

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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

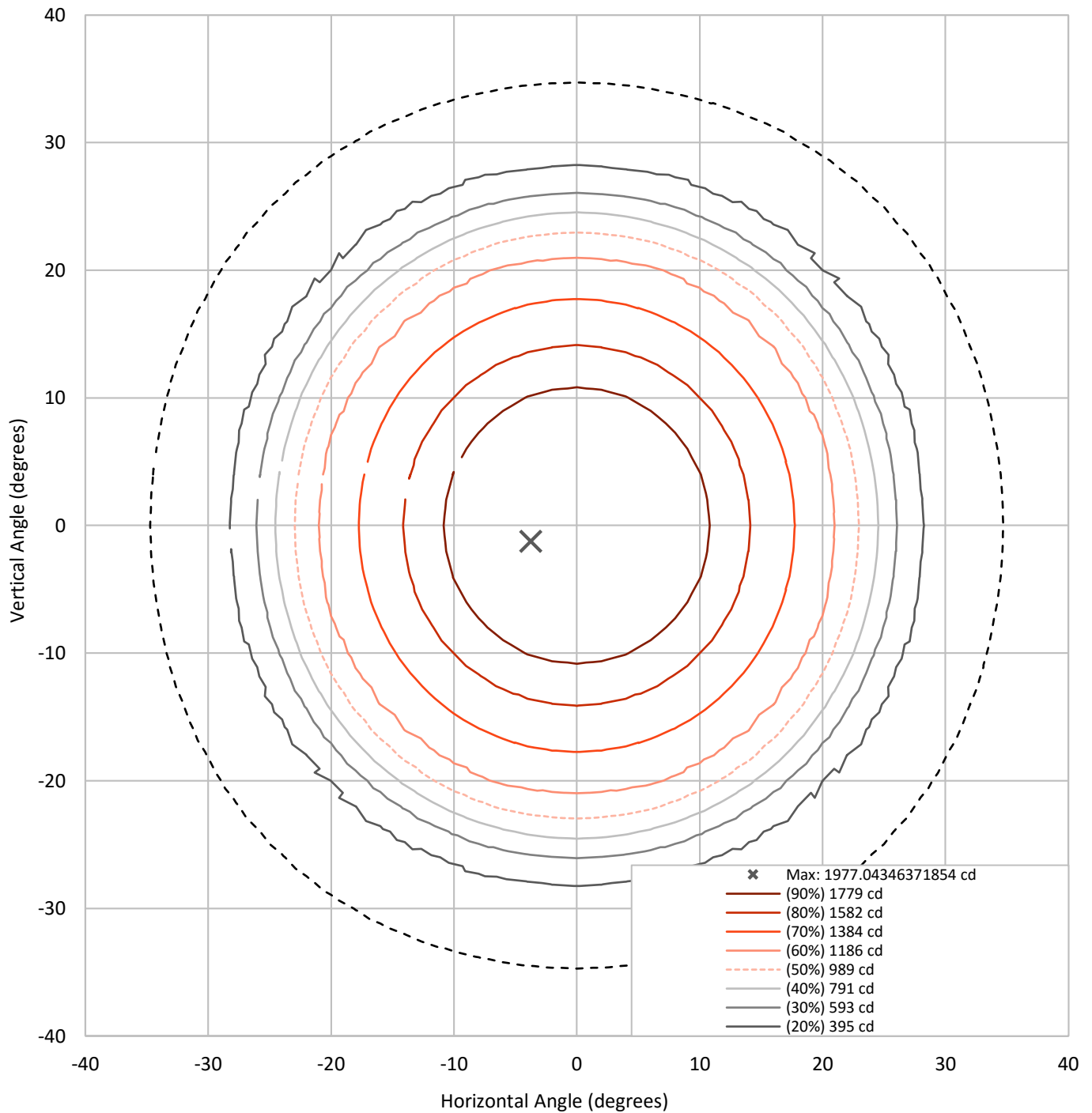
Test Method: LM-79-08
Report Number: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE
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:	1105.4 lumens	Max Intensity:	1977 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	55.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46°H x 45.5°V	Field Angle (10%):	69.2°H x 69°V
Beam Lumens:	747.3 lumens	Field Lumens:	1012.9 lumens
Beam Efficiency:	67.6%	Field Efficiency:	91.6%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV

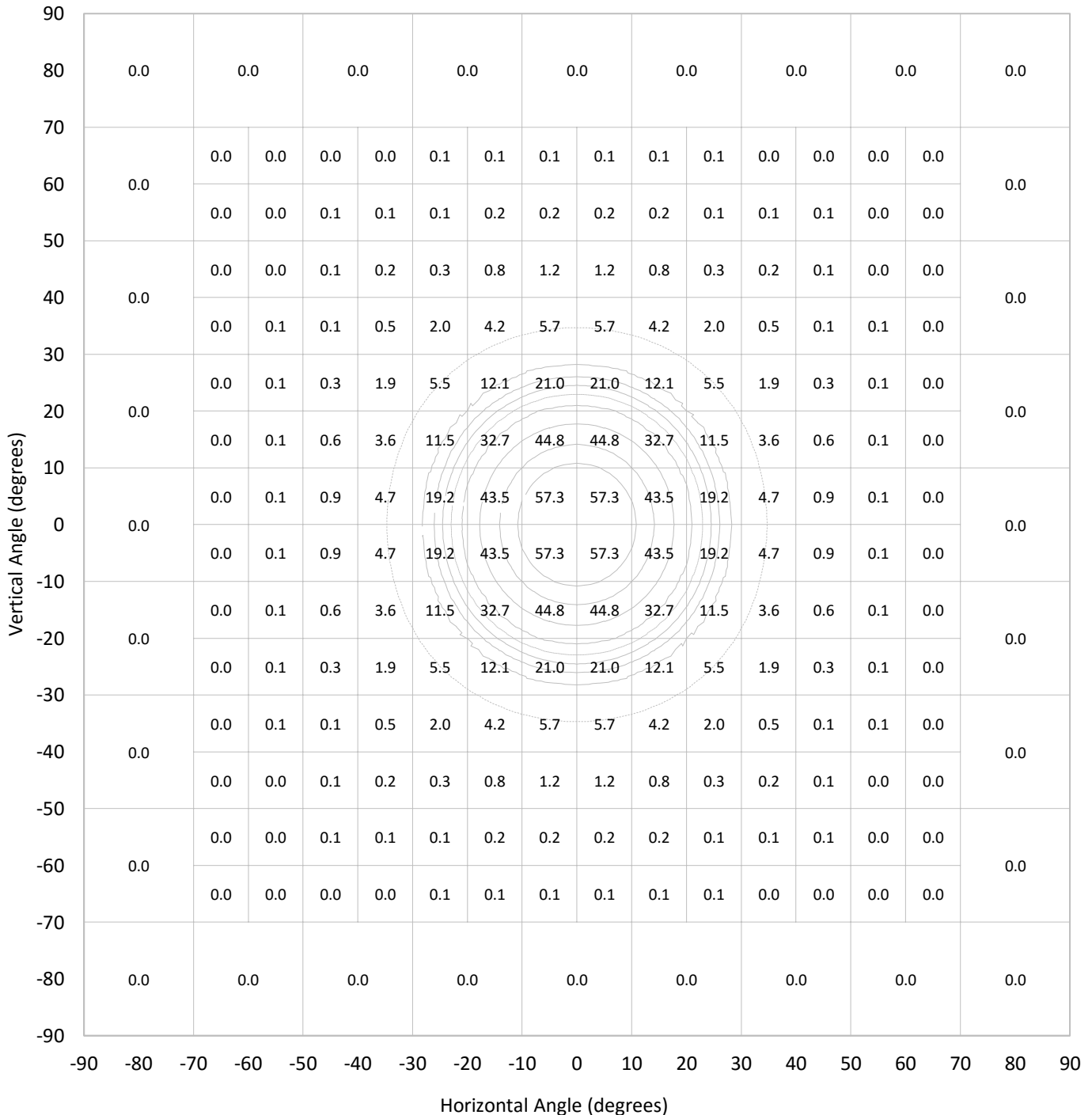
Iso-Candela Plot





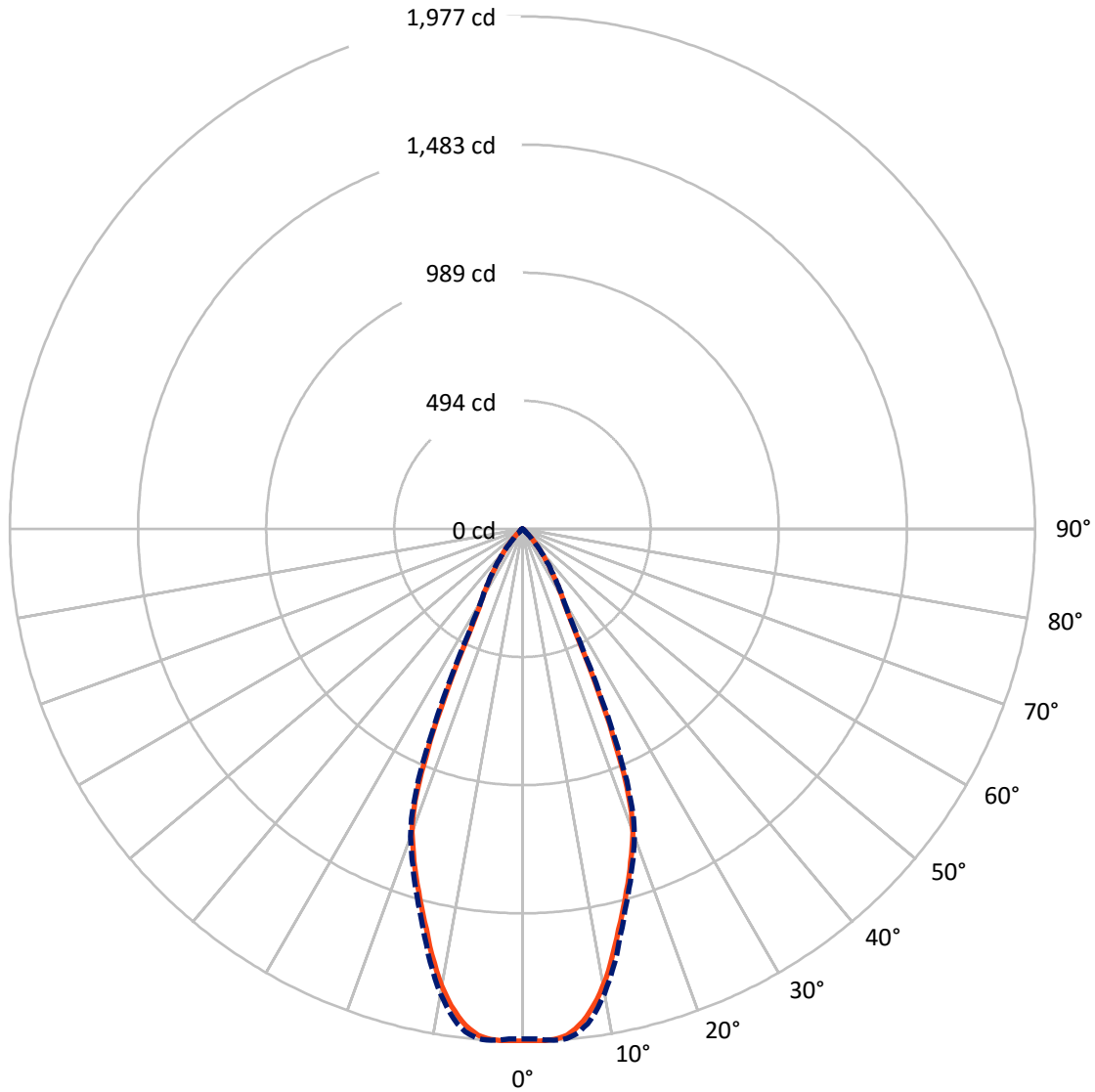
REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV

