

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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

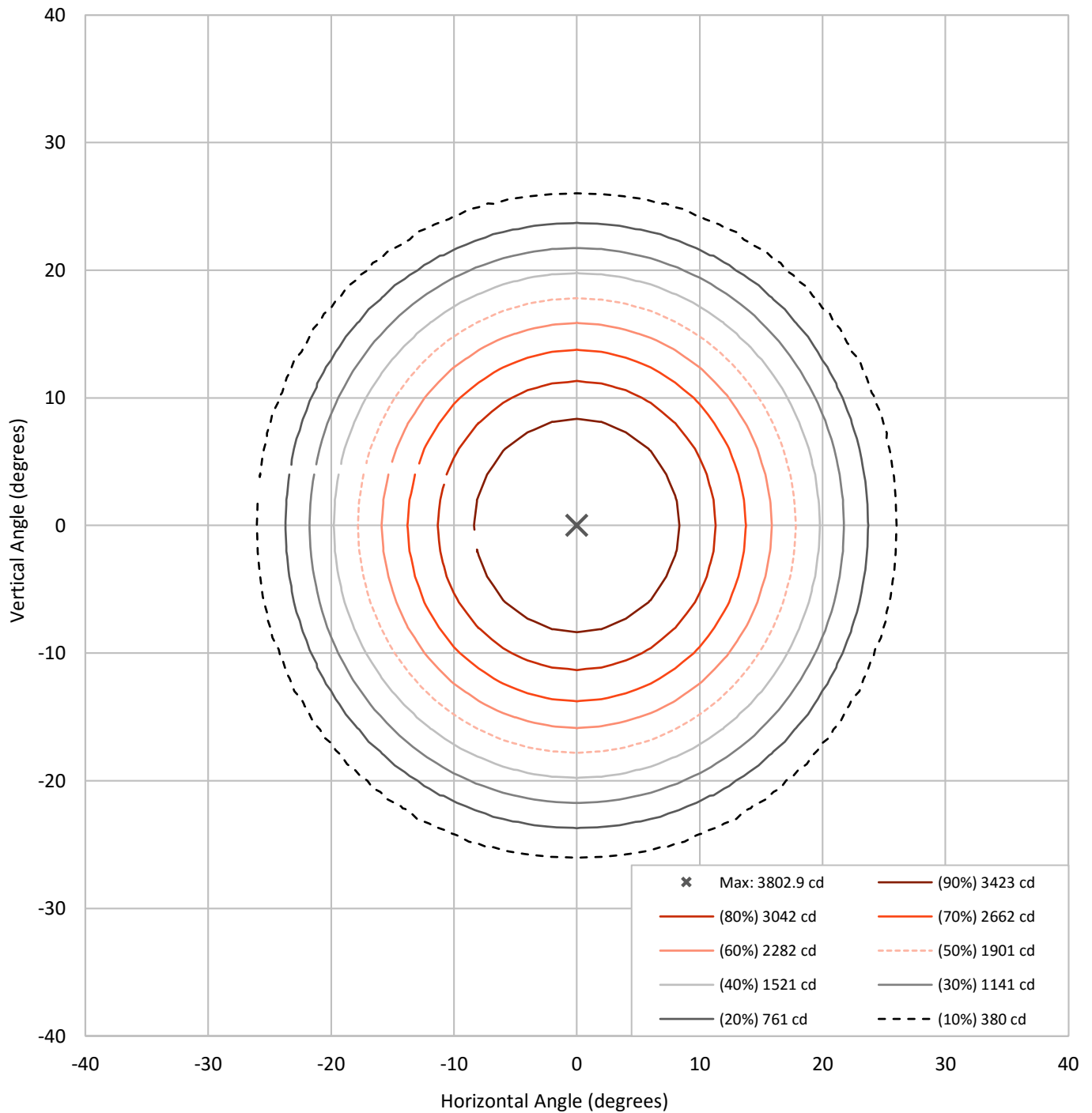
Test Method: LM-79-08
Report Number: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1303.4 lumens	Max Intensity:	3802.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	64.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.6°H x 35.6°V	Field Angle (10%):	52.1°H x 52.1°V
Beam Lumens:	869.2 lumens	Field Lumens:	1223.4 lumens
Beam Efficiency:	66.7%	Field Efficiency:	93.9%
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		

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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L2-UNV

Iso-Candela Plot





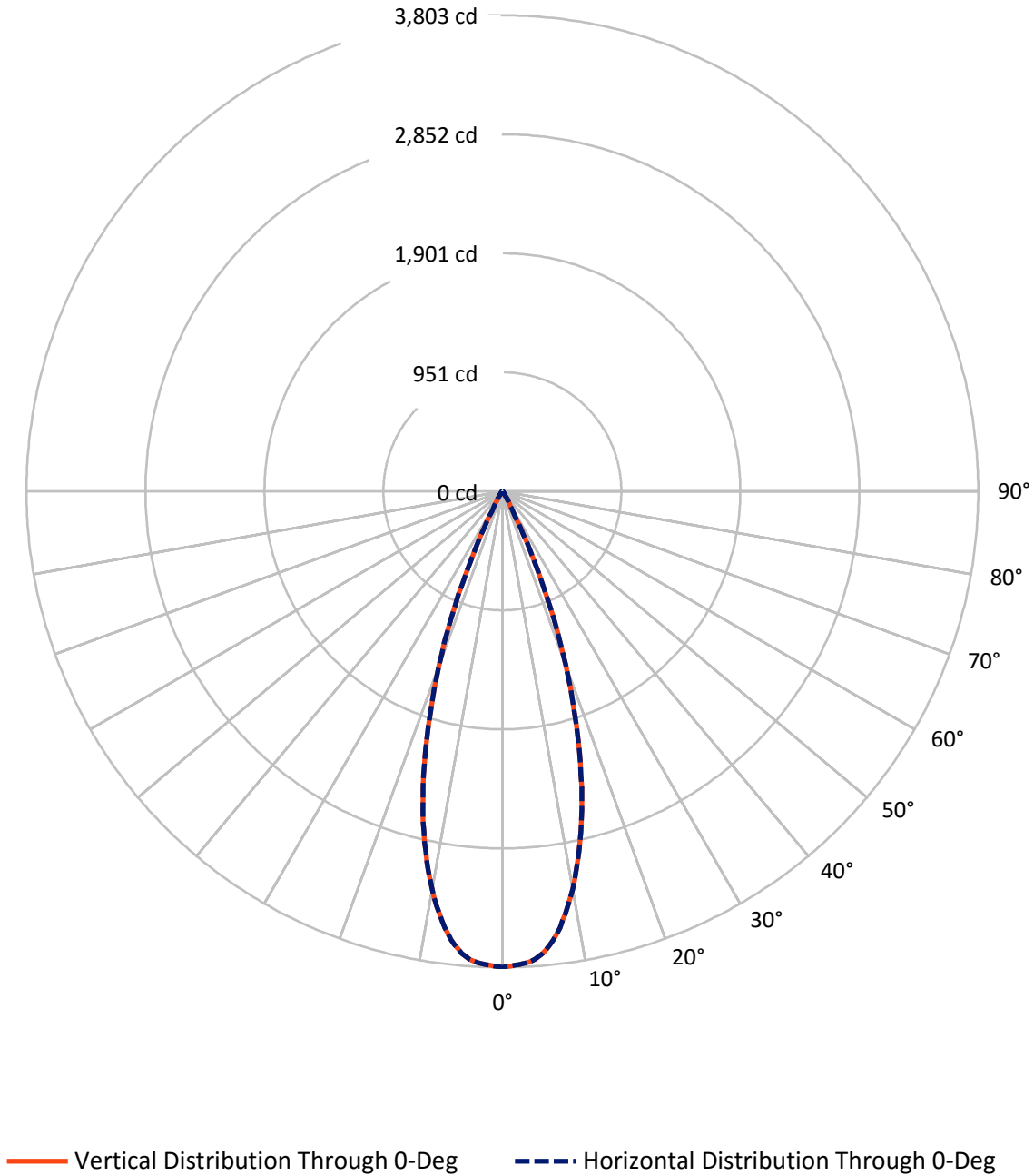
REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L2-UNV

