

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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3597-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220699 (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-LED3597-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE  
FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

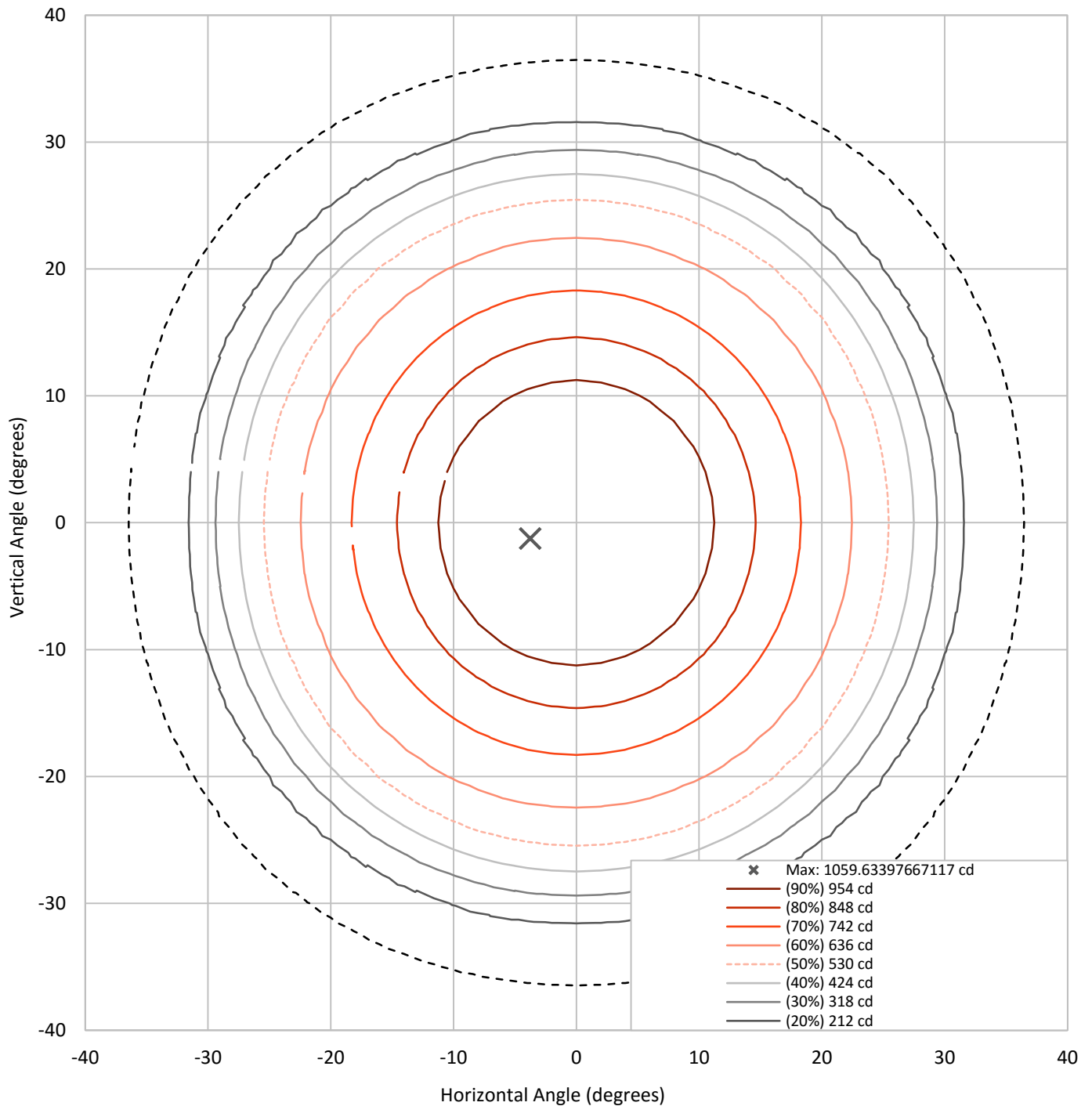
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	707 lumens	Max Intensity:	1059.6 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	72.1 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:	476.3 lumens	Field Lumens:	635.2 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-LED3597-W-BK-L1-UNV

### Iso-Candela Plot





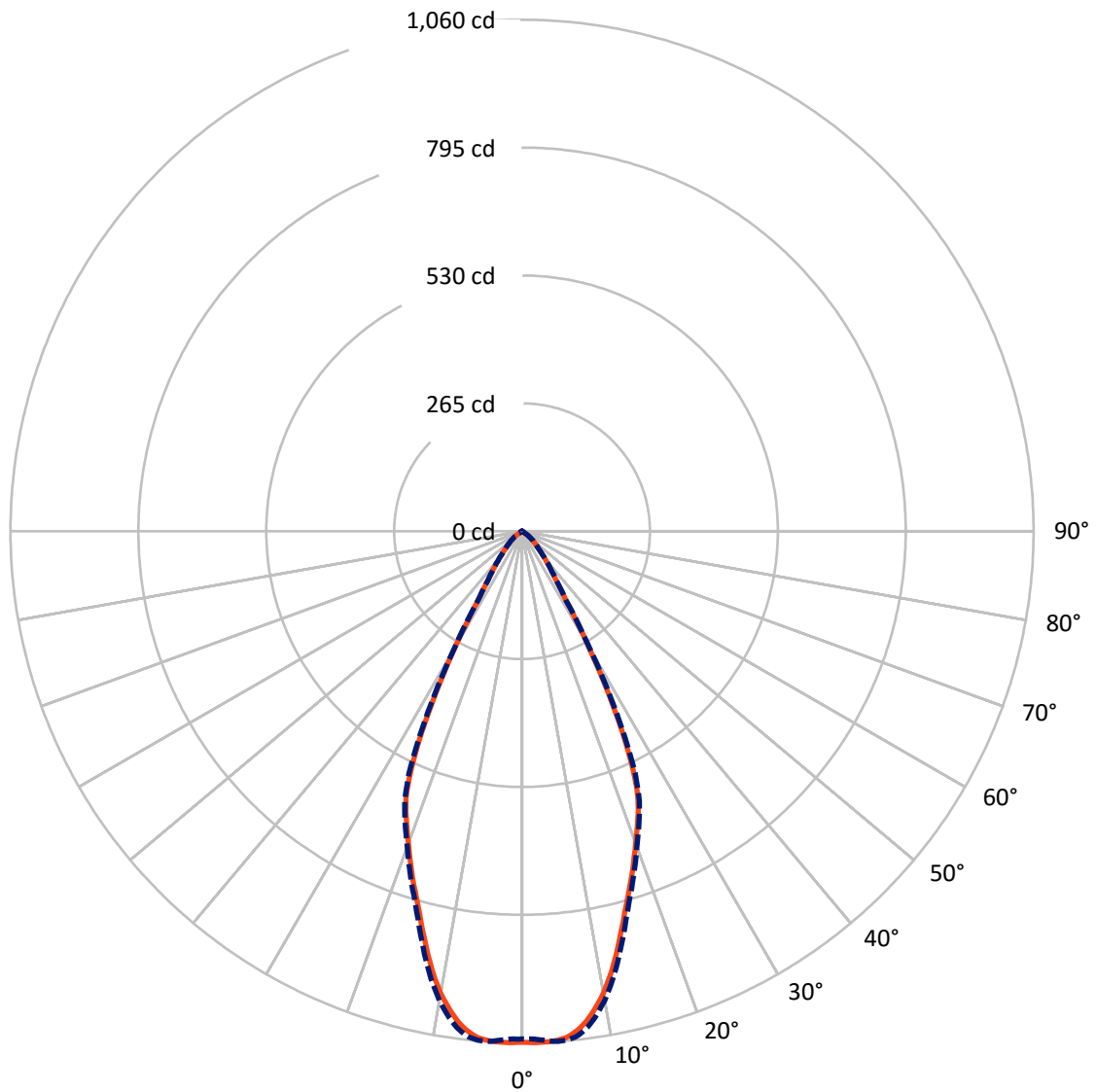
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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-W-BK-L1-UNV

