

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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

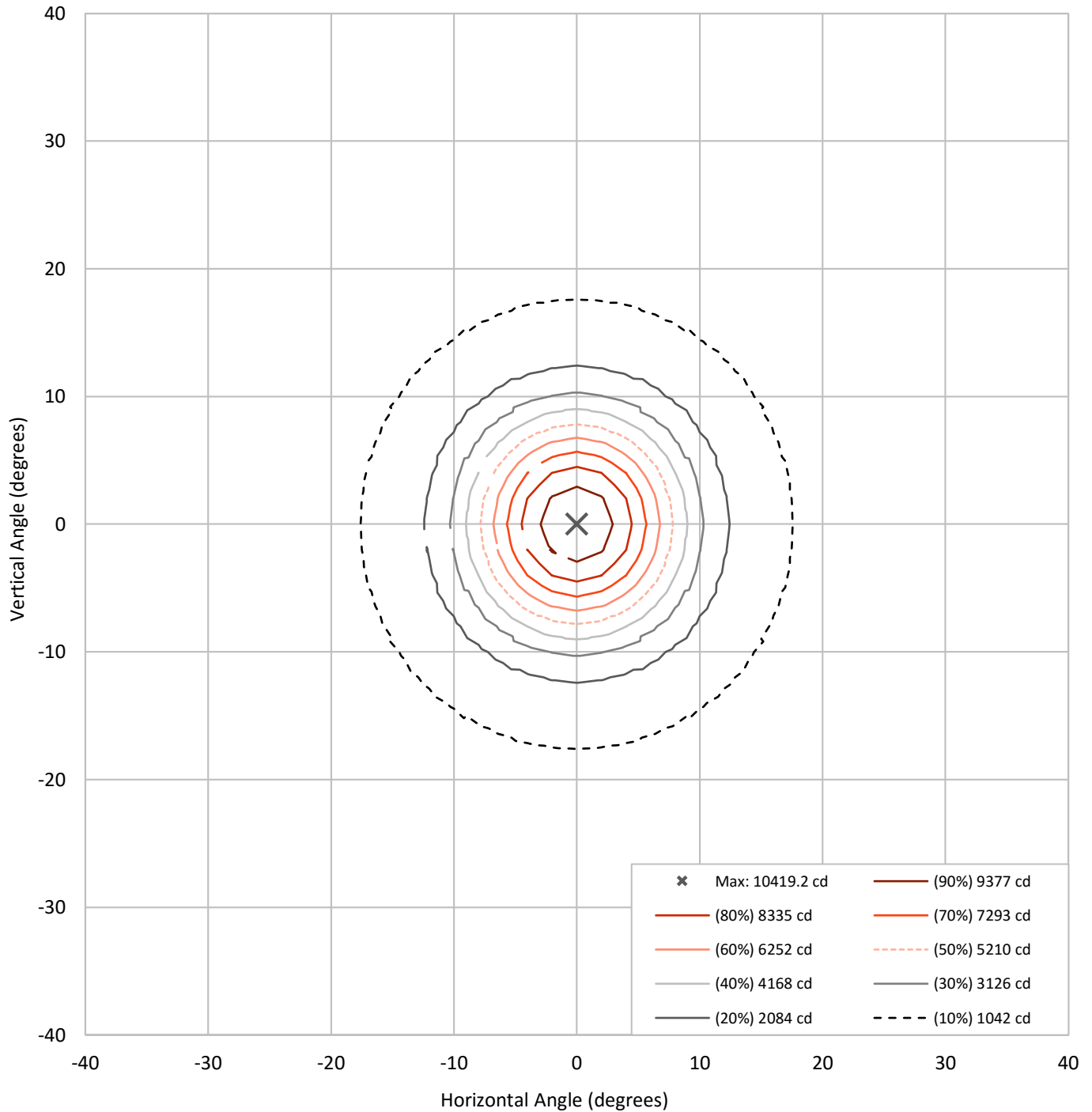
Test Method: LM-79-08  
Report Number: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT  
OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1213.7 lumens	Max Intensity:	10419.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	60.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.7°H x 15.7°V	Field Angle (10%):	35°H x 35°V
Beam Lumens:	432.7 lumens	Field Lumens:	929.8 lumens
Beam Efficiency:	35.6%	Field Efficiency:	76.6%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

### Iso-Candela Plot





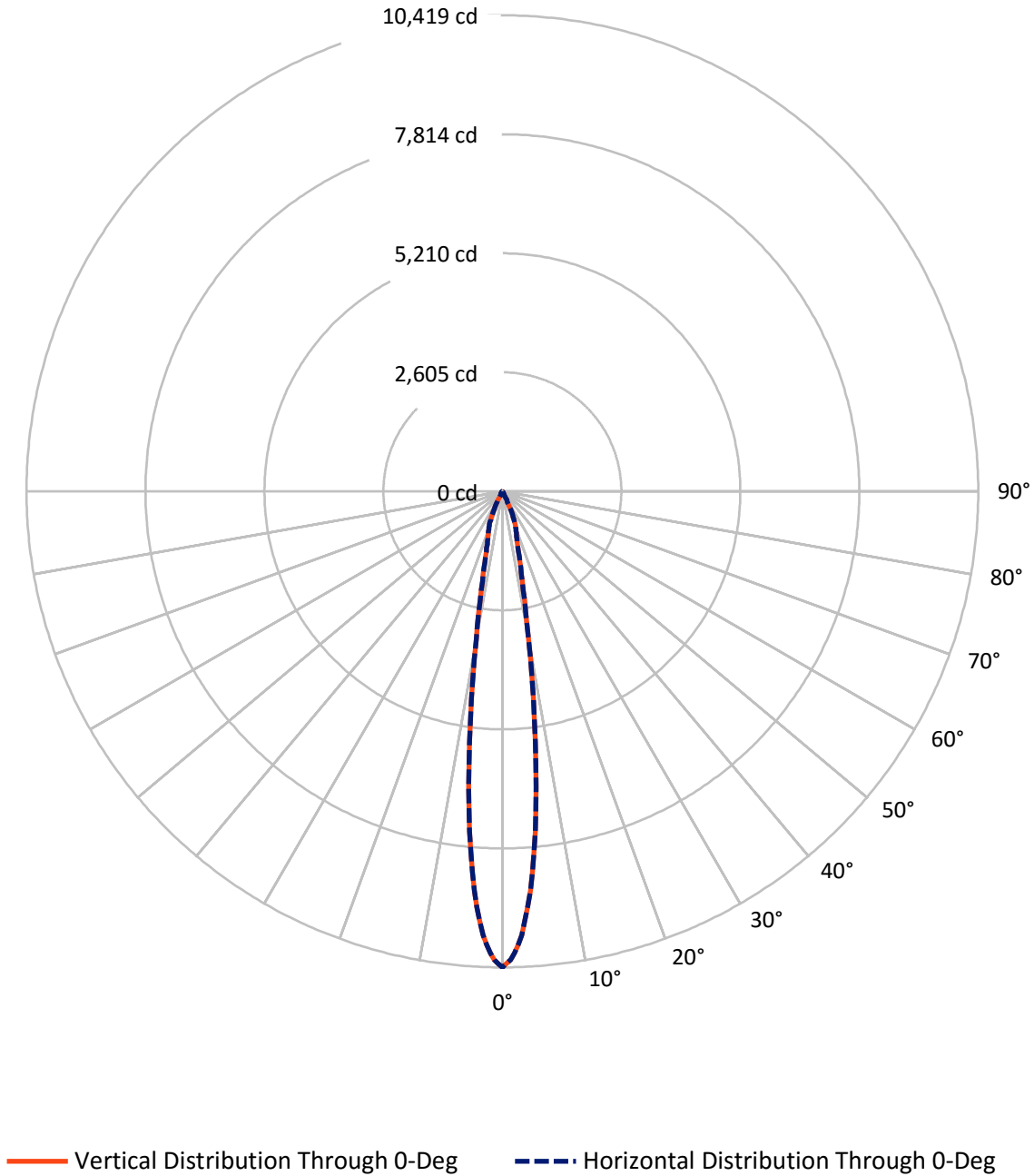
REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

### Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	
40		0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.6	0.4	0.3	0.2	0.1	0.1		
30	0.0	0.0	0.1	0.1	0.2	0.6	3.7	10.6	10.6	3.7	0.6	0.2	0.1	0.1	0.0	
20		0.0	0.1	0.2	0.4	3.6	21.9	41.5	41.5	21.9	3.6	0.4	0.2	0.1		
10	0.0	0.0	0.1	0.2	0.5	9.8	40.4	165.8	165.8	40.4	9.8	0.5	0.2	0.1	0.0	
0		0.0	0.1	0.2	0.5	9.8	40.4	165.8	165.8	40.4	9.8	0.5	0.2	0.1		
-10	0.0	0.0	0.1	0.2	0.4	3.6	21.9	41.5	41.5	21.9	3.6	0.4	0.2	0.1	0.0	
-20		0.0	0.1	0.1	0.2	0.6	3.7	10.6	10.6	3.7	0.6	0.2	0.1	0.1		
-30	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.6	0.4	0.3	0.2	0.1	0.1	0.0	
-40		0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