Lumen Table



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV

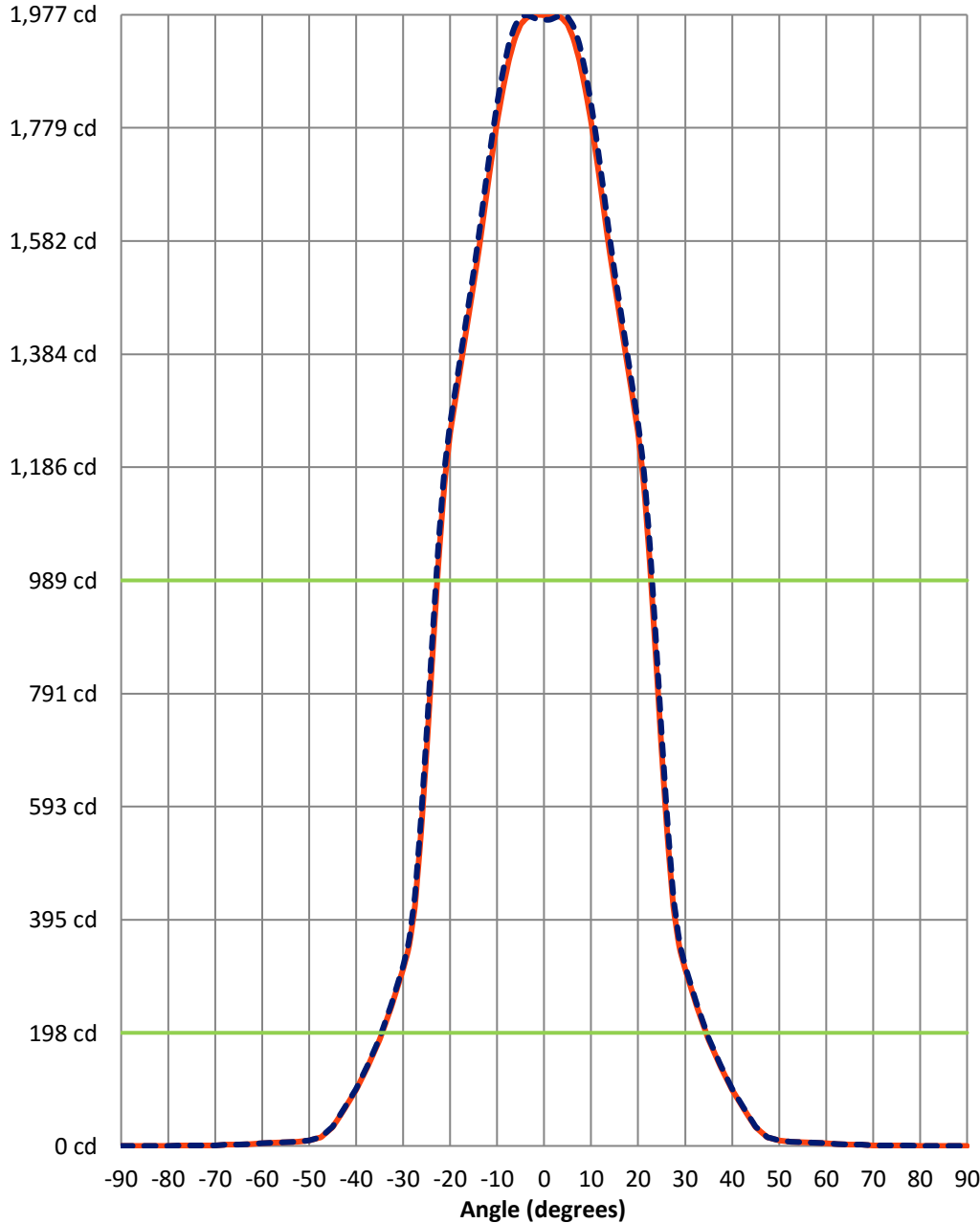
Luminous Intensity Polar Plot



— Vertical Distribution Through -3.75-Deg - - - Horizontal Distribution Through -1.25-Deg

REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 46°
 V Angle: 45.5°
 Lumens: 747.3
 Efficiency: 67.6%

Field:
 H Angle: 69.2°
 V Angle: 69°
 Lumens: 1012.9
 Efficiency: 91.6%

Spill:
 Lumens: 92.5
 Efficiency: 8.4%

— Vertical Distribution through -3.75-Deg
 - - Horizontal Distribution through -1.25-Deg



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1
20°	0	0	0	0	0	0	0	0	0	0	1
18.75°	0	0	0	0	0	0	0	0	0	0	1
17.5°	0	0	0	0	0	0	0	0	0	0	1
16.25°	0	0	0	0	0	0	0	0	0	0	1
15°	0	0	0	0	0	0	0	0	0	0	1
13.75°	0	0	0	0	0	0	0	0	0	0	1
12.5°	0	0	0	0	0	0	0	0	0	0	1
11.25°	0	0	0	0	0	0	0	0	0	0	1
10°	0	0	0	0	0	0	0	0	0	0	1
8.75°	0	0	0	0	0	0	0	0	0	0	1
7.5°	0	0	0	0	0	0	0	0	0	0	1
6.25°	0	0	0	0	0	0	0	0	0	0	1
5°	0	0	0	0	0	0	0	0	0	0	1
3.75°	0	0	0	0	0	0	0	0	0	0	1
2.5°	0	0	0	0	0	0	0	0	0	0	1
1.25°	0	0	0	0	0	0	0	0	0	0	1
0°	0	0	0	0	0	0	0	0	0	0	1
-1.25°	0	0	0	0	0	0	0	0	0	0	1
-2.5°	0	0	0	0	0	0	0	0	0	0	1
-3.75°	0	0	0	0	0	0	0	0	0	0	1
-5°	0	0	0	0	0	0	0	0	0	0	1
-6.25°	0	0	0	0	0	0	0	0	0	0	1
-7.5°	0	0	0	0	0	0	0	0	0	0	1
-8.75°	0	0	0	0	0	0	0	0	0	0	1
-10°	0	0	0	0	0	0	0	0	0	0	1
-11.25°	0	0	0	0	0	0	0	0	0	0	1
-12.5°	0	0	0	0	0	0	0	0	0	0	1
-13.75°	0	0	0	0	0	0	0	0	0	0	1
-15°	0	0	0	0	0	0	0	0	0	0	1
-16.25°	0	0	0	0	0	0	0	0	0	0	1
-17.5°	0	0	0	0	0	0	0	0	0	0	1
-18.75°	0	0	0	0	0	0	0	0	0	0	1
-20°	0	0	0	0	0	0	0	0	0	0	1
-21.25°	0	0	0	0	0	0	0	0	0	0	1



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1
61.25°	0	0	0	0	0	0	0	0	0	1	1
60°	0	0	0	0	0	0	0	0	1	1	1
58.75°	0	0	0	0	0	0	0	0	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
56.25°	0	0	0	0	0	0	1	1	1	1	1
55°	0	0	0	0	0	0	1	1	1	1	1
53.75°	0	0	0	0	0	1	1	1	1	1	1
52.5°	0	0	0	0	0	1	1	1	1	1	1
51.25°	0	0	0	0	1	1	1	1	1	1	1
50°	0	0	0	0	1	1	1	1	1	1	1
48.75°	0	0	0	0	1	1	1	1	1	1	1
47.5°	0	0	0	1	1	1	1	1	1	1	1
46.25°	0	0	0	1	1	1	1	1	1	1	1
45°	0	0	0	1	1	1	1	1	1	1	1
43.75°	0	0	1	1	1	1	1	1	1	1	1
42.5°	0	0	1	1	1	1	1	1	1	1	1
41.25°	0	0	1	1	1	1	1	1	1	1	1
40°	0	0	1	1	1	1	1	1	1	1	1
38.75°	0	1	1	1	1	1	1	1	1	1	1
37.5°	0	1	1	1	1	1	1	1	1	1	1
36.25°	0	1	1	1	1	1	1	1	1	1	1
35°	0	1	1	1	1	1	1	1	1	1	2



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	1	1	1	1	1	1	1	1	2
32.5°	1	1	1	1	1	1	1	1	1	1	2
31.25°	1	1	1	1	1	1	1	1	1	2	2
30°	1	1	1	1	1	1	1	1	1	2	2
28.75°	1	1	1	1	1	1	1	1	1	2	2
27.5°	1	1	1	1	1	1	1	1	1	2	2
26.25°	1	1	1	1	1	1	1	1	2	2	2
25°	1	1	1	1	1	1	1	1	2	2	2
23.75°	1	1	1	1	1	1	1	1	2	2	2
22.5°	1	1	1	1	1	1	1	1	2	2	2
21.25°	1	1	1	1	1	1	1	1	2	2	2
20°	1	1	1	1	1	1	1	1	2	2	2
18.75°	1	1	1	1	1	1	1	2	2	2	2
17.5°	1	1	1	1	1	1	1	2	2	2	2
16.25°	1	1	1	1	1	1	1	2	2	2	2
15°	1	1	1	1	1	1	1	2	2	2	2
13.75°	1	1	1	1	1	1	1	2	2	2	3
12.5°	1	1	1	1	1	1	1	2	2	2	3
11.25°	1	1	1	1	1	1	1	2	2	2	3
10°	1	1	1	1	1	1	1	2	2	2	3
8.75°	1	1	1	1	1	1	1	2	2	2	3
7.5°	1	1	1	1	1	1	1	2	2	2	3
6.25°	1	1	1	1	1	1	2	2	2	2	3
5°	1	1	1	1	1	1	2	2	2	2	3
3.75°	1	1	1	1	1	1	2	2	2	2	3
2.5°	1	1	1	1	1	1	2	2	2	2	3
1.25°	1	1	1	1	1	1	2	2	2	2	3
0°	1	1	1	1	1	1	2	2	2	2	3
-1.25°	1	1	1	1	1	1	2	2	2	2	3
-2.5°	1	1	1	1	1	1	2	2	2	2	3
-3.75°	1	1	1	1	1	1	2	2	2	2	3
-5°	1	1	1	1	1	1	2	2	2	2	3
-6.25°	1	1	1	1	1	1	2	2	2	2	3
-7.5°	1	1	1	1	1	1	1	2	2	2	3
-8.75°	1	1	1	1	1	1	1	2	2	2	3
-10°	1	1	1	1	1	1	1	2	2	2	3
-11.25°	1	1	1	1	1	1	1	2	2	2	3
-12.5°	1	1	1	1	1	1	1	2	2	2	3
-13.75°	1	1	1	1	1	1	1	2	2	2	3
-15°	1	1	1	1	1	1	1	2	2	2	2
-16.25°	1	1	1	1	1	1	1	2	2	2	2
-17.5°	1	1	1	1	1	1	1	2	2	2	2
-18.75°	1	1	1	1	1	1	1	2	2	2	2
-20°	1	1	1	1	1	1	1	1	2	2	2
-21.25°	1	1	1	1	1	1	1	1	2	2	2



