

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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

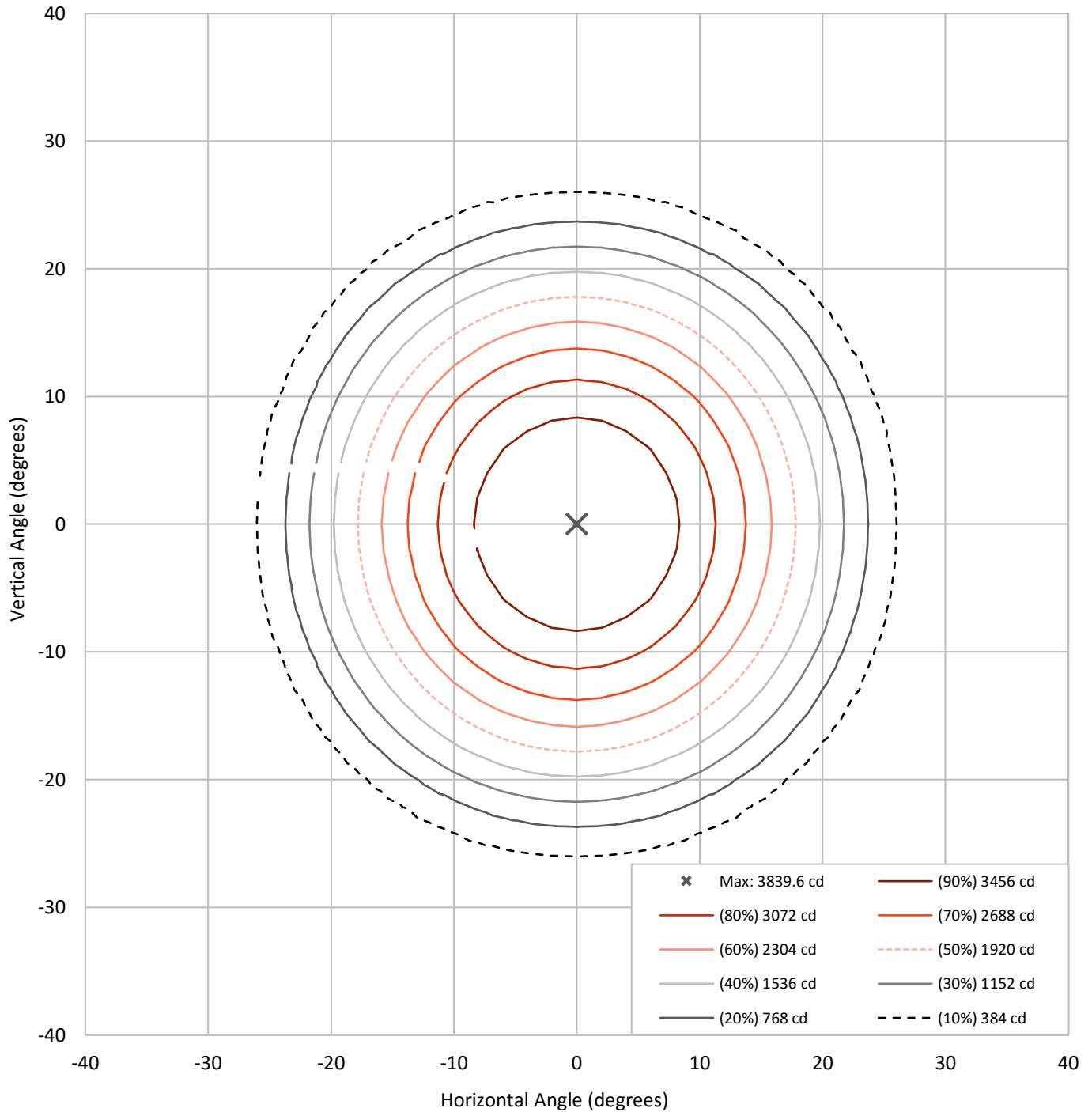
Test Method: LM-79-08
Report Number: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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:	1315.9 lumens	Max Intensity:	3839.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	65.5 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:	877.5 lumens	Field Lumens:	1235.1 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		

REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-BK-L2-UNV

Iso-Candela Plot





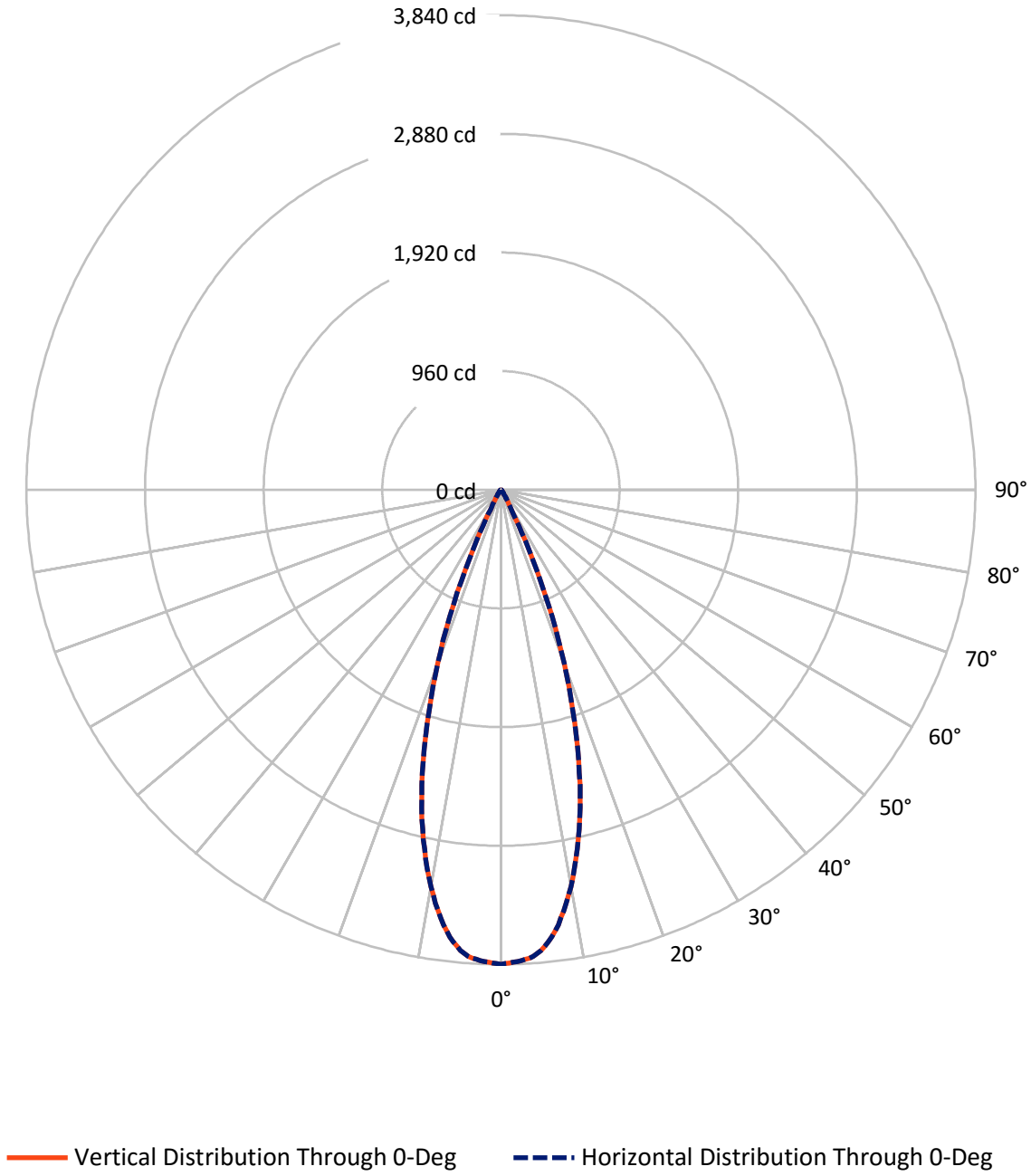
REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-BK-L2-UNV

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	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	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		0.0
30	0.0	0.0	0.1	0.1	0.3	1.3	6.3	16.6	16.6	6.3	1.3	0.3	0.1	0.1	0.0	
20		0.0	0.1	0.2	0.7	6.0	36.9	68.1	68.1	36.9	6.0	0.7	0.2	0.1		0.0
10	0.0	0.0	0.1	0.2	1.1	15.3	66.2	105.2	105.2	66.2	15.3	1.1	0.2	0.1	0.0	
0		0.0	0.1	0.2	1.1	15.3	66.2	105.2	105.2	66.2	15.3	1.1	0.2	0.1		0.0
-10	0.0	0.0	0.1	0.2	0.7	6.0	36.9	68.1	68.1	36.9	6.0	0.7	0.2	0.1	0.0	
-20		0.0	0.1	0.1	0.3	1.3	6.3	16.6	16.6	6.3	1.3	0.3	0.1	0.1		0.0
-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		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		0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-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	

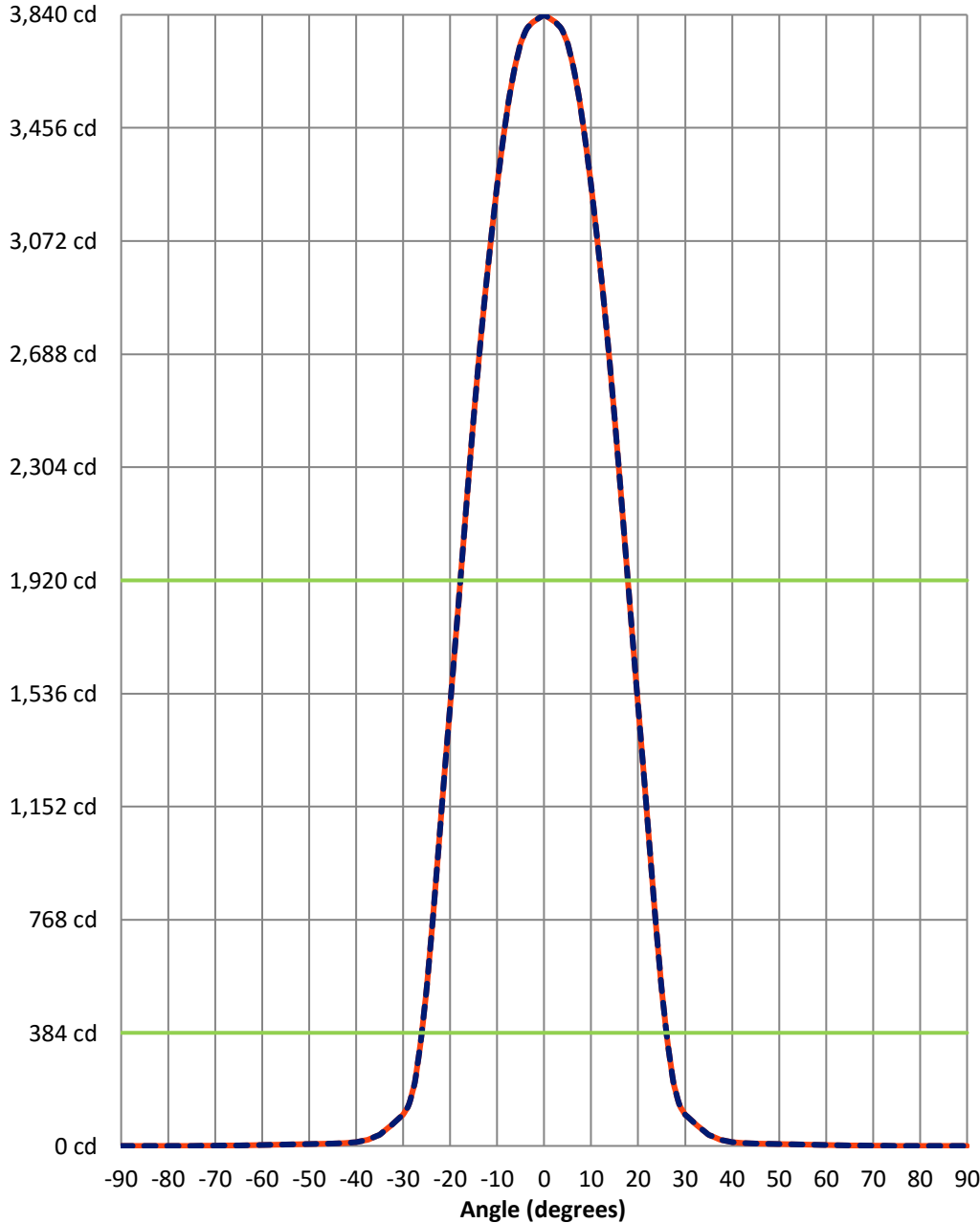
REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 35.6°
 V Angle: 35.6°
 Lumens: 877.5
 Efficiency: 66.7%

