	13	11	9
-18.75°	47	41	35	30	25	21	18	15	13	10	9
-20°	45	39	33	29	24	20	17	14	12	10	9
-21.25°	43	37	32	27	23	19	16	14	11	10	8





REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	41	35	30	26	22	18	15	13	11	9	8
-23.75°	39	33	29	24	21	17	15	12	11	9	8
-25°	36	31	27	23	20	16	14	12	10	9	7
-26.25°	34	30	25	22	18	16	13	11	10	8	7
-27.5°	32	28	24	20	17	15	13	11	9	8	7
-28.75°	30	26	22	19	16	14	12	10	9	7	6
-30°	28	24	21	18	15	13	11	10	8	7	6
-31.25°	25	22	19	16	14	12	10	9	8	7	6
-32.5°	23	21	18	15	13	11	10	8	7	6	5
-33.75°	22	19	16	14	12	11	9	8	7	6	5
-35°	20	17	15	13	11	10	9	7	6	5	4
-36.25°	18	16	14	12	10	9	8	7	6	5	4
-37.5°	16	15	13	11	10	8	7	6	5	4	4
-38.75°	15	13	11	10	9	8	7	6	5	4	3
-40°	14	12	11	9	8	7	6	5	4	4	3
-41.25°	12	11	10	9	8	7	6	5	4	3	2
-42.5°	11	10	9	8	7	6	5	4	3	3	2
-43.75°	10	9	8	7	6	5	5	4	3	2	2
-45°	9	8	7	7	6	5	4	3	3	2	2
-46.25°	8	7	7	6	5	4	4	3	2	2	2
-47.5°	7	7	6	5	4	4	3	2	2	2	2
-48.75°	7	6	5	5	4	3	2	2	2	2	1
-50°	6	5	5	4	3	3	2	2	2	2	1
-51.25°	5	5	4	3	3	2	2	2	2	1	1
-52.5°	4	4	3	3	2	2	2	2	1	1	1
-53.75°	4	3	3	2	2	2	2	1	1	1	1
-55°	3	2	2	2	2	2	1	1	1	1	1
-56.25°	2	2	2	2	2	1	1	1	1	1	0
-57.5°	2	2	2	2	1	1	1	1	1	0	0
-58.75°	2	2	2	1	1	1	1	1	0	0	0
-60°	2	1	1	1	1	1	1	0	0	0	0
-61.25°	1	1	1	1	1	1	0	0	0	0	0
-62.5°	1	1	1	1	0	0	0	0	0	0	0
-63.75°	1	1	1	0	0	0	0	0	0	0	0
-65°	1	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	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°	1	0	0	0	0	0	0	0	0	0	0
52.5°	1	0	0	0	0	0	0	0	0	0	0
51.25°	1	1	0	0	0	0	0	0	0	0	0
50°	1	1	1	0	0	0	0	0	0	0	0
48.75°	1	1	1	0	0	0	0	0	0	0	0
47.5°	1	1	1	1	0	0	0	0	0	0	0
46.25°	2	1	1	1	0	0	0	0	0	0	0
45°	2	1	1	1	1	0	0	0	0	0	0
43.75°	2	2	1	1	1	0	0	0	0	0	0
42.5°	2	2	1	1	1	0	0	0	0	0	0
41.25°	2	2	2	1	1	1	0	0	0	0	0
40°	2	2	2	1	1	1	0	0	0	0	0
38.75°	2	2	2	1	1	1	1	0	0	0	0
37.5°	3	2	2	2	1	1	1	0	0	0	0
36.25°	3	2	2	2	1	1	1	0	0	0	0
35°	3	3	2	2	1	1	1	0	0	0	0