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	1	1	1	1	1	1	1	2	2	2
-23.75°	1	1	1	1	1	1	1	1	2	2	2
-25°	1	1	1	1	1	1	1	1	2	2	2
-26.25°	1	1	1	1	1	1	1	1	2	2	2
-27.5°	1	1	1	1	1	1	1	1	1	2	2
-28.75°	1	1	1	1	1	1	1	1	1	2	2
-30°	1	1	1	1	1	1	1	1	1	2	2
-31.25°	1	1	1	1	1	1	1	1	1	2	2
-32.5°	1	1	1	1	1	1	1	1	1	1	2
-33.75°	0	1	1	1	1	1	1	1	1	1	2
-35°	0	1	1	1	1	1	1	1	1	1	2
-36.25°	0	1	1	1	1	1	1	1	1	1	1
-37.5°	0	1	1	1	1	1	1	1	1	1	1
-38.75°	0	1	1	1	1	1	1	1	1	1	1
-40°	0	0	1	1	1	1	1	1	1	1	1
-41.25°	0	0	1	1	1	1	1	1	1	1	1
-42.5°	0	0	1	1	1	1	1	1	1	1	1
-43.75°	0	0	1	1	1	1	1	1	1	1	1
-45°	0	0	0	1	1	1	1	1	1	1	1
-46.25°	0	0	0	1	1	1	1	1	1	1	1
-47.5°	0	0	0	1	1	1	1	1	1	1	1
-48.75°	0	0	0	0	1	1	1	1	1	1	1
-50°	0	0	0	0	1	1	1	1	1	1	1
-51.25°	0	0	0	0	1	1	1	1	1	1	1
-52.5°	0	0	0	0	0	1	1	1	1	1	1
-53.75°	0	0	0	0	0	1	1	1	1	1	1
-55°	0	0	0	0	0	0	1	1	1	1	1
-56.25°	0	0	0	0	0	0	1	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-58.75°	0	0	0	0	0	0	0	0	1	1	1
-60°	0	0	0	0	0	0	0	0	1	1	1
-61.25°	0	0	0	0	0	0	0	0	0	1	1
-62.5°	0	0	0	0	0	0	0	0	0	0	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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	1
70°	0	0	0	0	0	0	0	1	1	1	1
68.75°	0	0	0	0	0	1	1	1	1	1	1
67.5°	0	0	0	0	1	1	1	1	1	1	1
66.25°	0	0	1	1	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	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
56.25°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	2
53.75°	1	1	1	1	1	1	1	1	2	2	2
52.5°	1	1	1	1	1	1	1	2	2	2	2
51.25°	1	1	1	1	1	1	1	2	2	2	2
50°	1	1	1	1	1	1	2	2	2	2	2
48.75°	1	1	1	1	1	2	2	2	2	2	2
47.5°	1	1	1	1	2	2	2	2	2	2	3
46.25°	1	1	1	1	2	2	2	2	2	3	3
45°	1	1	1	2	2	2	2	2	3	3	3
43.75°	1	1	2	2	2	2	2	2	3	3	3
42.5°	1	1	2	2	2	2	2	3	3	3	4
41.25°	1	2	2	2	2	2	3	3	3	4	4
40°	1	2	2	2	2	2	3	3	3	4	4
38.75°	2	2	2	2	2	3	3	3	4	4	5
37.5°	2	2	2	2	2	3	3	4	4	5	5
36.25°	2	2	2	2	3	3	3	4	4	5	5
35°	2	2	2	2	3	3	4	4	5	5	5



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	3	3	4	5	5	6	6	6	7	7
-23.75°	2	3	3	4	4	5	5	6	6	6	7
-25°	2	3	3	4	4	5	5	6	6	6	7
-26.25°	2	3	3	3	4	5	5	6	6	6	7
-27.5°	2	2	3	3	4	4	5	5	6	6	6
-28.75°	2	2	3	3	4	4	5	5	6	6	6
-30°	2	2	3	3	3	4	5	5	5	6	6
-31.25°	2	2	2	3	3	4	4	5	5	6	6
-32.5°	2	2	2	3	3	3	4	5	5	5	6
-33.75°	2	2	2	3	3	3	4	4	5	5	6
-35°	2	2	2	2	3	3	4	4	5	5	5
-36.25°	2	2	2	2	3	3	3	4	4	5	5
-37.5°	2	2	2	2	2	3	3	4	4	5	5
-38.75°	2	2	2	2	2	3	3	3	4	4	5
-40°	1	2	2	2	2	2	3	3	3	4	4
-41.25°	1	2	2	2	2	2	3	3	3	4	4
-42.5°	1	1	2	2	2	2	2	3	3	3	4
-43.75°	1	1	2	2	2	2	2	2	3	3	3
-45°	1	1	1	2	2	2	2	2	3	3	3
-46.25°	1	1	1	1	2	2	2	2	2	3	3
-47.5°	1	1	1	1	2	2	2	2	2	2	3
-48.75°	1	1	1	1	1	2	2	2	2	2	2
-50°	1	1	1	1	1	1	2	2	2	2	2
-51.25°	1	1	1	1	1	1	1	2	2	2	2
-52.5°	1	1	1	1	1	1	1	2	2	2	2
-53.75°	1	1	1	1	1	1	1	1	2	2	2
-55°	1	1	1	1	1	1	1	1	1	1	2
-56.25°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	1	1	1	1	1	1	1	1	1	1
-66.25°	0	0	1	1	1	1	1	1	1	1	1
-67.5°	0	0	0	0	1	1	1	1	1	1	1
-68.75°	0	0	0	0	0	1	1	1	1	1	1
-70°	0	0	0	0	0	0	0	1	1	1	1
-71.25°	0	0	0	0	0	0	0	0	0	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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	1	1
73.75°	0	0	0	0	1	1	1	1	1	1	1
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	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	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	2	2	2
61.25°	1	1	1	1	1	1	2	2	2	2	2
60°	1	1	1	1	2	2	2	2	2	2	2
58.75°	1	1	1	2	2	2	2	2	2	2	2
57.5°	1	2	2	2	2	2	2	2	2	2	3
56.25°	2	2	2	2	2	2	2	2	3	3	3
55°	2	2	2	2	2	2	3	3	3	3	3
53.75°	2	2	2	2	2	3	3	3	3	4	4
52.5°	2	2	2	3	3	3	3	3	4	4	4
51.25°	2	2	3	3	3	3	4	4	4	5	5
50°	2	3	3	3	3	4	4	4	5	5	5
48.75°	3	3	3	3	4	4	5	5	5	5	6
47.5°	3	3	3	4	4	5	5	5	5	6	6
46.25°	3	3	4	4	5	5	5	6	6	6	6
45°	3	4	4	5	5	5	6	6	6	6	6
43.75°	4	4	5	5	5	6	6	6	6	6	7
42.5°	4	5	5	5	6	6	6	6	7	7	7
41.25°	5	5	5	6	6	6	6	7	7	7	7
40°	5	5	6	6	6	6	7	7	7	7	8
38.75°	5	5	6	6	6	7	7	7	7	8	9
37.5°	5	6	6	6	6	7	7	7	8	9	9
36.25°	6	6	6	6	7	7	7	8	9	9	11
35°	6	6	6	7	7	7	8	9	9	11	13



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	6	6	7	7	7	8	8	9	11	13	15
32.5°	6	6	7	7	7	8	9	10	12	14	18
31.25°	6	7	7	7	8	9	10	12	14	17	23
30°	6	7	7	8	8	9	11	13	15	22	29
28.75°	7	7	7	8	9	10	13	15	20	27	34
27.5°	7	7	8	9	10	12	14	18	25	32	43
26.25°	7	7	8	9	11	13	15	22	29	39	51
25°	7	8	9	10	12	14	19	26	34	47	59
23.75°	7	8	9	10	13	15	23	30	41	54	67
22.5°	7	8	9	11	14	19	26	35	48	62	75
21.25°	8	9	10	12	15	22	30	41	55	69	83
20°	8	9	11	13	17	25	34	47	61	76	90
18.75°	8	9	12	14	20	29	39	53	68	83	97
17.5°	9	10	13	15	23	32	44	59	74	89	105
16.25°	9	11	13	17	26	35	49	64	80	95	113
15°	9	11	14	20	28	39	54	69	85	101	120
13.75°	10	12	15	22	31	43	59	74	90	107	127
12.5°	10	13	15	24	33	47	63	79	95	113	133
11.25°	10	13	17	26	35	51	66	83	99	119	138
10°	11	14	19	28	38	54	70	86	103	123	144
8.75°	11	14	20	29	41	57	73	90	107	128	149
7.5°	12	14	21	30	43	59	76	92	111	132	153
6.25°	12	15	22	31	46	62	78	95	114	135	157
5°	12	15	23	32	47	63	80	97	117	138	160
3.75°	12	15	24	33	48	65	81	98	119	140	163
2.5°	12	15	24	33	49	66	82	99	120	141	164
1.25°	13	15	25	34	50	66	83	100	121	142	165
0°	13	15	25	34	50	66	83	100	121	142	166
-1.25°	13	15	25	34	50	66	83	100	121	142	165
-2.5°	12	15	24	33	49	66	82	99	120	141	164
-3.75°	12	15	24	33	48	65	81	98	119	140	163
-5°	12	15	23	32	47	63	80	97	117	138	160
-6.25°	12	15	22	31	46	62	78	95	114	135	157
-7.5°	12	14	21	30	43	59	76	92	111	132	153
-8.75°	11	14	20	29	41	57	73	90	107	128	149
-10°	11	14	19	28	38	54	70	86	103	123	144
-11.25°	10	13	17	26	35	51	66	83	99	119	138
-12.5°	10	13	15	24	33	47	63	79	95	113	133
-13.75°	10	12	15	22	31	43	59	74	90	107	127
-15°	9	11	14	20	28	39	54	69	85	101	120
-16.25°	9	11	13	17	26	35	49	64	80	95	113
-17.5°	9	10	13	15	23	32	44	59	74	89	105
-18.75°	8	9	12	14	20	29	39	53	68	83	97
-20°	8	9	11	13	17	25	34	47	61	76	90
-21.25°	8	9	10	12	15	22	30	41	55	69	83



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	7	8	9	11	14	19	26	35	48	62	75
-23.75°	7	8	9	10	13	15	23	30	41	54	67
-25°	7	8	9	10	12	14	19	26	34	47	59
-26.25°	7	7	8	9	11	13	15	22	29	39	51
-27.5°	7	7	8	9	10	12	14	18	25	32	43
-28.75°	7	7	7	8	9	10	13	15	20	27	34
-30°	6	7	7	8	8	9	11	13	15	22	29
-31.25°	6	7	7	7	8	9	10	12	14	17	23
-32.5°	6	6	7	7	7	8	9	10	12	14	18
-33.75°	6	6	7	7	7	8	8	9	11	13	15
-35°	6	6	6	7	7	7	8	9	9	11	13
-36.25°	6	6	6	6	7	7	7	8	9	9	11
-37.5°	5	6	6	6	6	7	7	7	8	9	9
-38.75°	5	5	6	6	6	7	7	7	7	8	9
-40°	5	5	6	6	6	6	7	7	7	7	8
-41.25°	5	5	5	6	6	6	6	7	7	7	7
-42.5°	4	5	5	5	6	6	6	6	7	7	7
-43.75°	4	4	5	5	5	6	6	6	6	6	7
-45°	3	4	4	5	5	5	6	6	6	6	6
-46.25°	3	3	4	4	5	5	5	6	6	6	6
-47.5°	3	3	3	4	4	5	5	5	5	6	6
-48.75°	3	3	3	3	4	4	5	5	5	5	6
-50°	2	3	3	3	3	4	4	4	5	5	5
-51.25°	2	2	3	3	3	3	4	4	4	5	5
-52.5°	2	2	2	3	3	3	3	3	4	4	4
-53.75°	2	2	2	2	2	3	3	3	3	4	4
-55°	2	2	2	2	2	2	3	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	3	3	3
-57.5°	1	2	2	2	2	2	2	2	2	2	3
-58.75°	1	1	1	2	2	2	2	2	2	2	2
-60°	1	1	1	1	2	2	2	2	2	2	2
-61.25°	1	1	1	1	1	1	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	2	2	2
-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	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	1	1	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	1	1	1
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	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	2	2	2	2
65°	1	1	1	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	3	3	3	3
60°	2	2	2	2	3	3	3	3	3	3	3
58.75°	2	3	3	3	3	3	3	3	4	4	4
57.5°	3	3	3	3	3	4	4	4	4	4	5
56.25°	3	3	3	4	4	4	4	5	5	5	5
55°	4	4	4	4	5	5	5	5	5	5	6
53.75°	4	4	5	5	5	5	5	6	6	6	6
52.5°	5	5	5	5	5	6	6	6	6	6	6
51.25°	5	5	5	6	6	6	6	6	6	6	7
50°	5	6	6	6	6	6	6	7	7	7	7
48.75°	6	6	6	6	6	7	7	7	7	7	7
47.5°	6	6	6	7	7	7	7	7	8	8	8
46.25°	6	7	7	7	7	7	8	8	9	9	9
45°	7	7	7	7	8	8	9	9	10	10	11
43.75°	7	7	7	8	8	9	10	11	12	13	14
42.5°	7	8	8	9	9	10	12	13	14	15	19
41.25°	8	8	9	10	11	13	14	15	19	23	26
40°	9	9	10	12	13	15	18	22	26	30	35
38.75°	9	11	12	14	15	20	25	29	34	41	48
37.5°	11	13	14	17	22	27	32	39	47	54	62
36.25°	13	15	18	23	29	34	43	51	59	67	75
35°	15	19	24	30	36	46	55	63	72	81	89