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
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
70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	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	0.1	0.1	0.1	0.1	0.0	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	0.0	0.1	0.2	0.3	0.8	1.3	1.3	0.8	0.3	0.2	0.1	0.0	
30	0.0	0.0	0.1	0.1	0.3	1.3	6.3	16.4	16.4	6.3	1.3	0.3	0.1	0.1	0.0
20		0.0	0.1	0.2	0.7	5.9	36.5	67.4	67.4	36.5	5.9	0.7	0.2	0.1	
10	0.0	0.0	0.1	0.2	1.1	15.2	65.5	104.2	104.2	65.5	15.2	1.1	0.2	0.1	0.0
0		0.0	0.1	0.2	1.1	15.2	65.5	104.2	104.2	65.5	15.2	1.1	0.2	0.1	
-10	0.0	0.0	0.1	0.2	0.7	5.9	36.5	67.4	67.4	36.5	5.9	0.7	0.2	0.1	0.0
-20		0.0	0.1	0.1	0.3	1.3	6.3	16.4	16.4	6.3	1.3	0.3	0.1	0.1	
-30	0.0	0.0	0.0	0.1	0.2	0.3	0.8	1.3	1.3	0.8	0.3	0.2	0.1	0.0	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	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	
-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

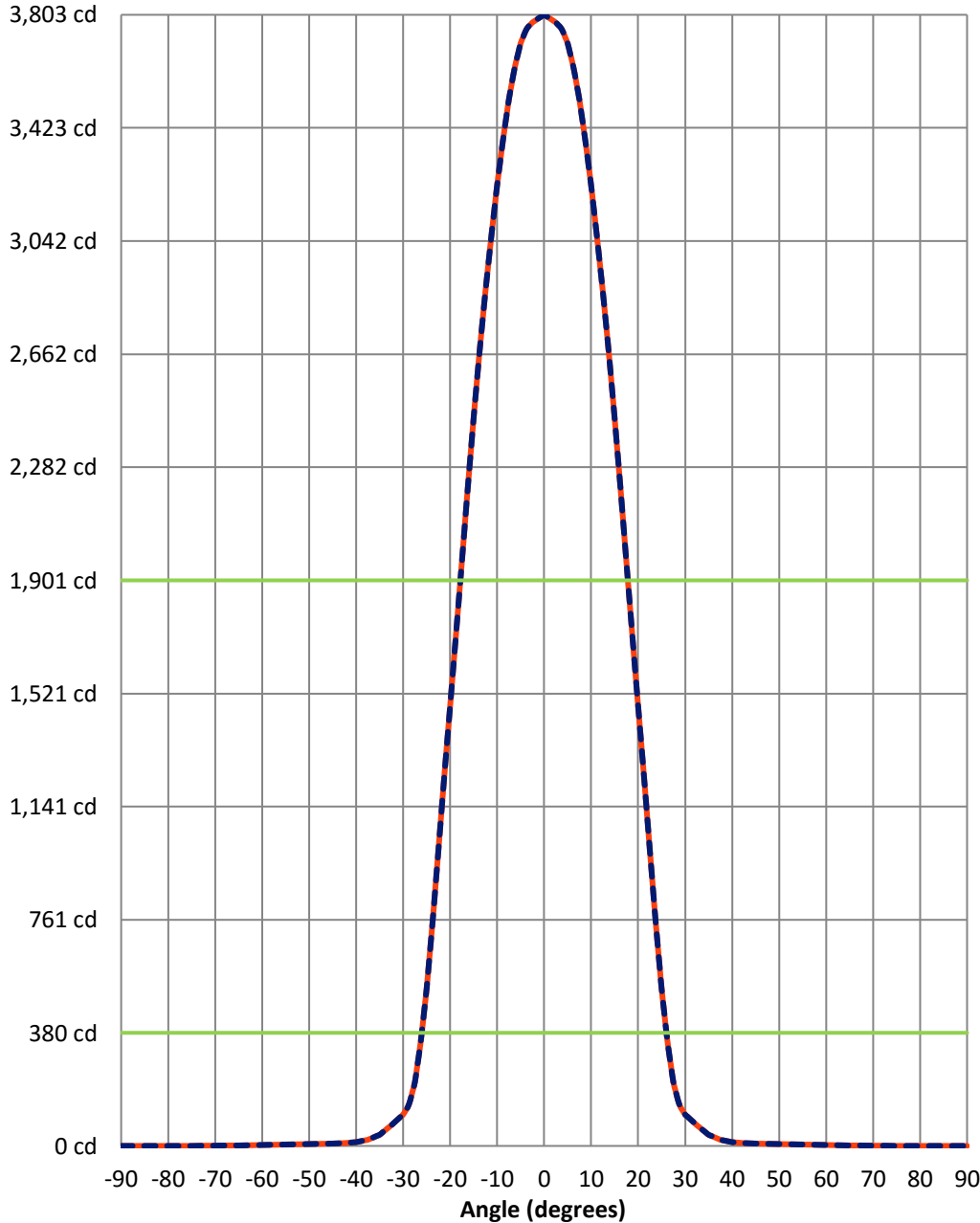
REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 35.6°
 V Angle: 35.6°
 Lumens: 869.2
 Efficiency: 66.7%

Field:
 H Angle: 52.1°
 V Angle: 52.1°
 Lumens: 1223.4
 Efficiency: 93.9%

Spill:
 Lumens: 80
 Efficiency: 6.1%

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



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	2
12.5°	0	0	0	1	1	1	1	1	2	2	2
11.25°	0	0	0	1	1	1	1	1	2	2	2
10°	0	0	0	1	1	1	1	1	2	2	2
8.75°	0	0	0	1	1	1	1	2	2	2	2
7.5°	0	0	0	1	1	1	1	2	2	2	2
6.25°	0	0	0	1	1	1	1	2	2	2	2
5°	0	0	0	1	1	1	1	2	2	2	2
3.75°	0	0	0	1	1	1	1	2	2	2	2
2.5°	0	0	0	1	1	1	1	2	2	2	2
1.25°	0	0	0	1	1	1	1	2	2	2	2
0°	0	0	0	1	1	1	1	2	2	2	2
-1.25°	0	0	0	1	1	1	1	2	2	2	2
-2.5°	0	0	0	1	1	1	1	2	2	2	2
-3.75°	0	0	0	1	1	1	1	2	2	2	2
-5°	0	0	0	1	1	1	1	2	2	2	2
-6.25°	0	0	0	1	1	1	1	2	2	2	2
-7.5°	0	0	0	1	1	1	1	2	2	2	2
-8.75°	0	0	0	1	1	1	1	2	2	2	2
-10°	0	0	0	1	1	1	1	1	2	2	2
-11.25°	0	0	0	1	1	1	1	1	2	2	2
-12.5°	0	0	0	1	1	1	1	1	2	2	2
-13.75°	0	0	0	1	1	1	1	1	2	2	2
-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	2
46.25°	1	1	1	1	1	2	2	2	2	2	2
45°	1	1	1	1	2	2	2	2	2	2	2
43.75°	1	1	1	1	2	2	2	2	2	2	2
42.5°	1	1	1	2	2	2	2	2	2	2	3
41.25°	1	1	1	2	2	2	2	2	2	3	3
40°	1	1	2	2	2	2	2	2	2	3	3
38.75°	1	1	2	2	2	2	2	2	3	3	3
37.5°	1	2	2	2	2	2	2	3	3	3	3
36.25°	1	2	2	2	2	2	2	3	3	3	4
35°	2	2	2	2	2	2	3	3	3	3	4