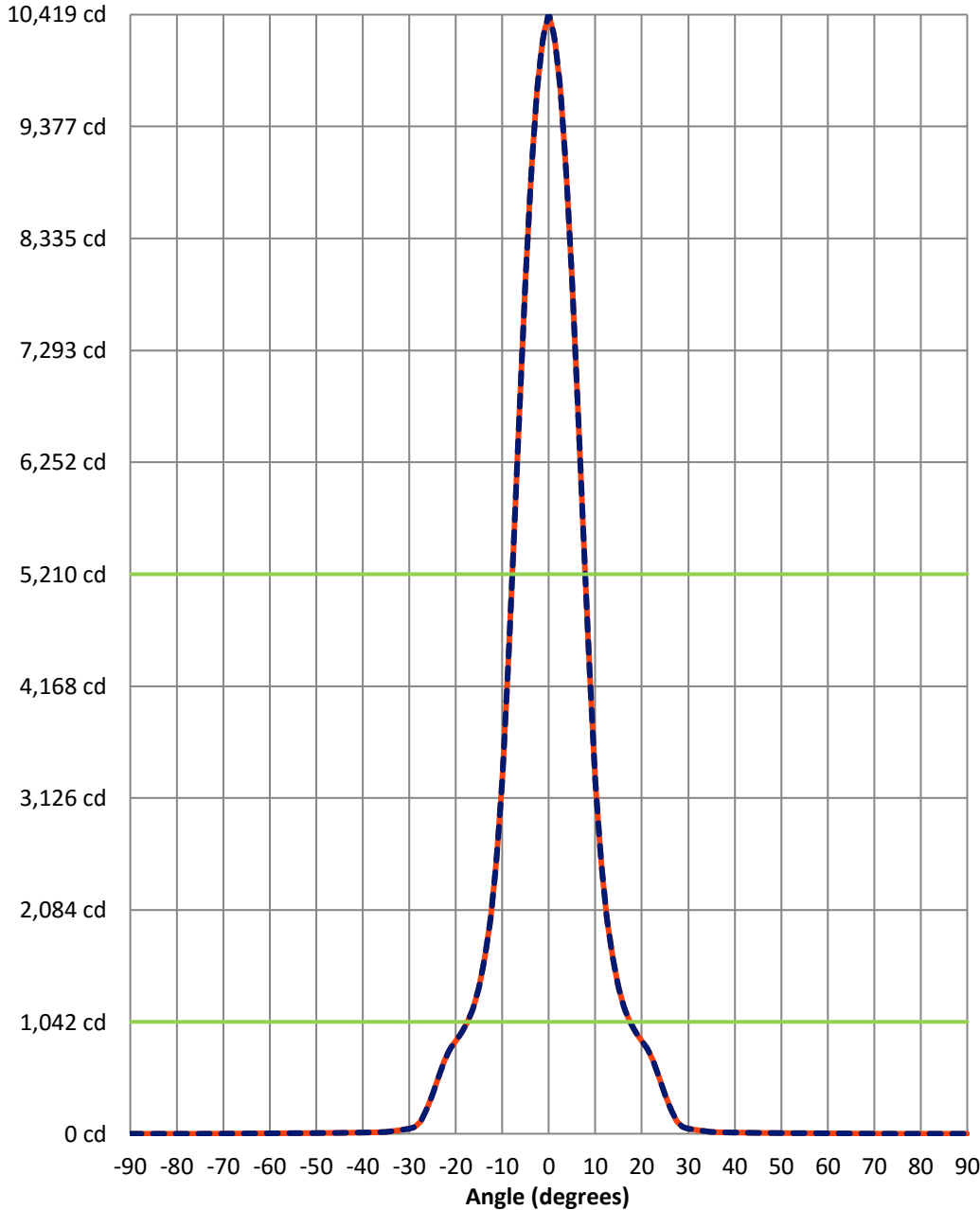
REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 15.7°  
 V Angle: 15.7°  
 Lumens: 432.7  
 Efficiency: 35.6%

**Field:**  
 H Angle: 35°  
 V Angle: 35°  
 Lumens: 929.8  
 Efficiency: 76.6%

**Spill:**  
 Lumens: 284  
 Efficiency: 23.4%

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



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	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	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	0	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	1
40°	0	0	0	0	0	0	0	1	1	1	1
38.75°	0	0	0	0	0	0	0	1	1	1	1
37.5°	0	0	0	0	0	0	1	1	1	1	1
36.25°	0	0	0	0	0	0	1	1	1	1	1
35°	0	0	0	0	0	0	1	1	1	1	1



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	0	0	0	0	1	1	1	1	1	2	2
-23.75°	0	0	0	0	1	1	1	1	1	2	2
-25°	0	0	0	0	1	1	1	1	1	2	2
-26.25°	0	0	0	0	1	1	1	1	1	2	2
-27.5°	0	0	0	0	1	1	1	1	1	1	2
-28.75°	0	0	0	0	0	1	1	1	1	1	2
-30°	0	0	0	0	0	1	1	1	1	1	2
-31.25°	0	0	0	0	0	1	1	1	1	1	2
-32.5°	0	0	0	0	0	1	1	1	1	1	1
-33.75°	0	0	0	0	0	0	1	1	1	1	1
-35°	0	0	0	0	0	0	1	1	1	1	1
-36.25°	0	0	0	0	0	0	1	1	1	1	1
-37.5°	0	0	0	0	0	0	1	1	1	1	1
-38.75°	0	0	0	0	0	0	0	1	1	1	1
-40°	0	0	0	0	0	0	0	1	1	1	1
-41.25°	0	0	0	0	0	0	0	1	1	1	1
-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	0	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	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0	0	0	0	0	0	0	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	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	1	1
61.25°	0	0	0	0	0	0	0	0	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	1
57.5°	0	0	0	0	1	1	1	1	1	1	1
56.25°	0	0	0	1	1	1	1	1	1	1	1
55°	0	0	1	1	1	1	1	1	1	1	1
53.75°	0	0	1	1	1	1	1	1	1	1	2
52.5°	0	1	1	1	1	1	1	1	1	2	2
51.25°	1	1	1	1	1	1	1	1	2	2	2
50°	1	1	1	1	1	1	1	2	2	2	2
48.75°	1	1	1	1	1	1	2	2	2	2	2
47.5°	1	1	1	1	1	1	2	2	2	2	3
46.25°	1	1	1	1	1	2	2	2	2	3	3
45°	1	1	1	1	2	2	2	2	3	3	3
43.75°	1	1	1	1	2	2	2	2	3	3	3
42.5°	1	1	1	2	2	2	2	3	3	3	3
41.25°	1	1	1	2	2	2	3	3	3	3	4
40°	1	1	2	2	2	2	3	3	3	4	4
38.75°	1	1	2	2	2	3	3	3	3	4	4
37.5°	1	2	2	2	2	3	3	3	4	4	4
36.25°	1	2	2	2	3	3	3	4	4	4	4
35°	2	2	2	2	3	3	3	4	4	4	5