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	19	25	30	38	48	57	67	76	85	94	103
32.5°	24	30	38	49	59	69	79	89	98	109	120
31.25°	30	38	49	59	70	81	91	101	113	125	137
30°	36	48	59	70	81	92	103	116	129	141	154
28.75°	46	57	69	81	92	104	118	131	144	159	172
27.5°	55	67	79	91	103	118	132	146	161	176	190
26.25°	63	76	89	101	116	131	146	162	177	193	212
25°	72	85	98	113	129	144	161	177	194	214	233
23.75°	81	94	109	125	141	159	176	193	214	234	255
22.5°	89	103	120	137	154	172	190	212	233	255	278
21.25°	97	114	131	148	167	185	207	229	252	276	300
20°	106	123	141	160	179	200	224	247	272	297	323
18.75°	115	133	152	171	191	216	240	265	292	318	347
17.5°	123	142	162	182	205	230	256	283	310	340	384
16.25°	131	151	172	193	219	244	272	300	330	370	438
15°	139	160	181	205	231	258	287	316	351	408	502
13.75°	146	168	189	216	243	272	302	334	380	461	576
12.5°	154	175	199	226	254	285	315	352	415	520	650
11.25°	160	182	208	236	265	297	329	376	459	580	722
10°	166	189	216	245	276	307	342	398	504	641	791
8.75°	171	195	224	253	285	317	358	432	551	696	854
7.5°	176	201	230	260	293	327	374	462	593	747	907
6.25°	180	207	236	267	300	335	388	490	632	792	953
5°	183	211	240	272	305	342	403	518	665	829	991
3.75°	186	214	244	276	310	347	418	539	691	858	1018
2.5°	188	217	246	279	313	353	430	555	710	878	1038
1.25°	189	218	248	281	315	357	436	565	721	891	1050
0°	189	219	248	282	315	358	439	568	725	895	1054
-1.25°	189	218	248	281	315	357	436	565	721	891	1050
-2.5°	188	217	246	279	313	353	430	555	710	878	1038
-3.75°	186	214	244	276	310	347	418	539	691	858	1018
-5°	183	211	240	272	305	342	403	518	665	829	991
-6.25°	180	207	236	267	300	335	388	490	632	792	953
-7.5°	176	201	230	260	293	327	374	462	593	747	907
-8.75°	171	195	224	253	285	317	358	432	551	696	854
-10°	166	189	216	245	276	307	342	398	504	641	791
-11.25°	160	182	208	236	265	297	329	376	459	580	722
-12.5°	154	175	199	226	254	285	315	352	415	520	650
-13.75°	146	168	189	216	243	272	302	334	380	461	576
-15°	139	160	181	205	231	258	287	316	351	408	502
-16.25°	131	151	172	193	219	244	272	300	330	370	438
-17.5°	123	142	162	182	205	230	256	283	310	340	384
-18.75°	115	133	152	171	191	216	240	265	292	318	347
-20°	106	123	141	160	179	200	224	247	272	297	323
-21.25°	97	114	131	148	167	185	207	229	252	276	300



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	89	103	120	137	154	172	190	212	233	255	278
-23.75°	81	94	109	125	141	159	176	193	214	234	255
-25°	72	85	98	113	129	144	161	177	194	214	233
-26.25°	63	76	89	101	116	131	146	162	177	193	212
-27.5°	55	67	79	91	103	118	132	146	161	176	190
-28.75°	46	57	69	81	92	104	118	131	144	159	172
-30°	36	48	59	70	81	92	103	116	129	141	154
-31.25°	30	38	49	59	70	81	91	101	113	125	137
-32.5°	24	30	38	49	59	69	79	89	98	109	120
-33.75°	19	25	30	38	48	57	67	76	85	94	103
-35°	15	19	24	30	36	46	55	63	72	81	89
-36.25°	13	15	18	23	29	34	43	51	59	67	75
-37.5°	11	13	14	17	22	27	32	39	47	54	62
-38.75°	9	11	12	14	15	20	25	29	34	41	48
-40°	9	9	10	12	13	15	18	22	26	30	35
-41.25°	8	8	9	10	11	13	14	15	19	23	26
-42.5°	7	8	8	9	9	10	12	13	14	15	19
-43.75°	7	7	7	8	8	9	10	11	12	13	14
-45°	7	7	7	7	8	8	9	9	10	10	11
-46.25°	6	7	7	7	7	7	8	8	9	9	9
-47.5°	6	6	6	7	7	7	7	7	8	8	8
-48.75°	6	6	6	6	6	7	7	7	7	7	7
-50°	5	6	6	6	6	6	6	7	7	7	7
-51.25°	5	5	5	6	6	6	6	6	6	6	7
-52.5°	5	5	5	5	5	6	6	6	6	6	6
-53.75°	4	4	5	5	5	5	5	6	6	6	6
-55°	4	4	4	4	5	5	5	5	5	5	6
-56.25°	3	3	3	4	4	4	4	5	5	5	5
-57.5°	3	3	3	3	3	4	4	4	4	4	5
-58.75°	2	3	3	3	3	3	3	3	4	4	4
-60°	2	2	2	2	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	2	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	1	1	1	2	2	2	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	0	0	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	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	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	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	4	4	4	4
60°	3	4	4	4	4	4	4	4	4	4	5
58.75°	4	4	4	5	5	5	5	5	5	5	5
57.5°	5	5	5	5	5	5	5	5	5	6	6
56.25°	5	5	5	6	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	7	7	7	7	7
52.5°	6	6	7	7	7	7	7	7	7	7	7
51.25°	7	7	7	7	7	7	7	7	8	8	8
50°	7	7	7	8	8	8	8	9	9	9	9
48.75°	8	8	8	9	9	9	10	10	10	11	11
47.5°	9	9	9	10	11	11	12	13	13	14	14
46.25°	10	11	12	13	13	14	15	15	17	19	20
45°	12	13	14	15	17	20	22	24	26	28	29
43.75°	15	17	20	23	26	28	31	33	35	38	41
42.5°	22	25	29	32	35	39	43	47	51	54	57
41.25°	30	34	39	44	49	54	59	63	66	70	73
40°	41	47	53	59	64	69	74	79	83	86	90
38.75°	55	61	68	74	80	85	90	95	99	103	107
37.5°	69	76	83	89	95	101	107	113	119	123	128
36.25°	83	90	97	105	113	120	127	133	138	144	149
35°	97	106	115	123	131	139	146	154	160	166	171



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	114	123	133	142	151	160	168	175	182	189	195
32.5°	131	141	152	162	172	181	189	199	208	216	224
31.25°	148	160	171	182	193	205	216	226	236	245	253
30°	167	179	191	205	219	231	243	254	265	276	285
28.75°	185	200	216	230	244	258	272	285	297	307	317
27.5°	207	224	240	256	272	287	302	315	329	342	358
26.25°	229	247	265	283	300	316	334	352	376	398	432
25°	252	272	292	310	330	351	380	415	459	504	551
23.75°	276	297	318	340	370	408	461	520	580	641	696
22.5°	300	323	347	384	438	502	576	650	722	791	854
21.25°	324	353	393	459	537	621	708	793	872	943	1005
20°	353	396	469	558	653	750	847	934	1014	1082	1137
18.75°	393	469	565	670	777	883	980	1065	1137	1192	1229
17.5°	459	558	670	786	900	1006	1100	1171	1224	1260	1291
16.25°	537	653	777	900	1015	1117	1191	1242	1282	1317	1350
15°	621	750	883	1006	1117	1198	1251	1295	1335	1373	1407
13.75°	708	847	980	1100	1191	1251	1299	1344	1387	1427	1465
12.5°	793	934	1065	1171	1242	1295	1344	1392	1437	1481	1519
11.25°	872	1014	1137	1224	1282	1335	1387	1437	1486	1530	1575
10°	943	1082	1192	1260	1317	1373	1427	1481	1530	1582	1635
8.75°	1005	1137	1229	1291	1350	1407	1465	1519	1575	1635	1692
7.5°	1057	1179	1257	1318	1379	1438	1498	1556	1620	1684	1743
6.25°	1101	1212	1279	1342	1404	1466	1526	1591	1661	1727	1787
5°	1133	1231	1298	1361	1424	1489	1552	1623	1695	1763	1822
3.75°	1155	1246	1312	1377	1442	1507	1574	1649	1722	1790	1848
2.5°	1171	1256	1322	1388	1454	1520	1589	1667	1742	1810	1868
1.25°	1181	1263	1329	1395	1462	1528	1600	1679	1754	1822	1879
0°	1184	1265	1331	1397	1465	1530	1604	1683	1758	1826	1882
-1.25°	1181	1263	1329	1395	1462	1528	1600	1679	1754	1822	1879
-2.5°	1171	1256	1322	1388	1454	1520	1589	1667	1742	1810	1868
-3.75°	1155	1246	1312	1377	1442	1507	1574	1649	1722	1790	1848
-5°	1133	1231	1298	1361	1424	1489	1552	1623	1695	1763	1822
-6.25°	1101	1212	1279	1342	1404	1466	1526	1591	1661	1727	1787
-7.5°	1057	1179	1257	1318	1379	1438	1498	1556	1620	1684	1743
-8.75°	1005	1137	1229	1291	1350	1407	1465	1519	1575	1635	1692
-10°	943	1082	1192	1260	1317	1373	1427	1481	1530	1582	1635
-11.25°	872	1014	1137	1224	1282	1335	1387	1437	1486	1530	1575
-12.5°	793	934	1065	1171	1242	1295	1344	1392	1437	1481	1519
-13.75°	708	847	980	1100	1191	1251	1299	1344	1387	1427	1465
-15°	621	750	883	1006	1117	1198	1251	1295	1335	1373	1407
-16.25°	537	653	777	900	1015	1117	1191	1242	1282	1317	1350
-17.5°	459	558	670	786	900	1006	1100	1171	1224	1260	1291
-18.75°	393	469	565	670	777	883	980	1065	1137	1192	1229
-20°	353	396	469	558	653	750	847	934	1014	1082	1137
-21.25°	324	353	393	459	537	621	708	793	872	943	1005



