

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: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

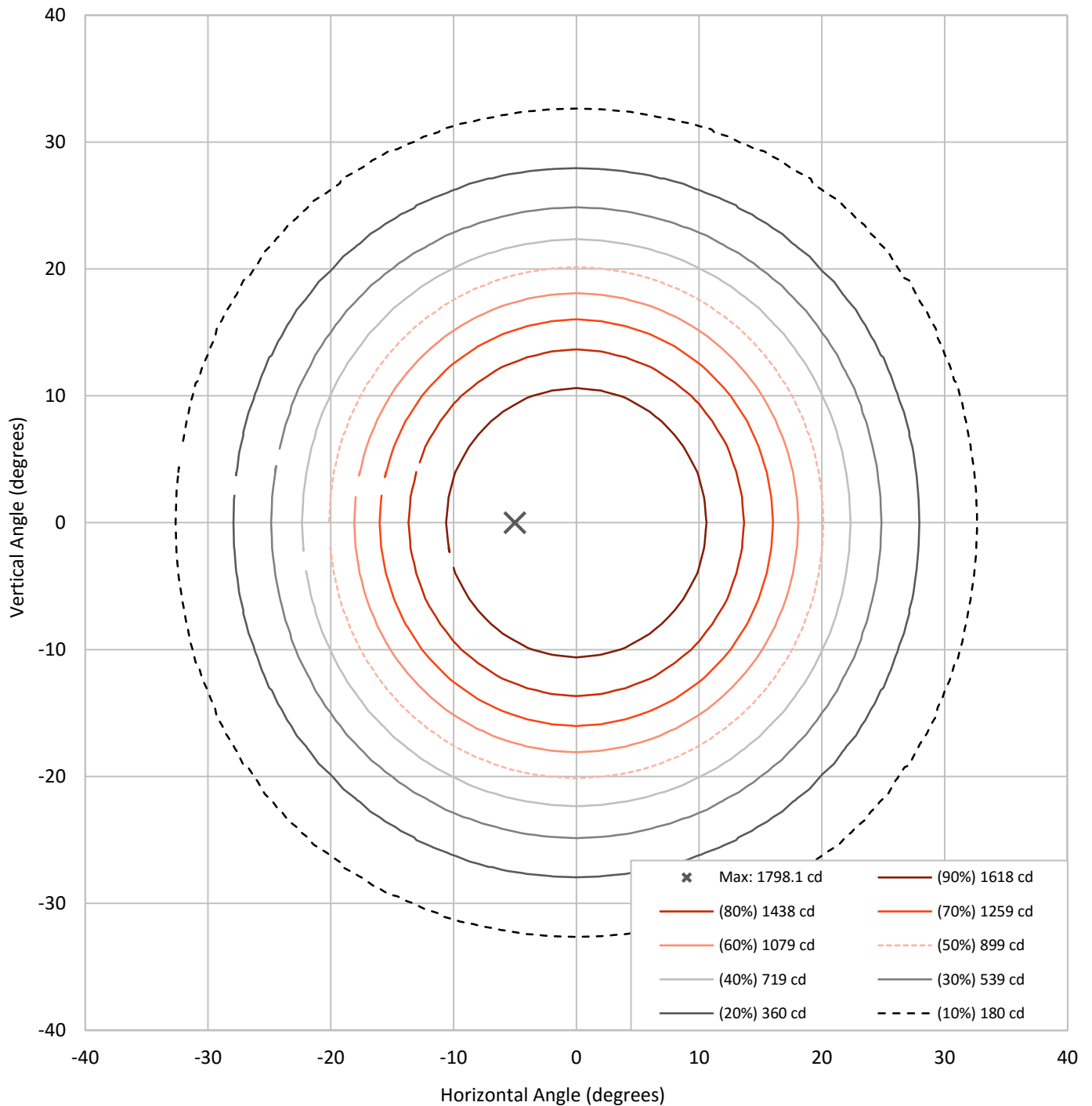
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	881 lumens	Max Intensity:	1798.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	88.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.3°H x 39.1°V	Field Angle (10%):	65°H x 64.5°V
Beam Lumens:	530.5 lumens	Field Lumens:	806.4 lumens
Beam Efficiency:	60.2%	Field Efficiency:	91.5%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





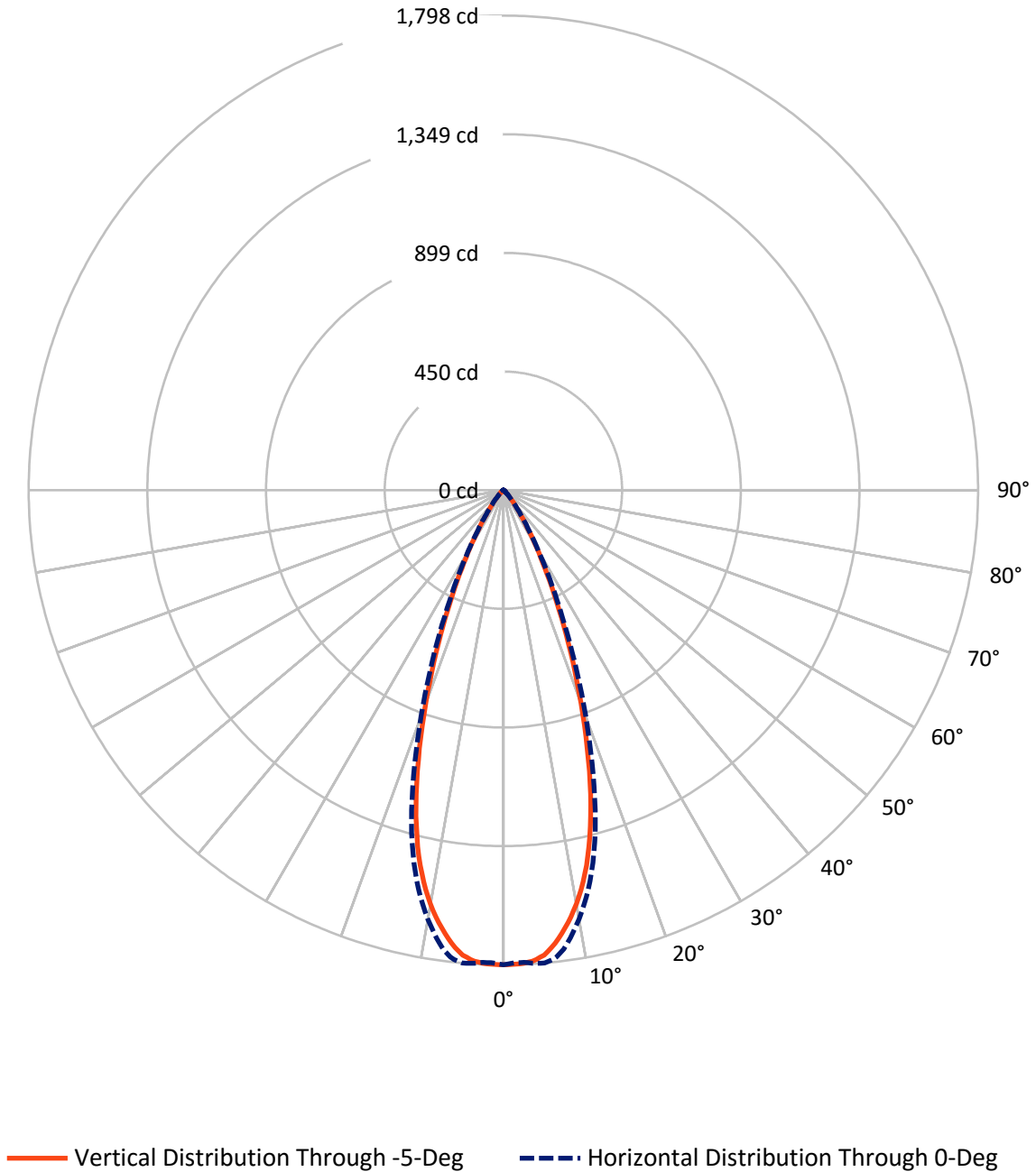
REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

