

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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

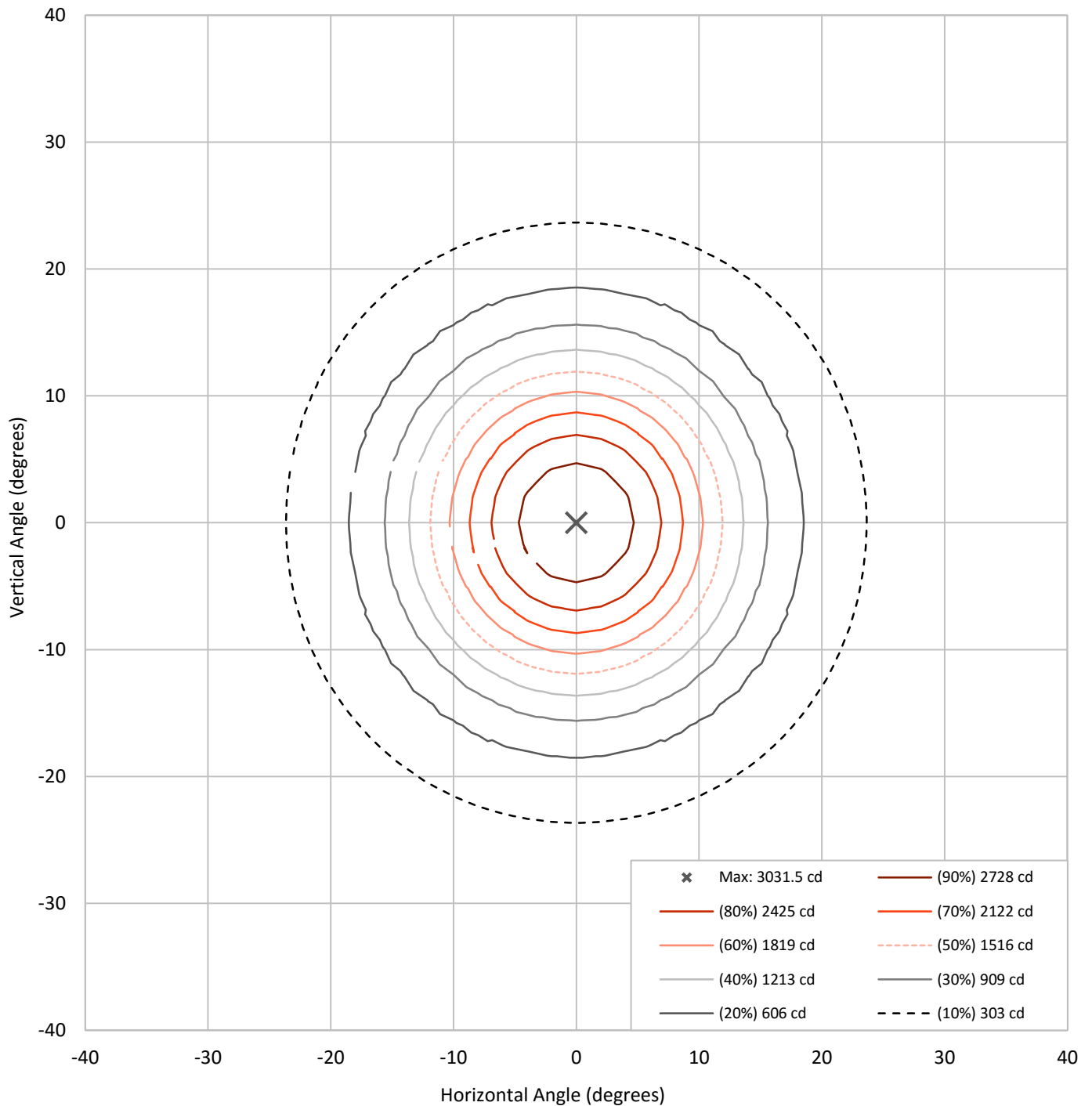
Test Method: LM-79-08
Report Number: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM 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:	631.7 lumens	Max Intensity:	3031.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	64.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.8°H x 23.8°V	Field Angle (10%):	47.4°H x 47.4°V
Beam Lumens:	296.5 lumens	Field Lumens:	569.4 lumens
Beam Efficiency:	46.9%	Field Efficiency:	90.1%
Input Watts (W):	9.8		
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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