### 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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
50		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	
40	0.0	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		0.0	0.0	0.3	0.9	1.7	2.9	4.0	4.0	2.9	1.7	0.9	0.3	0.0	0.0	
20	0.0	0.0	0.1	0.6	1.5	4.0	10.2	15.2	15.2	10.2	4.0	1.5	0.6	0.1	0.0	0.0
10		0.0	0.2	0.8	2.4	9.6	19.5	24.5	24.5	19.5	9.6	2.4	0.8	0.2	0.0	
0	0.0	0.0	0.2	1.0	3.4	13.9	23.8	30.9	30.9	23.8	13.9	3.4	1.0	0.2	0.0	0.0
-10		0.0	0.2	1.0	3.4	13.9	23.8	30.9	30.9	23.8	13.9	3.4	1.0	0.2	0.0	
-20	0.0	0.0	0.2	0.8	2.4	9.6	19.5	24.5	24.5	19.5	9.6	2.4	0.8	0.2	0.0	0.0
-30		0.0	0.1	0.6	1.5	4.0	10.2	15.2	15.2	10.2	4.0	1.5	0.6	0.1	0.0	
-40	0.0	0.0	0.0	0.3	0.9	1.7	2.9	4.0	4.0	2.9	1.7	0.9	0.3	0.0	0.0	0.0
-50		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	
-60	0.0	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		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
-80																
-90	0.0	0.0		0.0		0.1		0.1		0.1		0.0		0.0		0.0

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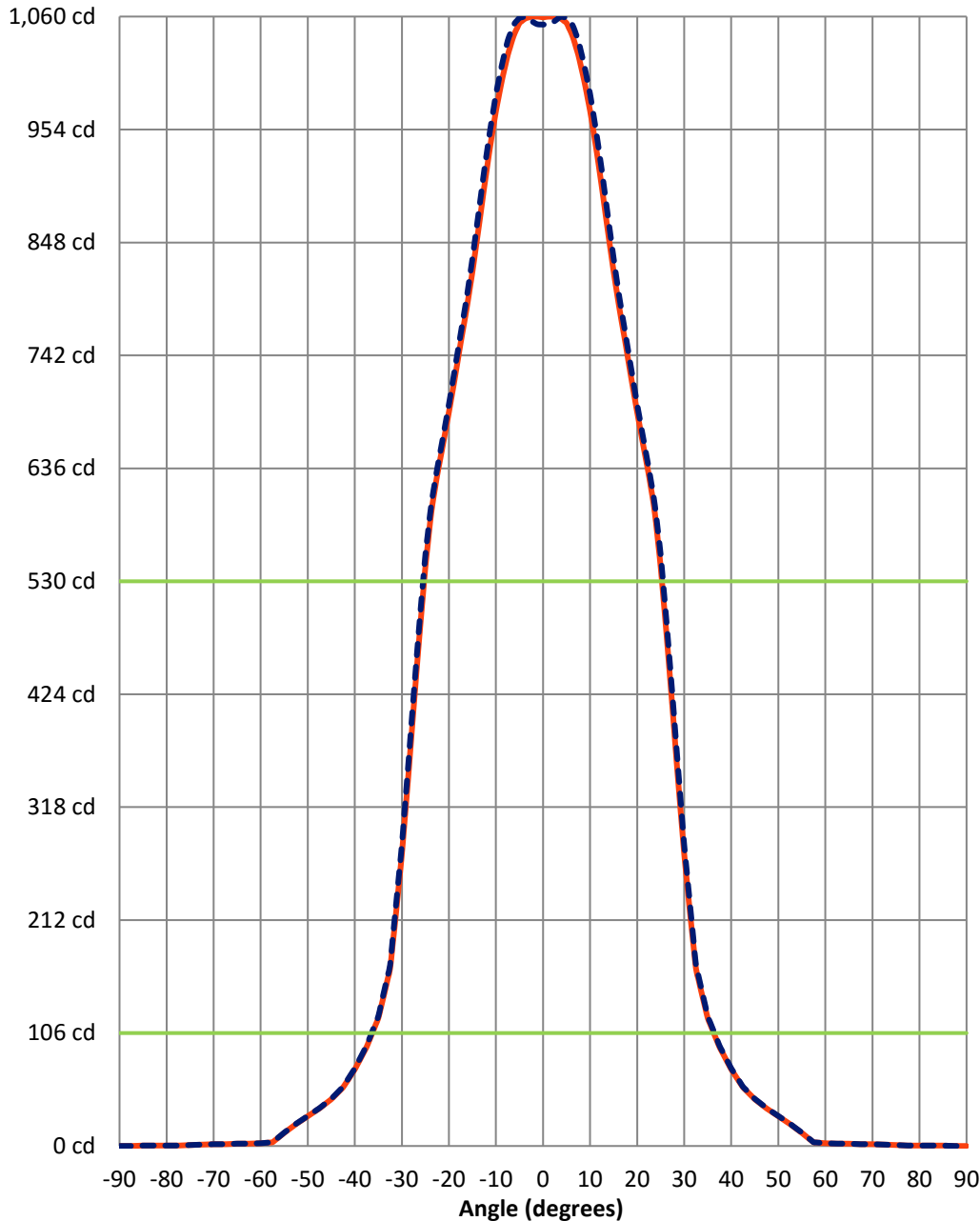
### Luminous Intensity Polar Plot