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	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	0.0
70	0.0	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	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.7	0.7	0.5	0.3	0.1	0.1	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.4	1.1	2.5	3.8	3.8	2.5	1.1	0.4	0.1	0.0	0.0		
30	0.0	0.0	0.1	0.2	1.0	3.8	9.6	15.4	15.4	9.6	3.8	1.0	0.2	0.1	0.0	0.0	
20		0.0	0.1	0.4	2.1	9.1	24.0	37.6	37.6	24.0	9.1	2.1	0.4	0.1	0.0		
10	0.0	0.0	0.1	0.5	3.2	14.1	36.5	51.9	51.9	36.5	14.1	3.2	0.5	0.1	0.0	0.0	
0		0.0	0.1	0.5	3.2	14.1	36.5	51.9	51.9	36.5	14.1	3.2	0.5	0.1	0.0		
-10	0.0	0.0	0.1	0.5	3.2	14.1	36.5	51.9	51.9	36.5	14.1	3.2	0.5	0.1	0.0	0.0	
-20		0.0	0.1	0.4	2.1	9.1	24.0	37.6	37.6	24.0	9.1	2.1	0.4	0.1	0.0		
-30	0.0	0.0	0.1	0.2	1.0	3.8	9.6	15.4	15.4	9.6	3.8	1.0	0.2	0.1	0.0	0.0	
-40		0.0	0.0	0.1	0.4	1.1	2.5	3.8	3.8	2.5	1.1	0.4	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.7	0.7	0.5	0.3	0.1	0.1	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	0.0		
-70	0.0	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	
-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		
-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	

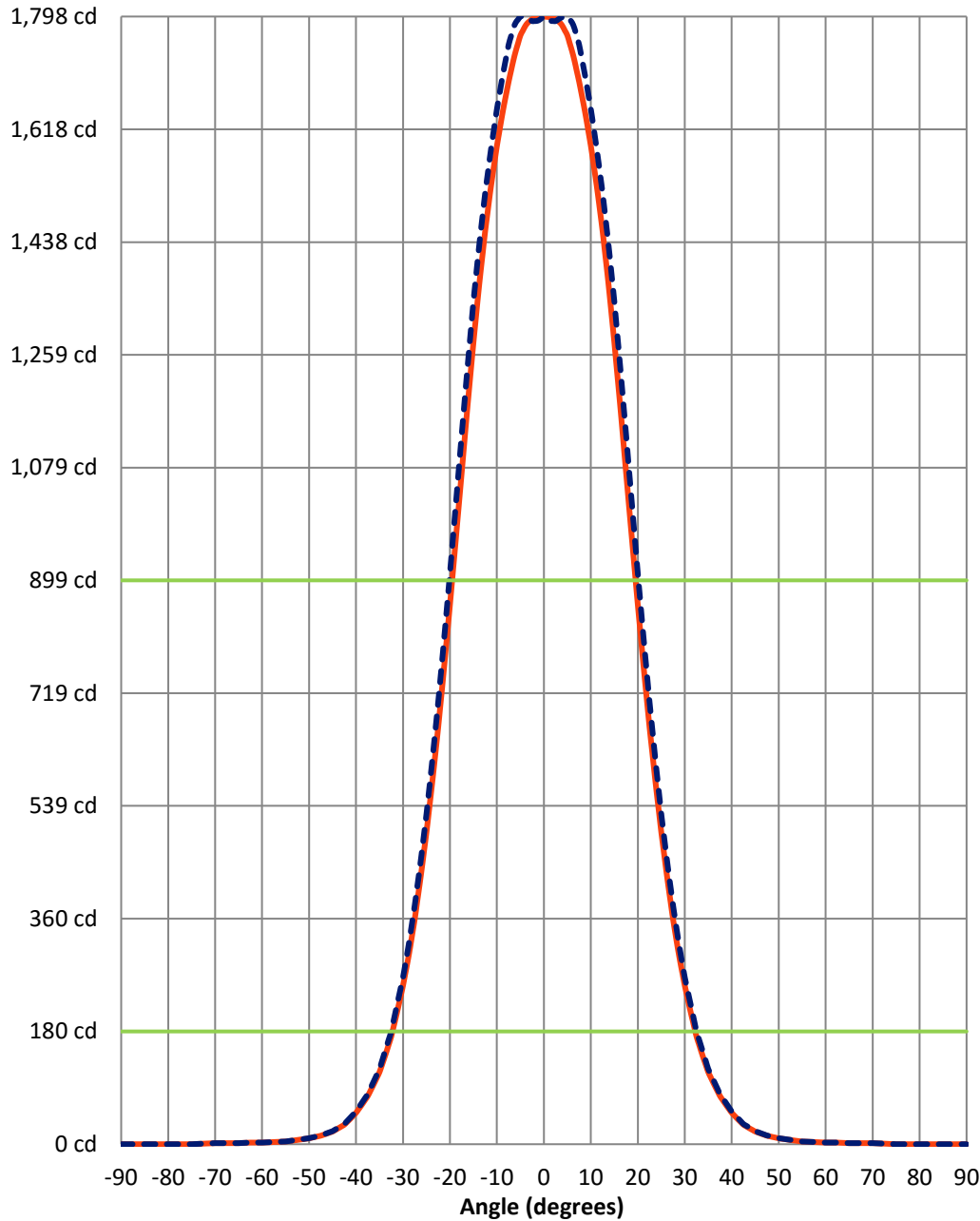
REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

Luminous Intensity Polar Plot



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

Luminous Intensity Plot



Beam:
 H Angle: 40.3°
 V Angle: 39.1°
 Lumens: 530.5
 Efficiency: 60.2%

Field:
 H Angle: 65°
 V Angle: 64.5°
 Lumens: 806.4
 Efficiency: 91.5%

Spill:
 Lumens: 74.6
 Efficiency: 8.5%

- Vertical Distribution through -5-Deg
- - - Horizontal Distribution through 0-Deg