Iso-Candela Plot





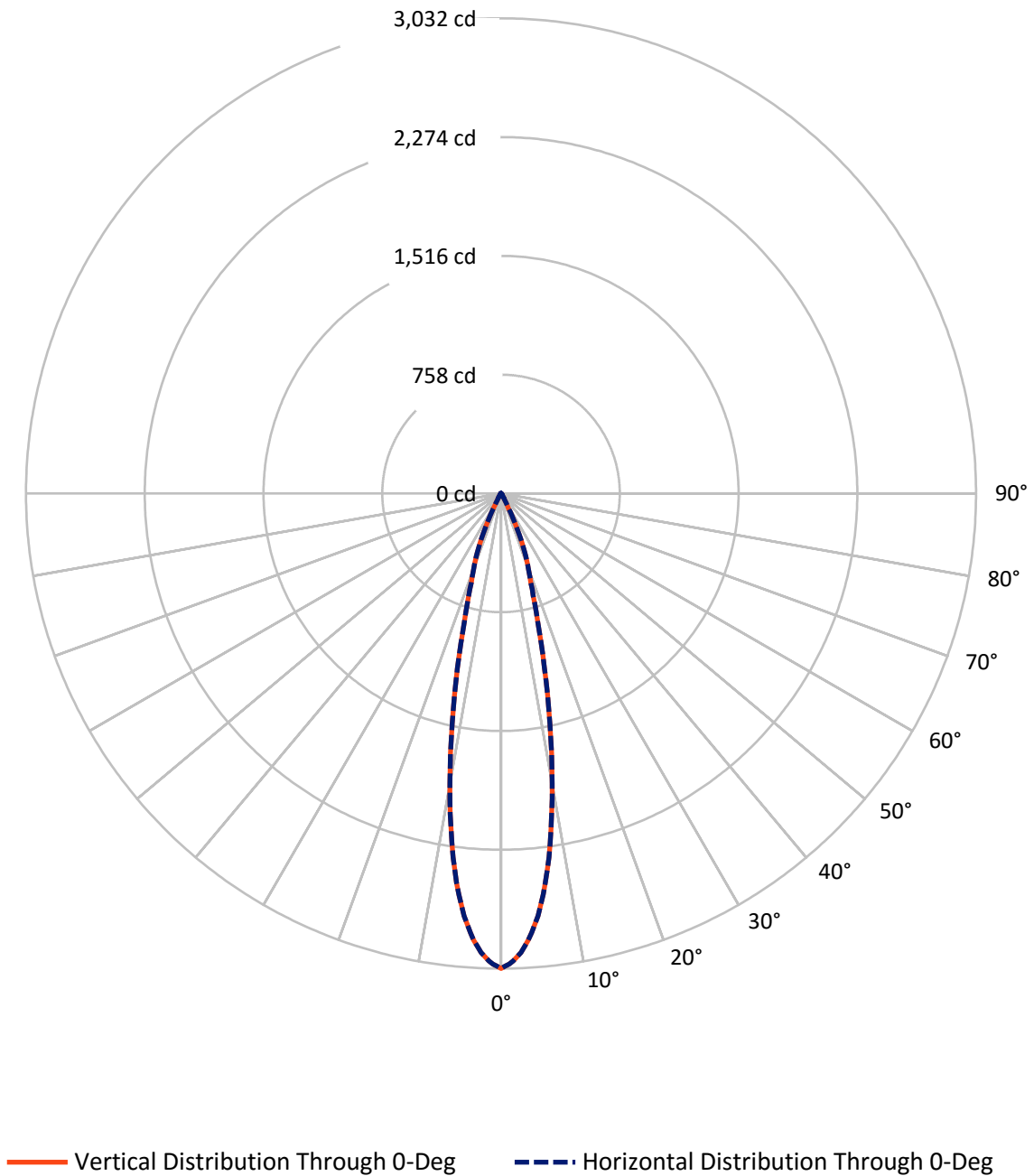
REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.2	0.5	2.5	6.3	6.3	2.5	0.5	0.2	0.1	0.0	0.0	0.0	
20		0.0	0.1	0.1	0.3	2.4	13.3	27.9	27.9	13.3	2.4	0.3	0.1	0.1	0.0		
10	0.0	0.0	0.1	0.1	0.4	5.8	27.2	68.3	68.3	27.2	5.8	0.4	0.1	0.1	0.0	0.0	
0		0.0	0.1	0.1	0.4	5.8	27.2	68.3	68.3	27.2	5.8	0.4	0.1	0.1	0.0		
-10	0.0	0.0	0.1	0.1	0.3	2.4	13.3	27.9	27.9	13.3	2.4	0.3	0.1	0.1	0.0	0.0	
-20		0.0	0.0	0.1	0.2	0.5	2.5	6.3	6.3	2.5	0.5	0.2	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	
-40		0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-60		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	0.0	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	0.0	