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	3	3	4	4	4	5	5	5	6	6
-23.75°	2	3	3	3	4	4	5	5	5	6	6
-25°	2	3	3	3	4	4	4	5	5	5	6
-26.25°	2	3	3	3	4	4	4	5	5	5	6
-27.5°	2	2	3	3	4	4	4	5	5	5	6
-28.75°	2	2	3	3	3	4	4	4	5	5	5
-30°	2	2	3	3	3	4	4	4	5	5	5
-31.25°	2	2	2	3	3	3	4	4	4	5	5
-32.5°	2	2	2	3	3	3	4	4	4	5	5
-33.75°	2	2	2	3	3	3	4	4	4	4	5
-35°	2	2	2	2	3	3	3	4	4	4	5
-36.25°	1	2	2	2	3	3	3	4	4	4	4
-37.5°	1	2	2	2	2	3	3	3	4	4	4
-38.75°	1	1	2	2	2	3	3	3	3	4	4
-40°	1	1	2	2	2	2	3	3	3	4	4
-41.25°	1	1	1	2	2	2	3	3	3	3	4
-42.5°	1	1	1	2	2	2	2	3	3	3	3
-43.75°	1	1	1	1	2	2	2	2	3	3	3
-45°	1	1	1	1	2	2	2	2	3	3	3
-46.25°	1	1	1	1	1	2	2	2	2	3	3
-47.5°	1	1	1	1	1	1	2	2	2	2	3
-48.75°	1	1	1	1	1	1	2	2	2	2	2
-50°	1	1	1	1	1	1	1	2	2	2	2
-51.25°	1	1	1	1	1	1	1	1	2	2	2
-52.5°	0	1	1	1	1	1	1	1	1	2	2
-53.75°	0	0	1	1	1	1	1	1	1	1	2
-55°	0	0	1	1	1	1	1	1	1	1	1
-56.25°	0	0	0	1	1	1	1	1	1	1	1
-57.5°	0	0	0	0	1	1	1	1	1	1	1
-58.75°	0	0	0	0	0	1	1	1	1	1	1
-60°	0	0	0	0	0	0	1	1	1	1	1
-61.25°	0	0	0	0	0	0	0	0	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	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	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	1	1	1	1	1
66.25°	0	0	0	0	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	2	2
60°	1	1	1	1	1	1	1	2	2	2	2
58.75°	1	1	1	1	1	2	2	2	2	2	2
57.5°	1	1	1	2	2	2	2	2	2	2	3
56.25°	1	1	2	2	2	2	2	2	3	3	3
55°	2	2	2	2	2	2	3	3	3	3	3
53.75°	2	2	2	2	2	3	3	3	3	3	4
52.5°	2	2	2	3	3	3	3	3	3	4	4
51.25°	2	2	3	3	3	3	3	4	4	4	4
50°	2	3	3	3	3	3	4	4	4	4	4
48.75°	3	3	3	3	4	4	4	4	4	4	5
47.5°	3	3	3	4	4	4	4	4	5	5	5
46.25°	3	3	4	4	4	4	4	5	5	5	5
45°	3	4	4	4	4	4	5	5	5	5	6
43.75°	4	4	4	4	4	5	5	5	5	6	6
42.5°	4	4	4	4	5	5	5	5	6	6	6
41.25°	4	4	4	5	5	5	5	6	6	6	6
40°	4	4	5	5	5	5	6	6	6	6	6
38.75°	4	5	5	5	5	6	6	6	6	6	6
37.5°	4	5	5	5	6	6	6	6	6	6	6
36.25°	5	5	5	6	6	6	6	6	6	6	7
35°	5	5	5	6	6	6	6	6	6	7	7



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	5	5	6	6	6	6	6	6	7	7	7
32.5°	5	6	6	6	6	6	6	6	7	7	7
31.25°	5	6	6	6	6	6	6	7	7	7	8
30°	6	6	6	6	6	6	7	7	7	7	8
28.75°	6	6	6	6	6	6	7	7	7	8	8
27.5°	6	6	6	6	6	7	7	7	8	8	8
26.25°	6	6	6	6	7	7	7	7	8	8	9
25°	6	6	6	6	7	7	7	8	8	9	9
23.75°	6	6	6	7	7	7	8	8	8	9	10
22.5°	6	6	6	7	7	7	8	8	9	9	10
21.25°	6	6	6	7	7	7	8	8	9	10	10
20°	6	6	7	7	7	8	8	9	9	10	11
18.75°	6	6	7	7	7	8	8	9	10	10	11
17.5°	6	6	7	7	8	8	9	9	10	11	11
16.25°	6	7	7	7	8	8	9	10	10	11	12
15°	6	7	7	7	8	8	9	10	10	11	12
13.75°	6	7	7	7	8	8	9	10	11	11	12
12.5°	6	7	7	8	8	9	9	10	11	12	12
11.25°	6	7	7	8	8	9	10	10	11	12	13
10°	7	7	7	8	8	9	10	11	11	12	13
8.75°	7	7	7	8	8	9	10	11	11	12	13
7.5°	7	7	7	8	8	9	10	11	12	12	14
6.25°	7	7	7	8	9	9	10	11	12	13	14
5°	7	7	8	8	9	9	10	11	12	13	14
3.75°	7	7	8	8	9	10	10	11	12	13	15
2.5°	7	7	8	8	9	10	10	11	12	13	15
1.25°	7	7	8	8	9	10	10	11	12	13	15
0°	7	7	8	8	9	10	10	11	12	13	15
-1.25°	7	7	8	8	9	10	10	11	12	13	15
-2.5°	7	7	8	8	9	10	10	11	12	13	15
-3.75°	7	7	8	8	9	10	10	11	12	13	15
-5°	7	7	8	8	9	9	10	11	12	13	14
-6.25°	7	7	7	8	9	9	10	11	12	13	14
-7.5°	7	7	7	8	8	9	10	11	12	12	14
-8.75°	7	7	7	8	8	9	10	11	11	12	13
-10°	7	7	7	8	8	9	10	11	11	12	13
-11.25°	6	7	7	8	8	9	10	10	11	12	13
-12.5°	6	7	7	8	8	9	9	10	11	12	12
-13.75°	6	7	7	7	8	8	9	10	11	11	12
-15°	6	7	7	7	8	8	9	10	10	11	12
-16.25°	6	7	7	7	8	8	9	10	10	11	12
-17.5°	6	6	7	7	8	8	9	9	10	11	11
-18.75°	6	6	7	7	7	8	8	9	10	10	11
-20°	6	6	7	7	7	8	8	9	9	10	11
-21.25°	6	6	6	7	7	7	8	8	9	10	10



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	6	6	6	7	7	7	8	8	9	9	10
-23.75°	6	6	6	7	7	7	8	8	8	9	10
-25°	6	6	6	6	7	7	7	8	8	9	9
-26.25°	6	6	6	6	7	7	7	7	8	8	9
-27.5°	6	6	6	6	6	7	7	7	8	8	8
-28.75°	6	6	6	6	6	6	7	7	7	8	8
-30°	6	6	6	6	6	6	7	7	7	7	8
-31.25°	5	6	6	6	6	6	6	7	7	7	8
-32.5°	5	6	6	6	6	6	6	6	7	7	7
-33.75°	5	5	6	6	6	6	6	6	7	7	7
-35°	5	5	5	6	6	6	6	6	6	7	7
-36.25°	5	5	5	6	6	6	6	6	6	6	7
-37.5°	4	5	5	5	6	6	6	6	6	6	6
-38.75°	4	5	5	5	5	6	6	6	6	6	6
-40°	4	4	5	5	5	5	6	6	6	6	6
-41.25°	4	4	4	5	5	5	5	6	6	6	6
-42.5°	4	4	4	4	5	5	5	5	6	6	6
-43.75°	4	4	4	4	4	5	5	5	5	6	6
-45°	3	4	4	4	4	4	5	5	5	5	6
-46.25°	3	3	4	4	4	4	4	5	5	5	5
-47.5°	3	3	3	4	4	4	4	4	5	5	5
-48.75°	3	3	3	3	4	4	4	4	4	4	5
-50°	2	3	3	3	3	3	4	4	4	4	4
-51.25°	2	2	3	3	3	3	3	4	4	4	4
-52.5°	2	2	2	3	3	3	3	3	3	4	4
-53.75°	2	2	2	2	2	3	3	3	3	3	4
-55°	2	2	2	2	2	2	3	3	3	3	3
-56.25°	1	1	2	2	2	2	2	2	3	3	3
-57.5°	1	1	1	2	2	2	2	2	2	2	3
-58.75°	1	1	1	1	1	2	2	2	2	2	2
-60°	1	1	1	1	1	1	1	2	2	2	2
-61.25°	1	1	1	1	1	1	1	1	1	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	1	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	0	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	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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	0	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	2	2	2	2
63.75°	1	1	1	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	3	3	3	3
60°	2	2	2	2	3	3	3	3	3	3	3
58.75°	2	3	3	3	3	3	3	3	3	3	4
57.5°	3	3	3	3	3	3	4	4	4	4	4
56.25°	3	3	3	3	4	4	4	4	4	4	4
55°	3	4	4	4	4	4	4	4	4	5	5
53.75°	4	4	4	4	4	4	5	5	5	5	5
52.5°	4	4	4	4	5	5	5	5	5	5	5
51.25°	4	4	5	5	5	5	5	5	5	6	6
50°	5	5	5	5	5	5	6	6	6	6	6
48.75°	5	5	5	5	6	6	6	6	6	6	6
47.5°	5	5	6	6	6	6	6	6	6	6	6
46.25°	5	6	6	6	6	6	6	6	6	6	6
45°	6	6	6	6	6	6	6	6	6	7	7
43.75°	6	6	6	6	6	6	6	7	7	7	7
42.5°	6	6	6	6	6	6	7	7	7	7	7
41.25°	6	6	6	6	7	7	7	7	7	8	8
40°	6	6	6	7	7	7	7	7	8	8	8
38.75°	6	7	7	7	7	7	8	8	8	8	9
37.5°	7	7	7	7	7	8	8	8	9	9	9
36.25°	7	7	7	8	8	8	8	9	9	10	10
35°	7	7	8	8	8	9	9	9	10	10	11