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

FIELD
 BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	2	2	2	2	2	3	3	3	3	3	3
32.5°	2	2	2	2	2	3	3	3	3	3	4
31.25°	2	2	2	2	3	3	3	3	3	3	4
30°	2	2	2	2	3	3	3	3	3	4	4
28.75°	2	2	2	2	3	3	3	3	3	4	4
27.5°	2	2	2	3	3	3	3	3	4	4	4
26.25°	2	2	2	3	3	3	3	3	4	4	5
25°	2	2	2	3	3	3	3	3	4	4	5
23.75°	2	2	3	3	3	3	3	4	4	4	5
22.5°	2	2	3	3	3	3	3	4	4	5	6
21.25°	2	2	3	3	3	3	3	4	4	5	6
20°	2	2	3	3	3	3	4	4	4	5	7
18.75°	2	2	3	3	3	3	4	4	5	6	7
17.5°	2	3	3	3	3	3	4	4	5	6	7
16.25°	2	3	3	3	3	3	4	4	5	6	8
15°	2	3	3	3	3	3	4	4	5	7	8
13.75°	2	3	3	3	3	4	4	4	6	7	8
12.5°	2	3	3	3	3	4	4	5	6	7	8
11.25°	2	3	3	3	3	4	4	5	6	7	9
10°	2	3	3	3	3	4	4	5	6	7	9
8.75°	2	3	3	3	3	4	4	5	6	8	9
7.5°	3	3	3	3	3	4	4	5	7	8	9
6.25°	3	3	3	3	3	4	4	5	7	8	9
5°	3	3	3	3	3	4	4	5	7	8	9
3.75°	3	3	3	3	3	4	4	6	7	8	9
2.5°	3	3	3	3	3	4	4	6	7	8	10
1.25°	3	3	3	3	3	4	4	6	7	8	10
0°	3	3	3	3	4	4	4	6	7	8	10
-1.25°	3	3	3	3	3	4	4	6	7	8	10
-2.5°	3	3	3	3	3	4	4	6	7	8	10
-3.75°	3	3	3	3	3	4	4	6	7	8	9
-5°	3	3	3	3	3	4	4	5	7	8	9
-6.25°	3	3	3	3	3	4	4	5	7	8	9
-7.5°	3	3	3	3	3	4	4	5	7	8	9
-8.75°	2	3	3	3	3	4	4	5	6	8	9
-10°	2	3	3	3	3	4	4	5	6	7	9
-11.25°	2	3	3	3	3	4	4	5	6	7	9
-12.5°	2	3	3	3	3	4	4	5	6	7	8
-13.75°	2	3	3	3	3	4	4	4	6	7	8
-15°	2	3	3	3	3	3	4	4	5	7	8
-16.25°	2	3	3	3	3	3	4	4	5	6	8
-17.5°	2	3	3	3	3	3	4	4	5	6	7
-18.75°	2	2	3	3	3	3	4	4	5	6	7
-20°	2	2	3	3	3	3	4	4	4	5	7
-21.25°	2	2	3	3	3	3	3	4	4	5	6



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	1	1	1
67.5°	0	0	0	0	0	0	1	1	1	1	1
66.25°	0	0	0	1	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	2	2
63.75°	1	1	1	1	1	1	2	2	2	2	2
62.5°	1	1	1	1	2	2	2	2	2	2	2
61.25°	1	1	2	2	2	2	2	2	2	2	2
60°	1	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	3
53.75°	2	2	2	2	2	2	2	2	3	3	3
52.5°	2	2	2	2	2	2	3	3	3	3	3
51.25°	2	2	2	2	2	3	3	3	3	3	3
50°	2	2	2	2	3	3	3	3	3	3	3
48.75°	2	2	2	3	3	3	3	3	3	3	3
47.5°	2	2	3	3	3	3	3	3	3	3	4
46.25°	2	3	3	3	3	3	3	3	4	4	4
45°	3	3	3	3	3	3	3	4	4	4	4
43.75°	3	3	3	3	3	3	4	4	4	4	5
42.5°	3	3	3	3	3	4	4	4	4	5	6
41.25°	3	3	3	3	4	4	4	4	5	6	7
40°	3	3	3	4	4	4	4	5	6	7	8
38.75°	3	3	4	4	4	4	5	6	7	8	8
37.5°	3	3	4	4	4	5	6	7	8	9	9
36.25°	3	4	4	4	5	6	7	8	8	9	11
35°	4	4	4	5	6	7	7	8	9	11	12



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	4	4	4	5	6	7	8	9	10	12	13
32.5°	4	4	5	6	7	8	9	10	12	13	15
31.25°	4	5	6	7	8	9	10	11	13	14	17
30°	4	5	6	7	8	9	11	12	14	16	19
28.75°	5	6	7	8	9	10	12	13	16	18	21
27.5°	5	6	7	8	9	11	13	15	17	20	24
26.25°	6	7	8	9	10	12	14	16	19	22	27
25°	6	7	8	9	11	13	15	18	21	25	30
23.75°	7	8	9	10	12	14	17	19	23	28	33
22.5°	7	8	9	11	13	15	18	21	26	30	37
21.25°	7	9	10	12	14	16	19	23	28	34	42
20°	8	9	11	12	15	18	21	26	30	38	46
18.75°	8	9	11	13	16	19	23	28	33	42	50
17.5°	8	10	12	14	17	20	24	30	37	45	55
16.25°	9	10	12	15	18	21	26	31	40	49	60
15°	9	11	13	15	19	23	28	34	43	52	65
13.75°	9	11	13	16	20	24	29	37	46	57	70
12.5°	10	12	14	17	20	25	31	39	49	61	74
11.25°	10	12	14	18	21	27	32	42	51	64	77
10°	10	13	15	18	22	28	34	44	54	67	81
8.75°	11	13	16	19	23	29	36	46	57	70	86
7.5°	11	13	16	19	24	30	38	47	59	73	89
6.25°	11	13	16	20	25	30	39	49	61	75	93
5°	11	14	17	20	25	31	40	50	63	77	95
3.75°	12	14	17	20	26	31	41	51	64	78	97
2.5°	12	14	17	21	26	32	42	52	65	79	99
1.25°	12	14	17	21	26	32	42	52	66	80	100
0°	12	14	17	21	26	32	42	52	66	80	100
-1.25°	12	14	17	21	26	32	42	52	66	80	100
-2.5°	12	14	17	21	26	32	42	52	65	79	99
-3.75°	12	14	17	20	26	31	41	51	64	78	97
-5°	11	14	17	20	25	31	40	50	63	77	95
-6.25°	11	13	16	20	25	30	39	49	61	75	93
-7.5°	11	13	16	19	24	30	38	47	59	73	89
-8.75°	11	13	16	19	23	29	36	46	57	70	86
-10°	10	13	15	18	22	28	34	44	54	67	81
-11.25°	10	12	14	18	21	27	32	42	51	64	77
-12.5°	10	12	14	17	20	25	31	39	49	61	74
-13.75°	9	11	13	16	20	24	29	37	46	57	70
-15°	9	11	13	15	19	23	28	34	43	52	65
-16.25°	9	10	12	15	18	21	26	31	40	49	60
-17.5°	8	10	12	14	17	20	24	30	37	45	55
-18.75°	8	9	11	13	16	19	23	28	33	42	50
-20°	8	9	11	12	15	18	21	26	30	38	46
-21.25°	7	9	10	12	14	16	19	23	28	34	42