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	300	323	347	384	438	502	576	650	722	791	854
-23.75°	276	297	318	340	370	408	461	520	580	641	696
-25°	252	272	292	310	330	351	380	415	459	504	551
-26.25°	229	247	265	283	300	316	334	352	376	398	432
-27.5°	207	224	240	256	272	287	302	315	329	342	358
-28.75°	185	200	216	230	244	258	272	285	297	307	317
-30°	167	179	191	205	219	231	243	254	265	276	285
-31.25°	148	160	171	182	193	205	216	226	236	245	253
-32.5°	131	141	152	162	172	181	189	199	208	216	224
-33.75°	114	123	133	142	151	160	168	175	182	189	195
-35°	97	106	115	123	131	139	146	154	160	166	171
-36.25°	83	90	97	105	113	120	127	133	138	144	149
-37.5°	69	76	83	89	95	101	107	113	119	123	128
-38.75°	55	61	68	74	80	85	90	95	99	103	107
-40°	41	47	53	59	64	69	74	79	83	86	90
-41.25°	30	34	39	44	49	54	59	63	66	70	73
-42.5°	22	25	29	32	35	39	43	47	51	54	57
-43.75°	15	17	20	23	26	28	31	33	35	38	41
-45°	12	13	14	15	17	20	22	24	26	28	29
-46.25°	10	11	12	13	13	14	15	15	17	19	20
-47.5°	9	9	9	10	11	11	12	13	13	14	14
-48.75°	8	8	8	9	9	9	10	10	10	11	11
-50°	7	7	7	8	8	8	8	9	9	9	9
-51.25°	7	7	7	7	7	7	7	7	8	8	8
-52.5°	6	6	7	7	7	7	7	7	7	7	7
-53.75°	6	6	6	6	6	6	7	7	7	7	7
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	6	6	6	6	6	6	6	6
-57.5°	5	5	5	5	5	5	5	5	5	6	6
-58.75°	4	4	4	5	5	5	5	5	5	5	5
-60°	3	4	4	4	4	4	4	4	4	4	5
-61.25°	3	3	3	3	3	3	3	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	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°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	5	5	5	5	5	5	5	5	5	5	5
58.75°	5	5	5	5	5	5	5	5	5	5	5
57.5°	6	6	6	6	6	6	6	6	6	6	6
56.25°	6	6	6	6	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	7	6	6	6	6
53.75°	7	7	7	7	7	7	7	7	7	7	7
52.5°	7	7	7	7	7	7	7	7	7	7	7
51.25°	8	8	8	8	8	8	9	8	8	8	8
50°	9	9	10	10	10	10	10	10	10	10	10
48.75°	12	12	12	12	12	13	13	13	12	12	12
47.5°	14	15	15	15	15	15	15	15	15	15	15
46.25°	21	22	23	24	24	25	25	25	24	24	23
45°	30	31	32	33	33	34	34	34	33	33	32
43.75°	43	46	47	48	49	50	50	50	49	48	47
42.5°	59	62	63	65	66	66	66	66	66	65	63
41.25°	76	78	80	81	82	83	83	83	82	81	80
40°	92	95	97	98	99	100	100	100	99	98	97
38.75°	111	114	117	119	120	121	121	121	120	119	117
37.5°	132	135	138	140	141	142	142	142	141	140	138
36.25°	153	157	160	163	164	165	166	165	164	163	160
35°	176	180	183	186	188	189	189	189	188	186	183



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	201	207	211	214	217	218	219	218	217	214	211
32.5°	230	236	240	244	246	248	248	248	246	244	240
31.25°	260	267	272	276	279	281	282	281	279	276	272
30°	293	300	305	310	313	315	315	315	313	310	305
28.75°	327	335	342	347	353	357	358	357	353	347	342
27.5°	374	388	403	418	430	436	439	436	430	418	403
26.25°	462	490	518	539	555	565	568	565	555	539	518
25°	593	632	665	691	710	721	725	721	710	691	665
23.75°	747	792	829	858	878	891	895	891	878	858	829
22.5°	907	953	991	1018	1038	1050	1054	1050	1038	1018	991
21.25°	1057	1101	1133	1155	1171	1181	1184	1181	1171	1155	1133
20°	1179	1212	1231	1246	1256	1263	1265	1263	1256	1246	1231
18.75°	1257	1279	1298	1312	1322	1329	1331	1329	1322	1312	1298
17.5°	1318	1342	1361	1377	1388	1395	1397	1395	1388	1377	1361
16.25°	1379	1404	1424	1442	1454	1462	1465	1462	1454	1442	1424
15°	1438	1466	1489	1507	1520	1528	1530	1528	1520	1507	1489
13.75°	1498	1526	1552	1574	1589	1600	1604	1600	1589	1574	1552
12.5°	1556	1591	1623	1649	1667	1679	1683	1679	1667	1649	1623
11.25°	1620	1661	1695	1722	1742	1754	1758	1754	1742	1722	1695
10°	1684	1727	1763	1790	1810	1822	1826	1822	1810	1790	1763
8.75°	1743	1787	1822	1848	1868	1879	1882	1879	1868	1848	1822
7.5°	1794	1837	1872	1898	1916	1926	1929	1926	1916	1898	1872
6.25°	1837	1879	1913	1936	1950	1957	1960	1957	1950	1936	1913
5°	1872	1913	1943	1960	1969	1973	1975	1973	1969	1960	1943
3.75°	1898	1936	1960	1972	1976	1977	1976	1977	1976	1972	1960
2.5°	1916	1950	1969	1976	1976	1973	1971	1973	1976	1976	1969
1.25°	1926	1957	1973	1977	1973	1968	1968	1968	1973	1977	1973
0°	1929	1960	1975	1976	1971	1968	1974	1968	1971	1976	1975
-1.25°	1926	1957	1973	1977	1973	1968	1968	1968	1973	1977	1973
-2.5°	1916	1950	1969	1976	1976	1973	1971	1973	1976	1976	1969
-3.75°	1898	1936	1960	1972	1976	1977	1976	1977	1976	1972	1960
-5°	1872	1913	1943	1960	1969	1973	1975	1973	1969	1960	1943
-6.25°	1837	1879	1913	1936	1950	1957	1960	1957	1950	1936	1913
-7.5°	1794	1837	1872	1898	1916	1926	1929	1926	1916	1898	1872
-8.75°	1743	1787	1822	1848	1868	1879	1882	1879	1868	1848	1822
-10°	1684	1727	1763	1790	1810	1822	1826	1822	1810	1790	1763
-11.25°	1620	1661	1695	1722	1742	1754	1758	1754	1742	1722	1695
-12.5°	1556	1591	1623	1649	1667	1679	1683	1679	1667	1649	1623
-13.75°	1498	1526	1552	1574	1589	1600	1604	1600	1589	1574	1552
-15°	1438	1466	1489	1507	1520	1528	1530	1528	1520	1507	1489
-16.25°	1379	1404	1424	1442	1454	1462	1465	1462	1454	1442	1424
-17.5°	1318	1342	1361	1377	1388	1395	1397	1395	1388	1377	1361
-18.75°	1257	1279	1298	1312	1322	1329	1331	1329	1322	1312	1298
-20°	1179	1212	1231	1246	1256	1263	1265	1263	1256	1246	1231
-21.25°	1057	1101	1133	1155	1171	1181	1184	1181	1171	1155	1133



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	907	953	991	1018	1038	1050	1054	1050	1038	1018	991
-23.75°	747	792	829	858	878	891	895	891	878	858	829
-25°	593	632	665	691	710	721	725	721	710	691	665
-26.25°	462	490	518	539	555	565	568	565	555	539	518
-27.5°	374	388	403	418	430	436	439	436	430	418	403
-28.75°	327	335	342	347	353	357	358	357	353	347	342
-30°	293	300	305	310	313	315	315	315	313	310	305
-31.25°	260	267	272	276	279	281	282	281	279	276	272
-32.5°	230	236	240	244	246	248	248	248	246	244	240
-33.75°	201	207	211	214	217	218	219	218	217	214	211
-35°	176	180	183	186	188	189	189	189	188	186	183
-36.25°	153	157	160	163	164	165	166	165	164	163	160
-37.5°	132	135	138	140	141	142	142	142	141	140	138
-38.75°	111	114	117	119	120	121	121	121	120	119	117
-40°	92	95	97	98	99	100	100	100	99	98	97
-41.25°	76	78	80	81	82	83	83	83	82	81	80
-42.5°	59	62	63	65	66	66	66	66	66	65	63
-43.75°	43	46	47	48	49	50	50	50	49	48	47
-45°	30	31	32	33	33	34	34	34	33	33	32
-46.25°	21	22	23	24	24	25	25	25	24	24	23
-47.5°	14	15	15	15	15	15	15	15	15	15	15
-48.75°	12	12	12	12	12	13	13	13	12	12	12
-50°	9	9	10	10	10	10	10	10	10	10	10
-51.25°	8	8	8	8	8	8	9	8	8	8	8
-52.5°	7	7	7	7	7	7	7	7	7	7	7
-53.75°	7	7	7	7	7	7	7	7	7	7	7
-55°	6	6	6	6	6	6	7	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	6	6
-57.5°	6	6	6	6	6	6	6	6	6	6	6
-58.75°	5	5	5	5	5	5	5	5	5	5	5
-60°	5	5	5	5	5	5	5	5	5	5	5
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	3	3	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	3	3	3	3	3
60°	5	5	5	4	4	4	4	4	4	4	4
58.75°	5	5	5	5	5	5	5	5	5	5	4
57.5°	6	6	6	6	5	5	5	5	5	5	5
56.25°	6	6	6	6	6	6	6	6	6	6	5
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	7	7	7	7	7	7	7	6	6	6	6
52.5°	7	7	7	7	7	7	7	7	7	7	7
51.25°	8	8	8	8	8	7	7	7	7	7	7
50°	9	9	9	9	9	9	8	8	8	8	7
48.75°	12	12	11	11	10	10	10	9	9	9	8
47.5°	15	14	14	14	13	13	12	11	11	10	9
46.25°	22	21	20	19	17	15	15	14	13	13	12
45°	31	30	29	28	26	24	22	20	17	15	14
43.75°	46	43	41	38	35	33	31	28	26	23	20
42.5°	62	59	57	54	51	47	43	39	35	32	29
41.25°	78	76	73	70	66	63	59	54	49	44	39
40°	95	92	90	86	83	79	74	69	64	59	53
38.75°	114	111	107	103	99	95	90	85	80	74	68
37.5°	135	132	128	123	119	113	107	101	95	89	83
36.25°	157	153	149	144	138	133	127	120	113	105	97
35°	180	176	171	166	160	154	146	139	131	123	115