Field:
 H Angle: 52.1°
 V Angle: 52.1°
 Lumens: 1235.1
 Efficiency: 93.9%

Spill:
 Lumens: 80.7
 Efficiency: 6.1%

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



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	6
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	6	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	7
-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	6	6	6
-8.75°	2	3	3	3	4	4	5	5	6	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	6
-21.25°	2	2	2	3	3	4	4	4	5	5	5



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	6	6	6	6	7	7



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	7	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	8	8
28.75°	5	5	6	6	6	7	7	7	8	8	8
27.5°	5	5	6	6	6	7	7	7	8	8	9
26.25°	5	6	6	6	7	7	7	8	8	8	9
25°	5	6	6	6	7	7	7	8	8	9	9
23.75°	6	6	6	7	7	7	8	8	8	9	10
22.5°	6	6	6	7	7	7	8	8	9	9	11
21.25°	6	6	7	7	7	8	8	8	9	10	11
20°	6	6	7	7	7	8	8	9	9	11	12
18.75°	6	6	7	7	8	8	8	9	10	11	13
17.5°	6	7	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	8	8	9	9	10	12	14	18
12.5°	7	7	7	8	8	9	10	11	12	15	19
11.25°	7	7	7	8	8	9	10	11	13	16	20
10°	7	7	7	8	8	9	10	12	13	17	22
8.75°	7	7	7	8	8	9	10	12	14	18	23
7.5°	7	7	8	8	9	9	11	12	15	19	25
6.25°	7	7	8	8	9	9	11	12	16	20	26
5°	7	7	8	8	9	10	11	13	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	30
-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	10	11	13	16	20	27
-6.25°	7	7	8	8	9	9	11	12	16	20	26
-7.5°	7	7	8	8	9	9	11	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	12	13	17	22
-11.25°	7	7	7	8	8	9	10	11	13	16	20
-12.5°	7	7	7	8	8	9	10	11	12	15	19
-13.75°	6	7	7	8	8	9	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	7	7	7	8	8	9	9	10	12	14
-18.75°	6	6	7	7	8	8	8	9	10	11	13
-20°	6	6	7	7	7	8	8	9	9	11	12
-21.25°	6	6	7	7	7	8	8	8	9	10	11



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	11
-23.75°	6	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	8	8	8	9
-27.5°	5	5	6	6	6	7	7	7	8	8	9
-28.75°	5	5	6	6	6	7	7	7	8	8	8
-30°	5	5	5	6	6	6	7	7	7	8	8
-31.25°	5	5	5	6	6	6	6	7	7	7	8
-32.5°	4	5	5	5	6	6	6	7	7	7	7
-33.75°	4	5	5	5	5	6	6	6	7	7	7
-35°	4	4	5	5	5	6	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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	6	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°	6	6	6	6	6	7	7	7	7	7	7
41.25°	6	6	6	6	7	7	7	7	7	8	8
40°	6	6	7	7	7	7	7	8	8	8	8
38.75°	6	7	7	7	7	8	8	8	8	8	9
37.5°	7	7	7	7	8	8	8	8	9	9	9
36.25°	7	7	7	8	8	8	9	9	9	10	11
35°	7	7	8	8	8	9	9	10	10	11	12