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	7	8	9	11	13	15	18	21	26	30	37
-23.75°	7	8	9	10	12	14	17	19	23	28	33
-25°	6	7	8	9	11	13	15	18	21	25	30
-26.25°	6	7	8	9	10	12	14	16	19	22	27
-27.5°	5	6	7	8	9	11	13	15	17	20	24
-28.75°	5	6	7	8	9	10	12	13	16	18	21
-30°	4	5	6	7	8	9	11	12	14	16	19
-31.25°	4	5	6	7	8	9	10	11	13	14	17
-32.5°	4	4	5	6	7	8	9	10	12	13	15
-33.75°	4	4	4	5	6	7	8	9	10	12	13
-35°	4	4	4	5	6	7	7	8	9	11	12
-36.25°	3	4	4	4	5	6	7	8	8	9	11
-37.5°	3	3	4	4	4	5	6	7	8	9	9
-38.75°	3	3	4	4	4	4	5	6	7	8	8
-40°	3	3	3	4	4	4	4	5	6	7	8
-41.25°	3	3	3	3	4	4	4	4	5	6	7
-42.5°	3	3	3	3	3	4	4	4	4	5	6
-43.75°	3	3	3	3	3	3	4	4	4	4	5
-45°	3	3	3	3	3	3	3	4	4	4	4
-46.25°	2	3	3	3	3	3	3	3	4	4	4
-47.5°	2	2	3	3	3	3	3	3	3	3	4
-48.75°	2	2	2	3	3	3	3	3	3	3	3
-50°	2	2	2	2	3	3	3	3	3	3	3
-51.25°	2	2	2	2	2	3	3	3	3	3	3
-52.5°	2	2	2	2	2	2	3	3	3	3	3
-53.75°	2	2	2	2	2	2	2	2	3	3	3
-55°	2	2	2	2	2	2	2	2	2	2	3
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	1	2	2	2	2	2	2	2	2	2	2
-61.25°	1	1	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	2	2	2	2	2
-65°	0	1	1	1	1	1	1	1	1	2	2
-66.25°	0	0	0	1	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	1	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	1	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	15	17	19	22	26	29	32	38	43	49	54
32.5°	17	19	22	26	29	34	40	45	51	58	65
31.25°	19	22	26	30	34	40	47	53	61	69	76
30°	22	26	29	34	41	47	54	63	71	79	90
28.75°	25	29	34	40	47	55	64	73	82	94	105
27.5°	28	32	40	47	54	64	73	83	96	108	121
26.25°	31	38	45	53	63	73	83	97	110	124	143
25°	36	43	51	61	71	82	96	110	125	145	164
23.75°	41	49	58	69	79	94	108	124	145	166	188
22.5°	46	54	65	76	90	105	121	143	164	188	218
21.25°	50	61	72	85	101	117	138	161	185	216	246
20°	56	67	79	95	111	131	155	178	210	243	276
18.75°	62	74	88	105	122	147	171	202	235	269	309
17.5°	67	80	97	114	136	161	189	225	259	299	344
16.25°	73	87	105	124	150	175	210	246	285	331	381
15°	78	95	113	136	162	193	230	267	312	362	417
13.75°	83	102	120	147	174	210	248	291	340	395	454
12.5°	90	108	130	158	188	227	266	313	367	426	490
11.25°	95	114	139	167	202	242	285	336	393	456	525
10°	100	119	148	176	215	256	302	356	418	485	559
8.75°	105	126	155	186	227	268	319	377	442	512	590
7.5°	109	132	162	195	237	281	334	395	462	537	619
6.25°	112	138	167	204	246	292	347	411	481	559	644
5°	115	142	172	211	253	301	359	425	497	578	665
3.75°	117	145	175	216	259	309	368	436	510	592	682
2.5°	119	148	178	220	263	315	375	444	519	603	695
1.25°	120	149	179	222	265	318	380	448	525	610	702
0°	120	150	180	223	266	319	381	450	526	612	705
-1.25°	120	149	179	222	265	318	380	448	525	610	702
-2.5°	119	148	178	220	263	315	375	444	519	603	695
-3.75°	117	145	175	216	259	309	368	436	510	592	682
-5°	115	142	172	211	253	301	359	425	497	578	665
-6.25°	112	138	167	204	246	292	347	411	481	559	644
-7.5°	109	132	162	195	237	281	334	395	462	537	619
-8.75°	105	126	155	186	227	268	319	377	442	512	590
-10°	100	119	148	176	215	256	302	356	418	485	559
-11.25°	95	114	139	167	202	242	285	336	393	456	525
-12.5°	90	108	130	158	188	227	266	313	367	426	490
-13.75°	83	102	120	147	174	210	248	291	340	395	454
-15°	78	95	113	136	162	193	230	267	312	362	417
-16.25°	73	87	105	124	150	175	210	246	285	331	381
-17.5°	67	80	97	114	136	161	189	225	259	299	344
-18.75°	62	74	88	105	122	147	171	202	235	269	309
-20°	56	67	79	95	111	131	155	178	210	243	276
-21.25°	50	61	72	85	101	117	138	161	185	216	246



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	46	54	65	76	90	105	121	143	164	188	218
-23.75°	41	49	58	69	79	94	108	124	145	166	188
-25°	36	43	51	61	71	82	96	110	125	145	164
-26.25°	31	38	45	53	63	73	83	97	110	124	143
-27.5°	28	32	40	47	54	64	73	83	96	108	121
-28.75°	25	29	34	40	47	55	64	73	82	94	105
-30°	22	26	29	34	41	47	54	63	71	79	90
-31.25°	19	22	26	30	34	40	47	53	61	69	76
-32.5°	17	19	22	26	29	34	40	45	51	58	65
-33.75°	15	17	19	22	26	29	32	38	43	49	54
-35°	13	15	17	19	22	25	28	31	36	41	46
-36.25°	12	13	15	17	19	21	24	27	30	33	37
-37.5°	11	12	13	14	16	18	20	22	25	28	30
-38.75°	9	10	12	13	14	16	17	19	21	23	26
-40°	8	9	10	11	12	13	15	16	18	19	21
-41.25°	7	8	9	10	11	12	13	14	15	17	18
-42.5°	7	7	8	9	9	10	11	12	13	14	15
-43.75°	6	6	7	8	8	9	9	10	11	12	13
-45°	5	5	6	7	7	8	8	9	9	10	11
-46.25°	4	4	5	6	6	7	7	8	8	9	9
-47.5°	4	4	4	5	5	6	6	7	7	8	8
-48.75°	4	4	4	4	4	5	5	6	6	7	7
-50°	3	3	4	4	4	4	4	5	5	5	6
-51.25°	3	3	3	3	4	4	4	4	4	4	5
-52.5°	3	3	3	3	3	3	4	4	4	4	4
-53.75°	3	3	3	3	3	3	3	3	3	4	4
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	2	3	3	3	3	3	3	3	3	3	3
-57.5°	2	2	2	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	3	3
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	2
-70°	0	1	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	4	4	4	4	4
55°	3	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	5	5	5	5
52.5°	4	4	5	5	5	5	6	6	6	6	6
51.25°	5	5	6	6	6	7	7	7	7	7	8
50°	6	7	7	7	8	8	8	8	9	9	9
48.75°	7	8	8	8	9	9	9	10	10	10	11
47.5°	9	9	9	10	10	11	11	12	12	13	13
46.25°	10	11	11	12	12	13	13	14	14	15	16
45°	12	12	13	14	15	15	16	17	18	18	19
43.75°	14	15	16	17	18	19	20	20	21	22	23
42.5°	16	18	19	20	21	23	24	25	27	28	29
41.25°	19	21	23	24	26	28	29	31	32	34	36
40°	23	26	28	30	31	34	37	39	42	44	46
38.75°	28	30	33	37	40	43	46	49	51	54	57
37.5°	34	38	42	45	49	52	57	61	64	67	70
36.25°	42	46	50	55	60	65	70	74	77	81	86
35°	50	56	62	67	73	78	83	90	95	100	105