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	7	8	8	8	9	9	10	10	10	11	11
32.5°	8	8	8	9	9	10	10	11	11	12	12
31.25°	8	8	9	9	10	10	11	11	12	12	13
30°	8	9	9	10	10	11	11	12	12	13	14
28.75°	9	9	10	10	11	11	12	12	13	14	15
27.5°	9	10	10	11	11	12	12	13	14	16	17
26.25°	9	10	11	11	12	12	13	14	16	18	22
25°	10	10	11	12	12	13	14	16	18	23	27
23.75°	10	11	12	12	13	14	16	18	23	27	32
22.5°	11	11	12	13	14	15	17	22	27	32	38
21.25°	11	12	12	13	15	16	21	26	31	37	43
20°	11	12	13	14	16	19	25	30	36	43	50
18.75°	12	12	14	15	17	23	28	35	41	48	58
17.5°	12	13	14	16	21	26	32	39	46	55	79
16.25°	12	14	15	18	24	29	36	43	52	71	118
15°	13	14	16	20	26	33	40	48	59	95	170
13.75°	13	15	17	23	29	36	44	53	76	136	235
12.5°	14	16	19	25	32	40	47	60	100	186	300
11.25°	14	16	21	28	35	43	52	74	134	240	362
10°	15	17	23	30	37	45	56	87	172	292	426
8.75°	15	18	25	32	40	48	64	114	214	340	483
7.5°	16	20	26	33	42	51	73	137	251	385	534
6.25°	16	21	28	35	43	53	81	159	285	426	578
5°	16	22	29	36	45	55	91	184	314	461	615
3.75°	17	23	29	37	46	58	103	203	336	487	640
2.5°	17	23	30	38	47	61	111	217	352	507	658
1.25°	17	23	30	39	47	63	117	226	362	519	669
0°	17	24	30	39	47	64	119	228	365	522	673
-1.25°	17	23	30	39	47	63	117	226	362	519	669
-2.5°	17	23	30	38	47	61	111	217	352	507	658
-3.75°	17	23	29	37	46	58	103	203	336	487	640
-5°	16	22	29	36	45	55	91	184	314	461	615
-6.25°	16	21	28	35	43	53	81	159	285	426	578
-7.5°	16	20	26	33	42	51	73	137	251	385	534
-8.75°	15	18	25	32	40	48	64	114	214	340	483
-10°	15	17	23	30	37	45	56	87	172	292	426
-11.25°	14	16	21	28	35	43	52	74	134	240	362
-12.5°	14	16	19	25	32	40	47	60	100	186	300
-13.75°	13	15	17	23	29	36	44	53	76	136	235
-15°	13	14	16	20	26	33	40	48	59	95	170
-16.25°	12	14	15	18	24	29	36	43	52	71	118
-17.5°	12	13	14	16	21	26	32	39	46	55	79
-18.75°	12	12	14	15	17	23	28	35	41	48	58
-20°	11	12	13	14	16	19	25	30	36	43	50
-21.25°	11	12	12	13	15	16	21	26	31	37	43





REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	11	11	12	13	14	15	17	22	27	32	38
-23.75°	10	11	12	12	13	14	16	18	23	27	32
-25°	10	10	11	12	12	13	14	16	18	23	27
-26.25°	9	10	11	11	12	12	13	14	16	18	22
-27.5°	9	10	10	11	11	12	12	13	14	16	17
-28.75°	9	9	10	10	11	11	12	12	13	14	15
-30°	8	9	9	10	10	11	11	12	12	13	14
-31.25°	8	8	9	9	10	10	11	11	12	12	13
-32.5°	8	8	8	9	9	10	10	11	11	12	12
-33.75°	7	8	8	8	9	9	10	10	10	11	11
-35°	7	7	8	8	8	9	9	9	10	10	11
-36.25°	7	7	7	8	8	8	8	9	9	10	10
-37.5°	7	7	7	7	7	8	8	8	9	9	9
-38.75°	6	7	7	7	7	7	8	8	8	8	9
-40°	6	6	6	7	7	7	7	7	8	8	8
-41.25°	6	6	6	6	7	7	7	7	7	8	8
-42.5°	6	6	6	6	6	6	7	7	7	7	7
-43.75°	6	6	6	6	6	6	6	7	7	7	7
-45°	6	6	6	6	6	6	6	6	6	7	7
-46.25°	5	6	6	6	6	6	6	6	6	6	6
-47.5°	5	5	6	6	6	6	6	6	6	6	6
-48.75°	5	5	5	5	6	6	6	6	6	6	6
-50°	5	5	5	5	5	5	6	6	6	6	6
-51.25°	4	4	5	5	5	5	5	5	5	6	6
-52.5°	4	4	4	4	5	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	5	5	5	5	5
-55°	3	4	4	4	4	4	4	4	4	5	5
-56.25°	3	3	3	3	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	3	4	4	4	4	4
-58.75°	2	3	3	3	3	3	3	3	3	3	4
-60°	2	2	2	2	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	2	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	2	2	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	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°	0	0	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	2
66.25°	1	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	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	5	5	5	5
56.25°	4	4	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	5	5	5	5
53.75°	5	5	5	5	5	6	6	6	6	6	6
52.5°	5	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	6	6	6	6	6	6	6	6	6	7	7
47.5°	6	6	6	6	7	7	7	7	7	7	7
46.25°	6	7	7	7	7	7	7	7	7	7	7
45°	7	7	7	7	7	7	7	8	8	8	8
43.75°	7	7	7	8	8	8	8	8	8	8	8
42.5°	7	8	8	8	8	8	8	9	9	9	9
41.25°	8	8	8	9	9	9	9	9	10	10	10
40°	8	9	9	9	10	10	10	10	10	11	11
38.75°	9	9	10	10	10	10	11	11	11	11	11
37.5°	10	10	10	11	11	11	11	12	12	12	12
36.25°	10	11	11	11	12	12	12	12	13	13	13
35°	11	11	12	12	12	13	13	14	14	15	15

REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	12	12	12	13	14	14	15	16	16	17	18
32.5°	12	13	14	14	15	16	17	19	21	23	25
31.25°	13	14	15	16	18	20	23	25	28	30	32
30°	15	16	17	21	24	26	29	32	35	37	40
28.75°	16	19	23	26	29	33	36	40	43	45	48
27.5°	21	25	28	32	36	40	44	47	52	56	64
26.25°	26	30	35	39	43	48	53	60	74	87	114
25°	31	36	41	46	52	59	76	100	134	172	214
23.75°	37	43	48	55	71	95	136	186	240	292	340
22.5°	43	50	58	79	118	170	235	300	362	426	483
21.25°	50	61	84	134	201	275	350	427	501	568	628
20°	61	86	142	220	303	388	477	561	636	699	748
18.75°	84	142	226	317	413	511	604	683	748	797	830
17.5°	134	220	317	421	528	629	715	778	826	860	893
16.25°	201	303	413	528	637	731	797	843	883	922	967
15°	275	388	511	629	731	803	851	897	947	1001	1056
13.75°	350	477	604	715	797	851	902	960	1024	1089	1166
12.5°	427	561	683	778	843	897	960	1031	1110	1202	1328
11.25°	501	636	748	826	883	947	1024	1110	1219	1363	1530
10°	568	699	797	860	922	1001	1089	1202	1363	1554	1766
8.75°	628	748	830	893	967	1056	1166	1328	1530	1766	2059
7.5°	676	785	856	923	1010	1113	1258	1461	1706	2015	2416
6.25°	716	815	880	956	1051	1170	1352	1588	1884	2288	2824
5°	745	832	900	984	1085	1230	1447	1717	2077	2576	3254
3.75°	764	846	916	1007	1120	1288	1525	1821	2252	2866	3692
2.5°	778	856	929	1026	1146	1331	1584	1921	2409	3102	4029
1.25°	787	862	938	1037	1161	1356	1626	1985	2505	3248	4257
0°	790	864	941	1040	1167	1365	1640	2007	2538	3298	4339
-1.25°	787	862	938	1037	1161	1356	1626	1985	2505	3248	4257
-2.5°	778	856	929	1026	1146	1331	1584	1921	2409	3102	4029
-3.75°	764	846	916	1007	1120	1288	1525	1821	2252	2866	3692
-5°	745	832	900	984	1085	1230	1447	1717	2077	2576	3254
-6.25°	716	815	880	956	1051	1170	1352	1588	1884	2288	2824
-7.5°	676	785	856	923	1010	1113	1258	1461	1706	2015	2416
-8.75°	628	748	830	893	967	1056	1166	1328	1530	1766	2059
-10°	568	699	797	860	922	1001	1089	1202	1363	1554	1766
-11.25°	501	636	748	826	883	947	1024	1110	1219	1363	1530
-12.5°	427	561	683	778	843	897	960	1031	1110	1202	1328
-13.75°	350	477	604	715	797	851	902	960	1024	1089	1166
-15°	275	388	511	629	731	803	851	897	947	1001	1056
-16.25°	201	303	413	528	637	731	797	843	883	922	967
-17.5°	134	220	317	421	528	629	715	778	826	860	893
-18.75°	84	142	226	317	413	511	604	683	748	797	830
-20°	61	86	142	220	303	388	477	561	636	699	748
-21.25°	50	61	84	134	201	275	350	427	501	568	628