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	14
32.5°	8	8	8	9	9	10	11	12	13	15	17
31.25°	8	8	9	9	10	11	12	13	15	18	20
30°	8	9	9	10	11	12	14	16	18	21	25
28.75°	9	9	10	11	12	14	16	19	22	27	32
27.5°	9	10	11	12	14	16	19	22	28	33	38
26.25°	10	11	12	13	16	19	22	28	34	40	50
25°	10	11	13	15	18	22	28	34	41	52	62
23.75°	11	12	15	18	21	27	33	40	52	63	74
22.5°	12	14	17	20	25	32	38	50	62	74	86
21.25°	13	15	19	23	30	37	48	60	72	86	98
20°	14	17	21	27	34	44	57	69	83	97	112
18.75°	16	19	24	32	39	52	66	80	94	108	129
17.5°	17	21	28	35	47	60	74	89	104	124	162
16.25°	19	24	32	40	54	68	83	98	117	150	216
15°	20	27	35	47	61	76	92	107	132	185	282
13.75°	22	30	38	53	67	83	99	119	158	239	360
12.5°	25	33	44	58	74	90	107	133	192	301	446
11.25°	28	36	48	64	80	97	116	154	237	365	530
10°	30	38	53	68	85	102	125	175	284	434	618
8.75°	32	41	57	73	90	108	139	210	334	500	698
7.5°	33	45	60	77	94	114	153	240	378	561	775
6.25°	35	48	63	80	98	120	166	269	425	619	842
5°	36	50	66	83	101	125	180	298	463	666	897
3.75°	37	52	68	86	104	129	196	322	494	703	943
2.5°	37	53	69	87	105	134	207	338	516	733	976
1.25°	38	54	70	88	106	138	214	348	529	750	996
0°	38	54	70	88	107	139	216	352	533	756	1003
-1.25°	38	54	70	88	106	138	214	348	529	750	996
-2.5°	37	53	69	87	105	134	207	338	516	733	976
-3.75°	37	52	68	86	104	129	196	322	494	703	943
-5°	36	50	66	83	101	125	180	298	463	666	897
-6.25°	35	48	63	80	98	120	166	269	425	619	842
-7.5°	33	45	60	77	94	114	153	240	378	561	775
-8.75°	32	41	57	73	90	108	139	210	334	500	698
-10°	30	38	53	68	85	102	125	175	284	434	618
-11.25°	28	36	48	64	80	97	116	154	237	365	530
-12.5°	25	33	44	58	74	90	107	133	192	301	446
-13.75°	22	30	38	53	67	83	99	119	158	239	360
-15°	20	27	35	47	61	76	92	107	132	185	282
-16.25°	19	24	32	40	54	68	83	98	117	150	216
-17.5°	17	21	28	35	47	60	74	89	104	124	162
-18.75°	16	19	24	32	39	52	66	80	94	108	129
-20°	14	17	21	27	34	44	57	69	83	97	112
-21.25°	13	15	19	23	30	37	48	60	72	86	98



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	14	17	20	25	32	38	50	62	74	86
-23.75°	11	12	15	18	21	27	33	40	52	63	74
-25°	10	11	13	15	18	22	28	34	41	52	62
-26.25°	10	11	12	13	16	19	22	28	34	40	50
-27.5°	9	10	11	12	14	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	14	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	15	17
-33.75°	7	8	8	8	9	9	10	11	11	12	14
-35°	7	7	8	8	8	9	9	10	10	11	12
-36.25°	7	7	7	8	8	8	9	9	9	10	11
-37.5°	7	7	7	7	8	8	8	8	9	9	9
-38.75°	6	7	7	7	7	8	8	8	8	8	9
-40°	6	6	7	7	7	7	7	8	8	8	8
-41.25°	6	6	6	6	7	7	7	7	7	8	8
-42.5°	6	6	6	6	6	7	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	6	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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	6
51.25°	5	5	5	5	5	6	6	6	6	6	6
50°	5	6	6	6	6	6	6	6	6	6	6
48.75°	6	6	6	6	6	6	6	7	7	7	7
47.5°	6	6	6	7	7	7	7	7	7	7	7
46.25°	7	7	7	7	7	7	7	7	7	7	7
45°	7	7	7	7	7	7	8	8	8	8	8
43.75°	7	7	8	8	8	8	8	8	8	8	8
42.5°	8	8	8	8	8	8	9	9	9	9	9
41.25°	8	8	8	9	9	9	9	10	10	10	10
40°	8	9	9	9	10	10	10	11	11	12	12
38.75°	9	9	10	10	11	11	12	12	13	13	14
37.5°	10	11	11	12	12	13	14	15	16	17	18
36.25°	11	12	13	14	15	17	18	19	20	22	23
35°	13	14	16	17	19	20	22	25	28	30	32



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	36	38	41
32.5°	19	21	24	28	32	35	38	44	48	53	57
31.25°	23	27	32	35	40	47	53	58	64	68	73
30°	30	34	39	47	54	61	67	74	80	85	90
28.75°	37	44	52	60	68	76	83	90	97	102	108
27.5°	48	57	66	74	83	92	99	107	116	125	139
26.25°	60	69	80	89	98	107	119	133	154	175	210
25°	72	83	94	104	117	132	158	192	237	284	334
23.75°	86	97	108	124	150	185	239	301	365	434	500
22.5°	98	112	129	162	216	282	360	446	530	618	698
21.25°	113	134	170	237	319	411	513	620	723	827	921
20°	134	173	247	341	449	566	689	815	935	1050	1153
18.75°	170	247	349	468	600	739	881	1022	1153	1272	1375
17.5°	237	341	468	612	765	923	1080	1226	1360	1478	1589
16.25°	319	449	600	765	937	1110	1271	1418	1555	1684	1806
15°	411	566	739	923	1110	1287	1448	1602	1752	1894	2018
13.75°	513	689	881	1080	1271	1448	1618	1786	1945	2090	2233
12.5°	620	815	1022	1226	1418	1602	1786	1962	2129	2293	2431
11.25°	723	935	1153	1360	1555	1752	1945	2129	2311	2469	2614
10°	827	1050	1272	1478	1684	1894	2090	2293	2469	2634	2778
8.75°	921	1153	1375	1589	1806	2018	2233	2431	2614	2778	2922
7.5°	1008	1244	1466	1688	1915	2134	2354	2554	2739	2902	3048
6.25°	1083	1321	1545	1776	2006	2239	2456	2662	2845	3009	3159
5°	1144	1382	1612	1851	2083	2324	2542	2747	2930	3098	3251
3.75°	1192	1430	1665	1909	2148	2387	2609	2815	2997	3168	3322
2.5°	1227	1465	1704	1950	2195	2433	2659	2861	3046	3219	3375
1.25°	1248	1486	1728	1974	2224	2462	2686	2889	3076	3250	3405
0°	1255	1493	1736	1983	2234	2471	2696	2899	3086	3261	3416
-1.25°	1248	1486	1728	1974	2224	2462	2686	2889	3076	3250	3405
-2.5°	1227	1465	1704	1950	2195	2433	2659	2861	3046	3219	3375
-3.75°	1192	1430	1665	1909	2148	2387	2609	2815	2997	3168	3322
-5°	1144	1382	1612	1851	2083	2324	2542	2747	2930	3098	3251
-6.25°	1083	1321	1545	1776	2006	2239	2456	2662	2845	3009	3159
-7.5°	1008	1244	1466	1688	1915	2134	2354	2554	2739	2902	3048
-8.75°	921	1153	1375	1589	1806	2018	2233	2431	2614	2778	2922
-10°	827	1050	1272	1478	1684	1894	2090	2293	2469	2634	2778
-11.25°	723	935	1153	1360	1555	1752	1945	2129	2311	2469	2614
-12.5°	620	815	1022	1226	1418	1602	1786	1962	2129	2293	2431
-13.75°	513	689	881	1080	1271	1448	1618	1786	1945	2090	2233
-15°	411	566	739	923	1110	1287	1448	1602	1752	1894	2018
-16.25°	319	449	600	765	937	1110	1271	1418	1555	1684	1806
-17.5°	237	341	468	612	765	923	1080	1226	1360	1478	1589
-18.75°	170	247	349	468	600	739	881	1022	1153	1272	1375
-20°	134	173	247	341	449	566	689	815	935	1050	1153
-21.25°	113	134	170	237	319	411	513	620	723	827	921