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	61	67	74	80	87	95	102	108	114	119	126
32.5°	72	79	88	97	105	113	120	130	139	148	155
31.25°	85	95	105	114	124	136	147	158	167	176	186
30°	101	111	122	136	150	162	174	188	202	215	227
28.75°	117	131	147	161	175	193	210	227	242	256	268
27.5°	138	155	171	189	210	230	248	266	285	302	319
26.25°	161	178	202	225	246	267	291	313	336	356	377
25°	185	210	235	259	285	312	340	367	393	418	442
23.75°	216	243	269	299	331	362	395	426	456	485	512
22.5°	246	276	309	344	381	417	454	490	525	559	590
21.25°	278	314	352	393	434	476	518	560	600	638	674
20°	314	355	400	445	492	539	587	634	679	723	763
18.75°	352	400	448	499	552	606	659	712	763	812	857
17.5°	393	445	499	557	615	674	734	793	850	904	954
16.25°	434	492	552	615	680	746	812	876	939	997	1051
15°	476	539	606	674	746	818	890	960	1027	1090	1148
13.75°	518	587	659	734	812	890	967	1042	1114	1181	1240
12.5°	560	634	712	793	876	960	1042	1122	1197	1265	1326
11.25°	600	679	763	850	939	1027	1114	1197	1273	1343	1402
10°	638	723	812	904	997	1090	1181	1265	1343	1411	1469
8.75°	674	763	857	954	1051	1148	1240	1326	1402	1469	1526
7.5°	707	800	898	999	1100	1199	1292	1378	1453	1518	1574
6.25°	735	832	934	1038	1142	1242	1337	1422	1495	1559	1614
5°	760	860	965	1071	1178	1278	1373	1456	1529	1592	1647
3.75°	779	882	989	1097	1205	1307	1400	1483	1555	1617	1672
2.5°	793	898	1006	1116	1224	1327	1420	1502	1573	1635	1690
1.25°	802	907	1017	1128	1236	1340	1432	1513	1584	1647	1701
0°	805	910	1020	1131	1240	1344	1435	1517	1587	1650	1705
-1.25°	802	907	1017	1128	1236	1340	1432	1513	1584	1647	1701
-2.5°	793	898	1006	1116	1224	1327	1420	1502	1573	1635	1690
-3.75°	779	882	989	1097	1205	1307	1400	1483	1555	1617	1672
-5°	760	860	965	1071	1178	1278	1373	1456	1529	1592	1647
-6.25°	735	832	934	1038	1142	1242	1337	1422	1495	1559	1614
-7.5°	707	800	898	999	1100	1199	1292	1378	1453	1518	1574
-8.75°	674	763	857	954	1051	1148	1240	1326	1402	1469	1526
-10°	638	723	812	904	997	1090	1181	1265	1343	1411	1469
-11.25°	600	679	763	850	939	1027	1114	1197	1273	1343	1402
-12.5°	560	634	712	793	876	960	1042	1122	1197	1265	1326
-13.75°	518	587	659	734	812	890	967	1042	1114	1181	1240
-15°	476	539	606	674	746	818	890	960	1027	1090	1148
-16.25°	434	492	552	615	680	746	812	876	939	997	1051
-17.5°	393	445	499	557	615	674	734	793	850	904	954
-18.75°	352	400	448	499	552	606	659	712	763	812	857
-20°	314	355	400	445	492	539	587	634	679	723	763
-21.25°	278	314	352	393	434	476	518	560	600	638	674



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	246	276	309	344	381	417	454	490	525	559	590
-23.75°	216	243	269	299	331	362	395	426	456	485	512
-25°	185	210	235	259	285	312	340	367	393	418	442
-26.25°	161	178	202	225	246	267	291	313	336	356	377
-27.5°	138	155	171	189	210	230	248	266	285	302	319
-28.75°	117	131	147	161	175	193	210	227	242	256	268
-30°	101	111	122	136	150	162	174	188	202	215	227
-31.25°	85	95	105	114	124	136	147	158	167	176	186
-32.5°	72	79	88	97	105	113	120	130	139	148	155
-33.75°	61	67	74	80	87	95	102	108	114	119	126
-35°	50	56	62	67	73	78	83	90	95	100	105
-36.25°	42	46	50	55	60	65	70	74	77	81	86
-37.5°	34	38	42	45	49	52	57	61	64	67	70
-38.75°	28	30	33	37	40	43	46	49	51	54	57
-40°	23	26	28	30	31	34	37	39	42	44	46
-41.25°	19	21	23	24	26	28	29	31	32	34	36
-42.5°	16	18	19	20	21	23	24	25	27	28	29
-43.75°	14	15	16	17	18	19	20	20	21	22	23
-45°	12	12	13	14	15	15	16	17	18	18	19
-46.25°	10	11	11	12	12	13	13	14	14	15	16
-47.5°	9	9	9	10	10	11	11	12	12	13	13
-48.75°	7	8	8	8	9	9	9	10	10	10	11
-50°	6	7	7	7	8	8	8	8	9	9	9
-51.25°	5	5	6	6	6	7	7	7	7	7	8
-52.5°	4	4	5	5	5	5	6	6	6	6	6
-53.75°	4	4	4	4	4	4	4	5	5	5	5
-55°	3	4	4	4	4	4	4	4	4	4	4
-56.25°	3	3	3	3	3	3	4	4	4	4	4
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	2	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°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	2	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	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°	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	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	4	3	3	3	3
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	5	5	5	6	6	6	6	6	6	6	5
52.5°	7	7	7	7	7	7	7	7	7	7	7
51.25°	8	8	8	8	8	8	8	8	8	8	8
50°	9	9	9	9	10	10	10	10	10	9	9
48.75°	11	11	11	12	12	12	12	12	12	12	11
47.5°	13	13	14	14	14	14	14	14	14	14	14
46.25°	16	16	17	17	17	17	17	17	17	17	17
45°	19	20	20	20	21	21	21	21	21	20	20
43.75°	24	25	25	26	26	26	26	26	26	26	25
42.5°	30	30	31	31	32	32	32	32	32	31	31
41.25°	38	39	40	41	42	42	42	42	42	41	40
40°	47	49	50	51	52	52	52	52	52	51	50
38.75°	59	61	63	64	65	66	66	66	65	64	63
37.5°	73	75	77	78	79	80	80	80	79	78	77
36.25°	89	93	95	97	99	100	100	100	99	97	95
35°	109	112	115	117	119	120	120	120	119	117	115



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	132	138	142	145	148	149	150	149	148	145	142
32.5°	162	167	172	175	178	179	180	179	178	175	172
31.25°	195	204	211	216	220	222	223	222	220	216	211
30°	237	246	253	259	263	265	266	265	263	259	253
28.75°	281	292	301	309	315	318	319	318	315	309	301
27.5°	334	347	359	368	375	380	381	380	375	368	359
26.25°	395	411	425	436	444	448	450	448	444	436	425
25°	462	481	497	510	519	525	526	525	519	510	497
23.75°	537	559	578	592	603	610	612	610	603	592	578
22.5°	619	644	665	682	695	702	705	702	695	682	665
21.25°	707	735	760	779	793	802	805	802	793	779	760
20°	800	832	860	882	898	907	910	907	898	882	860
18.75°	898	934	965	989	1006	1017	1020	1017	1006	989	965
17.5°	999	1038	1071	1097	1116	1128	1131	1128	1116	1097	1071
16.25°	1100	1142	1178	1205	1224	1236	1240	1236	1224	1205	1178
15°	1199	1242	1278	1307	1327	1340	1344	1340	1327	1307	1278
13.75°	1292	1337	1373	1400	1420	1432	1435	1432	1420	1400	1373
12.5°	1378	1422	1456	1483	1502	1513	1517	1513	1502	1483	1456
11.25°	1453	1495	1529	1555	1573	1584	1587	1584	1573	1555	1529
10°	1518	1559	1592	1617	1635	1647	1650	1647	1635	1617	1592
8.75°	1574	1614	1647	1672	1690	1701	1705	1701	1690	1672	1647
7.5°	1621	1661	1694	1721	1740	1750	1753	1750	1740	1721	1694
6.25°	1661	1702	1736	1761	1776	1783	1786	1783	1776	1761	1736
5°	1694	1736	1768	1786	1794	1797	1798	1797	1794	1786	1768
3.75°	1721	1761	1786	1796	1798	1798	1797	1798	1798	1796	1786
2.5°	1740	1776	1794	1798	1796	1792	1791	1792	1796	1798	1794
1.25°	1750	1783	1797	1798	1792	1789	1791	1789	1792	1798	1797
0°	1753	1786	1798	1797	1791	1791	1798	1791	1791	1797	1798
-1.25°	1750	1783	1797	1798	1792	1789	1791	1789	1792	1798	1797
-2.5°	1740	1776	1794	1798	1796	1792	1791	1792	1796	1798	1794
-3.75°	1721	1761	1786	1796	1798	1798	1797	1798	1798	1796	1786
-5°	1694	1736	1768	1786	1794	1797	1798	1797	1794	1786	1768
-6.25°	1661	1702	1736	1761	1776	1783	1786	1783	1776	1761	1736
-7.5°	1621	1661	1694	1721	1740	1750	1753	1750	1740	1721	1694
-8.75°	1574	1614	1647	1672	1690	1701	1705	1701	1690	1672	1647
-10°	1518	1559	1592	1617	1635	1647	1650	1647	1635	1617	1592
-11.25°	1453	1495	1529	1555	1573	1584	1587	1584	1573	1555	1529
-12.5°	1378	1422	1456	1483	1502	1513	1517	1513	1502	1483	1456
-13.75°	1292	1337	1373	1400	1420	1432	1435	1432	1420	1400	1373
-15°	1199	1242	1278	1307	1327	1340	1344	1340	1327	1307	1278
-16.25°	1100	1142	1178	1205	1224	1236	1240	1236	1224	1205	1178
-17.5°	999	1038	1071	1097	1116	1128	1131	1128	1116	1097	1071
-18.75°	898	934	965	989	1006	1017	1020	1017	1006	989	965
-20°	800	832	860	882	898	907	910	907	898	882	860
-21.25°	707	735	760	779	793	802	805	802	793	779	760