— 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: 476.3  
Efficiency: 67.4%

**Field:**  
H Angle: 72.8°  
V Angle: 72.6°  
Lumens: 635.2  
Efficiency: 89.8%

**Spill:**  
Lumens: 71.8  
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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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



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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1
42.5°	0	0	0	0	1	1	1	1	1	1	2
41.25°	0	0	0	1	1	1	1	1	1	1	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	1	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1	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	1	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	1	2	2	2	2	2
20°	0	1	1	1	1	1	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	1	2	2	2	2	2	2
7.5°	1	1	1	1	1	2	2	2	2	2	2
6.25°	1	1	1	1	1	2	2	2	2	2	2
5°	1	1	1	1	1	2	2	2	2	2	2
3.75°	1	1	1	1	1	2	2	2	2	2	2
2.5°	1	1	1	1	1	2	2	2	2	2	2
1.25°	1	1	1	1	1	2	2	2	2	2	2
0°	1	1	1	1	2	2	2	2	2	2	2
-1.25°	1	1	1	1	1	2	2	2	2	2	2
-2.5°	1	1	1	1	1	2	2	2	2	2	2
-3.75°	1	1	1	1	1	2	2	2	2	2	2
-5°	1	1	1	1	1	2	2	2	2	2	2
-6.25°	1	1	1	1	1	2	2	2	2	2	2
-7.5°	1	1	1	1	1	2	2	2	2	2	2
-8.75°	1	1	1	1	1	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	1	2	2	2	2	2
-21.25°	0	1	1	1	1	1	2	2	2	2	2



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1	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	1	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	1	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	1	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	1
-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1
58.75°	1	1	1	1	1	1	1	1	1	2	2
57.5°	1	1	1	1	1	1	1	1	2	2	2
56.25°	1	1	1	1	1	1	1	2	2	2	2
55°	1	1	1	1	1	1	2	2	2	2	2
53.75°	1	1	1	1	1	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	1	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°	1	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	8	12	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	23
13.75°	2	2	2	3	3	4	8	13	17	21	24
12.5°	2	2	2	3	3	5	9	13	17	21	25
11.25°	2	2	2	3	3	5	10	14	18	22	25
10°	2	2	3	3	3	6	10	15	19	22	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	23	27
6.25°	2	2	3	3	3	7	12	16	20	24	27
5°	2	2	3	3	3	8	12	16	20	24	28
3.75°	2	2	3	3	3	8	12	16	20	24	28
2.5°	2	2	3	3	3	8	12	17	21	24	28
1.25°	2	2	3	3	3	8	13	17	21	24	28
0°	2	2	3	3	4	8	13	17	21	25	28
-1.25°	2	2	3	3	3	8	13	17	21	25	28
-2.5°	2	2	3	3	3	8	12	17	21	24	28
-3.75°	2	2	3	3	3	8	12	16	20	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	27
-7.5°	2	2	3	3	3	7	11	16	20	23	27
-8.75°	2	2	3	3	3	6	11	15	19	23	27
-10°	2	2	3	3	3	6	10	15	19	22	26
-11.25°	2	2	2	3	3	5	10	14	18	22	25
-12.5°	2	2	2	3	3	5	9	13	17	21	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	23
-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	8	12	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°	1	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	1	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	1	2	2	2	2	2	2
-55°	1	1	1	1	1	1	2	2	2	2	2
-56.25°	1	1	1	1	1	1	1	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	2	2	2
-58.75°	1	1	1	1	1	1	1	1	1	2	2
-60°	1	1	1	1	1	1	1	1	1	1	1
-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1	2
65°	1	1	1	1	1	1	1	2	2	2	2
63.75°	1	1	1	1	1	2	2	2	2	2	2
62.5°	1	1	1	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	7	10	12	15
42.5°	2	3	3	3	3	5	8	10	13	15	17
41.25°	3	3	3	3	5	8	10	13	16	18	20
40°	3	3	3	5	7	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	12	15	18	21	23	25	28
36.25°	3	5	9	12	15	17	20	23	25	28	30
35°	4	8	11	14	17	20	22	25	27	30	32



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	24	27	29	32	34
32.5°	8	12	15	18	21	24	26	29	32	34	37
31.25°	10	14	17	20	23	25	28	31	34	36	39
30°	12	15	18	22	24	27	30	33	36	39	42
28.75°	14	17	20	23	26	29	32	35	38	41	44
27.5°	15	19	22	25	28	31	34	37	40	43	47
26.25°	17	20	23	26	29	32	35	39	42	46	50
25°	18	22	25	28	31	34	37	41	44	49	53
23.75°	20	23	26	29	32	35	39	43	47	51	56
22.5°	21	24	27	31	34	37	41	45	49	54	60
21.25°	22	25	29	32	35	39	43	47	52	57	64
20°	23	26	30	33	36	40	44	49	54	60	68
18.75°	24	28	31	34	38	42	46	51	56	64	71
17.5°	25	29	32	35	39	43	48	53	59	67	75
16.25°	26	29	33	36	41	45	50	55	62	70	79
15°	27	30	34	38	42	46	51	57	65	73	83
13.75°	28	31	35	39	43	48	53	60	68	76	86
12.5°	28	32	35	40	44	49	54	62	70	79	89
11.25°	29	33	36	41	45	50	56	64	72	82	92
10°	30	33	37	41	46	51	57	66	74	85	95
8.75°	30	34	38	42	47	52	59	67	77	87	98
7.5°	31	34	38	43	48	53	60	69	78	89	101
6.25°	31	35	39	43	48	54	62	70	80	90	103
5°	31	35	39	44	49	55	63	71	81	92	105
3.75°	32	35	40	44	49	55	63	72	82	93	106
2.5°	32	35	40	44	50	55	64	72	83	94	107
1.25°	32	36	40	44	50	56	64	73	83	94	108
0°	32	36	40	44	50	56	64	73	84	94	108
-1.25°	32	36	40	44	50	56	64	73	84	94	108
-2.5°	32	35	40	44	50	55	64	72	83	94	107
-3.75°	32	35	40	44	49	55	63	72	82	93	106
-5°	31	35	39	44	49	55	63	71	81	92	105
-6.25°	31	35	39	43	48	54	62	70	80	90	103
-7.5°	31	34	38	43	48	53	60	69	78	89	101
-8.75°	30	34	38	42	47	52	59	67	77	87	98
-10°	30	33	37	41	46	51	57	66	74	85	95
-11.25°	29	33	36	41	45	50	56	64	72	82	92
-12.5°	28	32	35	40	44	49	54	62	70	79	89
-13.75°	28	31	35	39	43	48	53	60	68	76	86
-15°	27	30	34	38	42	46	51	57	65	73	83
-16.25°	26	29	33	36	41	45	50	55	62	70	79
-17.5°	25	29	32	35	39	43	48	53	59	67	75
-18.75°	24	28	31	34	38	42	46	51	56	64	71
-20°	23	26	30	33	36	40	44	49	54	60	68
-21.25°	22	25	29	32	35	39	43	47	52	57	64