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	112	129	162	216	282	360	446	530	618	698
-23.75°	86	97	108	124	150	185	239	301	365	434	500
-25°	72	83	94	104	117	132	158	192	237	284	334
-26.25°	60	69	80	89	98	107	119	133	154	175	210
-27.5°	48	57	66	74	83	92	99	107	116	125	139
-28.75°	37	44	52	60	68	76	83	90	97	102	108
-30°	30	34	39	47	54	61	67	74	80	85	90
-31.25°	23	27	32	35	40	47	53	58	64	68	73
-32.5°	19	21	24	28	32	35	38	44	48	53	57
-33.75°	15	17	19	21	24	27	30	33	36	38	41
-35°	13	14	16	17	19	20	22	25	28	30	32
-36.25°	11	12	13	14	15	17	18	19	20	22	23
-37.5°	10	11	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	12	12
-41.25°	8	8	8	9	9	9	9	10	10	10	10
-42.5°	8	8	8	8	8	8	9	9	9	9	9
-43.75°	7	7	8	8	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	8	8	8	8	8
-46.25°	7	7	7	7	7	7	7	7	7	7	7
-47.5°	6	6	6	7	7	7	7	7	7	7	7
-48.75°	6	6	6	6	6	6	6	7	7	7	7
-50°	5	6	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	6
-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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°	6	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	6	6	6	6	6	6	7	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°	8	8	8	8	8	8	8	8	8	8	8
45°	8	8	8	8	8	8	8	8	8	8	8
43.75°	9	9	9	9	9	9	9	9	9	9	9
42.5°	9	9	10	10	10	10	10	10	10	10	10
41.25°	11	11	11	11	11	11	11	11	11	11	11
40°	12	12	13	13	13	13	13	13	13	13	13
38.75°	15	16	16	16	17	17	17	17	17	16	16
37.5°	19	20	20	20	21	21	21	21	21	20	20
36.25°	25	26	27	28	29	29	30	29	29	28	27
35°	33	35	36	37	37	38	38	38	37	37	36



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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°	45	48	50	52	53	54	54	54	53	52	50
32.5°	60	63	66	68	69	70	70	70	69	68	66
31.25°	77	80	83	86	87	88	88	88	87	86	83
30°	94	98	101	104	105	106	107	106	105	104	101
28.75°	114	120	125	129	134	138	139	138	134	129	125
27.5°	153	166	180	196	207	214	216	214	207	196	180
26.25°	240	269	298	322	338	348	352	348	338	322	298
25°	378	425	463	494	516	529	533	529	516	494	463
23.75°	561	619	666	703	733	750	756	750	733	703	666
22.5°	775	842	897	943	976	996	1003	996	976	943	897
21.25°	1008	1083	1144	1192	1227	1248	1255	1248	1227	1192	1144
20°	1244	1321	1382	1430	1465	1486	1493	1486	1465	1430	1382
18.75°	1466	1545	1612	1665	1704	1728	1736	1728	1704	1665	1612
17.5°	1688	1776	1851	1909	1950	1974	1983	1974	1950	1909	1851
16.25°	1915	2006	2083	2148	2195	2224	2234	2224	2195	2148	2083
15°	2134	2239	2324	2387	2433	2462	2471	2462	2433	2387	2324
13.75°	2354	2456	2542	2609	2659	2686	2696	2686	2659	2609	2542
12.5°	2554	2662	2747	2815	2861	2889	2899	2889	2861	2815	2747
11.25°	2739	2845	2930	2997	3046	3076	3086	3076	3046	2997	2930
10°	2902	3009	3098	3168	3219	3250	3261	3250	3219	3168	3098
8.75°	3048	3159	3251	3322	3375	3405	3416	3405	3375	3322	3251
7.5°	3179	3292	3386	3458	3511	3542	3552	3542	3511	3458	3386
6.25°	3292	3406	3502	3574	3624	3652	3662	3652	3624	3574	3502
5°	3386	3502	3596	3662	3707	3733	3743	3733	3707	3662	3596
3.75°	3458	3574	3662	3724	3765	3788	3792	3788	3765	3724	3662
2.5°	3511	3624	3707	3765	3797	3810	3813	3810	3797	3765	3707
1.25°	3542	3652	3733	3788	3810	3821	3827	3821	3810	3788	3733
0°	3552	3662	3743	3792	3813	3827	3840	3827	3813	3792	3743
-1.25°	3542	3652	3733	3788	3810	3821	3827	3821	3810	3788	3733
-2.5°	3511	3624	3707	3765	3797	3810	3813	3810	3797	3765	3707
-3.75°	3458	3574	3662	3724	3765	3788	3792	3788	3765	3724	3662
-5°	3386	3502	3596	3662	3707	3733	3743	3733	3707	3662	3596
-6.25°	3292	3406	3502	3574	3624	3652	3662	3652	3624	3574	3502
-7.5°	3179	3292	3386	3458	3511	3542	3552	3542	3511	3458	3386
-8.75°	3048	3159	3251	3322	3375	3405	3416	3405	3375	3322	3251
-10°	2902	3009	3098	3168	3219	3250	3261	3250	3219	3168	3098
-11.25°	2739	2845	2930	2997	3046	3076	3086	3076	3046	2997	2930
-12.5°	2554	2662	2747	2815	2861	2889	2899	2889	2861	2815	2747
-13.75°	2354	2456	2542	2609	2659	2686	2696	2686	2659	2609	2542
-15°	2134	2239	2324	2387	2433	2462	2471	2462	2433	2387	2324
-16.25°	1915	2006	2083	2148	2195	2224	2234	2224	2195	2148	2083
-17.5°	1688	1776	1851	1909	1950	1974	1983	1974	1950	1909	1851
-18.75°	1466	1545	1612	1665	1704	1728	1736	1728	1704	1665	1612
-20°	1244	1321	1382	1430	1465	1486	1493	1486	1465	1430	1382
-21.25°	1008	1083	1144	1192	1227	1248	1255	1248	1227	1192	1144