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	619	644	665	682	695	702	705	702	695	682	665
-23.75°	537	559	578	592	603	610	612	610	603	592	578
-25°	462	481	497	510	519	525	526	525	519	510	497
-26.25°	395	411	425	436	444	448	450	448	444	436	425
-27.5°	334	347	359	368	375	380	381	380	375	368	359
-28.75°	281	292	301	309	315	318	319	318	315	309	301
-30°	237	246	253	259	263	265	266	265	263	259	253
-31.25°	195	204	211	216	220	222	223	222	220	216	211
-32.5°	162	167	172	175	178	179	180	179	178	175	172
-33.75°	132	138	142	145	148	149	150	149	148	145	142
-35°	109	112	115	117	119	120	120	120	119	117	115
-36.25°	89	93	95	97	99	100	100	100	99	97	95
-37.5°	73	75	77	78	79	80	80	80	79	78	77
-38.75°	59	61	63	64	65	66	66	66	65	64	63
-40°	47	49	50	51	52	52	52	52	52	51	50
-41.25°	38	39	40	41	42	42	42	42	42	41	40
-42.5°	30	30	31	31	32	32	32	32	32	31	31
-43.75°	24	25	25	26	26	26	26	26	26	26	25
-45°	19	20	20	20	21	21	21	21	21	20	20
-46.25°	16	16	17	17	17	17	17	17	17	17	17
-47.5°	13	13	14	14	14	14	14	14	14	14	14
-48.75°	11	11	11	12	12	12	12	12	12	12	11
-50°	9	9	9	9	10	10	10	10	10	9	9
-51.25°	8	8	8	8	8	8	8	8	8	8	8
-52.5°	7	7	7	7	7	7	7	7	7	7	7
-53.75°	5	5	5	6	6	6	6	6	6	6	5
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	3	4	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	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	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	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: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	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°	3	3	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	2
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	4	4	4	4	4	4	4	3	3	3	3
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	4	4	4	4	4
52.5°	7	7	6	6	6	6	6	5	5	5	5
51.25°	8	8	8	7	7	7	7	7	6	6	6
50°	9	9	9	9	9	8	8	8	8	7	7
48.75°	11	11	11	10	10	10	9	9	9	8	8
47.5°	13	13	13	13	12	12	11	11	10	10	9
46.25°	16	16	16	15	14	14	13	13	12	12	11
45°	20	19	19	18	18	17	16	15	15	14	13
43.75°	25	24	23	22	21	20	20	19	18	17	16
42.5°	30	30	29	28	27	25	24	23	21	20	19
41.25°	39	38	36	34	32	31	29	28	26	24	23
40°	49	47	46	44	42	39	37	34	31	30	28
38.75°	61	59	57	54	51	49	46	43	40	37	33
37.5°	75	73	70	67	64	61	57	52	49	45	42
36.25°	93	89	86	81	77	74	70	65	60	55	50
35°	112	109	105	100	95	90	83	78	73	67	62



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	138	132	126	119	114	108	102	95	87	80	74
32.5°	167	162	155	148	139	130	120	113	105	97	88
31.25°	204	195	186	176	167	158	147	136	124	114	105
30°	246	237	227	215	202	188	174	162	150	136	122
28.75°	292	281	268	256	242	227	210	193	175	161	147
27.5°	347	334	319	302	285	266	248	230	210	189	171
26.25°	411	395	377	356	336	313	291	267	246	225	202
25°	481	462	442	418	393	367	340	312	285	259	235
23.75°	559	537	512	485	456	426	395	362	331	299	269
22.5°	644	619	590	559	525	490	454	417	381	344	309
21.25°	735	707	674	638	600	560	518	476	434	393	352
20°	832	800	763	723	679	634	587	539	492	445	400
18.75°	934	898	857	812	763	712	659	606	552	499	448
17.5°	1038	999	954	904	850	793	734	674	615	557	499
16.25°	1142	1100	1051	997	939	876	812	746	680	615	552
15°	1242	1199	1148	1090	1027	960	890	818	746	674	606
13.75°	1337	1292	1240	1181	1114	1042	967	890	812	734	659
12.5°	1422	1378	1326	1265	1197	1122	1042	960	876	793	712
11.25°	1495	1453	1402	1343	1273	1197	1114	1027	939	850	763
10°	1559	1518	1469	1411	1343	1265	1181	1090	997	904	812
8.75°	1614	1574	1526	1469	1402	1326	1240	1148	1051	954	857
7.5°	1661	1621	1574	1518	1453	1378	1292	1199	1100	999	898
6.25°	1702	1661	1614	1559	1495	1422	1337	1242	1142	1038	934
5°	1736	1694	1647	1592	1529	1456	1373	1278	1178	1071	965
3.75°	1761	1721	1672	1617	1555	1483	1400	1307	1205	1097	989
2.5°	1776	1740	1690	1635	1573	1502	1420	1327	1224	1116	1006
1.25°	1783	1750	1701	1647	1584	1513	1432	1340	1236	1128	1017
0°	1786	1753	1705	1650	1587	1517	1435	1344	1240	1131	1020
-1.25°	1783	1750	1701	1647	1584	1513	1432	1340	1236	1128	1017
-2.5°	1776	1740	1690	1635	1573	1502	1420	1327	1224	1116	1006
-3.75°	1761	1721	1672	1617	1555	1483	1400	1307	1205	1097	989
-5°	1736	1694	1647	1592	1529	1456	1373	1278	1178	1071	965
-6.25°	1702	1661	1614	1559	1495	1422	1337	1242	1142	1038	934
-7.5°	1661	1621	1574	1518	1453	1378	1292	1199	1100	999	898
-8.75°	1614	1574	1526	1469	1402	1326	1240	1148	1051	954	857
-10°	1559	1518	1469	1411	1343	1265	1181	1090	997	904	812
-11.25°	1495	1453	1402	1343	1273	1197	1114	1027	939	850	763
-12.5°	1422	1378	1326	1265	1197	1122	1042	960	876	793	712
-13.75°	1337	1292	1240	1181	1114	1042	967	890	812	734	659
-15°	1242	1199	1148	1090	1027	960	890	818	746	674	606
-16.25°	1142	1100	1051	997	939	876	812	746	680	615	552
-17.5°	1038	999	954	904	850	793	734	674	615	557	499
-18.75°	934	898	857	812	763	712	659	606	552	499	448
-20°	832	800	763	723	679	634	587	539	492	445	400
-21.25°	735	707	674	638	600	560	518	476	434	393	352