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	27	31	34	37	41	45	49	54	60
-23.75°	20	23	26	29	32	35	39	43	47	51	56
-25°	18	22	25	28	31	34	37	41	44	49	53
-26.25°	17	20	23	26	29	32	35	39	42	46	50
-27.5°	15	19	22	25	28	31	34	37	40	43	47
-28.75°	14	17	20	23	26	29	32	35	38	41	44
-30°	12	15	18	22	24	27	30	33	36	39	42
-31.25°	10	14	17	20	23	25	28	31	34	36	39
-32.5°	8	12	15	18	21	24	26	29	32	34	37
-33.75°	6	10	13	16	19	22	24	27	29	32	34
-35°	4	8	11	14	17	20	22	25	27	30	32
-36.25°	3	5	9	12	15	17	20	23	25	28	30
-37.5°	3	3	6	9	12	15	18	21	23	25	28
-38.75°	3	3	4	7	10	13	16	18	21	23	25
-40°	3	3	3	5	7	10	13	16	18	21	23
-41.25°	3	3	3	3	5	8	10	13	16	18	20
-42.5°	2	3	3	3	3	5	8	10	13	15	17
-43.75°	2	2	3	3	3	3	5	7	10	12	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	1	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	2	2	2	2	2	2
-65°	1	1	1	1	1	1	1	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1	2	2	2	2	2
67.5°	1	1	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	8	10
51.25°	3	3	3	3	5	6	8	10	11	12	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	18	20	22	23	25	26	27
45°	14	16	18	20	22	23	25	26	28	29	31
43.75°	17	19	21	23	24	26	28	29	31	32	34
42.5°	20	22	24	25	27	29	31	32	34	35	37
41.25°	22	24	26	28	30	32	34	35	37	39	41
40°	25	27	29	31	33	35	37	39	41	43	45
38.75°	27	29	32	34	36	38	40	42	44	47	49
37.5°	30	32	34	36	39	41	43	46	49	51	54
36.25°	32	34	37	39	42	44	47	50	53	56	60
35°	35	37	40	42	45	48	52	55	59	63	67







REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	67	75	83	91	101	112	123	140	158	181	220
-23.75°	63	70	77	86	94	104	114	125	142	159	181
-25°	59	65	72	80	87	95	105	115	126	142	158
-26.25°	55	61	67	73	81	89	96	106	115	125	140
-27.5°	52	56	62	68	75	82	89	96	105	114	123
-28.75°	48	52	57	63	69	75	82	89	95	104	112
-30°	45	49	53	57	63	69	75	81	87	94	101
-31.25°	42	46	49	53	57	63	68	73	80	86	91
-32.5°	40	43	46	49	53	57	62	67	72	77	83
-33.75°	37	40	43	46	49	52	56	61	65	70	75
-35°	35	37	40	42	45	48	52	55	59	63	67
-36.25°	32	34	37	39	42	44	47	50	53	56	60
-37.5°	30	32	34	36	39	41	43	46	49	51	54
-38.75°	27	29	32	34	36	38	40	42	44	47	49
-40°	25	27	29	31	33	35	37	39	41	43	45
-41.25°	22	24	26	28	30	32	34	35	37	39	41
-42.5°	20	22	24	25	27	29	31	32	34	35	37
-43.75°	17	19	21	23	24	26	28	29	31	32	34
-45°	14	16	18	20	22	23	25	26	28	29	31
-46.25°	11	13	15	17	18	20	22	23	25	26	27
-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	12	14
-52.5°	3	3	3	3	3	3	4	6	7	8	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	1	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1
70°	1	1	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	13	14	15	15
52.5°	11	12	13	14	15	16	17	17	18	19	19
51.25°	15	16	17	18	19	20	21	21	22	22	23
50°	19	20	21	22	23	23	24	25	25	26	27
48.75°	22	23	24	25	26	27	28	28	29	30	30
47.5°	25	26	28	29	29	30	31	32	33	33	34
46.25°	29	30	31	32	33	34	35	35	36	37	38
45°	32	33	34	35	36	38	39	40	41	41	42
43.75°	35	36	38	39	41	42	43	44	45	46	47
42.5°	39	40	42	43	45	46	48	49	50	51	52
41.25°	43	44	46	48	50	51	53	54	56	57	59
40°	47	49	51	53	55	57	60	62	64	66	67
38.75°	52	54	56	59	62	65	68	70	72	74	77
37.5°	57	60	64	67	70	73	76	79	82	85	87
36.25°	64	68	71	75	79	83	86	89	92	95	98
35°	71	76	80	85	89	93	97	101	105	108	112



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	89	94	99	105	109	114	118	122	127
32.5°	88	94	100	106	112	117	122	130	138	144	150
31.25°	98	105	111	118	125	135	144	152	160	167	178
30°	109	116	124	135	146	156	166	180	199	217	232
28.75°	120	131	144	155	167	187	210	232	252	270	287
27.5°	137	150	163	183	210	236	261	283	309	332	353
26.25°	155	169	199	229	258	285	316	345	373	398	420
25°	176	211	243	275	309	344	378	409	438	463	485
23.75°	218	253	288	328	367	404	439	471	499	524	545
22.5°	258	297	340	383	424	462	497	527	555	576	594
21.25°	300	347	393	438	479	516	549	576	599	614	627
20°	347	396	444	489	529	564	592	612	628	641	654
18.75°	393	444	492	535	572	601	621	638	654	668	681
17.5°	438	489	535	574	605	627	645	663	679	695	710
16.25°	479	529	572	605	628	648	668	687	705	723	740
15°	516	564	601	627	648	670	691	712	732	752	768
13.75°	549	592	621	645	668	691	714	737	758	777	796
12.5°	576	612	638	663	687	712	737	761	782	805	828
11.25°	599	628	654	679	705	732	758	782	808	834	860
10°	614	641	668	695	723	752	777	805	834	864	892
8.75°	627	654	681	710	740	768	796	828	860	892	922
7.5°	637	665	693	723	754	783	815	849	884	918	948
6.25°	645	674	704	735	766	797	832	869	906	940	969
5°	653	682	713	746	776	810	847	886	924	958	987
3.75°	658	689	720	754	785	820	859	899	938	971	1000
2.5°	663	693	725	759	791	828	868	909	947	981	1009
1.25°	665	696	729	762	795	833	874	915	953	987	1014
0°	666	697	730	763	796	834	875	917	955	989	1016
-1.25°	665	696	729	762	795	833	874	915	953	987	1014
-2.5°	663	693	725	759	791	828	868	909	947	981	1009
-3.75°	658	689	720	754	785	820	859	899	938	971	1000
-5°	653	682	713	746	776	810	847	886	924	958	987
-6.25°	645	674	704	735	766	797	832	869	906	940	969
-7.5°	637	665	693	723	754	783	815	849	884	918	948
-8.75°	627	654	681	710	740	768	796	828	860	892	922
-10°	614	641	668	695	723	752	777	805	834	864	892
-11.25°	599	628	654	679	705	732	758	782	808	834	860
-12.5°	576	612	638	663	687	712	737	761	782	805	828
-13.75°	549	592	621	645	668	691	714	737	758	777	796
-15°	516	564	601	627	648	670	691	712	732	752	768
-16.25°	479	529	572	605	628	648	668	687	705	723	740
-17.5°	438	489	535	574	605	627	645	663	679	695	710
-18.75°	393	444	492	535	572	601	621	638	654	668	681
-20°	347	396	444	489	529	564	592	612	628	641	654
-21.25°	300	347	393	438	479	516	549	576	599	614	627