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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°	775	842	897	943	976	996	1003	996	976	943	897
-23.75°	561	619	666	703	733	750	756	750	733	703	666
-25°	378	425	463	494	516	529	533	529	516	494	463
-26.25°	240	269	298	322	338	348	352	348	338	322	298
-27.5°	153	166	180	196	207	214	216	214	207	196	180
-28.75°	114	120	125	129	134	138	139	138	134	129	125
-30°	94	98	101	104	105	106	107	106	105	104	101
-31.25°	77	80	83	86	87	88	88	88	87	86	83
-32.5°	60	63	66	68	69	70	70	70	69	68	66
-33.75°	45	48	50	52	53	54	54	54	53	52	50
-35°	33	35	36	37	37	38	38	38	37	37	36
-36.25°	25	26	27	28	29	29	30	29	29	28	27
-37.5°	19	20	20	20	21	21	21	21	21	20	20
-38.75°	15	16	16	16	17	17	17	17	17	16	16
-40°	12	12	13	13	13	13	13	13	13	13	13
-41.25°	11	11	11	11	11	11	11	11	11	11	11
-42.5°	9	9	10	10	10	10	10	10	10	10	10
-43.75°	9	9	9	9	9	9	9	9	9	9	9
-45°	8	8	8	8	8	8	8	8	8	8	8
-46.25°	8	8	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	7	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	6	6	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	7	7	6	6	6	6	6
47.5°	7	7	7	7	7	7	7	7	7	7	6
46.25°	8	8	7	7	7	7	7	7	7	7	7
45°	8	8	8	8	8	8	8	7	7	7	7
43.75°	9	9	8	8	8	8	8	8	8	8	8
42.5°	9	9	9	9	9	9	9	8	8	8	8
41.25°	11	11	10	10	10	10	9	9	9	9	8
40°	12	12	12	12	11	11	10	10	10	9	9
38.75°	16	15	14	13	13	12	12	11	11	10	10
37.5°	20	19	18	17	16	15	14	13	12	12	11
36.25°	26	25	23	22	20	19	18	17	15	14	13
35°	35	33	32	30	28	25	22	20	19	17	16



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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°	48	45	41	38	36	33	30	27	24	21	19
32.5°	63	60	57	53	48	44	38	35	32	28	24
31.25°	80	77	73	68	64	58	53	47	40	35	32
30°	98	94	90	85	80	74	67	61	54	47	39
28.75°	120	114	108	102	97	90	83	76	68	60	52
27.5°	166	153	139	125	116	107	99	92	83	74	66
26.25°	269	240	210	175	154	133	119	107	98	89	80
25°	425	378	334	284	237	192	158	132	117	104	94
23.75°	619	561	500	434	365	301	239	185	150	124	108
22.5°	842	775	698	618	530	446	360	282	216	162	129
21.25°	1083	1008	921	827	723	620	513	411	319	237	170
20°	1321	1244	1153	1050	935	815	689	566	449	341	247
18.75°	1545	1466	1375	1272	1153	1022	881	739	600	468	349
17.5°	1776	1688	1589	1478	1360	1226	1080	923	765	612	468
16.25°	2006	1915	1806	1684	1555	1418	1271	1110	937	765	600
15°	2239	2134	2018	1894	1752	1602	1448	1287	1110	923	739
13.75°	2456	2354	2233	2090	1945	1786	1618	1448	1271	1080	881
12.5°	2662	2554	2431	2293	2129	1962	1786	1602	1418	1226	1022
11.25°	2845	2739	2614	2469	2311	2129	1945	1752	1555	1360	1153
10°	3009	2902	2778	2634	2469	2293	2090	1894	1684	1478	1272
8.75°	3159	3048	2922	2778	2614	2431	2233	2018	1806	1589	1375
7.5°	3292	3179	3048	2902	2739	2554	2354	2134	1915	1688	1466
6.25°	3406	3292	3159	3009	2845	2662	2456	2239	2006	1776	1545
5°	3502	3386	3251	3098	2930	2747	2542	2324	2083	1851	1612
3.75°	3574	3458	3322	3168	2997	2815	2609	2387	2148	1909	1665
2.5°	3624	3511	3375	3219	3046	2861	2659	2433	2195	1950	1704
1.25°	3652	3542	3405	3250	3076	2889	2686	2462	2224	1974	1728
0°	3662	3552	3416	3261	3086	2899	2696	2471	2234	1983	1736
-1.25°	3652	3542	3405	3250	3076	2889	2686	2462	2224	1974	1728
-2.5°	3624	3511	3375	3219	3046	2861	2659	2433	2195	1950	1704
-3.75°	3574	3458	3322	3168	2997	2815	2609	2387	2148	1909	1665
-5°	3502	3386	3251	3098	2930	2747	2542	2324	2083	1851	1612
-6.25°	3406	3292	3159	3009	2845	2662	2456	2239	2006	1776	1545
-7.5°	3292	3179	3048	2902	2739	2554	2354	2134	1915	1688	1466
-8.75°	3159	3048	2922	2778	2614	2431	2233	2018	1806	1589	1375
-10°	3009	2902	2778	2634	2469	2293	2090	1894	1684	1478	1272
-11.25°	2845	2739	2614	2469	2311	2129	1945	1752	1555	1360	1153
-12.5°	2662	2554	2431	2293	2129	1962	1786	1602	1418	1226	1022
-13.75°	2456	2354	2233	2090	1945	1786	1618	1448	1271	1080	881
-15°	2239	2134	2018	1894	1752	1602	1448	1287	1110	923	739
-16.25°	2006	1915	1806	1684	1555	1418	1271	1110	937	765	600
-17.5°	1776	1688	1589	1478	1360	1226	1080	923	765	612	468
-18.75°	1545	1466	1375	1272	1153	1022	881	739	600	468	349
-20°	1321	1244	1153	1050	935	815	689	566	449	341	247
-21.25°	1083	1008	921	827	723	620	513	411	319	237	170