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	2	2	2	3	3	3	4	4
32.5°	2	2	2	2	2	3	3	3	3	4	4
31.25°	2	2	2	2	2	3	3	3	4	4	4
30°	2	2	2	2	2	3	3	3	4	4	4
28.75°	2	2	2	2	3	3	3	4	4	4	5
27.5°	2	2	2	2	3	3	3	4	4	4	5
26.25°	2	2	2	2	3	3	4	4	4	5	5
25°	2	2	2	3	3	3	4	4	4	5	5
23.75°	2	2	2	3	3	3	4	4	4	5	5
22.5°	2	2	2	3	3	3	4	4	5	5	5
21.25°	2	2	2	3	3	4	4	4	5	5	5
20°	2	2	3	3	3	4	4	4	5	5	5
18.75°	2	2	3	3	3	4	4	4	5	5	6
17.5°	2	2	3	3	3	4	4	5	5	5	6
16.25°	2	2	3	3	4	4	4	5	5	5	6
15°	2	2	3	3	4	4	4	5	5	6	6
13.75°	2	3	3	3	4	4	4	5	5	6	6
12.5°	2	3	3	3	4	4	4	5	5	6	6
11.25°	2	3	3	3	4	4	5	5	5	6	6
10°	2	3	3	3	4	4	5	5	5	6	6
8.75°	2	3	3	3	4	4	5	5	5	6	6
7.5°	2	3	3	4	4	4	5	5	6	6	6
6.25°	2	3	3	4	4	4	5	5	6	6	6
5°	2	3	3	4	4	4	5	5	6	6	6
3.75°	2	3	3	4	4	4	5	5	6	6	6
2.5°	2	3	3	4	4	4	5	5	6	6	6
1.25°	2	3	3	4	4	4	5	5	6	6	6
0°	2	3	3	4	4	4	5	5	6	6	6
-1.25°	2	3	3	4	4	4	5	5	6	6	6
-2.5°	2	3	3	4	4	4	5	5	6	6	6
-3.75°	2	3	3	4	4	4	5	5	6	6	6
-5°	2	3	3	4	4	4	5	5	6	6	6
-6.25°	2	3	3	4	4	4	5	5	6	6	6
-7.5°	2	3	3	4	4	4	5	5	5	6	6
-8.75°	2	3	3	3	4	4	5	5	5	6	6
-10°	2	3	3	3	4	4	5	5	5	6	6
-11.25°	2	3	3	3	4	4	5	5	5	6	6
-12.5°	2	3	3	3	4	4	4	5	5	6	6
-13.75°	2	3	3	3	4	4	4	5	5	6	6
-15°	2	2	3	3	4	4	4	5	5	6	6
-16.25°	2	2	3	3	4	4	4	5	5	5	6
-17.5°	2	2	3	3	3	4	4	5	5	5	6
-18.75°	2	2	3	3	3	4	4	4	5	5	6
-20°	2	2	3	3	3	4	4	4	5	5	5
-21.25°	2	2	2	3	3	4	4	4	5	5	5



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	2	2	3	3	3	4	4	5	5	5
-23.75°	2	2	2	3	3	3	4	4	4	5	5
-25°	2	2	2	3	3	3	4	4	4	5	5
-26.25°	2	2	2	2	3	3	4	4	4	5	5
-27.5°	2	2	2	2	3	3	3	4	4	4	5
-28.75°	2	2	2	2	3	3	3	4	4	4	5
-30°	2	2	2	2	2	3	3	3	4	4	4
-31.25°	2	2	2	2	2	3	3	3	4	4	4
-32.5°	2	2	2	2	2	3	3	3	3	4	4
-33.75°	2	2	2	2	2	2	3	3	3	4	4
-35°	2	2	2	2	2	2	3	3	3	3	4
-36.25°	1	2	2	2	2	2	2	3	3	3	4
-37.5°	1	2	2	2	2	2	2	3	3	3	3
-38.75°	1	1	2	2	2	2	2	2	3	3	3
-40°	1	1	2	2	2	2	2	2	2	3	3
-41.25°	1	1	1	2	2	2	2	2	2	3	3
-42.5°	1	1	1	2	2	2	2	2	2	2	3
-43.75°	1	1	1	1	2	2	2	2	2	2	2
-45°	1	1	1	1	2	2	2	2	2	2	2
-46.25°	1	1	1	1	1	2	2	2	2	2	2
-47.5°	1	1	1	1	1	1	2	2	2	2	2
-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	2
56.25°	1	1	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	3	3
52.5°	2	2	2	2	2	2	2	2	3	3	3
51.25°	2	2	2	2	2	2	3	3	3	3	3
50°	2	2	2	2	2	3	3	3	3	3	4
48.75°	2	2	2	2	3	3	3	3	4	4	4
47.5°	2	2	3	3	3	3	3	4	4	4	4
46.25°	2	3	3	3	3	3	4	4	4	4	4
45°	2	3	3	3	3	4	4	4	4	5	5
43.75°	3	3	3	3	4	4	4	4	5	5	5
42.5°	3	3	3	4	4	4	4	5	5	5	5
41.25°	3	3	4	4	4	4	5	5	5	5	6
40°	3	4	4	4	4	5	5	5	5	6	6
38.75°	4	4	4	4	5	5	5	5	6	6	6
37.5°	4	4	4	5	5	5	5	6	6	6	6
36.25°	4	4	4	5	5	5	6	6	6	6	7
35°	4	4	5	5	5	5	6	6	6	7	7



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	5	6	6	7	7	7	8	8	8	9	10
-25°	5	6	6	6	7	7	7	8	8	9	9
-26.25°	5	6	6	6	7	7	7	7	8	8	9
-27.5°	5	5	6	6	6	7	7	7	8	8	8
-28.75°	5	5	6	6	6	6	7	7	7	8	8
-30°	5	5	5	6	6	6	7	7	7	7	8
-31.25°	5	5	5	6	6	6	6	7	7	7	8
-32.5°	4	5	5	5	6	6	6	6	7	7	7
-33.75°	4	5	5	5	5	6	6	6	7	7	7
-35°	4	4	5	5	5	5	6	6	6	7	7
-36.25°	4	4	4	5	5	5	6	6	6	6	7
-37.5°	4	4	4	5	5	5	5	6	6	6	6
-38.75°	4	4	4	4	5	5	5	5	6	6	6
-40°	3	4	4	4	4	5	5	5	5	6	6
-41.25°	3	3	4	4	4	4	5	5	5	5	6
-42.5°	3	3	3	4	4	4	4	5	5	5	5
-43.75°	3	3	3	3	4	4	4	4	5	5	5
-45°	2	3	3	3	3	4	4	4	4	5	5
-46.25°	2	3	3	3	3	3	4	4	4	4	4
-47.5°	2	2	3	3	3	3	3	4	4	4	4
-48.75°	2	2	2	2	3	3	3	3	4	4	4
-50°	2	2	2	2	2	3	3	3	3	3	4
-51.25°	2	2	2	2	2	2	3	3	3	3	3
-52.5°	2	2	2	2	2	2	2	2	3	3	3
-53.75°	2	2	2	2	2	2	2	2	2	3	3
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	1	1	2	2	2	2	2	2	2	2	2
-57.5°	1	1	1	2	2	2	2	2	2	2	2
-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	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	3	3	3
57.5°	2	2	2	2	2	3	3	3	3	3	3
56.25°	2	2	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	4	4	4	4
53.75°	3	3	3	3	3	4	4	4	4	4	4
52.5°	3	3	3	4	4	4	4	4	4	4	5
51.25°	3	4	4	4	4	4	4	5	5	5	5
50°	4	4	4	4	4	5	5	5	5	5	5
48.75°	4	4	4	5	5	5	5	5	5	5	6
47.5°	4	5	5	5	5	5	5	6	6	6	6
46.25°	5	5	5	5	5	6	6	6	6	6	6
45°	5	5	5	6	6	6	6	6	6	7	7
43.75°	5	5	6	6	6	6	6	7	7	7	7
42.5°	5	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	11	12