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	644	619	590	559	525	490	454	417	381	344	309
-23.75°	559	537	512	485	456	426	395	362	331	299	269
-25°	481	462	442	418	393	367	340	312	285	259	235
-26.25°	411	395	377	356	336	313	291	267	246	225	202
-27.5°	347	334	319	302	285	266	248	230	210	189	171
-28.75°	292	281	268	256	242	227	210	193	175	161	147
-30°	246	237	227	215	202	188	174	162	150	136	122
-31.25°	204	195	186	176	167	158	147	136	124	114	105
-32.5°	167	162	155	148	139	130	120	113	105	97	88
-33.75°	138	132	126	119	114	108	102	95	87	80	74
-35°	112	109	105	100	95	90	83	78	73	67	62
-36.25°	93	89	86	81	77	74	70	65	60	55	50
-37.5°	75	73	70	67	64	61	57	52	49	45	42
-38.75°	61	59	57	54	51	49	46	43	40	37	33
-40°	49	47	46	44	42	39	37	34	31	30	28
-41.25°	39	38	36	34	32	31	29	28	26	24	23
-42.5°	30	30	29	28	27	25	24	23	21	20	19
-43.75°	25	24	23	22	21	20	20	19	18	17	16
-45°	20	19	19	18	18	17	16	15	15	14	13
-46.25°	16	16	16	15	14	14	13	13	12	12	11
-47.5°	13	13	13	13	12	12	11	11	10	10	9
-48.75°	11	11	11	10	10	10	9	9	9	8	8
-50°	9	9	9	9	9	8	8	8	8	7	7
-51.25°	8	8	8	7	7	7	7	7	6	6	6
-52.5°	7	7	6	6	6	6	6	5	5	5	5
-53.75°	5	5	5	5	5	5	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	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	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	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: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	2	2	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	2
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	4	3	3	3	3	3	3	3	3	3	3
53.75°	4	4	4	4	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	4	3	3	3	3
51.25°	5	5	5	4	4	4	4	4	4	3	3
50°	7	6	6	5	5	5	4	4	4	4	4
48.75°	8	7	7	7	6	6	5	5	4	4	4
47.5°	9	9	8	8	7	7	6	6	5	5	4
46.25°	11	10	9	9	8	8	7	7	6	6	5
45°	12	12	11	10	9	9	8	8	7	7	6
43.75°	15	14	13	12	11	10	9	9	8	8	7
42.5°	18	16	15	14	13	12	11	10	9	9	8
41.25°	21	19	18	17	15	14	13	12	11	10	9
40°	26	23	21	19	18	16	15	13	12	11	10
38.75°	30	28	26	23	21	19	17	16	14	13	12
37.5°	38	34	30	28	25	22	20	18	16	14	13
36.25°	46	42	37	33	30	27	24	21	19	17	15
35°	56	50	46	41	36	31	28	25	22	19	17



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	67	61	54	49	43	38	32	29	26	22	19
32.5°	79	72	65	58	51	45	40	34	29	26	22
31.25°	95	85	76	69	61	53	47	40	34	30	26
30°	111	101	90	79	71	63	54	47	41	34	29
28.75°	131	117	105	94	82	73	64	55	47	40	34
27.5°	155	138	121	108	96	83	73	64	54	47	40
26.25°	178	161	143	124	110	97	83	73	63	53	45
25°	210	185	164	145	125	110	96	82	71	61	51
23.75°	243	216	188	166	145	124	108	94	79	69	58
22.5°	276	246	218	188	164	143	121	105	90	76	65
21.25°	314	278	246	216	185	161	138	117	101	85	72
20°	355	314	276	243	210	178	155	131	111	95	79
18.75°	400	352	309	269	235	202	171	147	122	105	88
17.5°	445	393	344	299	259	225	189	161	136	114	97
16.25°	492	434	381	331	285	246	210	175	150	124	105
15°	539	476	417	362	312	267	230	193	162	136	113
13.75°	587	518	454	395	340	291	248	210	174	147	120
12.5°	634	560	490	426	367	313	266	227	188	158	130
11.25°	679	600	525	456	393	336	285	242	202	167	139
10°	723	638	559	485	418	356	302	256	215	176	148
8.75°	763	674	590	512	442	377	319	268	227	186	155
7.5°	800	707	619	537	462	395	334	281	237	195	162
6.25°	832	735	644	559	481	411	347	292	246	204	167
5°	860	760	665	578	497	425	359	301	253	211	172
3.75°	882	779	682	592	510	436	368	309	259	216	175
2.5°	898	793	695	603	519	444	375	315	263	220	178
1.25°	907	802	702	610	525	448	380	318	265	222	179
0°	910	805	705	612	526	450	381	319	266	223	180
-1.25°	907	802	702	610	525	448	380	318	265	222	179
-2.5°	898	793	695	603	519	444	375	315	263	220	178
-3.75°	882	779	682	592	510	436	368	309	259	216	175
-5°	860	760	665	578	497	425	359	301	253	211	172
-6.25°	832	735	644	559	481	411	347	292	246	204	167
-7.5°	800	707	619	537	462	395	334	281	237	195	162
-8.75°	763	674	590	512	442	377	319	268	227	186	155
-10°	723	638	559	485	418	356	302	256	215	176	148
-11.25°	679	600	525	456	393	336	285	242	202	167	139
-12.5°	634	560	490	426	367	313	266	227	188	158	130
-13.75°	587	518	454	395	340	291	248	210	174	147	120
-15°	539	476	417	362	312	267	230	193	162	136	113
-16.25°	492	434	381	331	285	246	210	175	150	124	105
-17.5°	445	393	344	299	259	225	189	161	136	114	97
-18.75°	400	352	309	269	235	202	171	147	122	105	88
-20°	355	314	276	243	210	178	155	131	111	95	79
-21.25°	314	278	246	216	185	161	138	117	101	85	72