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	207	201	195	189	182	175	168	160	151	142	133
32.5°	236	230	224	216	208	199	189	181	172	162	152
31.25°	267	260	253	245	236	226	216	205	193	182	171
30°	300	293	285	276	265	254	243	231	219	205	191
28.75°	335	327	317	307	297	285	272	258	244	230	216
27.5°	388	374	358	342	329	315	302	287	272	256	240
26.25°	490	462	432	398	376	352	334	316	300	283	265
25°	632	593	551	504	459	415	380	351	330	310	292
23.75°	792	747	696	641	580	520	461	408	370	340	318
22.5°	953	907	854	791	722	650	576	502	438	384	347
21.25°	1101	1057	1005	943	872	793	708	621	537	459	393
20°	1212	1179	1137	1082	1014	934	847	750	653	558	469
18.75°	1279	1257	1229	1192	1137	1065	980	883	777	670	565
17.5°	1342	1318	1291	1260	1224	1171	1100	1006	900	786	670
16.25°	1404	1379	1350	1317	1282	1242	1191	1117	1015	900	777
15°	1466	1438	1407	1373	1335	1295	1251	1198	1117	1006	883
13.75°	1526	1498	1465	1427	1387	1344	1299	1251	1191	1100	980
12.5°	1591	1556	1519	1481	1437	1392	1344	1295	1242	1171	1065
11.25°	1661	1620	1575	1530	1486	1437	1387	1335	1282	1224	1137
10°	1727	1684	1635	1582	1530	1481	1427	1373	1317	1260	1192
8.75°	1787	1743	1692	1635	1575	1519	1465	1407	1350	1291	1229
7.5°	1837	1794	1743	1684	1620	1556	1498	1438	1379	1318	1257
6.25°	1879	1837	1787	1727	1661	1591	1526	1466	1404	1342	1279
5°	1913	1872	1822	1763	1695	1623	1552	1489	1424	1361	1298
3.75°	1936	1898	1848	1790	1722	1649	1574	1507	1442	1377	1312
2.5°	1950	1916	1868	1810	1742	1667	1589	1520	1454	1388	1322
1.25°	1957	1926	1879	1822	1754	1679	1600	1528	1462	1395	1329
0°	1960	1929	1882	1826	1758	1683	1604	1530	1465	1397	1331
-1.25°	1957	1926	1879	1822	1754	1679	1600	1528	1462	1395	1329
-2.5°	1950	1916	1868	1810	1742	1667	1589	1520	1454	1388	1322
-3.75°	1936	1898	1848	1790	1722	1649	1574	1507	1442	1377	1312
-5°	1913	1872	1822	1763	1695	1623	1552	1489	1424	1361	1298
-6.25°	1879	1837	1787	1727	1661	1591	1526	1466	1404	1342	1279
-7.5°	1837	1794	1743	1684	1620	1556	1498	1438	1379	1318	1257
-8.75°	1787	1743	1692	1635	1575	1519	1465	1407	1350	1291	1229
-10°	1727	1684	1635	1582	1530	1481	1427	1373	1317	1260	1192
-11.25°	1661	1620	1575	1530	1486	1437	1387	1335	1282	1224	1137
-12.5°	1591	1556	1519	1481	1437	1392	1344	1295	1242	1171	1065
-13.75°	1526	1498	1465	1427	1387	1344	1299	1251	1191	1100	980
-15°	1466	1438	1407	1373	1335	1295	1251	1198	1117	1006	883
-16.25°	1404	1379	1350	1317	1282	1242	1191	1117	1015	900	777
-17.5°	1342	1318	1291	1260	1224	1171	1100	1006	900	786	670
-18.75°	1279	1257	1229	1192	1137	1065	980	883	777	670	565
-20°	1212	1179	1137	1082	1014	934	847	750	653	558	469
-21.25°	1101	1057	1005	943	872	793	708	621	537	459	393



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	953	907	854	791	722	650	576	502	438	384	347
-23.75°	792	747	696	641	580	520	461	408	370	340	318
-25°	632	593	551	504	459	415	380	351	330	310	292
-26.25°	490	462	432	398	376	352	334	316	300	283	265
-27.5°	388	374	358	342	329	315	302	287	272	256	240
-28.75°	335	327	317	307	297	285	272	258	244	230	216
-30°	300	293	285	276	265	254	243	231	219	205	191
-31.25°	267	260	253	245	236	226	216	205	193	182	171
-32.5°	236	230	224	216	208	199	189	181	172	162	152
-33.75°	207	201	195	189	182	175	168	160	151	142	133
-35°	180	176	171	166	160	154	146	139	131	123	115
-36.25°	157	153	149	144	138	133	127	120	113	105	97
-37.5°	135	132	128	123	119	113	107	101	95	89	83
-38.75°	114	111	107	103	99	95	90	85	80	74	68
-40°	95	92	90	86	83	79	74	69	64	59	53
-41.25°	78	76	73	70	66	63	59	54	49	44	39
-42.5°	62	59	57	54	51	47	43	39	35	32	29
-43.75°	46	43	41	38	35	33	31	28	26	23	20
-45°	31	30	29	28	26	24	22	20	17	15	14
-46.25°	22	21	20	19	17	15	15	14	13	13	12
-47.5°	15	14	14	14	13	13	12	11	11	10	9
-48.75°	12	12	11	11	10	10	10	9	9	9	8
-50°	9	9	9	9	9	9	8	8	8	8	7
-51.25°	8	8	8	8	8	7	7	7	7	7	7
-52.5°	7	7	7	7	7	7	7	7	7	7	7
-53.75°	7	7	7	7	7	7	7	6	6	6	6
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	6	5
-57.5°	6	6	6	6	5	5	5	5	5	5	5
-58.75°	5	5	5	5	5	5	5	5	5	5	4
-60°	5	5	5	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	1	0	0	0	0	0	0	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	2	2	1
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	2	2	2	2	2
60°	4	3	3	3	3	3	3	3	3	2	2
58.75°	4	4	4	4	4	3	3	3	3	3	3
57.5°	5	5	5	4	4	4	4	4	3	3	3
56.25°	5	5	5	5	5	5	4	4	4	4	3
55°	6	6	6	5	5	5	5	5	5	4	4
53.75°	6	6	6	6	6	6	5	5	5	5	5
52.5°	6	6	6	6	6	6	6	6	5	5	5
51.25°	7	7	7	6	6	6	6	6	6	6	5
50°	7	7	7	7	7	7	6	6	6	6	6
48.75°	8	8	7	7	7	7	7	7	6	6	6
47.5°	9	9	8	8	8	7	7	7	7	7	6
46.25°	11	10	9	9	9	8	8	7	7	7	7
45°	13	12	11	10	10	9	9	8	8	7	7
43.75°	17	15	14	13	12	11	10	9	8	8	7
42.5°	25	22	19	15	14	13	12	10	9	9	8
41.25°	34	30	26	23	19	15	14	13	11	10	9
40°	47	41	35	30	26	22	18	15	13	12	10
38.75°	61	55	48	41	34	29	25	20	15	14	12
37.5°	76	69	62	54	47	39	32	27	22	17	14
36.25°	90	83	75	67	59	51	43	34	29	23	18
35°	106	97	89	81	72	63	55	46	36	30	24



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	123	114	103	94	85	76	67	57	48	38	30
32.5°	141	131	120	109	98	89	79	69	59	49	38
31.25°	160	148	137	125	113	101	91	81	70	59	49
30°	179	167	154	141	129	116	103	92	81	70	59
28.75°	200	185	172	159	144	131	118	104	92	81	69
27.5°	224	207	190	176	161	146	132	118	103	91	79
26.25°	247	229	212	193	177	162	146	131	116	101	89
25°	272	252	233	214	194	177	161	144	129	113	98
23.75°	297	276	255	234	214	193	176	159	141	125	109
22.5°	323	300	278	255	233	212	190	172	154	137	120
21.25°	353	324	300	276	252	229	207	185	167	148	131
20°	396	353	323	297	272	247	224	200	179	160	141
18.75°	469	393	347	318	292	265	240	216	191	171	152
17.5°	558	459	384	340	310	283	256	230	205	182	162
16.25°	653	537	438	370	330	300	272	244	219	193	172
15°	750	621	502	408	351	316	287	258	231	205	181
13.75°	847	708	576	461	380	334	302	272	243	216	189
12.5°	934	793	650	520	415	352	315	285	254	226	199
11.25°	1014	872	722	580	459	376	329	297	265	236	208
10°	1082	943	791	641	504	398	342	307	276	245	216
8.75°	1137	1005	854	696	551	432	358	317	285	253	224
7.5°	1179	1057	907	747	593	462	374	327	293	260	230
6.25°	1212	1101	953	792	632	490	388	335	300	267	236
5°	1231	1133	991	829	665	518	403	342	305	272	240
3.75°	1246	1155	1018	858	691	539	418	347	310	276	244
2.5°	1256	1171	1038	878	710	555	430	353	313	279	246
1.25°	1263	1181	1050	891	721	565	436	357	315	281	248
0°	1265	1184	1054	895	725	568	439	358	315	282	248
-1.25°	1263	1181	1050	891	721	565	436	357	315	281	248
-2.5°	1256	1171	1038	878	710	555	430	353	313	279	246
-3.75°	1246	1155	1018	858	691	539	418	347	310	276	244
-5°	1231	1133	991	829	665	518	403	342	305	272	240
-6.25°	1212	1101	953	792	632	490	388	335	300	267	236
-7.5°	1179	1057	907	747	593	462	374	327	293	260	230
-8.75°	1137	1005	854	696	551	432	358	317	285	253	224
-10°	1082	943	791	641	504	398	342	307	276	245	216
-11.25°	1014	872	722	580	459	376	329	297	265	236	208
-12.5°	934	793	650	520	415	352	315	285	254	226	199
-13.75°	847	708	576	461	380	334	302	272	243	216	189
-15°	750	621	502	408	351	316	287	258	231	205	181
-16.25°	653	537	438	370	330	300	272	244	219	193	172
-17.5°	558	459	384	340	310	283	256	230	205	182	162
-18.75°	469	393	347	318	292	265	240	216	191	171	152
-20°	396	353	323	297	272	247	224	200	179	160	141
-21.25°	353	324	300	276	252	229	207	185	167	148	131



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	323	300	278	255	233	212	190	172	154	137	120
-23.75°	297	276	255	234	214	193	176	159	141	125	109
-25°	272	252	233	214	194	177	161	144	129	113	98
-26.25°	247	229	212	193	177	162	146	131	116	101	89
-27.5°	224	207	190	176	161	146	132	118	103	91	79
-28.75°	200	185	172	159	144	131	118	104	92	81	69
-30°	179	167	154	141	129	116	103	92	81	70	59
-31.25°	160	148	137	125	113	101	91	81	70	59	49
-32.5°	141	131	120	109	98	89	79	69	59	49	38
-33.75°	123	114	103	94	85	76	67	57	48	38	30
-35°	106	97	89	81	72	63	55	46	36	30	24
-36.25°	90	83	75	67	59	51	43	34	29	23	18
-37.5°	76	69	62	54	47	39	32	27	22	17	14
-38.75°	61	55	48	41	34	29	25	20	15	14	12
-40°	47	41	35	30	26	22	18	15	13	12	10
-41.25°	34	30	26	23	19	15	14	13	11	10	9
-42.5°	25	22	19	15	14	13	12	10	9	9	8
-43.75°	17	15	14	13	12	11	10	9	8	8	7
-45°	13	12	11	10	10	9	9	8	8	7	7
-46.25°	11	10	9	9	9	8	8	7	7	7	7
-47.5°	9	9	8	8	8	7	7	7	7	7	6
-48.75°	8	8	7	7	7	7	7	7	6	6	6
-50°	7	7	7	7	7	7	6	6	6	6	6
-51.25°	7	7	7	6	6	6	6	6	6	6	5
-52.5°	6	6	6	6	6	6	6	6	5	5	5
-53.75°	6	6	6	6	6	6	5	5	5	5	5
-55°	6	6	6	5	5	5	5	5	5	4	4
-56.25°	5	5	5	5	5	5	4	4	4	4	3
-57.5°	5	5	5	4	4	4	4	4	3	3	3
-58.75°	4	4	4	4	4	3	3	3	3	3	3
-60°	4	3	3	3	3	3	3	3	3	2	2
-61.25°	3	3	3	3	3	3	2	2	2	2	2
-62.5°	3	3	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	1
-66.25°	2	2	2	2	2	2	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	1	1	1	1	0	0	0	0	0	0
73.75°	1	1	1	1	1	1	1	1	1	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°	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	1	1	1	1
63.75°	2	2	1	1	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	1	1	1	1	1	1
61.25°	2	2	2	2	2	2	2	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	1	1
58.75°	3	2	2	2	2	2	2	2	2	2	1
57.5°	3	3	3	2	2	2	2	2	2	2	2
56.25°	3	3	3	3	3	2	2	2	2	2	2
55°	4	4	3	3	3	3	3	2	2	2	2
53.75°	4	4	4	4	3	3	3	3	2	2	2
52.5°	5	5	4	4	4	3	3	3	3	3	2
51.25°	5	5	5	5	4	4	4	3	3	3	3
50°	6	5	5	5	5	4	4	4	3	3	3
48.75°	6	6	6	5	5	5	5	4	4	3	3
47.5°	6	6	6	6	5	5	5	5	4	4	3
46.25°	7	6	6	6	6	6	5	5	5	4	4
45°	7	7	6	6	6	6	6	5	5	5	4
43.75°	7	7	7	6	6	6	6	6	5	5	5
42.5°	8	7	7	7	7	6	6	6	6	5	5
41.25°	8	8	7	7	7	7	6	6	6	6	5
40°	9	9	8	7	7	7	7	6	6	6	6
38.75°	11	9	9	8	7	7	7	7	6	6	6
37.5°	13	11	9	9	8	7	7	7	6	6	6
36.25°	15	13	11	9	9	8	7	7	7	6	6
35°	19	15	13	11	9	9	8	7	7	7	6