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	11	11	12	13
32.5°	8	8	8	9	9	10	11	12	13	14	17
31.25°	8	8	9	9	10	11	12	13	15	18	20
30°	8	9	9	10	11	12	13	16	18	21	25
28.75°	9	9	10	11	12	14	16	19	22	27	32
27.5°	9	10	11	12	13	16	19	22	28	33	38
26.25°	9	11	12	13	16	19	22	28	33	40	50
25°	10	11	13	15	18	22	28	33	40	51	61
23.75°	11	12	14	18	21	27	33	40	51	62	73
22.5°	12	13	17	20	25	32	38	50	61	73	86
21.25°	13	15	19	23	30	36	47	60	72	85	98
20°	14	17	21	27	34	44	56	69	83	96	111
18.75°	16	19	24	31	39	52	65	79	93	107	128
17.5°	17	21	28	35	46	60	74	88	103	122	161
16.25°	19	24	31	40	54	67	82	98	115	148	214
15°	20	27	35	46	60	75	91	106	131	183	279
13.75°	22	30	38	52	67	82	98	118	157	237	357
12.5°	25	33	43	58	73	89	106	132	191	298	442
11.25°	27	35	48	63	79	96	115	153	235	362	525
10°	29	37	52	68	84	101	124	174	281	430	612
8.75°	31	41	56	72	89	107	137	208	331	495	691
7.5°	33	44	60	76	94	113	152	238	375	556	767
6.25°	34	47	63	80	97	119	164	266	421	613	834
5°	36	49	65	83	100	123	178	295	459	660	889
3.75°	36	51	67	85	103	128	194	319	489	697	934
2.5°	37	53	69	86	104	133	205	335	511	725	967
1.25°	37	53	69	87	105	136	212	345	524	743	987
0°	38	54	70	88	106	138	214	348	528	749	994
-1.25°	37	53	69	87	105	136	212	345	524	743	987
-2.5°	37	53	69	86	104	133	205	335	511	725	967
-3.75°	36	51	67	85	103	128	194	319	489	697	934
-5°	36	49	65	83	100	123	178	295	459	660	889
-6.25°	34	47	63	80	97	119	164	266	421	613	834
-7.5°	33	44	60	76	94	113	152	238	375	556	767
-8.75°	31	41	56	72	89	107	137	208	331	495	691
-10°	29	37	52	68	84	101	124	174	281	430	612
-11.25°	27	35	48	63	79	96	115	153	235	362	525
-12.5°	25	33	43	58	73	89	106	132	191	298	442
-13.75°	22	30	38	52	67	82	98	118	157	237	357
-15°	20	27	35	46	60	75	91	106	131	183	279
-16.25°	19	24	31	40	54	67	82	98	115	148	214
-17.5°	17	21	28	35	46	60	74	88	103	122	161
-18.75°	16	19	24	31	39	52	65	79	93	107	128
-20°	14	17	21	27	34	44	56	69	83	96	111
-21.25°	13	15	19	23	30	36	47	60	72	85	98



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	12	13	17	20	25	32	38	50	61	73	86
-23.75°	11	12	14	18	21	27	33	40	51	62	73
-25°	10	11	13	15	18	22	28	33	40	51	61
-26.25°	9	11	12	13	16	19	22	28	33	40	50
-27.5°	9	10	11	12	13	16	19	22	28	33	38
-28.75°	9	9	10	11	12	14	16	19	22	27	32
-30°	8	9	9	10	11	12	13	16	18	21	25
-31.25°	8	8	9	9	10	11	12	13	15	18	20
-32.5°	8	8	8	9	9	10	11	12	13	14	17
-33.75°	7	8	8	8	9	9	10	11	11	12	13
-35°	7	7	8	8	8	9	9	9	10	11	12
-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°	5	6	6	6	6	6	7	7	7	7	7
-43.75°	5	5	6	6	6	6	6	7	7	7	7
-45°	5	5	5	6	6	6	6	6	6	7	7
-46.25°	5	5	5	5	5	6	6	6	6	6	6
-47.5°	4	5	5	5	5	5	5	6	6	6	6
-48.75°	4	4	4	5	5	5	5	5	5	5	6
-50°	4	4	4	4	4	5	5	5	5	5	5
-51.25°	3	4	4	4	4	4	4	5	5	5	5
-52.5°	3	3	3	4	4	4	4	4	4	4	5
-53.75°	3	3	3	3	3	4	4	4	4	4	4
-55°	3	3	3	3	3	3	3	4	4	4	4
-56.25°	2	2	3	3	3	3	3	3	3	3	3
-57.5°	2	2	2	2	2	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	3	3	3
-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°	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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	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	3	3	3	3	3
60°	2	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	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	5	5	5
53.75°	4	4	4	5	5	5	5	5	5	5	5
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	6	6	6	6	6	6
50°	5	5	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	11	11	11	12
38.75°	9	9	10	10	11	11	12	12	13	13	14
37.5°	10	10	11	12	12	13	14	15	16	17	18
36.25°	11	12	13	14	15	17	18	19	20	21	23
35°	13	14	16	17	19	20	22	25	27	29	31



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	15	17	19	21	24	27	30	33	35	37	41
32.5°	19	21	24	28	31	35	38	43	48	52	56
31.25°	23	27	31	35	40	46	52	58	63	68	72
30°	30	34	39	46	54	60	67	73	79	84	89
28.75°	36	44	52	60	67	75	82	89	96	101	107
27.5°	47	56	65	74	82	91	98	106	115	124	137
26.25°	60	69	79	88	98	106	118	132	153	174	208
25°	72	83	93	103	115	131	157	191	235	281	331
23.75°	85	96	107	122	148	183	237	298	362	430	495
22.5°	98	111	128	161	214	279	357	442	525	612	691
21.25°	112	133	168	234	316	407	508	614	716	819	912
20°	133	171	245	338	445	561	682	807	926	1040	1142
18.75°	168	245	345	464	594	732	873	1012	1142	1260	1362
17.5°	234	338	464	606	757	914	1070	1215	1347	1464	1574
16.25°	316	445	594	757	928	1099	1259	1404	1540	1668	1789
15°	407	561	732	914	1099	1274	1434	1587	1735	1875	1999
13.75°	508	682	873	1070	1259	1434	1603	1769	1926	2070	2212
12.5°	614	807	1012	1215	1404	1587	1769	1944	2109	2271	2407
11.25°	716	926	1142	1347	1540	1735	1926	2109	2289	2446	2589
10°	819	1040	1260	1464	1668	1875	2070	2271	2446	2609	2752
8.75°	912	1142	1362	1574	1789	1999	2212	2407	2589	2752	2894
7.5°	998	1232	1452	1671	1896	2114	2332	2530	2713	2875	3019
6.25°	1072	1308	1531	1759	1987	2218	2433	2636	2818	2980	3129
5°	1133	1369	1597	1833	2063	2301	2517	2720	2902	3068	3220
3.75°	1181	1416	1649	1891	2127	2364	2584	2788	2969	3138	3290
2.5°	1215	1451	1688	1931	2174	2410	2633	2834	3017	3188	3342
1.25°	1236	1472	1712	1956	2203	2438	2661	2862	3046	3219	3373
0°	1243	1479	1720	1964	2212	2448	2670	2871	3056	3230	3383
-1.25°	1236	1472	1712	1956	2203	2438	2661	2862	3046	3219	3373
-2.5°	1215	1451	1688	1931	2174	2410	2633	2834	3017	3188	3342
-3.75°	1181	1416	1649	1891	2127	2364	2584	2788	2969	3138	3290
-5°	1133	1369	1597	1833	2063	2301	2517	2720	2902	3068	3220
-6.25°	1072	1308	1531	1759	1987	2218	2433	2636	2818	2980	3129
-7.5°	998	1232	1452	1671	1896	2114	2332	2530	2713	2875	3019
-8.75°	912	1142	1362	1574	1789	1999	2212	2407	2589	2752	2894
-10°	819	1040	1260	1464	1668	1875	2070	2271	2446	2609	2752
-11.25°	716	926	1142	1347	1540	1735	1926	2109	2289	2446	2589
-12.5°	614	807	1012	1215	1404	1587	1769	1944	2109	2271	2407
-13.75°	508	682	873	1070	1259	1434	1603	1769	1926	2070	2212
-15°	407	561	732	914	1099	1274	1434	1587	1735	1875	1999
-16.25°	316	445	594	757	928	1099	1259	1404	1540	1668	1789
-17.5°	234	338	464	606	757	914	1070	1215	1347	1464	1574
-18.75°	168	245	345	464	594	732	873	1012	1142	1260	1362
-20°	133	171	245	338	445	561	682	807	926	1040	1142
-21.25°	112	133	168	234	316	407	508	614	716	819	912