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	43	50	58	79	118	170	235	300	362	426	483
-23.75°	37	43	48	55	71	95	136	186	240	292	340
-25°	31	36	41	46	52	59	76	100	134	172	214
-26.25°	26	30	35	39	43	48	53	60	74	87	114
-27.5°	21	25	28	32	36	40	44	47	52	56	64
-28.75°	16	19	23	26	29	33	36	40	43	45	48
-30°	15	16	17	21	24	26	29	32	35	37	40
-31.25°	13	14	15	16	18	20	23	25	28	30	32
-32.5°	12	13	14	14	15	16	17	19	21	23	25
-33.75°	12	12	12	13	14	14	15	16	16	17	18
-35°	11	11	12	12	12	13	13	14	14	15	15
-36.25°	10	11	11	11	12	12	12	12	13	13	13
-37.5°	10	10	10	11	11	11	11	12	12	12	12
-38.75°	9	9	10	10	10	10	11	11	11	11	11
-40°	8	9	9	9	10	10	10	10	10	11	11
-41.25°	8	8	8	9	9	9	9	9	10	10	10
-42.5°	7	8	8	8	8	8	8	9	9	9	9
-43.75°	7	7	7	8	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	7	8	8	8	8
-46.25°	6	7	7	7	7	7	7	7	7	7	7
-47.5°	6	6	6	6	7	7	7	7	7	7	7
-48.75°	6	6	6	6	6	6	6	6	6	7	7
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	5	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	6	6	6	6	6	6
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	4	4	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	4	4	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	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°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	5	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	7	7	7	7	7	7	7	7	7	7	7
47.5°	7	7	7	7	7	7	7	7	7	7	7
46.25°	7	7	8	8	8	8	8	8	8	8	8
45°	8	8	8	8	8	8	8	8	8	8	8
43.75°	8	9	9	9	9	9	9	9	9	9	9
42.5°	9	9	9	10	10	10	10	10	10	10	9
41.25°	10	10	10	10	10	10	10	10	10	10	10
40°	11	11	11	11	11	11	11	11	11	11	11
38.75°	12	12	12	12	12	12	12	12	12	12	12
37.5°	12	13	13	13	13	13	13	13	13	13	13
36.25°	14	14	14	15	15	15	15	15	15	15	14
35°	16	16	16	17	17	17	17	17	17	17	16



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	20	21	22	23	23	23	24	23	23	23	22
32.5°	26	28	29	29	30	30	30	30	30	29	29
31.25°	33	35	36	37	38	39	39	39	38	37	36
30°	42	43	45	46	47	47	47	47	47	46	45
28.75°	51	53	55	58	61	63	64	63	61	58	55
27.5°	73	81	91	103	111	117	119	117	111	103	91
26.25°	137	159	184	203	217	226	228	226	217	203	184
25°	251	285	314	336	352	362	365	362	352	336	314
23.75°	385	426	461	487	507	519	522	519	507	487	461
22.5°	534	578	615	640	658	669	673	669	658	640	615
21.25°	676	716	745	764	778	787	790	787	778	764	745
20°	785	815	832	846	856	862	864	862	856	846	832
18.75°	856	880	900	916	929	938	941	938	929	916	900
17.5°	923	956	984	1007	1026	1037	1040	1037	1026	1007	984
16.25°	1010	1051	1085	1120	1146	1161	1167	1161	1146	1120	1085
15°	1113	1170	1230	1288	1331	1356	1365	1356	1331	1288	1230
13.75°	1258	1352	1447	1525	1584	1626	1640	1626	1584	1525	1447
12.5°	1461	1588	1717	1821	1921	1985	2007	1985	1921	1821	1717
11.25°	1706	1884	2077	2252	2409	2505	2538	2505	2409	2252	2077
10°	2015	2288	2576	2866	3102	3248	3298	3248	3102	2866	2576
8.75°	2416	2824	3254	3692	4029	4257	4339	4257	4029	3692	3254
7.5°	2918	3499	4103	4680	5128	5431	5535	5431	5128	4680	4103
6.25°	3499	4265	5033	5751	6303	6652	6773	6652	6303	5751	5033
5°	4103	5033	5971	6775	7402	7808	7952	7808	7402	6775	5971
3.75°	4680	5751	6775	7670	8367	8824	8961	8824	8367	7670	6775
2.5°	5128	6303	7402	8367	9106	9572	9722	9572	9106	8367	7402
1.25°	5431	6652	7808	8824	9572	10047	10208	10047	9572	8824	7808
0°	5535	6773	7952	8961	9722	10208	10419	10208	9722	8961	7952
-1.25°	5431	6652	7808	8824	9572	10047	10208	10047	9572	8824	7808
-2.5°	5128	6303	7402	8367	9106	9572	9722	9572	9106	8367	7402
-3.75°	4680	5751	6775	7670	8367	8824	8961	8824	8367	7670	6775
-5°	4103	5033	5971	6775	7402	7808	7952	7808	7402	6775	5971
-6.25°	3499	4265	5033	5751	6303	6652	6773	6652	6303	5751	5033
-7.5°	2918	3499	4103	4680	5128	5431	5535	5431	5128	4680	4103
-8.75°	2416	2824	3254	3692	4029	4257	4339	4257	4029	3692	3254
-10°	2015	2288	2576	2866	3102	3248	3298	3248	3102	2866	2576
-11.25°	1706	1884	2077	2252	2409	2505	2538	2505	2409	2252	2077
-12.5°	1461	1588	1717	1821	1921	1985	2007	1985	1921	1821	1717
-13.75°	1258	1352	1447	1525	1584	1626	1640	1626	1584	1525	1447
-15°	1113	1170	1230	1288	1331	1356	1365	1356	1331	1288	1230
-16.25°	1010	1051	1085	1120	1146	1161	1167	1161	1146	1120	1085
-17.5°	923	956	984	1007	1026	1037	1040	1037	1026	1007	984
-18.75°	856	880	900	916	929	938	941	938	929	916	900
-20°	785	815	832	846	856	862	864	862	856	846	832
-21.25°	676	716	745	764	778	787	790	787	778	764	745





REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	534	578	615	640	658	669	673	669	658	640	615
-23.75°	385	426	461	487	507	519	522	519	507	487	461
-25°	251	285	314	336	352	362	365	362	352	336	314
-26.25°	137	159	184	203	217	226	228	226	217	203	184
-27.5°	73	81	91	103	111	117	119	117	111	103	91
-28.75°	51	53	55	58	61	63	64	63	61	58	55
-30°	42	43	45	46	47	47	47	47	47	46	45
-31.25°	33	35	36	37	38	39	39	39	38	37	36
-32.5°	26	28	29	29	30	30	30	30	30	29	29
-33.75°	20	21	22	23	23	23	24	23	23	23	22
-35°	16	16	16	17	17	17	17	17	17	17	16
-36.25°	14	14	14	15	15	15	15	15	15	15	14
-37.5°	12	13	13	13	13	13	13	13	13	13	13
-38.75°	12	12	12	12	12	12	12	12	12	12	12
-40°	11	11	11	11	11	11	11	11	11	11	11
-41.25°	10	10	10	10	10	10	10	10	10	10	10
-42.5°	9	9	9	10	10	10	10	10	10	10	9
-43.75°	8	9	9	9	9	9	9	9	9	9	9
-45°	8	8	8	8	8	8	8	8	8	8	8
-46.25°	7	7	8	8	8	8	8	8	8	8	8
-47.5°	7	7	7	7	7	7	7	7	7	7	7
-48.75°	7	7	7	7	7	7	7	7	7	7	7
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	6	6	6
-55°	5	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	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°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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	0
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	1	1	1	1	1	1	1	1
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°	3	3	3	3	3	3	3	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	3	3	3	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	4	4	4	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	4	4	4	4	4
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	6	5	5	5	5	5	5	5	5	5	5
53.75°	6	6	6	6	6	6	6	6	5	5	5
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	7	7	7	7	6	6	6	6	6	6	6
47.5°	7	7	7	7	7	7	7	7	7	6	6
46.25°	7	7	7	7	7	7	7	7	7	7	7
45°	8	8	8	8	8	8	7	7	7	7	7
43.75°	9	8	8	8	8	8	8	8	8	8	7
42.5°	9	9	9	9	9	9	8	8	8	8	8
41.25°	10	10	10	10	10	9	9	9	9	9	8
40°	11	11	11	11	10	10	10	10	10	9	9
38.75°	12	12	11	11	11	11	11	10	10	10	10
37.5°	13	12	12	12	12	12	11	11	11	11	10
36.25°	14	14	13	13	13	12	12	12	12	11	11
35°	16	16	15	15	14	14	13	13	12	12	12