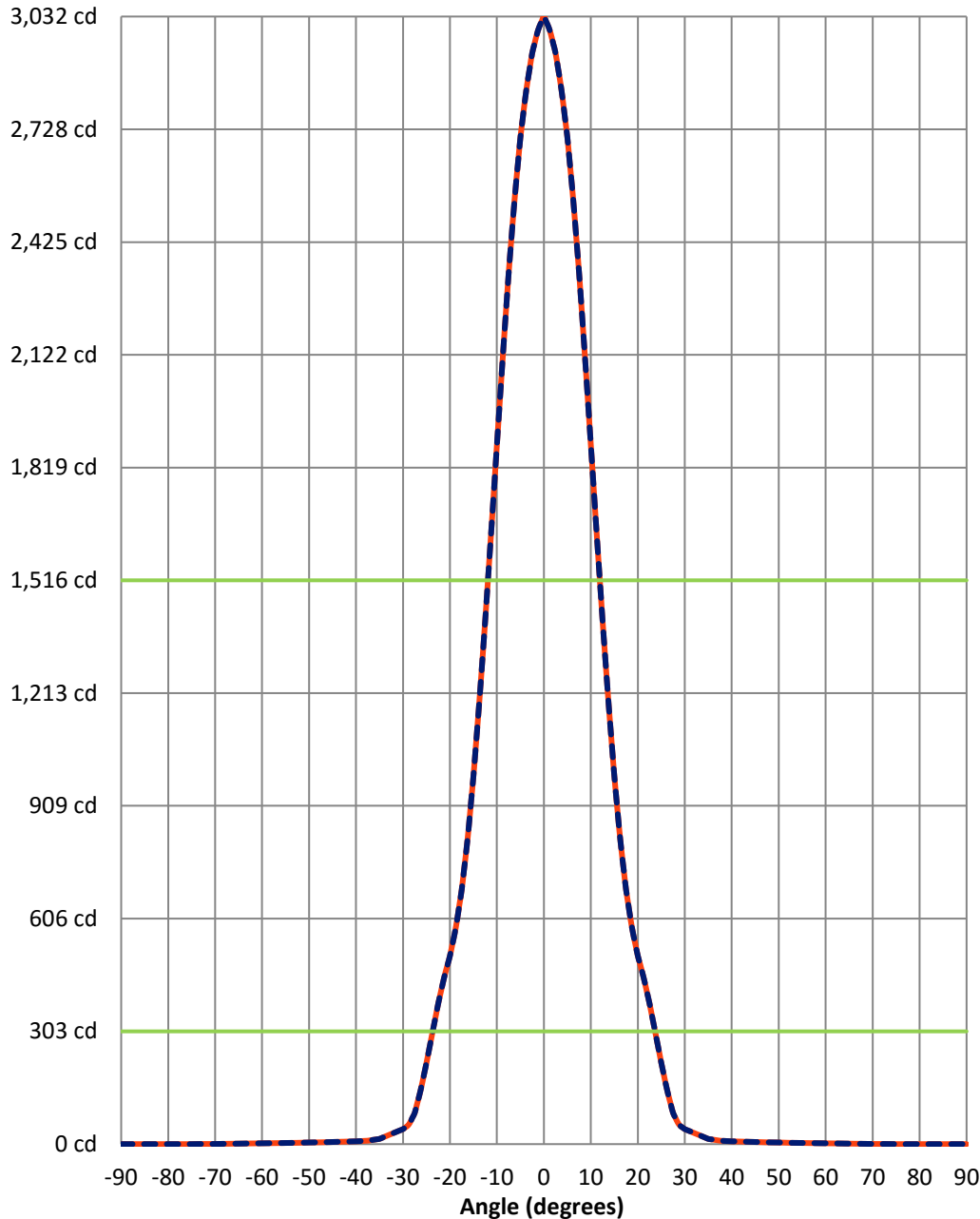
REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.8°
 V Angle: 23.8°
 Lumens: 296.5
 Efficiency: 46.9%