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	25	19	15	13	11	9	8	8	7	7	7
32.5°	30	24	18	14	12	10	9	8	7	7	7
31.25°	38	30	23	17	14	12	10	9	8	7	7
30°	48	36	29	22	15	13	11	9	8	8	7
28.75°	57	46	34	27	20	15	13	10	9	8	7
27.5°	67	55	43	32	25	18	14	12	10	9	8
26.25°	76	63	51	39	29	22	15	13	11	9	8
25°	85	72	59	47	34	26	19	14	12	10	9
23.75°	94	81	67	54	41	30	23	15	13	10	9
22.5°	103	89	75	62	48	35	26	19	14	11	9
21.25°	114	97	83	69	55	41	30	22	15	12	10
20°	123	106	90	76	61	47	34	25	17	13	11
18.75°	133	115	97	83	68	53	39	29	20	14	12
17.5°	142	123	105	89	74	59	44	32	23	15	13
16.25°	151	131	113	95	80	64	49	35	26	17	13
15°	160	139	120	101	85	69	54	39	28	20	14
13.75°	168	146	127	107	90	74	59	43	31	22	15
12.5°	175	154	133	113	95	79	63	47	33	24	15
11.25°	182	160	138	119	99	83	66	51	35	26	17
10°	189	166	144	123	103	86	70	54	38	28	19
8.75°	195	171	149	128	107	90	73	57	41	29	20
7.5°	201	176	153	132	111	92	76	59	43	30	21
6.25°	207	180	157	135	114	95	78	62	46	31	22
5°	211	183	160	138	117	97	80	63	47	32	23
3.75°	214	186	163	140	119	98	81	65	48	33	24
2.5°	217	188	164	141	120	99	82	66	49	33	24
1.25°	218	189	165	142	121	100	83	66	50	34	25
0°	219	189	166	142	121	100	83	66	50	34	25
-1.25°	218	189	165	142	121	100	83	66	50	34	25
-2.5°	217	188	164	141	120	99	82	66	49	33	24
-3.75°	214	186	163	140	119	98	81	65	48	33	24
-5°	211	183	160	138	117	97	80	63	47	32	23
-6.25°	207	180	157	135	114	95	78	62	46	31	22
-7.5°	201	176	153	132	111	92	76	59	43	30	21
-8.75°	195	171	149	128	107	90	73	57	41	29	20
-10°	189	166	144	123	103	86	70	54	38	28	19
-11.25°	182	160	138	119	99	83	66	51	35	26	17
-12.5°	175	154	133	113	95	79	63	47	33	24	15
-13.75°	168	146	127	107	90	74	59	43	31	22	15
-15°	160	139	120	101	85	69	54	39	28	20	14
-16.25°	151	131	113	95	80	64	49	35	26	17	13
-17.5°	142	123	105	89	74	59	44	32	23	15	13
-18.75°	133	115	97	83	68	53	39	29	20	14	12
-20°	123	106	90	76	61	47	34	25	17	13	11
-21.25°	114	97	83	69	55	41	30	22	15	12	10



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	103	89	75	62	48	35	26	19	14	11	9
-23.75°	94	81	67	54	41	30	23	15	13	10	9
-25°	85	72	59	47	34	26	19	14	12	10	9
-26.25°	76	63	51	39	29	22	15	13	11	9	8
-27.5°	67	55	43	32	25	18	14	12	10	9	8
-28.75°	57	46	34	27	20	15	13	10	9	8	7
-30°	48	36	29	22	15	13	11	9	8	8	7
-31.25°	38	30	23	17	14	12	10	9	8	7	7
-32.5°	30	24	18	14	12	10	9	8	7	7	7
-33.75°	25	19	15	13	11	9	8	8	7	7	7
-35°	19	15	13	11	9	9	8	7	7	7	6
-36.25°	15	13	11	9	9	8	7	7	7	6	6
-37.5°	13	11	9	9	8	7	7	7	6	6	6
-38.75°	11	9	9	8	7	7	7	7	6	6	6
-40°	9	9	8	7	7	7	7	6	6	6	6
-41.25°	8	8	7	7	7	7	6	6	6	6	5
-42.5°	8	7	7	7	7	6	6	6	6	5	5
-43.75°	7	7	7	6	6	6	6	6	5	5	5
-45°	7	7	6	6	6	6	6	5	5	5	4
-46.25°	7	6	6	6	6	6	5	5	5	4	4
-47.5°	6	6	6	6	5	5	5	5	4	4	3
-48.75°	6	6	6	5	5	5	5	4	4	3	3
-50°	6	5	5	5	5	4	4	4	3	3	3
-51.25°	5	5	5	5	4	4	4	3	3	3	3
-52.5°	5	5	4	4	4	3	3	3	3	3	2
-53.75°	4	4	4	4	3	3	3	3	2	2	2
-55°	4	4	3	3	3	3	3	2	2	2	2
-56.25°	3	3	3	3	3	2	2	2	2	2	2
-57.5°	3	3	3	2	2	2	2	2	2	2	2
-58.75°	3	2	2	2	2	2	2	2	2	2	1
-60°	2	2	2	2	2	2	2	2	2	1	1
-61.25°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	2	1	1	1	1	1	1
-63.75°	2	2	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	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	0	0
-75°	1	1	1	1	1	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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	0	0	0	0	0	0	0
70°	1	1	1	1	1	1	0	0	0	0	0
68.75°	1	1	1	1	1	1	1	1	0	0	0
67.5°	1	1	1	1	1	1	1	1	1	0	0
66.25°	1	1	1	1	1	1	1	1	1	1	1
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°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	2	1	1	1	1	1	1	1	1	1	1
56.25°	2	2	1	1	1	1	1	1	1	1	1
55°	2	2	2	1	1	1	1	1	1	1	1
53.75°	2	2	2	2	2	1	1	1	1	1	1
52.5°	2	2	2	2	2	2	1	1	1	1	1
51.25°	2	2	2	2	2	2	1	1	1	1	1
50°	3	2	2	2	2	2	2	1	1	1	1
48.75°	3	3	2	2	2	2	2	2	1	1	1
47.5°	3	3	3	2	2	2	2	2	2	1	1
46.25°	3	3	3	3	2	2	2	2	2	1	1
45°	4	3	3	3	3	2	2	2	2	2	1
43.75°	4	4	3	3	3	2	2	2	2	2	2
42.5°	5	4	4	3	3	3	2	2	2	2	2
41.25°	5	5	4	4	3	3	3	2	2	2	2
40°	5	5	4	4	3	3	3	2	2	2	2
38.75°	5	5	5	4	4	3	3	3	2	2	2
37.5°	6	5	5	5	4	4	3	3	2	2	2
36.25°	6	6	5	5	4	4	3	3	3	2	2
35°	6	6	5	5	5	4	4	3	3	2	2



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	6	6	6	5	5	4	4	3	3	3	2
32.5°	6	6	6	5	5	5	4	3	3	3	2
31.25°	7	6	6	6	5	5	4	4	3	3	2
30°	7	6	6	6	5	5	5	4	3	3	3
28.75°	7	7	6	6	6	5	5	4	4	3	3
27.5°	7	7	6	6	6	5	5	4	4	3	3
26.25°	7	7	7	6	6	6	5	5	4	3	3
25°	8	7	7	6	6	6	5	5	4	4	3
23.75°	8	7	7	6	6	6	5	5	4	4	3
22.5°	8	7	7	7	6	6	6	5	5	4	3
21.25°	9	8	7	7	6	6	6	5	5	4	3
20°	9	8	7	7	6	6	6	5	5	4	4
18.75°	9	8	7	7	7	6	6	5	5	4	4
17.5°	10	9	8	7	7	6	6	6	5	5	4
16.25°	11	9	8	7	7	6	6	6	5	5	4
15°	11	9	8	7	7	6	6	6	5	5	4
13.75°	12	10	8	7	7	7	6	6	5	5	4
12.5°	13	10	9	7	7	7	6	6	5	5	4
11.25°	13	10	9	8	7	7	6	6	5	5	4
10°	14	11	9	8	7	7	6	6	6	5	4
8.75°	14	11	9	8	7	7	6	6	6	5	5
7.5°	14	12	9	8	7	7	6	6	6	5	5
6.25°	15	12	9	8	7	7	6	6	6	5	5
5°	15	12	10	8	7	7	6	6	6	5	5
3.75°	15	12	10	8	7	7	6	6	6	5	5
2.5°	15	12	10	8	7	7	6	6	6	5	5
1.25°	15	13	10	8	7	7	6	6	6	5	5
0°	15	13	10	9	7	7	7	6	6	5	5
-1.25°	15	13	10	8	7	7	6	6	6	5	5
-2.5°	15	12	10	8	7	7	6	6	6	5	5
-3.75°	15	12	10	8	7	7	6	6	6	5	5
-5°	15	12	10	8	7	7	6	6	6	5	5
-6.25°	15	12	9	8	7	7	6	6	6	5	5
-7.5°	14	12	9	8	7	7	6	6	6	5	5
-8.75°	14	11	9	8	7	7	6	6	6	5	5
-10°	14	11	9	8	7	7	6	6	6	5	4
-11.25°	13	10	9	8	7	7	6	6	5	5	4
-12.5°	13	10	9	7	7	7	6	6	5	5	4
-13.75°	12	10	8	7	7	7	6	6	5	5	4
-15°	11	9	8	7	7	6	6	6	5	5	4
-16.25°	11	9	8	7	7	6	6	6	5	5	4
-17.5°	10	9	8	7	7	6	6	6	5	5	4
-18.75°	9	8	7	7	7	6	6	5	5	4	4
-20°	9	8	7	7	6	6	6	5	5	4	4
-21.25°	9	8	7	7	6	6	6	5	5	4	3