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	98	111	128	161	214	279	357	442	525	612	691
-23.75°	85	96	107	122	148	183	237	298	362	430	495
-25°	72	83	93	103	115	131	157	191	235	281	331
-26.25°	60	69	79	88	98	106	118	132	153	174	208
-27.5°	47	56	65	74	82	91	98	106	115	124	137
-28.75°	36	44	52	60	67	75	82	89	96	101	107
-30°	30	34	39	46	54	60	67	73	79	84	89
-31.25°	23	27	31	35	40	46	52	58	63	68	72
-32.5°	19	21	24	28	31	35	38	43	48	52	56
-33.75°	15	17	19	21	24	27	30	33	35	37	41
-35°	13	14	16	17	19	20	22	25	27	29	31
-36.25°	11	12	13	14	15	17	18	19	20	21	23
-37.5°	10	10	11	12	12	13	14	15	16	17	18
-38.75°	9	9	10	10	11	11	12	12	13	13	14
-40°	8	9	9	9	10	10	10	11	11	11	12
-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°	5	5	6	6	6	6	6	6	6	6	6
-51.25°	5	5	5	5	5	6	6	6	6	6	6
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	4	4	4	5	5	5	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	5	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	3	3	3	3	4	4	4	4	4	4	4
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	2	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	5	5	5	5	5	5	5
53.75°	5	5	5	5	5	5	5	5	5	5	5
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°	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	11	11	11	11	11	11	11	11	11	11
40°	12	12	12	13	13	13	13	13	13	13	12
38.75°	15	15	16	16	17	17	17	17	17	16	16
37.5°	19	19	20	20	21	21	21	21	21	20	20
36.25°	25	26	27	28	29	29	29	29	29	28	27
35°	33	34	36	36	37	37	38	37	37	36	36



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	44	47	49	51	53	53	54	53	53	51	49
32.5°	60	63	65	67	69	69	70	69	69	67	65
31.25°	76	80	83	85	86	87	88	87	86	85	83
30°	94	97	100	103	104	105	106	105	104	103	100
28.75°	113	119	123	128	133	136	138	136	133	128	123
27.5°	152	164	178	194	205	212	214	212	205	194	178
26.25°	238	266	295	319	335	345	348	345	335	319	295
25°	375	421	459	489	511	524	528	524	511	489	459
23.75°	556	613	660	697	725	743	749	743	725	697	660
22.5°	767	834	889	934	967	987	994	987	967	934	889
21.25°	998	1072	1133	1181	1215	1236	1243	1236	1215	1181	1133
20°	1232	1308	1369	1416	1451	1472	1479	1472	1451	1416	1369
18.75°	1452	1531	1597	1649	1688	1712	1720	1712	1688	1649	1597
17.5°	1671	1759	1833	1891	1931	1956	1964	1956	1931	1891	1833
16.25°	1896	1987	2063	2127	2174	2203	2212	2203	2174	2127	2063
15°	2114	2218	2301	2364	2410	2438	2448	2438	2410	2364	2301
13.75°	2332	2433	2517	2584	2633	2661	2670	2661	2633	2584	2517
12.5°	2530	2636	2720	2788	2834	2862	2871	2862	2834	2788	2720
11.25°	2713	2818	2902	2969	3017	3046	3056	3046	3017	2969	2902
10°	2875	2980	3068	3138	3188	3219	3230	3219	3188	3138	3068
8.75°	3019	3129	3220	3290	3342	3373	3383	3373	3342	3290	3220
7.5°	3149	3261	3354	3425	3478	3508	3518	3508	3478	3425	3354
6.25°	3261	3374	3469	3540	3590	3617	3627	3617	3590	3540	3469
5°	3354	3469	3562	3627	3672	3698	3707	3698	3672	3627	3562
3.75°	3425	3540	3627	3689	3729	3752	3756	3752	3729	3689	3627
2.5°	3478	3590	3672	3729	3761	3774	3777	3774	3761	3729	3672
1.25°	3508	3617	3698	3752	3774	3785	3791	3785	3774	3752	3698
0°	3518	3627	3707	3756	3777	3791	3803	3791	3777	3756	3707
-1.25°	3508	3617	3698	3752	3774	3785	3791	3785	3774	3752	3698
-2.5°	3478	3590	3672	3729	3761	3774	3777	3774	3761	3729	3672
-3.75°	3425	3540	3627	3689	3729	3752	3756	3752	3729	3689	3627
-5°	3354	3469	3562	3627	3672	3698	3707	3698	3672	3627	3562
-6.25°	3261	3374	3469	3540	3590	3617	3627	3617	3590	3540	3469
-7.5°	3149	3261	3354	3425	3478	3508	3518	3508	3478	3425	3354
-8.75°	3019	3129	3220	3290	3342	3373	3383	3373	3342	3290	3220
-10°	2875	2980	3068	3138	3188	3219	3230	3219	3188	3138	3068
-11.25°	2713	2818	2902	2969	3017	3046	3056	3046	3017	2969	2902
-12.5°	2530	2636	2720	2788	2834	2862	2871	2862	2834	2788	2720
-13.75°	2332	2433	2517	2584	2633	2661	2670	2661	2633	2584	2517
-15°	2114	2218	2301	2364	2410	2438	2448	2438	2410	2364	2301
-16.25°	1896	1987	2063	2127	2174	2203	2212	2203	2174	2127	2063
-17.5°	1671	1759	1833	1891	1931	1956	1964	1956	1931	1891	1833
-18.75°	1452	1531	1597	1649	1688	1712	1720	1712	1688	1649	1597
-20°	1232	1308	1369	1416	1451	1472	1479	1472	1451	1416	1369
-21.25°	998	1072	1133	1181	1215	1236	1243	1236	1215	1181	1133



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	767	834	889	934	967	987	994	987	967	934	889
-23.75°	556	613	660	697	725	743	749	743	725	697	660
-25°	375	421	459	489	511	524	528	524	511	489	459
-26.25°	238	266	295	319	335	345	348	345	335	319	295
-27.5°	152	164	178	194	205	212	214	212	205	194	178
-28.75°	113	119	123	128	133	136	138	136	133	128	123
-30°	94	97	100	103	104	105	106	105	104	103	100
-31.25°	76	80	83	85	86	87	88	87	86	85	83
-32.5°	60	63	65	67	69	69	70	69	69	67	65
-33.75°	44	47	49	51	53	53	54	53	53	51	49
-35°	33	34	36	36	37	37	38	37	37	36	36
-36.25°	25	26	27	28	29	29	29	29	29	28	27
-37.5°	19	19	20	20	21	21	21	21	21	20	20
-38.75°	15	15	16	16	17	17	17	17	17	16	16
-40°	12	12	12	13	13	13	13	13	13	13	12
-41.25°	10	11	11	11	11	11	11	11	11	11	11
-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°	5	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	5	5	5	5	5	5
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	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°	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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	3	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	4	4	3	3	3	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	3	3
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	5	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	5	5	5	4
52.5°	6	5	5	5	5	5	5	5	5	5	5
51.25°	6	6	6	6	6	6	6	6	5	5	5
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°	11	10	10	10	10	9	9	9	9	9	8
40°	12	12	12	11	11	11	10	10	10	9	9
38.75°	15	15	14	13	13	12	12	11	11	10	10
37.5°	19	19	18	17	16	15	14	13	12	12	11
36.25°	26	25	23	21	20	19	18	17	15	14	13
35°	34	33	31	29	27	25	22	20	19	17	16

REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	47	44	41	37	35	33	30	27	24	21	19
32.5°	63	60	56	52	48	43	38	35	31	28	24
31.25°	80	76	72	68	63	58	52	46	40	35	31
30°	97	94	89	84	79	73	67	60	54	46	39
28.75°	119	113	107	101	96	89	82	75	67	60	52
27.5°	164	152	137	124	115	106	98	91	82	74	65
26.25°	266	238	208	174	153	132	118	106	98	88	79
25°	421	375	331	281	235	191	157	131	115	103	93
23.75°	613	556	495	430	362	298	237	183	148	122	107
22.5°	834	767	691	612	525	442	357	279	214	161	128
21.25°	1072	998	912	819	716	614	508	407	316	234	168
20°	1308	1232	1142	1040	926	807	682	561	445	338	245
18.75°	1531	1452	1362	1260	1142	1012	873	732	594	464	345
17.5°	1759	1671	1574	1464	1347	1215	1070	914	757	606	464
16.25°	1987	1896	1789	1668	1540	1404	1259	1099	928	757	594
15°	2218	2114	1999	1875	1735	1587	1434	1274	1099	914	732
13.75°	2433	2332	2212	2070	1926	1769	1603	1434	1259	1070	873
12.5°	2636	2530	2407	2271	2109	1944	1769	1587	1404	1215	1012
11.25°	2818	2713	2589	2446	2289	2109	1926	1735	1540	1347	1142
10°	2980	2875	2752	2609	2446	2271	2070	1875	1668	1464	1260
8.75°	3129	3019	2894	2752	2589	2407	2212	1999	1789	1574	1362
7.5°	3261	3149	3019	2875	2713	2530	2332	2114	1896	1671	1452
6.25°	3374	3261	3129	2980	2818	2636	2433	2218	1987	1759	1531
5°	3469	3354	3220	3068	2902	2720	2517	2301	2063	1833	1597
3.75°	3540	3425	3290	3138	2969	2788	2584	2364	2127	1891	1649
2.5°	3590	3478	3342	3188	3017	2834	2633	2410	2174	1931	1688
1.25°	3617	3508	3373	3219	3046	2862	2661	2438	2203	1956	1712
0°	3627	3518	3383	3230	3056	2871	2670	2448	2212	1964	1720
-1.25°	3617	3508	3373	3219	3046	2862	2661	2438	2203	1956	1712
-2.5°	3590	3478	3342	3188	3017	2834	2633	2410	2174	1931	1688
-3.75°	3540	3425	3290	3138	2969	2788	2584	2364	2127	1891	1649
-5°	3469	3354	3220	3068	2902	2720	2517	2301	2063	1833	1597
-6.25°	3374	3261	3129	2980	2818	2636	2433	2218	1987	1759	1531
-7.5°	3261	3149	3019	2875	2713	2530	2332	2114	1896	1671	1452
-8.75°	3129	3019	2894	2752	2589	2407	2212	1999	1789	1574	1362
-10°	2980	2875	2752	2609	2446	2271	2070	1875	1668	1464	1260
-11.25°	2818	2713	2589	2446	2289	2109	1926	1735	1540	1347	1142
-12.5°	2636	2530	2407	2271	2109	1944	1769	1587	1404	1215	1012
-13.75°	2433	2332	2212	2070	1926	1769	1603	1434	1259	1070	873
-15°	2218	2114	1999	1875	1735	1587	1434	1274	1099	914	732
-16.25°	1987	1896	1789	1668	1540	1404	1259	1099	928	757	594
-17.5°	1759	1671	1574	1464	1347	1215	1070	914	757	606	464
-18.75°	1531	1452	1362	1260	1142	1012	873	732	594	464	345
-20°	1308	1232	1142	1040	926	807	682	561	445	338	245
-21.25°	1072	998	912	819	716	614	508	407	316	234	168



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	834	767	691	612	525	442	357	279	214	161	128
-23.75°	613	556	495	430	362	298	237	183	148	122	107
-25°	421	375	331	281	235	191	157	131	115	103	93
-26.25°	266	238	208	174	153	132	118	106	98	88	79
-27.5°	164	152	137	124	115	106	98	91	82	74	65
-28.75°	119	113	107	101	96	89	82	75	67	60	52
-30°	97	94	89	84	79	73	67	60	54	46	39
-31.25°	80	76	72	68	63	58	52	46	40	35	31
-32.5°	63	60	56	52	48	43	38	35	31	28	24
-33.75°	47	44	41	37	35	33	30	27	24	21	19
-35°	34	33	31	29	27	25	22	20	19	17	16
-36.25°	26	25	23	21	20	19	18	17	15	14	13
-37.5°	19	19	18	17	16	15	14	13	12	12	11
-38.75°	15	15	14	13	13	12	12	11	11	10	10
-40°	12	12	12	11	11	11	10	10	10	9	9
-41.25°	11	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	5	5	5
-52.5°	6	5	5	5	5	5	5	5	5	5	5
-53.75°	5	5	5	5	5	5	5	5	5	5	4
-55°	5	5	5	5	5	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	3	3
-58.75°	4	4	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	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	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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	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	2	2	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	2	2	2
56.25°	4	4	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	3	3	3	3	3
53.75°	4	4	4	4	4	4	4	4	3	3	3
52.5°	5	5	5	4	4	4	4	4	4	4	3
51.25°	5	5	5	5	5	5	4	4	4	4	4
50°	5	5	5	5	5	5	5	5	4	4	4
48.75°	6	6	6	5	5	5	5	5	5	5	4
47.5°	6	6	6	6	6	6	5	5	5	5	5
46.25°	7	6	6	6	6	6	6	6	5	5	5
45°	7	7	7	7	6	6	6	6	6	6	5
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°	12	11	10	10	9	9	8	8	8	8	7
35°	14	13	12	11	10	9	9	9	8	8	8



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	17	15	13	12	11	11	10	9	9	8	8
32.5°	21	19	17	14	13	12	11	10	9	9	8
31.25°	27	23	20	18	15	13	12	11	10	9	9
30°	34	30	25	21	18	16	13	12	11	10	9
28.75°	44	36	32	27	22	19	16	14	12	11	10
27.5°	56	47	38	33	28	22	19	16	13	12	11
26.25°	69	60	50	40	33	28	22	19	16	13	12
25°	83	72	61	51	40	33	28	22	18	15	13
23.75°	96	85	73	62	51	40	33	27	21	18	14
22.5°	111	98	86	73	61	50	38	32	25	20	17
21.25°	133	112	98	85	72	60	47	36	30	23	19
20°	171	133	111	96	83	69	56	44	34	27	21
18.75°	245	168	128	107	93	79	65	52	39	31	24
17.5°	338	234	161	122	103	88	74	60	46	35	28
16.25°	445	316	214	148	115	98	82	67	54	40	31
15°	561	407	279	183	131	106	91	75	60	46	35
13.75°	682	508	357	237	157	118	98	82	67	52	38
12.5°	807	614	442	298	191	132	106	89	73	58	43
11.25°	926	716	525	362	235	153	115	96	79	63	48
10°	1040	819	612	430	281	174	124	101	84	68	52
8.75°	1142	912	691	495	331	208	137	107	89	72	56
7.5°	1232	998	767	556	375	238	152	113	94	76	60
6.25°	1308	1072	834	613	421	266	164	119	97	80	63
5°	1369	1133	889	660	459	295	178	123	100	83	65
3.75°	1416	1181	934	697	489	319	194	128	103	85	67
2.5°	1451	1215	967	725	511	335	205	133	104	86	69
1.25°	1472	1236	987	743	524	345	212	136	105	87	69
0°	1479	1243	994	749	528	348	214	138	106	88	70
-1.25°	1472	1236	987	743	524	345	212	136	105	87	69
-2.5°	1451	1215	967	725	511	335	205	133	104	86	69
-3.75°	1416	1181	934	697	489	319	194	128	103	85	67
-5°	1369	1133	889	660	459	295	178	123	100	83	65
-6.25°	1308	1072	834	613	421	266	164	119	97	80	63
-7.5°	1232	998	767	556	375	238	152	113	94	76	60
-8.75°	1142	912	691	495	331	208	137	107	89	72	56
-10°	1040	819	612	430	281	174	124	101	84	68	52
-11.25°	926	716	525	362	235	153	115	96	79	63	48
-12.5°	807	614	442	298	191	132	106	89	73	58	43
-13.75°	682	508	357	237	157	118	98	82	67	52	38
-15°	561	407	279	183	131	106	91	75	60	46	35
-16.25°	445	316	214	148	115	98	82	67	54	40	31
-17.5°	338	234	161	122	103	88	74	60	46	35	28
-18.75°	245	168	128	107	93	79	65	52	39	31	24
-20°	171	133	111	96	83	69	56	44	34	27	21
-21.25°	133	112	98	85	72	60	47	36	30	23	19