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	276	246	218	188	164	143	121	105	90	76	65
-23.75°	243	216	188	166	145	124	108	94	79	69	58
-25°	210	185	164	145	125	110	96	82	71	61	51
-26.25°	178	161	143	124	110	97	83	73	63	53	45
-27.5°	155	138	121	108	96	83	73	64	54	47	40
-28.75°	131	117	105	94	82	73	64	55	47	40	34
-30°	111	101	90	79	71	63	54	47	41	34	29
-31.25°	95	85	76	69	61	53	47	40	34	30	26
-32.5°	79	72	65	58	51	45	40	34	29	26	22
-33.75°	67	61	54	49	43	38	32	29	26	22	19
-35°	56	50	46	41	36	31	28	25	22	19	17
-36.25°	46	42	37	33	30	27	24	21	19	17	15
-37.5°	38	34	30	28	25	22	20	18	16	14	13
-38.75°	30	28	26	23	21	19	17	16	14	13	12
-40°	26	23	21	19	18	16	15	13	12	11	10
-41.25°	21	19	18	17	15	14	13	12	11	10	9
-42.5°	18	16	15	14	13	12	11	10	9	9	8
-43.75°	15	14	13	12	11	10	9	9	8	8	7
-45°	12	12	11	10	9	9	8	8	7	7	6
-46.25°	11	10	9	9	8	8	7	7	6	6	5
-47.5°	9	9	8	8	7	7	6	6	5	5	4
-48.75°	8	7	7	7	6	6	5	5	4	4	4
-50°	7	6	6	5	5	5	4	4	4	4	4
-51.25°	5	5	5	4	4	4	4	4	4	3	3
-52.5°	4	4	4	4	4	4	4	3	3	3	3
-53.75°	4	4	4	4	3	3	3	3	3	3	3
-55°	4	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	2
-58.75°	3	3	3	3	3	3	3	2	2	2	2
-60°	3	3	3	3	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	1	1	1
-68.75°	2	2	2	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	1	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	1	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	0	0	0	0
66.25°	2	1	1	1	1	1	1	1	1	1	0
65°	2	2	2	2	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	1	1
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	3	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	2	2	2	2	2	2	2	2
53.75°	3	3	3	3	3	2	2	2	2	2	2
52.5°	3	3	3	3	3	3	3	2	2	2	2
51.25°	3	3	3	3	3	3	3	3	2	2	2
50°	3	3	3	3	3	3	3	3	3	2	2
48.75°	4	4	3	3	3	3	3	3	3	3	2
47.5°	4	4	4	3	3	3	3	3	3	3	3
46.25°	4	4	4	4	4	3	3	3	3	3	3
45°	5	5	4	4	4	4	3	3	3	3	3
43.75°	6	6	5	4	4	4	4	3	3	3	3
42.5°	7	7	6	5	4	4	4	4	3	3	3
41.25°	8	7	7	6	5	4	4	4	4	3	3
40°	9	8	8	7	6	5	4	4	4	4	3
38.75°	10	9	8	8	7	6	5	4	4	4	4
37.5°	12	11	9	9	8	7	6	5	4	4	4
36.25°	13	12	11	9	8	8	7	6	5	4	4
35°	15	13	12	11	9	8	7	7	6	5	4



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	17	15	13	12	10	9	8	7	6	5	4
32.5°	19	17	15	13	12	10	9	8	7	6	5
31.25°	22	19	17	14	13	11	10	9	8	7	6
30°	26	22	19	16	14	12	11	9	8	7	6
28.75°	29	25	21	18	16	13	12	10	9	8	7
27.5°	32	28	24	20	17	15	13	11	9	8	7
26.25°	38	31	27	22	19	16	14	12	10	9	8
25°	43	36	30	25	21	18	15	13	11	9	8
23.75°	49	41	33	28	23	19	17	14	12	10	9
22.5°	54	46	37	30	26	21	18	15	13	11	9
21.25°	61	50	42	34	28	23	19	16	14	12	10
20°	67	56	46	38	30	26	21	18	15	12	11
18.75°	74	62	50	42	33	28	23	19	16	13	11
17.5°	80	67	55	45	37	30	24	20	17	14	12
16.25°	87	73	60	49	40	31	26	21	18	15	12
15°	95	78	65	52	43	34	28	23	19	15	13
13.75°	102	83	70	57	46	37	29	24	20	16	13
12.5°	108	90	74	61	49	39	31	25	20	17	14
11.25°	114	95	77	64	51	42	32	27	21	18	14
10°	119	100	81	67	54	44	34	28	22	18	15
8.75°	126	105	86	70	57	46	36	29	23	19	16
7.5°	132	109	89	73	59	47	38	30	24	19	16
6.25°	138	112	93	75	61	49	39	30	25	20	16
5°	142	115	95	77	63	50	40	31	25	20	17
3.75°	145	117	97	78	64	51	41	31	26	20	17
2.5°	148	119	99	79	65	52	42	32	26	21	17
1.25°	149	120	100	80	66	52	42	32	26	21	17
0°	150	120	100	80	66	52	42	32	26	21	17
-1.25°	149	120	100	80	66	52	42	32	26	21	17
-2.5°	148	119	99	79	65	52	42	32	26	21	17
-3.75°	145	117	97	78	64	51	41	31	26	20	17
-5°	142	115	95	77	63	50	40	31	25	20	17
-6.25°	138	112	93	75	61	49	39	30	25	20	16
-7.5°	132	109	89	73	59	47	38	30	24	19	16
-8.75°	126	105	86	70	57	46	36	29	23	19	16
-10°	119	100	81	67	54	44	34	28	22	18	15
-11.25°	114	95	77	64	51	42	32	27	21	18	14
-12.5°	108	90	74	61	49	39	31	25	20	17	14
-13.75°	102	83	70	57	46	37	29	24	20	16	13
-15°	95	78	65	52	43	34	28	23	19	15	13
-16.25°	87	73	60	49	40	31	26	21	18	15	12
-17.5°	80	67	55	45	37	30	24	20	17	14	12
-18.75°	74	62	50	42	33	28	23	19	16	13	11
-20°	67	56	46	38	30	26	21	18	15	12	11
-21.25°	61	50	42	34	28	23	19	16	14	12	10



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	4	4	3	3	3	3	3	3	2	2	2
32.5°	4	4	4	3	3	3	3	3	2	2	2
31.25°	5	4	4	3	3	3	3	3	3	2	2
30°	5	4	4	4	3	3	3	3	3	2	2
28.75°	6	5	4	4	3	3	3	3	3	2	2
27.5°	6	5	4	4	4	3	3	3	3	3	2
26.25°	7	6	5	4	4	3	3	3	3	3	2
25°	7	6	5	4	4	3	3	3	3	3	2
23.75°	8	7	5	4	4	4	3	3	3	3	3
22.5°	8	7	6	5	4	4	3	3	3	3	3
21.25°	9	7	6	5	4	4	3	3	3	3	3
20°	9	8	7	5	4	4	4	3	3	3	3
18.75°	9	8	7	6	5	4	4	3	3	3	3
17.5°	10	8	7	6	5	4	4	3	3	3	3
16.25°	10	9	8	6	5	4	4	3	3	3	3
15°	11	9	8	7	5	4	4	3	3	3	3
13.75°	11	9	8	7	6	4	4	4	3	3	3
12.5°	12	10	8	7	6	5	4	4	3	3	3
11.25°	12	10	9	7	6	5	4	4	3	3	3
10°	13	10	9	7	6	5	4	4	3	3	3
8.75°	13	11	9	8	6	5	4	4	3	3	3
7.5°	13	11	9	8	7	5	4	4	3	3	3
6.25°	13	11	9	8	7	5	4	4	3	3	3
5°	14	11	9	8	7	5	4	4	3	3	3
3.75°	14	12	9	8	7	6	4	4	3	3	3
2.5°	14	12	10	8	7	6	4	4	3	3	3
1.25°	14	12	10	8	7	6	4	4	3	3	3
0°	14	12	10	8	7	6	4	4	4	3	3
-1.25°	14	12	10	8	7	6	4	4	3	3	3
-2.5°	14	12	10	8	7	6	4	4	3	3	3
-3.75°	14	12	9	8	7	6	4	4	3	3	3
-5°	14	11	9	8	7	5	4	4	3	3	3
-6.25°	13	11	9	8	7	5	4	4	3	3	3
-7.5°	13	11	9	8	7	5	4	4	3	3	3
-8.75°	13	11	9	8	6	5	4	4	3	3	3
-10°	13	10	9	7	6	5	4	4	3	3	3
-11.25°	12	10	9	7	6	5	4	4	3	3	3
-12.5°	12	10	8	7	6	5	4	4	3	3	3
-13.75°	11	9	8	7	6	4	4	4	3	3	3
-15°	11	9	8	7	5	4	4	3	3	3	3
-16.25°	10	9	8	6	5	4	4	3	3	3	3
-17.5°	10	8	7	6	5	4	4	3	3	3	3
-18.75°	9	8	7	6	5	4	4	3	3	3	3
-20°	9	8	7	5	4	4	4	3	3	3	3
-21.25°	9	7	6	5	4	4	3	3	3	3	3



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220419 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)