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	8	7	7	7	6	6	6	5	5	4	3
-23.75°	8	7	7	6	6	6	5	5	4	4	3
-25°	8	7	7	6	6	6	5	5	4	4	3
-26.25°	7	7	7	6	6	6	5	5	4	3	3
-27.5°	7	7	6	6	6	5	5	4	4	3	3
-28.75°	7	7	6	6	6	5	5	4	4	3	3
-30°	7	6	6	6	5	5	5	4	3	3	3
-31.25°	7	6	6	6	5	5	4	4	3	3	2
-32.5°	6	6	6	5	5	5	4	3	3	3	2
-33.75°	6	6	6	5	5	4	4	3	3	3	2
-35°	6	6	5	5	5	4	4	3	3	2	2
-36.25°	6	6	5	5	4	4	3	3	3	2	2
-37.5°	6	5	5	5	4	4	3	3	2	2	2
-38.75°	5	5	5	4	4	3	3	3	2	2	2
-40°	5	5	4	4	3	3	3	2	2	2	2
-41.25°	5	5	4	4	3	3	3	2	2	2	2
-42.5°	5	4	4	3	3	3	2	2	2	2	2
-43.75°	4	4	3	3	3	2	2	2	2	2	2
-45°	4	3	3	3	3	2	2	2	2	2	1
-46.25°	3	3	3	3	2	2	2	2	2	1	1
-47.5°	3	3	3	2	2	2	2	2	2	1	1
-48.75°	3	3	2	2	2	2	2	2	1	1	1
-50°	3	2	2	2	2	2	2	1	1	1	1
-51.25°	2	2	2	2	2	2	1	1	1	1	1
-52.5°	2	2	2	2	2	2	1	1	1	1	1
-53.75°	2	2	2	2	2	1	1	1	1	1	1
-55°	2	2	2	1	1	1	1	1	1	1	1
-56.25°	2	2	1	1	1	1	1	1	1	1	1
-57.5°	2	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	0	0
-68.75°	1	1	1	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	0	0	0	0	0
-71.25°	1	1	1	1	0	0	0	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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	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	0	0	0	0	0	0	0	0
61.25°	1	1	1	1	0	0	0	0	0	0	0
60°	1	1	1	1	1	0	0	0	0	0	0
58.75°	1	1	1	1	1	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
56.25°	1	1	1	1	1	1	1	0	0	0	0
55°	1	1	1	1	1	1	1	0	0	0	0
53.75°	1	1	1	1	1	1	1	1	0	0	0
52.5°	1	1	1	1	1	1	1	1	0	0	0
51.25°	1	1	1	1	1	1	1	1	1	0	0
50°	1	1	1	1	1	1	1	1	1	0	0
48.75°	1	1	1	1	1	1	1	1	1	0	0
47.5°	1	1	1	1	1	1	1	1	1	1	0
46.25°	1	1	1	1	1	1	1	1	1	1	0
45°	1	1	1	1	1	1	1	1	1	1	0
43.75°	1	1	1	1	1	1	1	1	1	1	1
42.5°	1	1	1	1	1	1	1	1	1	1	1
41.25°	2	1	1	1	1	1	1	1	1	1	1
40°	2	1	1	1	1	1	1	1	1	1	1
38.75°	2	2	1	1	1	1	1	1	1	1	1
37.5°	2	2	1	1	1	1	1	1	1	1	1
36.25°	2	2	1	1	1	1	1	1	1	1	1
35°	2	2	2	1	1	1	1	1	1	1	1



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	2	1	1	1	1	1	1	1	1
32.5°	2	2	2	1	1	1	1	1	1	1	1
31.25°	2	2	2	2	1	1	1	1	1	1	1
30°	2	2	2	2	1	1	1	1	1	1	1
28.75°	2	2	2	2	1	1	1	1	1	1	1
27.5°	2	2	2	2	1	1	1	1	1	1	1
26.25°	3	2	2	2	2	1	1	1	1	1	1
25°	3	2	2	2	2	1	1	1	1	1	1
23.75°	3	2	2	2	2	1	1	1	1	1	1
22.5°	3	2	2	2	2	1	1	1	1	1	1
21.25°	3	3	2	2	2	1	1	1	1	1	1
20°	3	3	2	2	2	1	1	1	1	1	1
18.75°	3	3	2	2	2	2	1	1	1	1	1
17.5°	3	3	2	2	2	2	1	1	1	1	1
16.25°	3	3	2	2	2	2	1	1	1	1	1
15°	3	3	2	2	2	2	1	1	1	1	1
13.75°	3	3	3	2	2	2	1	1	1	1	1
12.5°	4	3	3	2	2	2	1	1	1	1	1
11.25°	4	3	3	2	2	2	1	1	1	1	1
10°	4	3	3	2	2	2	1	1	1	1	1
8.75°	4	3	3	2	2	2	1	1	1	1	1
7.5°	4	3	3	2	2	2	1	1	1	1	1
6.25°	4	3	3	2	2	2	2	1	1	1	1
5°	4	3	3	2	2	2	2	1	1	1	1
3.75°	4	3	3	2	2	2	2	1	1	1	1
2.5°	4	3	3	2	2	2	2	1	1	1	1
1.25°	4	3	3	2	2	2	2	1	1	1	1
0°	4	3	3	2	2	2	2	1	1	1	1
-1.25°	4	3	3	2	2	2	2	1	1	1	1
-2.5°	4	3	3	2	2	2	2	1	1	1	1
-3.75°	4	3	3	2	2	2	2	1	1	1	1
-5°	4	3	3	2	2	2	2	1	1	1	1
-6.25°	4	3	3	2	2	2	2	1	1	1	1
-7.5°	4	3	3	2	2	2	1	1	1	1	1
-8.75°	4	3	3	2	2	2	1	1	1	1	1
-10°	4	3	3	2	2	2	1	1	1	1	1
-11.25°	4	3	3	2	2	2	1	1	1	1	1
-12.5°	4	3	3	2	2	2	1	1	1	1	1
-13.75°	3	3	3	2	2	2	1	1	1	1	1
-15°	3	3	2	2	2	2	1	1	1	1	1
-16.25°	3	3	2	2	2	2	1	1	1	1	1
-17.5°	3	3	2	2	2	2	1	1	1	1	1
-18.75°	3	3	2	2	2	2	1	1	1	1	1
-20°	3	3	2	2	2	1	1	1	1	1	1
-21.25°	3	3	2	2	2	1	1	1	1	1	1



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	3	2	2	2	2	1	1	1	1	1	1
-23.75°	3	2	2	2	2	1	1	1	1	1	1
-25°	3	2	2	2	2	1	1	1	1	1	1
-26.25°	3	2	2	2	2	1	1	1	1	1	1
-27.5°	2	2	2	2	1	1	1	1	1	1	1
-28.75°	2	2	2	2	1	1	1	1	1	1	1
-30°	2	2	2	2	1	1	1	1	1	1	1
-31.25°	2	2	2	2	1	1	1	1	1	1	1
-32.5°	2	2	2	1	1	1	1	1	1	1	1
-33.75°	2	2	2	1	1	1	1	1	1	1	1
-35°	2	2	2	1	1	1	1	1	1	1	1
-36.25°	2	2	1	1	1	1	1	1	1	1	1
-37.5°	2	2	1	1	1	1	1	1	1	1	1
-38.75°	2	2	1	1	1	1	1	1	1	1	1
-40°	2	1	1	1	1	1	1	1	1	1	1
-41.25°	2	1	1	1	1	1	1	1	1	1	1
-42.5°	1	1	1	1	1	1	1	1	1	1	1
-43.75°	1	1	1	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	0
-46.25°	1	1	1	1	1	1	1	1	1	1	0
-47.5°	1	1	1	1	1	1	1	1	1	1	0
-48.75°	1	1	1	1	1	1	1	1	1	0	0
-50°	1	1	1	1	1	1	1	1	1	0	0
-51.25°	1	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	1	0	0	0
-53.75°	1	1	1	1	1	1	1	1	0	0	0
-55°	1	1	1	1	1	1	1	0	0	0	0
-56.25°	1	1	1	1	1	1	1	0	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-58.75°	1	1	1	1	1	0	0	0	0	0	0
-60°	1	1	1	1	1	0	0	0	0	0	0
-61.25°	1	1	1	1	0	0	0	0	0	0	0
-62.5°	1	1	1	0	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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	0	0	0	0	0	0	0	0	0	0
37.5°	1	0	0	0	0	0	0	0	0	0	0
36.25°	1	0	0	0	0	0	0	0	0	0	0
35°	1	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	0	0	0	0	0	0	0	0	0	0
32.5°	1	1	0	0	0	0	0	0	0	0	0
31.25°	1	1	0	0	0	0	0	0	0	0	0
30°	1	1	0	0	0	0	0	0	0	0	0
28.75°	1	1	0	0	0	0	0	0	0	0	0
27.5°	1	1	0	0	0	0	0	0	0	0	0
26.25°	1	1	0	0	0	0	0	0	0	0	0
25°	1	1	0	0	0	0	0	0	0	0	0
23.75°	1	1	0	0	0	0	0	0	0	0	0
22.5°	1	1	0	0	0	0	0	0	0	0	0
21.25°	1	1	1	0	0	0	0	0	0	0	0
20°	1	1	1	0	0	0	0	0	0	0	0
18.75°	1	1	1	0	0	0	0	0	0	0	0
17.5°	1	1	1	0	0	0	0	0	0	0	0
16.25°	1	1	1	0	0	0	0	0	0	0	0
15°	1	1	1	0	0	0	0	0	0	0	0
13.75°	1	1	1	0	0	0	0	0	0	0	0
12.5°	1	1	1	0	0	0	0	0	0	0	0
11.25°	1	1	1	0	0	0	0	0	0	0	0
10°	1	1	1	0	0	0	0	0	0	0	0
8.75°	1	1	1	0	0	0	0	0	0	0	0
7.5°	1	1	1	0	0	0	0	0	0	0	0
6.25°	1	1	1	0	0	0	0	0	0	0	0
5°	1	1	1	0	0	0	0	0	0	0	0
3.75°	1	1	1	0	0	0	0	0	0	0	0
2.5°	1	1	1	0	0	0	0	0	0	0	0
1.25°	1	1	1	0	0	0	0	0	0	0	0
0°	1	1	1	0	0	0	0	0	0	0	0
-1.25°	1	1	1	0	0	0	0	0	0	0	0
-2.5°	1	1	1	0	0	0	0	0	0	0	0
-3.75°	1	1	1	0	0	0	0	0	0	0	0
-5°	1	1	1	0	0	0	0	0	0	0	0
-6.25°	1	1	1	0	0	0	0	0	0	0	0
-7.5°	1	1	1	0	0	0	0	0	0	0	0
-8.75°	1	1	1	0	0	0	0	0	0	0	0
-10°	1	1	1	0	0	0	0	0	0	0	0
-11.25°	1	1	1	0	0	0	0	0	0	0	0
-12.5°	1	1	1	0	0	0	0	0	0	0	0
-13.75°	1	1	1	0	0	0	0	0	0	0	0
-15°	1	1	1	0	0	0	0	0	0	0	0
-16.25°	1	1	1	0	0	0	0	0	0	0	0
-17.5°	1	1	1	0	0	0	0	0	0	0	0
-18.75°	1	1	1	0	0	0	0	0	0	0	0
-20°	1	1	1	0	0	0	0	0	0	0	0
-21.25°	1	1	1	0	0	0	0	0	0	0	0



REPORT NUMBER: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	1	0	0	0	0	0	0	0	0	0
-23.75°	1	1	0	0	0	0	0	0	0	0	0
-25°	1	1	0	0	0	0	0	0	0	0	0
-26.25°	1	1	0	0	0	0	0	0	0	0	0
-27.5°	1	1	0	0	0	0	0	0	0	0	0
-28.75°	1	1	0	0	0	0	0	0	0	0	0
-30°	1	1	0	0	0	0	0	0	0	0	0
-31.25°	1	1	0	0	0	0	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0	0	0	0	0
-33.75°	1	0	0	0	0	0	0	0	0	0	0
-35°	1	0	0	0	0	0	0	0	0	0	0
-36.25°	1	0	0	0	0	0	0	0	0	0	0
-37.5°	1	0	0	0	0	0	0	0	0	0	0
-38.75°	1	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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220563 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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)