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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°	842	775	698	618	530	446	360	282	216	162	129
-23.75°	619	561	500	434	365	301	239	185	150	124	108
-25°	425	378	334	284	237	192	158	132	117	104	94
-26.25°	269	240	210	175	154	133	119	107	98	89	80
-27.5°	166	153	139	125	116	107	99	92	83	74	66
-28.75°	120	114	108	102	97	90	83	76	68	60	52
-30°	98	94	90	85	80	74	67	61	54	47	39
-31.25°	80	77	73	68	64	58	53	47	40	35	32
-32.5°	63	60	57	53	48	44	38	35	32	28	24
-33.75°	48	45	41	38	36	33	30	27	24	21	19
-35°	35	33	32	30	28	25	22	20	19	17	16
-36.25°	26	25	23	22	20	19	18	17	15	14	13
-37.5°	20	19	18	17	16	15	14	13	12	12	11
-38.75°	16	15	14	13	13	12	12	11	11	10	10
-40°	12	12	12	12	11	11	10	10	10	9	9
-41.25°	11	11	10	10	10	10	9	9	9	9	8
-42.5°	9	9	9	9	9	9	9	8	8	8	8
-43.75°	9	9	8	8	8	8	8	8	8	8	8
-45°	8	8	8	8	8	8	8	7	7	7	7
-46.25°	8	8	7	7	7	7	7	7	7	7	7
-47.5°	7	7	7	7	7	7	7	7	7	7	6
-48.75°	7	7	7	7	7	7	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	6	6	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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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°	6	5	5	5	5	5	5	5	4	4	4
48.75°	6	6	6	6	5	5	5	5	5	5	4
47.5°	6	6	6	6	6	6	5	5	5	5	5
46.25°	7	7	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	8	7	7	7	7	7	7	6	6	6
41.25°	8	8	8	8	7	7	7	7	7	6	6
40°	9	8	8	8	8	8	7	7	7	7	7
38.75°	9	9	9	8	8	8	8	8	7	7	7
37.5°	11	10	9	9	9	8	8	8	8	7	7
36.25°	12	11	11	10	9	9	9	8	8	8	7
35°	14	13	12	11	10	10	9	9	8	8	8



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	14	12	11	11	10	9	9	8	8
32.5°	21	19	17	15	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	14	12	11	10	9
28.75°	44	37	32	27	22	19	16	14	12	11	10
27.5°	57	48	38	33	28	22	19	16	14	12	11
26.25°	69	60	50	40	34	28	22	19	16	13	12
25°	83	72	62	52	41	34	28	22	18	15	13
23.75°	97	86	74	63	52	40	33	27	21	18	15
22.5°	112	98	86	74	62	50	38	32	25	20	17
21.25°	134	113	98	86	72	60	48	37	30	23	19
20°	173	134	112	97	83	69	57	44	34	27	21
18.75°	247	170	129	108	94	80	66	52	39	32	24
17.5°	341	237	162	124	104	89	74	60	47	35	28
16.25°	449	319	216	150	117	98	83	68	54	40	32
15°	566	411	282	185	132	107	92	76	61	47	35
13.75°	689	513	360	239	158	119	99	83	67	53	38
12.5°	815	620	446	301	192	133	107	90	74	58	44
11.25°	935	723	530	365	237	154	116	97	80	64	48
10°	1050	827	618	434	284	175	125	102	85	68	53
8.75°	1153	921	698	500	334	210	139	108	90	73	57
7.5°	1244	1008	775	561	378	240	153	114	94	77	60
6.25°	1321	1083	842	619	425	269	166	120	98	80	63
5°	1382	1144	897	666	463	298	180	125	101	83	66
3.75°	1430	1192	943	703	494	322	196	129	104	86	68
2.5°	1465	1227	976	733	516	338	207	134	105	87	69
1.25°	1486	1248	996	750	529	348	214	138	106	88	70
0°	1493	1255	1003	756	533	352	216	139	107	88	70
-1.25°	1486	1248	996	750	529	348	214	138	106	88	70
-2.5°	1465	1227	976	733	516	338	207	134	105	87	69
-3.75°	1430	1192	943	703	494	322	196	129	104	86	68
-5°	1382	1144	897	666	463	298	180	125	101	83	66
-6.25°	1321	1083	842	619	425	269	166	120	98	80	63
-7.5°	1244	1008	775	561	378	240	153	114	94	77	60
-8.75°	1153	921	698	500	334	210	139	108	90	73	57
-10°	1050	827	618	434	284	175	125	102	85	68	53
-11.25°	935	723	530	365	237	154	116	97	80	64	48
-12.5°	815	620	446	301	192	133	107	90	74	58	44
-13.75°	689	513	360	239	158	119	99	83	67	53	38
-15°	566	411	282	185	132	107	92	76	61	47	35
-16.25°	449	319	216	150	117	98	83	68	54	40	32
-17.5°	341	237	162	124	104	89	74	60	47	35	28
-18.75°	247	170	129	108	94	80	66	52	39	32	24
-20°	173	134	112	97	83	69	57	44	34	27	21
-21.25°	134	113	98	86	72	60	48	37	30	23	19