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	21	20	18	17	16	16	15	14	14	13	12
32.5°	28	26	25	23	21	19	17	16	15	14	14
31.25°	35	33	32	30	28	25	23	20	18	16	15
30°	43	42	40	37	35	32	29	26	24	21	17
28.75°	53	51	48	45	43	40	36	33	29	26	23
27.5°	81	73	64	56	52	47	44	40	36	32	28
26.25°	159	137	114	87	74	60	53	48	43	39	35
25°	285	251	214	172	134	100	76	59	52	46	41
23.75°	426	385	340	292	240	186	136	95	71	55	48
22.5°	578	534	483	426	362	300	235	170	118	79	58
21.25°	716	676	628	568	501	427	350	275	201	134	84
20°	815	785	748	699	636	561	477	388	303	220	142
18.75°	880	856	830	797	748	683	604	511	413	317	226
17.5°	956	923	893	860	826	778	715	629	528	421	317
16.25°	1051	1010	967	922	883	843	797	731	637	528	413
15°	1170	1113	1056	1001	947	897	851	803	731	629	511
13.75°	1352	1258	1166	1089	1024	960	902	851	797	715	604
12.5°	1588	1461	1328	1202	1110	1031	960	897	843	778	683
11.25°	1884	1706	1530	1363	1219	1110	1024	947	883	826	748
10°	2288	2015	1766	1554	1363	1202	1089	1001	922	860	797
8.75°	2824	2416	2059	1766	1530	1328	1166	1056	967	893	830
7.5°	3499	2918	2416	2015	1706	1461	1258	1113	1010	923	856
6.25°	4265	3499	2824	2288	1884	1588	1352	1170	1051	956	880
5°	5033	4103	3254	2576	2077	1717	1447	1230	1085	984	900
3.75°	5751	4680	3692	2866	2252	1821	1525	1288	1120	1007	916
2.5°	6303	5128	4029	3102	2409	1921	1584	1331	1146	1026	929
1.25°	6652	5431	4257	3248	2505	1985	1626	1356	1161	1037	938
0°	6773	5535	4339	3298	2538	2007	1640	1365	1167	1040	941
-1.25°	6652	5431	4257	3248	2505	1985	1626	1356	1161	1037	938
-2.5°	6303	5128	4029	3102	2409	1921	1584	1331	1146	1026	929
-3.75°	5751	4680	3692	2866	2252	1821	1525	1288	1120	1007	916
-5°	5033	4103	3254	2576	2077	1717	1447	1230	1085	984	900
-6.25°	4265	3499	2824	2288	1884	1588	1352	1170	1051	956	880
-7.5°	3499	2918	2416	2015	1706	1461	1258	1113	1010	923	856
-8.75°	2824	2416	2059	1766	1530	1328	1166	1056	967	893	830
-10°	2288	2015	1766	1554	1363	1202	1089	1001	922	860	797
-11.25°	1884	1706	1530	1363	1219	1110	1024	947	883	826	748
-12.5°	1588	1461	1328	1202	1110	1031	960	897	843	778	683
-13.75°	1352	1258	1166	1089	1024	960	902	851	797	715	604
-15°	1170	1113	1056	1001	947	897	851	803	731	629	511
-16.25°	1051	1010	967	922	883	843	797	731	637	528	413
-17.5°	956	923	893	860	826	778	715	629	528	421	317
-18.75°	880	856	830	797	748	683	604	511	413	317	226
-20°	815	785	748	699	636	561	477	388	303	220	142
-21.25°	716	676	628	568	501	427	350	275	201	134	84



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	578	534	483	426	362	300	235	170	118	79	58
-23.75°	426	385	340	292	240	186	136	95	71	55	48
-25°	285	251	214	172	134	100	76	59	52	46	41
-26.25°	159	137	114	87	74	60	53	48	43	39	35
-27.5°	81	73	64	56	52	47	44	40	36	32	28
-28.75°	53	51	48	45	43	40	36	33	29	26	23
-30°	43	42	40	37	35	32	29	26	24	21	17
-31.25°	35	33	32	30	28	25	23	20	18	16	15
-32.5°	28	26	25	23	21	19	17	16	15	14	14
-33.75°	21	20	18	17	16	16	15	14	14	13	12
-35°	16	16	15	15	14	14	13	13	12	12	12
-36.25°	14	14	13	13	13	12	12	12	12	11	11
-37.5°	13	12	12	12	12	12	11	11	11	11	10
-38.75°	12	12	11	11	11	11	11	10	10	10	10
-40°	11	11	11	11	10	10	10	10	10	9	9
-41.25°	10	10	10	10	10	9	9	9	9	9	8
-42.5°	9	9	9	9	9	9	8	8	8	8	8
-43.75°	9	8	8	8	8	8	8	8	8	8	7
-45°	8	8	8	8	8	8	7	7	7	7	7
-46.25°	7	7	7	7	7	7	7	7	7	7	7
-47.5°	7	7	7	7	7	7	7	7	7	6	6
-48.75°	7	7	7	7	6	6	6	6	6	6	6
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	5	5	5
-55°	6	5	5	5	5	5	5	5	5	5	5
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	3
-61.25°	4	4	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	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	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	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°	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	1	1	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	2	2	1
62.5°	3	3	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	2	2
58.75°	4	4	4	3	3	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	3	3	3	3
56.25°	4	4	4	4	4	4	4	4	4	3	3
55°	5	5	5	5	4	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	4	4	4	4
52.5°	6	5	5	5	5	5	5	5	5	4	4
51.25°	6	6	6	6	5	5	5	5	5	5	5
50°	6	6	6	6	6	6	6	5	5	5	5
48.75°	6	6	6	6	6	6	6	6	6	5	5
47.5°	6	6	6	6	6	6	6	6	6	6	6
46.25°	7	6	6	6	6	6	6	6	6	6	6
45°	7	7	7	7	6	6	6	6	6	6	6
43.75°	7	7	7	7	7	7	6	6	6	6	6
42.5°	8	7	7	7	7	7	7	6	6	6	6
41.25°	8	8	8	8	7	7	7	7	7	6	6
40°	9	8	8	8	8	7	7	7	7	7	6
38.75°	9	9	9	8	8	8	8	7	7	7	7
37.5°	10	10	9	9	9	8	8	8	7	7	7
36.25°	11	10	10	10	9	9	8	8	8	8	7
35°	11	11	11	10	10	9	9	9	8	8	8



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	12	12	11	11	10	10	10	9	9	8	8
32.5°	13	12	12	12	11	11	10	10	9	9	8
31.25°	14	13	13	12	12	11	11	10	10	9	9
30°	16	15	14	13	12	12	11	11	10	10	9
28.75°	19	16	15	14	13	12	12	11	11	10	10
27.5°	25	21	17	16	14	13	12	12	11	11	10
26.25°	30	26	22	18	16	14	13	12	12	11	11
25°	36	31	27	23	18	16	14	13	12	12	11
23.75°	43	37	32	27	23	18	16	14	13	12	12
22.5°	50	43	38	32	27	22	17	15	14	13	12
21.25°	61	50	43	37	31	26	21	16	15	13	12
20°	86	61	50	43	36	30	25	19	16	14	13
18.75°	142	84	58	48	41	35	28	23	17	15	14
17.5°	220	134	79	55	46	39	32	26	21	16	14
16.25°	303	201	118	71	52	43	36	29	24	18	15
15°	388	275	170	95	59	48	40	33	26	20	16
13.75°	477	350	235	136	76	53	44	36	29	23	17
12.5°	561	427	300	186	100	60	47	40	32	25	19
11.25°	636	501	362	240	134	74	52	43	35	28	21
10°	699	568	426	292	172	87	56	45	37	30	23
8.75°	748	628	483	340	214	114	64	48	40	32	25
7.5°	785	676	534	385	251	137	73	51	42	33	26
6.25°	815	716	578	426	285	159	81	53	43	35	28
5°	832	745	615	461	314	184	91	55	45	36	29
3.75°	846	764	640	487	336	203	103	58	46	37	29
2.5°	856	778	658	507	352	217	111	61	47	38	30
1.25°	862	787	669	519	362	226	117	63	47	39	30
0°	864	790	673	522	365	228	119	64	47	39	30
-1.25°	862	787	669	519	362	226	117	63	47	39	30
-2.5°	856	778	658	507	352	217	111	61	47	38	30
-3.75°	846	764	640	487	336	203	103	58	46	37	29
-5°	832	745	615	461	314	184	91	55	45	36	29
-6.25°	815	716	578	426	285	159	81	53	43	35	28
-7.5°	785	676	534	385	251	137	73	51	42	33	26
-8.75°	748	628	483	340	214	114	64	48	40	32	25
-10°	699	568	426	292	172	87	56	45	37	30	23
-11.25°	636	501	362	240	134	74	52	43	35	28	21
-12.5°	561	427	300	186	100	60	47	40	32	25	19
-13.75°	477	350	235	136	76	53	44	36	29	23	17
-15°	388	275	170	95	59	48	40	33	26	20	16
-16.25°	303	201	118	71	52	43	36	29	24	18	15
-17.5°	220	134	79	55	46	39	32	26	21	16	14
-18.75°	142	84	58	48	41	35	28	23	17	15	14
-20°	86	61	50	43	36	30	25	19	16	14	13
-21.25°	61	50	43	37	31	26	21	16	15	13	12





REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	50	43	38	32	27	22	17	15	14	13	12
-23.75°	43	37	32	27	23	18	16	14	13	12	12
-25°	36	31	27	23	18	16	14	13	12	12	11
-26.25°	30	26	22	18	16	14	13	12	12	11	11
-27.5°	25	21	17	16	14	13	12	12	11	11	10
-28.75°	19	16	15	14	13	12	12	11	11	10	10
-30°	16	15	14	13	12	12	11	11	10	10	9
-31.25°	14	13	13	12	12	11	11	10	10	9	9
-32.5°	13	12	12	12	11	11	10	10	9	9	8
-33.75°	12	12	11	11	10	10	10	9	9	8	8
-35°	11	11	11	10	10	9	9	9	8	8	8
-36.25°	11	10	10	10	9	9	8	8	8	8	7
-37.5°	10	10	9	9	9	8	8	8	7	7	7
-38.75°	9	9	9	8	8	8	8	7	7	7	7
-40°	9	8	8	8	8	7	7	7	7	7	6
-41.25°	8	8	8	8	7	7	7	7	7	6	6
-42.5°	8	7	7	7	7	7	7	6	6	6	6
-43.75°	7	7	7	7	7	7	6	6	6	6	6
-45°	7	7	7	7	6	6	6	6	6	6	6
-46.25°	7	6	6	6	6	6	6	6	6	6	6
-47.5°	6	6	6	6	6	6	6	6	6	6	6
-48.75°	6	6	6	6	6	6	6	6	6	5	5
-50°	6	6	6	6	6	6	6	5	5	5	5
-51.25°	6	6	6	6	5	5	5	5	5	5	5
-52.5°	6	5	5	5	5	5	5	5	5	4	4
-53.75°	5	5	5	5	5	5	5	4	4	4	4
-55°	5	5	5	5	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	3	3
-57.5°	4	4	4	4	4	4	4	3	3	3	3
-58.75°	4	4	4	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	2	2
-61.25°	3	3	3	3	3	3	2	2	2	2	2
-62.5°	3	3	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	1
-65°	2	2	2	2	2	2	1	1	1	1	1
-66.25°	2	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	1	1	1	1	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	1	0	0
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	2	2	1	1	1	1	1	1	1	1	1
61.25°	2	2	2	2	1	1	1	1	1	1	1
60°	2	2	2	2	2	2	1	1	1	1	1
58.75°	3	2	2	2	2	2	2	2	1	1	1
57.5°	3	3	3	2	2	2	2	2	2	2	1
56.25°	3	3	3	3	3	2	2	2	2	2	2
55°	4	3	3	3	3	3	3	2	2	2	2
53.75°	4	4	4	3	3	3	3	3	2	2	2
52.5°	4	4	4	4	3	3	3	3	3	3	2
51.25°	4	4	4	4	4	4	3	3	3	3	3
50°	5	5	4	4	4	4	4	3	3	3	3
48.75°	5	5	5	4	4	4	4	4	4	3	3
47.5°	5	5	5	5	5	4	4	4	4	4	3
46.25°	6	5	5	5	5	5	4	4	4	4	4
45°	6	6	6	5	5	5	5	4	4	4	4
43.75°	6	6	6	6	5	5	5	5	4	4	4
42.5°	6	6	6	6	6	5	5	5	5	4	4
41.25°	6	6	6	6	6	6	5	5	5	5	4
40°	6	6	6	6	6	6	6	5	5	5	5
38.75°	7	6	6	6	6	6	6	6	5	5	5
37.5°	7	7	6	6	6	6	6	6	6	5	5
36.25°	7	7	7	6	6	6	6	6	6	6	5
35°	7	7	7	7	6	6	6	6	6	6	5



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	8	7	7	7	7	6	6	6	6	6	6
32.5°	8	8	7	7	7	6	6	6	6	6	6
31.25°	8	8	8	7	7	7	6	6	6	6	6
30°	9	8	8	7	7	7	7	6	6	6	6
28.75°	9	9	8	8	7	7	7	6	6	6	6
27.5°	10	9	8	8	8	7	7	7	6	6	6
26.25°	10	9	9	8	8	7	7	7	7	6	6
25°	10	10	9	9	8	8	7	7	7	6	6
23.75°	11	10	10	9	8	8	8	7	7	7	6
22.5°	11	11	10	9	9	8	8	7	7	7	6
21.25°	12	11	10	10	9	8	8	7	7	7	6
20°	12	11	11	10	9	9	8	8	7	7	7
18.75°	12	12	11	10	10	9	8	8	7	7	7
17.5°	13	12	11	11	10	9	9	8	8	7	7
16.25°	14	12	12	11	10	10	9	8	8	7	7
15°	14	13	12	11	10	10	9	8	8	7	7
13.75°	15	13	12	11	11	10	9	8	8	7	7
12.5°	16	14	12	12	11	10	9	9	8	8	7
11.25°	16	14	13	12	11	10	10	9	8	8	7
10°	17	15	13	12	11	11	10	9	8	8	7
8.75°	18	15	13	12	11	11	10	9	8	8	7
7.5°	20	16	14	12	12	11	10	9	8	8	7
6.25°	21	16	14	13	12	11	10	9	9	8	7
5°	22	16	14	13	12	11	10	9	9	8	8
3.75°	23	17	15	13	12	11	10	10	9	8	8
2.5°	23	17	15	13	12	11	10	10	9	8	8
1.25°	23	17	15	13	12	11	10	10	9	8	8
0°	24	17	15	13	12	11	10	10	9	8	8
-1.25°	23	17	15	13	12	11	10	10	9	8	8
-2.5°	23	17	15	13	12	11	10	10	9	8	8
-3.75°	23	17	15	13	12	11	10	10	9	8	8
-5°	22	16	14	13	12	11	10	9	9	8	8
-6.25°	21	16	14	13	12	11	10	9	9	8	7
-7.5°	20	16	14	12	12	11	10	9	8	8	7
-8.75°	18	15	13	12	11	11	10	9	8	8	7
-10°	17	15	13	12	11	11	10	9	8	8	7
-11.25°	16	14	13	12	11	10	10	9	8	8	7
-12.5°	16	14	12	12	11	10	9	9	8	8	7
-13.75°	15	13	12	11	11	10	9	8	8	7	7
-15°	14	13	12	11	10	10	9	8	8	7	7
-16.25°	14	12	12	11	10	10	9	8	8	7	7
-17.5°	13	12	11	11	10	9	9	8	8	7	7
-18.75°	12	12	11	10	10	9	8	8	7	7	7
-20°	12	11	11	10	9	9	8	8	7	7	7
-21.25°	12	11	10	10	9	8	8	7	7	7	6