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	4	3	2	2	2	1	1	1	0	0	0
32.5°	4	3	2	2	2	1	1	1	0	0	0
31.25°	4	3	2	2	2	1	1	1	0	0	0
30°	5	4	3	2	2	1	1	1	0	0	0
28.75°	5	4	3	2	2	2	1	1	0	0	0
27.5°	5	4	3	2	2	2	1	1	1	0	0
26.25°	6	5	4	3	2	2	1	1	1	0	0
25°	6	5	4	3	2	2	1	1	1	0	0
23.75°	6	5	4	3	2	2	1	1	1	0	0
22.5°	7	5	4	3	2	2	2	1	1	0	0
21.25°	7	6	5	3	2	2	2	1	1	0	0
20°	7	6	5	4	3	2	2	1	1	1	0
18.75°	7	6	5	4	3	2	2	1	1	1	0
17.5°	8	6	5	4	3	2	2	1	1	1	0
16.25°	8	7	5	4	3	2	2	1	1	1	0
15°	8	7	6	4	3	2	2	1	1	1	0
13.75°	8	7	6	4	3	2	2	2	1	1	0
12.5°	9	7	6	5	3	2	2	2	1	1	0
11.25°	9	7	6	5	3	2	2	2	1	1	0
10°	9	7	6	5	4	2	2	2	1	1	0
8.75°	9	7	6	5	4	3	2	2	1	1	0
7.5°	9	8	6	5	4	3	2	2	1	1	0
6.25°	9	8	6	5	4	3	2	2	1	1	0
5°	9	8	6	5	4	3	2	2	1	1	0
3.75°	9	8	6	5	4	3	2	2	1	1	0
2.5°	10	8	6	5	4	3	2	2	1	1	0
1.25°	10	8	6	5	4	3	2	2	1	1	0
0°	10	8	7	5	4	3	2	2	1	1	0
-1.25°	10	8	6	5	4	3	2	2	1	1	0
-2.5°	10	8	6	5	4	3	2	2	1	1	0
-3.75°	9	8	6	5	4	3	2	2	1	1	0
-5°	9	8	6	5	4	3	2	2	1	1	0
-6.25°	9	8	6	5	4	3	2	2	1	1	0
-7.5°	9	8	6	5	4	3	2	2	1	1	0
-8.75°	9	7	6	5	4	3	2	2	1	1	0
-10°	9	7	6	5	4	2	2	2	1	1	0
-11.25°	9	7	6	5	3	2	2	2	1	1	0
-12.5°	9	7	6	5	3	2	2	2	1	1	0
-13.75°	8	7	6	4	3	2	2	2	1	1	0
-15°	8	7	6	4	3	2	2	1	1	1	0
-16.25°	8	7	5	4	3	2	2	1	1	1	0
-17.5°	8	6	5	4	3	2	2	1	1	1	0
-18.75°	7	6	5	4	3	2	2	1	1	1	0
-20°	7	6	5	4	3	2	2	1	1	1	0
-21.25°	7	6	5	3	2	2	2	1	1	0	0



REPORT NUMBER: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	7	5	4	3	2	2	2	1	1	0	0
-23.75°	6	5	4	3	2	2	1	1	1	0	0
-25°	6	5	4	3	2	2	1	1	1	0	0
-26.25°	6	5	4	3	2	2	1	1	1	0	0
-27.5°	5	4	3	2	2	2	1	1	1	0	0
-28.75°	5	4	3	2	2	2	1	1	0	0	0
-30°	5	4	3	2	2	1	1	1	0	0	0
-31.25°	4	3	2	2	2	1	1	1	0	0	0
-32.5°	4	3	2	2	2	1	1	1	0	0	0
-33.75°	4	3	2	2	2	1	1	1	0	0	0
-35°	3	3	2	2	1	1	1	0	0	0	0
-36.25°	3	2	2	2	1	1	1	0	0	0	0
-37.5°	3	2	2	2	1	1	1	0	0	0	0
-38.75°	2	2	2	1	1	1	1	0	0	0	0
-40°	2	2	2	1	1	1	0	0	0	0	0
-41.25°	2	2	2	1	1	1	0	0	0	0	0
-42.5°	2	2	1	1	1	0	0	0	0	0	0
-43.75°	2	2	1	1	1	0	0	0	0	0	0
-45°	2	1	1	1	1	0	0	0	0	0	0
-46.25°	2	1	1	1	0	0	0	0	0	0	0
-47.5°	1	1	1	1	0	0	0	0	0	0	0
-48.75°	1	1	1	0	0	0	0	0	0	0	0
-50°	1	1	1	0	0	0	0	0	0	0	0
-51.25°	1	1	0	0	0	0	0	0	0	0	0
-52.5°	1	0	0	0	0	0	0	0	0	0	0
-53.75°	1	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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°	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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, 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: P220427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, 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)