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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°	112	98	86	74	62	50	38	32	25	20	17
-23.75°	97	86	74	63	52	40	33	27	21	18	15
-25°	83	72	62	52	41	34	28	22	18	15	13
-26.25°	69	60	50	40	34	28	22	19	16	13	12
-27.5°	57	48	38	33	28	22	19	16	14	12	11
-28.75°	44	37	32	27	22	19	16	14	12	11	10
-30°	34	30	25	21	18	16	14	12	11	10	9
-31.25°	27	23	20	18	15	13	12	11	10	9	9
-32.5°	21	19	17	15	13	12	11	10	9	9	8
-33.75°	17	15	14	12	11	11	10	9	9	8	8
-35°	14	13	12	11	10	10	9	9	8	8	8
-36.25°	12	11	11	10	9	9	9	8	8	8	7
-37.5°	11	10	9	9	9	8	8	8	8	7	7
-38.75°	9	9	9	8	8	8	8	8	7	7	7
-40°	9	8	8	8	8	8	7	7	7	7	7
-41.25°	8	8	8	8	7	7	7	7	7	6	6
-42.5°	8	8	7	7	7	7	7	7	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	7	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	6	5	5	5	5	5	5	4
-50°	6	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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	6	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	6	5	5	5



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	7	6	6	6	5	5
31.25°	8	8	8	7	7	7	6	6	6	6	5
30°	9	8	8	8	7	7	7	6	6	6	5
28.75°	9	9	8	8	8	7	7	7	6	6	6
27.5°	10	9	9	8	8	7	7	7	6	6	6
26.25°	11	10	9	8	8	8	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°	14	12	11	9	9	8	8	7	7	7	6
21.25°	15	13	11	10	9	8	8	8	7	7	7
20°	17	14	12	11	9	9	8	8	7	7	7
18.75°	19	16	13	11	10	9	8	8	8	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	9	8	8	7
12.5°	33	25	19	15	12	11	10	9	8	8	7
11.25°	36	28	20	16	13	11	10	9	8	8	7
10°	38	30	22	17	13	12	10	9	8	8	7
8.75°	41	32	23	18	14	12	10	9	8	8	7
7.5°	45	33	25	19	15	12	11	9	9	8	8
6.25°	48	35	26	20	16	12	11	9	9	8	8
5°	50	36	27	20	16	13	11	10	9	8	8
3.75°	52	37	28	20	16	13	11	10	9	8	8
2.5°	53	37	29	21	17	13	11	10	9	8	8
1.25°	54	38	29	21	17	13	11	10	9	8	8
0°	54	38	30	21	17	13	11	10	9	8	8
-1.25°	54	38	29	21	17	13	11	10	9	8	8
-2.5°	53	37	29	21	17	13	11	10	9	8	8
-3.75°	52	37	28	20	16	13	11	10	9	8	8
-5°	50	36	27	20	16	13	11	10	9	8	8
-6.25°	48	35	26	20	16	12	11	9	9	8	8
-7.5°	45	33	25	19	15	12	11	9	9	8	8
-8.75°	41	32	23	18	14	12	10	9	8	8	7
-10°	38	30	22	17	13	12	10	9	8	8	7
-11.25°	36	28	20	16	13	11	10	9	8	8	7
-12.5°	33	25	19	15	12	11	10	9	8	8	7
-13.75°	30	22	18	14	12	10	9	9	8	8	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	8	7	7
-20°	17	14	12	11	9	9	8	8	7	7	7
-21.25°	15	13	11	10	9	8	8	8	7	7	7



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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°	14	12	11	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	10	9	8	8	8	7	7	7	6	6
-27.5°	10	9	9	8	8	7	7	7	6	6	6
-28.75°	9	9	8	8	8	7	7	7	6	6	6
-30°	9	8	8	8	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	7	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	6	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	6	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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	6	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	6	5	5	4	4	4	3	3	3
18.75°	6	6	6	5	5	4	4	4	3	3	3
17.5°	7	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	7	6	6	5	5	4	4	4	3	3
11.25°	7	7	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	6	5	5	4	4	3	3
7.5°	7	7	6	6	6	5	5	4	4	4	3
6.25°	7	7	6	6	6	5	5	4	4	4	3
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	7	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	6	5	5	4	4	4	3
-8.75°	7	7	6	6	6	5	5	4	4	3	3
-10°	7	7	6	6	5	5	5	4	4	3	3
-11.25°	7	7	6	6	5	5	5	4	4	3	3
-12.5°	7	7	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°	7	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	6	5	5	4	4	4	3	3	3
-21.25°	6	6	5	5	5	4	4	4	3	3	2



REPORT NUMBER: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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	6	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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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: P220546 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-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)