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	111	98	86	73	61	50	38	32	25	20	17
-23.75°	96	85	73	62	51	40	33	27	21	18	14
-25°	83	72	61	51	40	33	28	22	18	15	13
-26.25°	69	60	50	40	33	28	22	19	16	13	12
-27.5°	56	47	38	33	28	22	19	16	13	12	11
-28.75°	44	36	32	27	22	19	16	14	12	11	10
-30°	34	30	25	21	18	16	13	12	11	10	9
-31.25°	27	23	20	18	15	13	12	11	10	9	9
-32.5°	21	19	17	14	13	12	11	10	9	9	8
-33.75°	17	15	13	12	11	11	10	9	9	8	8
-35°	14	13	12	11	10	9	9	9	8	8	8
-36.25°	12	11	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	5
-46.25°	7	6	6	6	6	6	6	6	5	5	5
-47.5°	6	6	6	6	6	6	5	5	5	5	5
-48.75°	6	6	6	5	5	5	5	5	5	5	4
-50°	5	5	5	5	5	5	5	5	4	4	4
-51.25°	5	5	5	5	5	5	4	4	4	4	4
-52.5°	5	5	5	4	4	4	4	4	4	4	3
-53.75°	4	4	4	4	4	4	4	4	3	3	3
-55°	4	4	4	4	4	4	3	3	3	3	3
-56.25°	4	4	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	2	2	2
-58.75°	3	3	3	3	3	2	2	2	2	2	2
-60°	3	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	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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	2	2	2	2	2	2	2	2	1	1	1
57.5°	2	2	2	2	2	2	2	2	2	2	1
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	2	2	2	2	2	2	2	2	2
53.75°	3	3	3	3	2	2	2	2	2	2	2
52.5°	3	3	3	3	3	2	2	2	2	2	2
51.25°	4	3	3	3	3	3	3	2	2	2	2
50°	4	4	4	3	3	3	3	3	2	2	2
48.75°	4	4	4	4	4	3	3	3	3	2	2
47.5°	5	4	4	4	4	4	3	3	3	3	3
46.25°	5	5	4	4	4	4	4	3	3	3	3
45°	5	5	5	5	4	4	4	4	3	3	3
43.75°	5	5	5	5	5	4	4	4	4	3	3
42.5°	6	5	5	5	5	5	4	4	4	4	3
41.25°	6	6	6	5	5	5	5	4	4	4	4
40°	6	6	6	6	5	5	5	5	4	4	4
38.75°	7	6	6	6	6	5	5	5	5	4	4
37.5°	7	7	6	6	6	6	5	5	5	5	4
36.25°	7	7	7	6	6	6	6	5	5	5	4
35°	7	7	7	7	6	6	6	5	5	5	5



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	5	5	5
32.5°	8	8	7	7	7	6	6	6	6	5	5
31.25°	8	8	8	7	7	7	6	6	6	6	5
30°	9	8	8	7	7	7	7	6	6	6	5
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°	11	9	9	8	8	7	7	7	7	6	6
25°	11	10	9	9	8	8	7	7	7	6	6
23.75°	12	11	10	9	8	8	8	7	7	7	6
22.5°	13	12	10	9	9	8	8	7	7	7	6
21.25°	15	13	11	10	9	8	8	7	7	7	6
20°	17	14	12	10	9	9	8	8	7	7	7
18.75°	19	16	13	11	10	9	8	8	7	7	7
17.5°	21	17	14	12	10	9	9	8	8	7	7
16.25°	24	19	15	12	11	10	9	8	8	7	7
15°	27	20	17	13	11	10	9	8	8	7	7
13.75°	30	22	18	14	12	10	9	8	8	7	7
12.5°	33	25	19	15	12	11	9	9	8	8	7
11.25°	35	27	20	16	13	11	10	9	8	8	7
10°	37	29	21	17	13	11	10	9	8	8	7
8.75°	41	31	23	18	14	12	10	9	8	8	7
7.5°	44	33	25	19	15	12	10	9	8	8	7
6.25°	47	34	26	19	15	12	11	9	9	8	7
5°	49	36	27	20	16	12	11	9	9	8	8
3.75°	51	36	28	20	16	13	11	10	9	8	8
2.5°	53	37	29	21	17	13	11	10	9	8	8
1.25°	53	37	29	21	17	13	11	10	9	8	8
0°	54	38	29	21	17	13	11	10	9	8	8
-1.25°	53	37	29	21	17	13	11	10	9	8	8
-2.5°	53	37	29	21	17	13	11	10	9	8	8
-3.75°	51	36	28	20	16	13	11	10	9	8	8
-5°	49	36	27	20	16	12	11	9	9	8	8
-6.25°	47	34	26	19	15	12	11	9	9	8	7
-7.5°	44	33	25	19	15	12	10	9	8	8	7
-8.75°	41	31	23	18	14	12	10	9	8	8	7
-10°	37	29	21	17	13	11	10	9	8	8	7
-11.25°	35	27	20	16	13	11	10	9	8	8	7
-12.5°	33	25	19	15	12	11	9	9	8	8	7
-13.75°	30	22	18	14	12	10	9	8	8	7	7
-15°	27	20	17	13	11	10	9	8	8	7	7
-16.25°	24	19	15	12	11	10	9	8	8	7	7
-17.5°	21	17	14	12	10	9	9	8	8	7	7
-18.75°	19	16	13	11	10	9	8	8	7	7	7
-20°	17	14	12	10	9	9	8	8	7	7	7
-21.25°	15	13	11	10	9	8	8	7	7	7	6



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	13	12	10	9	9	8	8	7	7	7	6
-23.75°	12	11	10	9	8	8	8	7	7	7	6
-25°	11	10	9	9	8	8	7	7	7	6	6
-26.25°	11	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	5
-31.25°	8	8	8	7	7	7	6	6	6	6	5
-32.5°	8	8	7	7	7	6	6	6	6	5	5
-33.75°	8	7	7	7	7	6	6	6	5	5	5
-35°	7	7	7	7	6	6	6	5	5	5	5
-36.25°	7	7	7	6	6	6	6	5	5	5	4
-37.5°	7	7	6	6	6	6	5	5	5	5	4
-38.75°	7	6	6	6	6	5	5	5	5	4	4
-40°	6	6	6	6	5	5	5	5	4	4	4
-41.25°	6	6	6	5	5	5	5	4	4	4	4
-42.5°	6	5	5	5	5	5	4	4	4	4	3
-43.75°	5	5	5	5	5	4	4	4	4	3	3
-45°	5	5	5	5	4	4	4	4	3	3	3
-46.25°	5	5	4	4	4	4	4	3	3	3	3
-47.5°	5	4	4	4	4	4	3	3	3	3	3
-48.75°	4	4	4	4	4	3	3	3	3	2	2
-50°	4	4	4	3	3	3	3	3	2	2	2
-51.25°	4	3	3	3	3	3	3	2	2	2	2
-52.5°	3	3	3	3	3	2	2	2	2	2	2
-53.75°	3	3	3	3	2	2	2	2	2	2	2
-55°	3	3	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	1
-58.75°	2	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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	2	2	2	2	2	2	1	1	1	1	1
48.75°	2	2	2	2	2	2	2	1	1	1	1
47.5°	2	2	2	2	2	2	2	1	1	1	1
46.25°	3	2	2	2	2	2	2	2	1	1	1
45°	3	2	2	2	2	2	2	2	2	1	1
43.75°	3	3	2	2	2	2	2	2	2	1	1
42.5°	3	3	3	2	2	2	2	2	2	2	1
41.25°	3	3	3	3	2	2	2	2	2	2	1
40°	4	3	3	3	2	2	2	2	2	2	2
38.75°	4	4	3	3	3	2	2	2	2	2	2
37.5°	4	4	3	3	3	3	2	2	2	2	2
36.25°	4	4	4	3	3	3	2	2	2	2	2
35°	4	4	4	3	3	3	3	2	2	2	2