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	11	11	10	9	9	8	8	7	7	7	6
-23.75°	11	10	10	9	8	8	8	7	7	7	6
-25°	10	10	9	9	8	8	7	7	7	6	6
-26.25°	10	9	9	8	8	7	7	7	7	6	6
-27.5°	10	9	8	8	8	7	7	7	6	6	6
-28.75°	9	9	8	8	7	7	7	6	6	6	6
-30°	9	8	8	7	7	7	7	6	6	6	6
-31.25°	8	8	8	7	7	7	6	6	6	6	6
-32.5°	8	8	7	7	7	6	6	6	6	6	6
-33.75°	8	7	7	7	7	6	6	6	6	6	6
-35°	7	7	7	7	6	6	6	6	6	6	5
-36.25°	7	7	7	6	6	6	6	6	6	6	5
-37.5°	7	7	6	6	6	6	6	6	6	5	5
-38.75°	7	6	6	6	6	6	6	6	5	5	5
-40°	6	6	6	6	6	6	6	5	5	5	5
-41.25°	6	6	6	6	6	6	5	5	5	5	4
-42.5°	6	6	6	6	6	5	5	5	5	4	4
-43.75°	6	6	6	6	5	5	5	5	4	4	4
-45°	6	6	6	5	5	5	5	4	4	4	4
-46.25°	6	5	5	5	5	5	4	4	4	4	4
-47.5°	5	5	5	5	5	4	4	4	4	4	3
-48.75°	5	5	5	4	4	4	4	4	4	3	3
-50°	5	5	4	4	4	4	4	3	3	3	3
-51.25°	4	4	4	4	4	4	3	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	3	2
-53.75°	4	4	4	3	3	3	3	3	2	2	2
-55°	4	3	3	3	3	3	3	2	2	2	2
-56.25°	3	3	3	3	3	2	2	2	2	2	2
-57.5°	3	3	3	2	2	2	2	2	2	2	1
-58.75°	3	2	2	2	2	2	2	2	1	1	1
-60°	2	2	2	2	2	2	1	1	1	1	1
-61.25°	2	2	2	2	1	1	1	1	1	1	1
-62.5°	2	2	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	0	0	0	0
-68.75°	1	1	1	1	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	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	0	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	0	0	0	0	0	0
60°	1	1	1	1	1	1	1	0	0	0	0
58.75°	1	1	1	1	1	1	1	1	0	0	0
57.5°	1	1	1	1	1	1	1	1	1	0	0
56.25°	1	1	1	1	1	1	1	1	1	1	0
55°	2	2	1	1	1	1	1	1	1	1	1
53.75°	2	2	2	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	1	1	1	1	1	1	1
51.25°	2	2	2	2	2	1	1	1	1	1	1
50°	3	2	2	2	2	2	1	1	1	1	1
48.75°	3	3	2	2	2	2	2	1	1	1	1
47.5°	3	3	3	2	2	2	2	1	1	1	1
46.25°	3	3	3	3	2	2	2	2	1	1	1
45°	4	3	3	3	3	2	2	2	2	1	1
43.75°	4	4	3	3	3	2	2	2	2	1	1
42.5°	4	4	3	3	3	3	2	2	2	2	1
41.25°	4	4	4	3	3	3	3	2	2	2	1
40°	4	4	4	4	3	3	3	2	2	2	2
38.75°	5	4	4	4	3	3	3	3	2	2	2
37.5°	5	4	4	4	4	3	3	3	2	2	2
36.25°	5	5	4	4	4	4	3	3	3	2	2
35°	5	5	5	4	4	4	3	3	3	2	2



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	5	5	5	4	4	4	4	3	3	3	2
32.5°	6	5	5	5	4	4	4	3	3	3	2
31.25°	6	5	5	5	4	4	4	3	3	3	2
30°	6	6	5	5	5	4	4	4	3	3	3
28.75°	6	6	5	5	5	4	4	4	3	3	3
27.5°	6	6	6	5	5	5	4	4	4	3	3
26.25°	6	6	6	5	5	5	4	4	4	3	3
25°	6	6	6	5	5	5	4	4	4	3	3
23.75°	6	6	6	6	5	5	5	4	4	3	3
22.5°	6	6	6	6	5	5	5	4	4	4	3
21.25°	6	6	6	6	5	5	5	4	4	4	3
20°	6	6	6	6	6	5	5	4	4	4	3
18.75°	6	6	6	6	6	5	5	5	4	4	3
17.5°	6	6	6	6	6	5	5	5	4	4	4
16.25°	7	6	6	6	6	5	5	5	4	4	4
15°	7	6	6	6	6	6	5	5	4	4	4
13.75°	7	6	6	6	6	6	5	5	4	4	4
12.5°	7	6	6	6	6	6	5	5	5	4	4
11.25°	7	6	6	6	6	6	5	5	5	4	4
10°	7	7	6	6	6	6	5	5	5	4	4
8.75°	7	7	6	6	6	6	5	5	5	4	4
7.5°	7	7	6	6	6	6	5	5	5	4	4
6.25°	7	7	6	6	6	6	6	5	5	4	4
5°	7	7	6	6	6	6	6	5	5	4	4
3.75°	7	7	6	6	6	6	6	5	5	4	4
2.5°	7	7	6	6	6	6	6	5	5	4	4
1.25°	7	7	6	6	6	6	6	5	5	4	4
0°	7	7	6	6	6	6	6	5	5	4	4
-1.25°	7	7	6	6	6	6	6	5	5	4	4
-2.5°	7	7	6	6	6	6	6	5	5	4	4
-3.75°	7	7	6	6	6	6	6	5	5	4	4
-5°	7	7	6	6	6	6	6	5	5	4	4
-6.25°	7	7	6	6	6	6	6	5	5	4	4
-7.5°	7	7	6	6	6	6	5	5	5	4	4
-8.75°	7	7	6	6	6	6	5	5	5	4	4
-10°	7	7	6	6	6	6	5	5	5	4	4
-11.25°	7	6	6	6	6	6	5	5	5	4	4
-12.5°	7	6	6	6	6	6	5	5	5	4	4
-13.75°	7	6	6	6	6	6	5	5	4	4	4
-15°	7	6	6	6	6	6	5	5	4	4	4
-16.25°	7	6	6	6	6	5	5	5	4	4	4
-17.5°	6	6	6	6	6	5	5	5	4	4	4
-18.75°	6	6	6	6	6	5	5	5	4	4	3
-20°	6	6	6	6	6	5	5	4	4	4	3
-21.25°	6	6	6	6	5	5	5	4	4	4	3





REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	6	6	6	6	5	5	5	4	4	4	3
-23.75°	6	6	6	6	5	5	5	4	4	3	3
-25°	6	6	6	5	5	5	4	4	4	3	3
-26.25°	6	6	6	5	5	5	4	4	4	3	3
-27.5°	6	6	6	5	5	5	4	4	4	3	3
-28.75°	6	6	5	5	5	4	4	4	3	3	3
-30°	6	6	5	5	5	4	4	4	3	3	3
-31.25°	6	5	5	5	4	4	4	3	3	3	2
-32.5°	6	5	5	5	4	4	4	3	3	3	2
-33.75°	5	5	5	4	4	4	4	3	3	3	2
-35°	5	5	5	4	4	4	3	3	3	2	2
-36.25°	5	5	4	4	4	4	3	3	3	2	2
-37.5°	5	4	4	4	4	3	3	3	2	2	2
-38.75°	5	4	4	4	3	3	3	3	2	2	2
-40°	4	4	4	4	3	3	3	2	2	2	2
-41.25°	4	4	4	3	3	3	3	2	2	2	1
-42.5°	4	4	3	3	3	3	2	2	2	2	1
-43.75°	4	4	3	3	3	2	2	2	2	1	1
-45°	4	3	3	3	3	2	2	2	2	1	1
-46.25°	3	3	3	3	2	2	2	2	1	1	1
-47.5°	3	3	3	2	2	2	2	1	1	1	1
-48.75°	3	3	2	2	2	2	2	1	1	1	1
-50°	3	2	2	2	2	2	1	1	1	1	1
-51.25°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-53.75°	2	2	2	1	1	1	1	1	1	1	1
-55°	2	2	1	1	1	1	1	1	1	1	1
-56.25°	1	1	1	1	1	1	1	1	1	1	0
-57.5°	1	1	1	1	1	1	1	1	1	0	0
-58.75°	1	1	1	1	1	1	1	1	0	0	0
-60°	1	1	1	1	1	1	1	0	0	0	0
-61.25°	1	1	1	1	1	0	0	0	0	0	0
-62.5°	1	1	1	1	0	0	0	0	0	0	0
-63.75°	1	1	0	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	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°	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	0	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°	1	1	1	1	0	0	0	0	0	0	0
45°	1	1	1	1	0	0	0	0	0	0	0
43.75°	1	1	1	1	1	0	0	0	0	0	0
42.5°	1	1	1	1	1	0	0	0	0	0	0
41.25°	1	1	1	1	1	1	0	0	0	0	0
40°	1	1	1	1	1	1	0	0	0	0	0
38.75°	1	1	1	1	1	1	0	0	0	0	0
37.5°	2	1	1	1	1	1	1	0	0	0	0
36.25°	2	1	1	1	1	1	1	0	0	0	0
35°	2	2	1	1	1	1	1	0	0	0	0



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	3	2	2	2	1	1	1	1	1	0	0
-23.75°	3	2	2	2	1	1	1	1	1	0	0
-25°	3	2	2	2	1	1	1	1	1	0	0
-26.25°	3	2	2	2	1	1	1	1	1	0	0
-27.5°	2	2	2	1	1	1	1	1	1	0	0
-28.75°	2	2	2	1	1	1	1	1	0	0	0
-30°	2	2	2	1	1	1	1	1	0	0	0
-31.25°	2	2	2	1	1	1	1	1	0	0	0
-32.5°	2	2	1	1	1	1	1	1	0	0	0
-33.75°	2	2	1	1	1	1	1	0	0	0	0
-35°	2	2	1	1	1	1	1	0	0	0	0
-36.25°	2	1	1	1	1	1	1	0	0	0	0
-37.5°	2	1	1	1	1	1	1	0	0	0	0
-38.75°	1	1	1	1	1	1	0	0	0	0	0
-40°	1	1	1	1	1	1	0	0	0	0	0
-41.25°	1	1	1	1	1	1	0	0	0	0	0
-42.5°	1	1	1	1	1	0	0	0	0	0	0
-43.75°	1	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	1	0	0	0	0	0	0	0
-46.25°	1	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	0	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°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	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: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220516 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)