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	258	297	340	383	424	462	497	527	555	576	594
-23.75°	218	253	288	328	367	404	439	471	499	524	545
-25°	176	211	243	275	309	344	378	409	438	463	485
-26.25°	155	169	199	229	258	285	316	345	373	398	420
-27.5°	137	150	163	183	210	236	261	283	309	332	353
-28.75°	120	131	144	155	167	187	210	232	252	270	287
-30°	109	116	124	135	146	156	166	180	199	217	232
-31.25°	98	105	111	118	125	135	144	152	160	167	178
-32.5°	88	94	100	106	112	117	122	130	138	144	150
-33.75°	80	85	89	94	99	105	109	114	118	122	127
-35°	71	76	80	85	89	93	97	101	105	108	112
-36.25°	64	68	71	75	79	83	86	89	92	95	98
-37.5°	57	60	64	67	70	73	76	79	82	85	87
-38.75°	52	54	56	59	62	65	68	70	72	74	77
-40°	47	49	51	53	55	57	60	62	64	66	67
-41.25°	43	44	46	48	50	51	53	54	56	57	59
-42.5°	39	40	42	43	45	46	48	49	50	51	52
-43.75°	35	36	38	39	41	42	43	44	45	46	47
-45°	32	33	34	35	36	38	39	40	41	41	42
-46.25°	29	30	31	32	33	34	35	35	36	37	38
-47.5°	25	26	28	29	29	30	31	32	33	33	34
-48.75°	22	23	24	25	26	27	28	28	29	30	30
-50°	19	20	21	22	23	23	24	25	25	26	27
-51.25°	15	16	17	18	19	20	21	21	22	22	23
-52.5°	11	12	13	14	15	16	17	17	18	19	19
-53.75°	7	8	9	10	11	12	13	13	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°	1	1	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°	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	1	1	1	1	1	1	2	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	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	12	13	13	13	12	12	12
53.75°	16	16	16	16	17	17	17	17	17	16	16
52.5°	20	20	20	20	21	21	21	21	21	20	20
51.25°	23	24	24	24	24	24	25	24	24	24	24
50°	27	27	28	28	28	28	28	28	28	28	28
48.75°	31	31	31	32	32	32	32	32	32	32	31
47.5°	34	35	35	35	35	36	36	36	35	35	35
46.25°	38	39	39	40	40	40	40	40	40	40	39
45°	43	43	44	44	44	44	44	44	44	44	44
43.75°	48	48	49	49	50	50	50	50	50	49	49
42.5°	53	54	55	55	55	56	56	56	55	55	55
41.25°	60	62	63	63	64	64	64	64	64	63	63
40°	69	70	71	72	72	73	73	73	72	72	71
38.75°	78	80	81	82	83	83	84	83	83	82	81
37.5°	89	90	92	93	94	94	94	94	94	93	92
36.25°	101	103	105	106	107	108	108	108	107	106	105
35°	114	117	119	120	121	122	122	122	121	120	119



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	132	136	140	143	145	146	146	146	145	143	140
32.5°	156	160	164	166	169	170	170	170	169	166	164
31.25°	191	202	211	218	223	226	227	226	223	218	211
30°	246	257	266	274	279	282	284	282	279	274	266
28.75°	304	319	331	340	347	352	353	352	347	340	331
27.5°	371	387	401	411	418	423	424	423	418	411	401
26.25°	440	456	470	480	487	492	493	492	487	480	470
25°	505	521	533	543	550	555	556	555	550	543	533
23.75°	563	576	587	595	600	603	603	603	600	595	587
22.5°	606	616	624	629	633	635	636	635	633	629	624
21.25°	637	645	653	658	663	665	666	665	663	658	653
20°	665	674	682	689	693	696	697	696	693	689	682
18.75°	693	704	713	720	725	729	730	729	725	720	713
17.5°	723	735	746	754	759	762	763	762	759	754	746
16.25°	754	766	776	785	791	795	796	795	791	785	776
15°	783	797	810	820	828	833	834	833	828	820	810
13.75°	815	832	847	859	868	874	875	874	868	859	847
12.5°	849	869	886	899	909	915	917	915	909	899	886
11.25°	884	906	924	938	947	953	955	953	947	938	924
10°	918	940	958	971	981	987	989	987	981	971	958
8.75°	948	969	987	1000	1009	1014	1016	1014	1009	1000	987
7.5°	973	994	1011	1023	1033	1037	1039	1037	1033	1023	1011
6.25°	994	1014	1031	1042	1049	1052	1054	1052	1049	1042	1031
5°	1011	1031	1045	1054	1057	1058	1059	1058	1057	1054	1045
3.75°	1023	1042	1054	1058	1059	1060	1059	1060	1059	1058	1054
2.5°	1033	1049	1057	1059	1058	1056	1054	1056	1058	1059	1057
1.25°	1037	1052	1058	1060	1056	1052	1052	1052	1056	1060	1058
0°	1039	1054	1059	1059	1054	1052	1055	1052	1054	1059	1059
-1.25°	1037	1052	1058	1060	1056	1052	1052	1052	1056	1060	1058
-2.5°	1033	1049	1057	1059	1058	1056	1054	1056	1058	1059	1057
-3.75°	1023	1042	1054	1058	1059	1060	1059	1060	1059	1058	1054
-5°	1011	1031	1045	1054	1057	1058	1059	1058	1057	1054	1045
-6.25°	994	1014	1031	1042	1049	1052	1054	1052	1049	1042	1031
-7.5°	973	994	1011	1023	1033	1037	1039	1037	1033	1023	1011
-8.75°	948	969	987	1000	1009	1014	1016	1014	1009	1000	987
-10°	918	940	958	971	981	987	989	987	981	971	958
-11.25°	884	906	924	938	947	953	955	953	947	938	924
-12.5°	849	869	886	899	909	915	917	915	909	899	886
-13.75°	815	832	847	859	868	874	875	874	868	859	847
-15°	783	797	810	820	828	833	834	833	828	820	810
-16.25°	754	766	776	785	791	795	796	795	791	785	776
-17.5°	723	735	746	754	759	762	763	762	759	754	746
-18.75°	693	704	713	720	725	729	730	729	725	720	713
-20°	665	674	682	689	693	696	697	696	693	689	682
-21.25°	637	645	653	658	663	665	666	665	663	658	653





REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	606	616	624	629	633	635	636	635	633	629	624
-23.75°	563	576	587	595	600	603	603	603	600	595	587
-25°	505	521	533	543	550	555	556	555	550	543	533
-26.25°	440	456	470	480	487	492	493	492	487	480	470
-27.5°	371	387	401	411	418	423	424	423	418	411	401
-28.75°	304	319	331	340	347	352	353	352	347	340	331
-30°	246	257	266	274	279	282	284	282	279	274	266
-31.25°	191	202	211	218	223	226	227	226	223	218	211
-32.5°	156	160	164	166	169	170	170	170	169	166	164
-33.75°	132	136	140	143	145	146	146	146	145	143	140
-35°	114	117	119	120	121	122	122	122	121	120	119
-36.25°	101	103	105	106	107	108	108	108	107	106	105
-37.5°	89	90	92	93	94	94	94	94	94	93	92
-38.75°	78	80	81	82	83	83	84	83	83	82	81
-40°	69	70	71	72	72	73	73	73	72	72	71
-41.25°	60	62	63	63	64	64	64	64	64	63	63
-42.5°	53	54	55	55	55	56	56	56	55	55	55
-43.75°	48	48	49	49	50	50	50	50	50	49	49
-45°	43	43	44	44	44	44	44	44	44	44	44
-46.25°	38	39	39	40	40	40	40	40	40	40	39
-47.5°	34	35	35	35	35	36	36	36	35	35	35
-48.75°	31	31	31	32	32	32	32	32	32	32	31
-50°	27	27	28	28	28	28	28	28	28	28	28
-51.25°	23	24	24	24	24	24	25	24	24	24	24
-52.5°	20	20	20	20	21	21	21	21	21	20	20
-53.75°	16	16	16	16	17	17	17	17	17	16	16
-55°	11	12	12	12	12	13	13	13	12	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°	1	1	1	1	1	1	2	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	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°	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	13	13	12	11	10	9
52.5°	20	20	19	19	18	17	17	16	15	14	13
51.25°	24	23	23	22	22	21	21	20	19	18	17
50°	27	27	27	26	25	25	24	23	23	22	21
48.75°	31	31	30	30	29	28	28	27	26	25	24
47.5°	35	34	34	33	33	32	31	30	29	29	28
46.25°	39	38	38	37	36	35	35	34	33	32	31
45°	43	43	42	41	41	40	39	38	36	35	34
43.75°	48	48	47	46	45	44	43	42	41	39	38
42.5°	54	53	52	51	50	49	48	46	45	43	42
41.25°	62	60	59	57	56	54	53	51	50	48	46
40°	70	69	67	66	64	62	60	57	55	53	51
38.75°	80	78	77	74	72	70	68	65	62	59	56
37.5°	90	89	87	85	82	79	76	73	70	67	64
36.25°	103	101	98	95	92	89	86	83	79	75	71
35°	117	114	112	108	105	101	97	93	89	85	80



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	136	132	127	122	118	114	109	105	99	94	89
32.5°	160	156	150	144	138	130	122	117	112	106	100
31.25°	202	191	178	167	160	152	144	135	125	118	111
30°	257	246	232	217	199	180	166	156	146	135	124
28.75°	319	304	287	270	252	232	210	187	167	155	144
27.5°	387	371	353	332	309	283	261	236	210	183	163
26.25°	456	440	420	398	373	345	316	285	258	229	199
25°	521	505	485	463	438	409	378	344	309	275	243
23.75°	576	563	545	524	499	471	439	404	367	328	288
22.5°	616	606	594	576	555	527	497	462	424	383	340
21.25°	645	637	627	614	599	576	549	516	479	438	393
20°	674	665	654	641	628	612	592	564	529	489	444
18.75°	704	693	681	668	654	638	621	601	572	535	492
17.5°	735	723	710	695	679	663	645	627	605	574	535
16.25°	766	754	740	723	705	687	668	648	628	605	572
15°	797	783	768	752	732	712	691	670	648	627	601
13.75°	832	815	796	777	758	737	714	691	668	645	621
12.5°	869	849	828	805	782	761	737	712	687	663	638
11.25°	906	884	860	834	808	782	758	732	705	679	654
10°	940	918	892	864	834	805	777	752	723	695	668
8.75°	969	948	922	892	860	828	796	768	740	710	681
7.5°	994	973	948	918	884	849	815	783	754	723	693
6.25°	1014	994	969	940	906	869	832	797	766	735	704
5°	1031	1011	987	958	924	886	847	810	776	746	713
3.75°	1042	1023	1000	971	938	899	859	820	785	754	720
2.5°	1049	1033	1009	981	947	909	868	828	791	759	725
1.25°	1052	1037	1014	987	953	915	874	833	795	762	729
0°	1054	1039	1016	989	955	917	875	834	796	763	730
-1.25°	1052	1037	1014	987	953	915	874	833	795	762	729
-2.5°	1049	1033	1009	981	947	909	868	828	791	759	725
-3.75°	1042	1023	1000	971	938	899	859	820	785	754	720
-5°	1031	1011	987	958	924	886	847	810	776	746	713
-6.25°	1014	994	969	940	906	869	832	797	766	735	704
-7.5°	994	973	948	918	884	849	815	783	754	723	693
-8.75°	969	948	922	892	860	828	796	768	740	710	681
-10°	940	918	892	864	834	805	777	752	723	695	668
-11.25°	906	884	860	834	808	782	758	732	705	679	654
-12.5°	869	849	828	805	782	761	737	712	687	663	638
-13.75°	832	815	796	777	758	737	714	691	668	645	621
-15°	797	783	768	752	732	712	691	670	648	627	601
-16.25°	766	754	740	723	705	687	668	648	628	605	572
-17.5°	735	723	710	695	679	663	645	627	605	574	535
-18.75°	704	693	681	668	654	638	621	601	572	535	492
-20°	674	665	654	641	628	612	592	564	529	489	444
-21.25°	645	637	627	614	599	576	549	516	479	438	393