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	4	4	4	3	3	3	2	2	2	2
32.5°	5	4	4	4	3	3	3	3	2	2	2
31.25°	5	5	4	4	4	3	3	3	2	2	2
30°	5	5	4	4	4	3	3	3	2	2	2
28.75°	5	5	5	4	4	4	3	3	3	2	2
27.5°	5	5	5	4	4	4	3	3	3	2	2
26.25°	6	5	5	5	4	4	4	3	3	2	2
25°	6	5	5	5	4	4	4	3	3	3	2
23.75°	6	5	5	5	4	4	4	3	3	3	2
22.5°	6	6	5	5	5	4	4	3	3	3	2
21.25°	6	6	5	5	5	4	4	4	3	3	2
20°	6	6	5	5	5	4	4	4	3	3	3
18.75°	6	6	6	5	5	4	4	4	3	3	3
17.5°	6	6	6	5	5	5	4	4	3	3	3
16.25°	7	6	6	5	5	5	4	4	4	3	3
15°	7	6	6	6	5	5	4	4	4	3	3
13.75°	7	6	6	6	5	5	4	4	4	3	3
12.5°	7	6	6	6	5	5	4	4	4	3	3
11.25°	7	6	6	6	5	5	5	4	4	3	3
10°	7	7	6	6	5	5	5	4	4	3	3
8.75°	7	7	6	6	5	5	5	4	4	3	3
7.5°	7	7	6	6	5	5	5	4	4	4	3
6.25°	7	7	6	6	6	5	5	4	4	4	3
5°	7	7	6	6	6	5	5	4	4	4	3
3.75°	7	7	6	6	6	5	5	4	4	4	3
2.5°	7	7	6	6	6	5	5	4	4	4	3
1.25°	7	7	6	6	6	5	5	4	4	4	3
0°	7	7	6	6	6	5	5	4	4	4	3
-1.25°	7	7	6	6	6	5	5	4	4	4	3
-2.5°	7	7	6	6	6	5	5	4	4	4	3
-3.75°	7	7	6	6	6	5	5	4	4	4	3
-5°	7	7	6	6	6	5	5	4	4	4	3
-6.25°	7	7	6	6	6	5	5	4	4	4	3
-7.5°	7	7	6	6	5	5	5	4	4	4	3
-8.75°	7	7	6	6	5	5	5	4	4	3	3
-10°	7	7	6	6	5	5	5	4	4	3	3
-11.25°	7	6	6	6	5	5	5	4	4	3	3
-12.5°	7	6	6	6	5	5	4	4	4	3	3
-13.75°	7	6	6	6	5	5	4	4	4	3	3
-15°	7	6	6	6	5	5	4	4	4	3	3
-16.25°	7	6	6	5	5	5	4	4	4	3	3
-17.5°	6	6	6	5	5	5	4	4	3	3	3
-18.75°	6	6	6	5	5	4	4	4	3	3	3
-20°	6	6	5	5	5	4	4	4	3	3	3
-21.25°	6	6	5	5	5	4	4	4	3	3	2



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	5	5	5	4	4	3	3	3	2
-23.75°	6	5	5	5	4	4	4	3	3	3	2
-25°	6	5	5	5	4	4	4	3	3	3	2
-26.25°	6	5	5	5	4	4	4	3	3	2	2
-27.5°	5	5	5	4	4	4	3	3	3	2	2
-28.75°	5	5	5	4	4	4	3	3	3	2	2
-30°	5	5	4	4	4	3	3	3	2	2	2
-31.25°	5	5	4	4	4	3	3	3	2	2	2
-32.5°	5	4	4	4	3	3	3	3	2	2	2
-33.75°	5	4	4	4	3	3	3	2	2	2	2
-35°	4	4	4	3	3	3	3	2	2	2	2
-36.25°	4	4	4	3	3	3	2	2	2	2	2
-37.5°	4	4	3	3	3	3	2	2	2	2	2
-38.75°	4	4	3	3	3	2	2	2	2	2	2
-40°	4	3	3	3	2	2	2	2	2	2	2
-41.25°	3	3	3	3	2	2	2	2	2	2	1
-42.5°	3	3	3	2	2	2	2	2	2	2	1
-43.75°	3	3	2	2	2	2	2	2	2	1	1
-45°	3	2	2	2	2	2	2	2	2	1	1
-46.25°	3	2	2	2	2	2	2	2	1	1	1
-47.5°	2	2	2	2	2	2	2	1	1	1	1
-48.75°	2	2	2	2	2	2	2	1	1	1	1
-50°	2	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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	2	2	2	2	1	1	1	1	1	0	0
25°	2	2	2	2	1	1	1	1	1	0	0
23.75°	2	2	2	2	1	1	1	1	1	0	0
22.5°	2	2	2	2	1	1	1	1	1	0	0
21.25°	2	2	2	2	1	1	1	1	1	0	0
20°	2	2	2	2	2	1	1	1	1	0	0
18.75°	2	2	2	2	2	1	1	1	1	0	0
17.5°	2	2	2	2	2	1	1	1	1	1	0
16.25°	2	2	2	2	2	1	1	1	1	1	0
15°	2	2	2	2	2	1	1	1	1	1	0
13.75°	3	2	2	2	2	1	1	1	1	1	0
12.5°	3	2	2	2	2	1	1	1	1	1	0
11.25°	3	2	2	2	2	1	1	1	1	1	0
10°	3	2	2	2	2	1	1	1	1	1	0
8.75°	3	2	2	2	2	2	1	1	1	1	0
7.5°	3	2	2	2	2	2	1	1	1	1	0
6.25°	3	2	2	2	2	2	1	1	1	1	0
5°	3	2	2	2	2	2	1	1	1	1	0
3.75°	3	2	2	2	2	2	1	1	1	1	0
2.5°	3	2	2	2	2	2	1	1	1	1	0
1.25°	3	2	2	2	2	2	1	1	1	1	0
0°	3	2	2	2	2	2	1	1	1	1	0
-1.25°	3	2	2	2	2	2	1	1	1	1	0
-2.5°	3	2	2	2	2	2	1	1	1	1	0
-3.75°	3	2	2	2	2	2	1	1	1	1	0
-5°	3	2	2	2	2	2	1	1	1	1	0
-6.25°	3	2	2	2	2	2	1	1	1	1	0
-7.5°	3	2	2	2	2	2	1	1	1	1	0
-8.75°	3	2	2	2	2	2	1	1	1	1	0
-10°	3	2	2	2	2	1	1	1	1	1	0
-11.25°	3	2	2	2	2	1	1	1	1	1	0
-12.5°	3	2	2	2	2	1	1	1	1	1	0
-13.75°	3	2	2	2	2	1	1	1	1	1	0
-15°	2	2	2	2	2	1	1	1	1	1	0
-16.25°	2	2	2	2	2	1	1	1	1	1	0
-17.5°	2	2	2	2	2	1	1	1	1	1	0
-18.75°	2	2	2	2	2	1	1	1	1	0	0
-20°	2	2	2	2	2	1	1	1	1	0	0
-21.25°	2	2	2	2	1	1	1	1	1	0	0



REPORT NUMBER: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	2	2	2	2	1	1	1	1	1	0	0
-23.75°	2	2	2	2	1	1	1	1	1	0	0
-25°	2	2	2	2	1	1	1	1	1	0	0
-26.25°	2	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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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: P220550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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)