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	616	606	594	576	555	527	497	462	424	383	340
-23.75°	576	563	545	524	499	471	439	404	367	328	288
-25°	521	505	485	463	438	409	378	344	309	275	243
-26.25°	456	440	420	398	373	345	316	285	258	229	199
-27.5°	387	371	353	332	309	283	261	236	210	183	163
-28.75°	319	304	287	270	252	232	210	187	167	155	144
-30°	257	246	232	217	199	180	166	156	146	135	124
-31.25°	202	191	178	167	160	152	144	135	125	118	111
-32.5°	160	156	150	144	138	130	122	117	112	106	100
-33.75°	136	132	127	122	118	114	109	105	99	94	89
-35°	117	114	112	108	105	101	97	93	89	85	80
-36.25°	103	101	98	95	92	89	86	83	79	75	71
-37.5°	90	89	87	85	82	79	76	73	70	67	64
-38.75°	80	78	77	74	72	70	68	65	62	59	56
-40°	70	69	67	66	64	62	60	57	55	53	51
-41.25°	62	60	59	57	56	54	53	51	50	48	46
-42.5°	54	53	52	51	50	49	48	46	45	43	42
-43.75°	48	48	47	46	45	44	43	42	41	39	38
-45°	43	43	42	41	41	40	39	38	36	35	34
-46.25°	39	38	38	37	36	35	35	34	33	32	31
-47.5°	35	34	34	33	33	32	31	30	29	29	28
-48.75°	31	31	30	30	29	28	28	27	26	25	24
-50°	27	27	27	26	25	25	24	23	23	22	21
-51.25°	24	23	23	22	22	21	21	20	19	18	17
-52.5°	20	20	19	19	18	17	17	16	15	14	13
-53.75°	16	16	15	15	14	13	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°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	2	2	2	2	2	2	1	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	8	7	6	4	3	3	3	3
51.25°	16	15	14	12	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°	26	25	24	23	22	20	19	17	15	14	12
46.25°	30	29	27	26	25	23	22	20	18	17	15
45°	33	32	31	29	28	26	25	23	22	20	18
43.75°	36	35	34	32	31	29	28	26	24	23	21
42.5°	40	39	37	35	34	32	31	29	27	25	24
41.25°	44	43	41	39	37	35	34	32	30	28	26
40°	49	47	45	43	41	39	37	35	33	31	29
38.75°	54	52	49	47	44	42	40	38	36	34	32
37.5°	60	57	54	51	49	46	43	41	39	36	34
36.25°	68	64	60	56	53	50	47	44	42	39	37
35°	76	71	67	63	59	55	52	48	45	42	40



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	70	65	61	56	52	49	46	43
32.5°	94	88	83	77	72	67	62	57	53	49	46
31.25°	105	98	91	86	80	73	68	63	57	53	49
30°	116	109	101	94	87	81	75	69	63	57	53
28.75°	131	120	112	104	95	89	82	75	69	63	57
27.5°	150	137	123	114	105	96	89	82	75	68	62
26.25°	169	155	140	125	115	106	96	89	81	73	67
25°	211	176	158	142	126	115	105	95	87	80	72
23.75°	253	218	181	159	142	125	114	104	94	86	77
22.5°	297	258	220	181	158	140	123	112	101	91	83
21.25°	347	300	258	218	176	155	137	120	109	98	88
20°	396	347	297	253	211	169	150	131	116	105	94
18.75°	444	393	340	288	243	199	163	144	124	111	100
17.5°	489	438	383	328	275	229	183	155	135	118	106
16.25°	529	479	424	367	309	258	210	167	146	125	112
15°	564	516	462	404	344	285	236	187	156	135	117
13.75°	592	549	497	439	378	316	261	210	166	144	122
12.5°	612	576	527	471	409	345	283	232	180	152	130
11.25°	628	599	555	499	438	373	309	252	199	160	138
10°	641	614	576	524	463	398	332	270	217	167	144
8.75°	654	627	594	545	485	420	353	287	232	178	150
7.5°	665	637	606	563	505	440	371	304	246	191	156
6.25°	674	645	616	576	521	456	387	319	257	202	160
5°	682	653	624	587	533	470	401	331	266	211	164
3.75°	689	658	629	595	543	480	411	340	274	218	166
2.5°	693	663	633	600	550	487	418	347	279	223	169
1.25°	696	665	635	603	555	492	423	352	282	226	170
0°	697	666	636	603	556	493	424	353	284	227	170
-1.25°	696	665	635	603	555	492	423	352	282	226	170
-2.5°	693	663	633	600	550	487	418	347	279	223	169
-3.75°	689	658	629	595	543	480	411	340	274	218	166
-5°	682	653	624	587	533	470	401	331	266	211	164
-6.25°	674	645	616	576	521	456	387	319	257	202	160
-7.5°	665	637	606	563	505	440	371	304	246	191	156
-8.75°	654	627	594	545	485	420	353	287	232	178	150
-10°	641	614	576	524	463	398	332	270	217	167	144
-11.25°	628	599	555	499	438	373	309	252	199	160	138
-12.5°	612	576	527	471	409	345	283	232	180	152	130
-13.75°	592	549	497	439	378	316	261	210	166	144	122
-15°	564	516	462	404	344	285	236	187	156	135	117
-16.25°	529	479	424	367	309	258	210	167	146	125	112
-17.5°	489	438	383	328	275	229	183	155	135	118	106
-18.75°	444	393	340	288	243	199	163	144	124	111	100
-20°	396	347	297	253	211	169	150	131	116	105	94
-21.25°	347	300	258	218	176	155	137	120	109	98	88





REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	297	258	220	181	158	140	123	112	101	91	83
-23.75°	253	218	181	159	142	125	114	104	94	86	77
-25°	211	176	158	142	126	115	105	95	87	80	72
-26.25°	169	155	140	125	115	106	96	89	81	73	67
-27.5°	150	137	123	114	105	96	89	82	75	68	62
-28.75°	131	120	112	104	95	89	82	75	69	63	57
-30°	116	109	101	94	87	81	75	69	63	57	53
-31.25°	105	98	91	86	80	73	68	63	57	53	49
-32.5°	94	88	83	77	72	67	62	57	53	49	46
-33.75°	85	80	75	70	65	61	56	52	49	46	43
-35°	76	71	67	63	59	55	52	48	45	42	40
-36.25°	68	64	60	56	53	50	47	44	42	39	37
-37.5°	60	57	54	51	49	46	43	41	39	36	34
-38.75°	54	52	49	47	44	42	40	38	36	34	32
-40°	49	47	45	43	41	39	37	35	33	31	29
-41.25°	44	43	41	39	37	35	34	32	30	28	26
-42.5°	40	39	37	35	34	32	31	29	27	25	24
-43.75°	36	35	34	32	31	29	28	26	24	23	21
-45°	33	32	31	29	28	26	25	23	22	20	18
-46.25°	30	29	27	26	25	23	22	20	18	17	15
-47.5°	26	25	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	12	11	10	8	6	5	3	3
-52.5°	12	11	10	8	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	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	1
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	12	10	7	5	3	3	3	3
42.5°	22	20	17	15	13	10	8	5	3	3	3
41.25°	24	22	20	18	16	13	10	8	5	3	3
40°	27	25	23	21	18	16	13	10	7	5	3
38.75°	29	27	25	23	21	18	16	13	10	7	4
37.5°	32	30	28	25	23	21	18	15	12	9	6
36.25°	34	32	30	28	25	23	20	17	15	12	9
35°	37	35	32	30	27	25	22	20	17	14	11





REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	67	60	54	49	45	41	37	34	31	27
-23.75°	70	63	56	51	47	43	39	35	32	29	26
-25°	65	59	53	49	44	41	37	34	31	28	25
-26.25°	61	55	50	46	42	39	35	32	29	26	23
-27.5°	56	52	47	43	40	37	34	31	28	25	22
-28.75°	52	48	44	41	38	35	32	29	26	23	20
-30°	49	45	42	39	36	33	30	27	24	22	18
-31.25°	46	42	39	36	34	31	28	25	23	20	17
-32.5°	43	40	37	34	32	29	26	24	21	18	15
-33.75°	40	37	34	32	29	27	24	22	19	16	13
-35°	37	35	32	30	27	25	22	20	17	14	11
-36.25°	34	32	30	28	25	23	20	17	15	12	9
-37.5°	32	30	28	25	23	21	18	15	12	9	6
-38.75°	29	27	25	23	21	18	16	13	10	7	4
-40°	27	25	23	21	18	16	13	10	7	5	3
-41.25°	24	22	20	18	16	13	10	8	5	3	3
-42.5°	22	20	17	15	13	10	8	5	3	3	3
-43.75°	19	17	15	12	10	7	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	1
-63.75°	2	2	2	2	2	2	2	2	1	1	1
-65°	2	2	2	2	2	2	1	1	1	1	1
-66.25°	2	2	2	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1	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	1	1	1	1	1	1
56.25°	2	2	2	2	2	2	1	1	1	1	1
55°	2	2	2	2	2	2	2	1	1	1	1
53.75°	2	2	2	2	2	2	2	2	1	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	1
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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	12	8	4	3	3	3	2	2
22.5°	24	21	17	14	10	6	3	3	3	2	2
21.25°	25	22	19	15	11	7	3	3	3	2	2
20°	26	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°	29	26	23	19	15	11	7	3	3	3	2
15°	30	27	23	20	16	12	8	3	3	3	2
13.75°	31	28	24	21	17	13	8	4	3	3	2
12.5°	32	28	25	21	17	13	9	5	3	3	2
11.25°	33	29	25	22	18	14	10	5	3	3	2
10°	33	30	26	22	19	15	10	6	3	3	3
8.75°	34	30	27	23	19	15	11	6	3	3	3
7.5°	34	31	27	23	20	16	11	7	3	3	3
6.25°	35	31	27	24	20	16	12	7	3	3	3
5°	35	31	28	24	20	16	12	8	3	3	3
3.75°	35	32	28	24	20	16	12	8	3	3	3
2.5°	35	32	28	24	21	17	12	8	3	3	3
1.25°	36	32	28	24	21	17	13	8	3	3	3
0°	36	32	28	25	21	17	13	8	4	3	3
-1.25°	36	32	28	25	21	17	13	8	4	3	3
-2.5°	35	32	28	24	21	17	12	8	3	3	3
-3.75°	35	32	28	24	20	16	12	8	3	3	3
-5°	35	31	28	24	20	16	12	8	3	3	3
-6.25°	35	31	27	24	20	16	12	7	3	3	3
-7.5°	34	31	27	23	20	16	11	7	3	3	3
-8.75°	34	30	27	23	19	15	11	6	3	3	3
-10°	33	30	26	22	19	15	10	6	3	3	3
-11.25°	33	29	25	22	18	14	10	5	3	3	2
-12.5°	32	28	25	21	17	13	9	5	3	3	2
-13.75°	31	28	24	21	17	13	8	4	3	3	2
-15°	30	27	23	20	16	12	8	3	3	3	2
-16.25°	29	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°	26	23	20	16	12	8	4	3	3	2	2
-21.25°	25	22	19	15	11	7	3	3	3	2	2





REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	12	8	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	1
-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	1	1	1
-55°	2	2	2	2	2	2	2	1	1	1	1
-56.25°	2	2	2	2	2	2	1	1	1	1	1
-57.5°	2	2	2	2	2	1	1	1	1	1	1
-58.75°	2	2	2	2	1	1	1	1	1	1	1
-60°	2	2	1	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1	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	1	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	1	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	1	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1	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	1	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	1	1	1	1
20°	2	2	2	2	2	2	2	1	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	1	1	1
7.5°	2	2	2	2	2	2	2	2	1	1	1
6.25°	2	2	2	2	2	2	2	2	1	1	1
5°	2	2	2	2	2	2	2	2	1	1	1
3.75°	2	2	2	2	2	2	2	2	1	1	1
2.5°	2	2	2	2	2	2	2	2	1	1	1
1.25°	2	2	2	2	2	2	2	2	1	1	1
0°	2	2	2	2	2	2	2	2	2	1	1
-1.25°	2	2	2	2	2	2	2	2	1	1	1
-2.5°	2	2	2	2	2	2	2	2	1	1	1
-3.75°	2	2	2	2	2	2	2	2	1	1	1
-5°	2	2	2	2	2	2	2	2	1	1	1
-6.25°	2	2	2	2	2	2	2	2	1	1	1
-7.5°	2	2	2	2	2	2	2	2	1	1	1
-8.75°	2	2	2	2	2	2	2	2	1	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	1	1	1	1
-21.25°	2	2	2	2	2	2	2	1	1	1	1



REPORT NUMBER: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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	1	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	1	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	1	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	1	1	1	1	1	1	1	0
-42.5°	2	2	2	1	1	1	1	1	1	0	0
-43.75°	2	2	1	1	1	1	1	1	1	0	0
-45°	2	2	1	1	1	1	1	1	1	0	0
-46.25°	2	1	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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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: P220699 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3597-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)