Field:
 H Angle: 47.4°
 V Angle: 47.4°
 Lumens: 569.4
 Efficiency: 90.1%

Spill:
 Lumens: 62.3
 Efficiency: 9.9%

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
56.25°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
53.75°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
51.25°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	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	1
36.25°	0	0	0	0	0	0	0	0	0	0	1
35°	0	0	0	0	0	0	0	0	0	0	1



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	0	0	0	0	0	0	0	1	1	1	1
-23.75°	0	0	0	0	0	0	0	1	1	1	1
-25°	0	0	0	0	0	0	0	0	1	1	1
-26.25°	0	0	0	0	0	0	0	0	1	1	1
-27.5°	0	0	0	0	0	0	0	0	1	1	1
-28.75°	0	0	0	0	0	0	0	0	1	1	1
-30°	0	0	0	0	0	0	0	0	0	1	1
-31.25°	0	0	0	0	0	0	0	0	0	1	1
-32.5°	0	0	0	0	0	0	0	0	0	1	1
-33.75°	0	0	0	0	0	0	0	0	0	1	1
-35°	0	0	0	0	0	0	0	0	0	0	1
-36.25°	0	0	0	0	0	0	0	0	0	0	1
-37.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	1	1	1	1	2	2	2	2	2	2	3
32.5°	1	1	1	1	2	2	2	2	2	2	3
31.25°	1	1	1	2	2	2	2	2	2	3	3
30°	1	1	1	2	2	2	2	2	2	3	3
28.75°	1	1	1	2	2	2	2	2	3	3	3
27.5°	1	1	2	2	2	2	2	2	3	3	3
26.25°	1	1	2	2	2	2	2	3	3	3	3
25°	1	1	2	2	2	2	2	3	3	3	3
23.75°	1	2	2	2	2	2	2	3	3	3	3
22.5°	1	2	2	2	2	2	3	3	3	3	3
21.25°	1	2	2	2	2	2	3	3	3	3	3
20°	1	2	2	2	2	2	3	3	3	3	3
18.75°	1	2	2	2	2	2	3	3	3	3	3
17.5°	2	2	2	2	2	3	3	3	3	3	4
16.25°	2	2	2	2	2	3	3	3	3	3	4
15°	2	2	2	2	2	3	3	3	3	3	4
13.75°	2	2	2	2	2	3	3	3	3	3	4
12.5°	2	2	2	2	2	3	3	3	3	4	4
11.25°	2	2	2	2	2	3	3	3	3	4	4
10°	2	2	2	2	3	3	3	3	3	4	4
8.75°	2	2	2	2	3	3	3	3	3	4	4
7.5°	2	2	2	2	3	3	3	3	3	4	4
6.25°	2	2	2	2	3	3	3	3	3	4	4
5°	2	2	2	2	3	3	3	3	3	4	4
3.75°	2	2	2	2	3	3	3	3	3	4	4
2.5°	2	2	2	2	3	3	3	3	3	4	4
1.25°	2	2	2	2	3	3	3	3	3	4	4
0°	2	2	2	2	3	3	3	3	4	4	4
-1.25°	2	2	2	2	3	3	3	3	3	4	4
-2.5°	2	2	2	2	3	3	3	3	3	4	4
-3.75°	2	2	2	2	3	3	3	3	3	4	4
-5°	2	2	2	2	3	3	3	3	3	4	4
-6.25°	2	2	2	2	3	3	3	3	3	4	4
-7.5°	2	2	2	2	3	3	3	3	3	4	4
-8.75°	2	2	2	2	3	3	3	3	3	4	4
-10°	2	2	2	2	3	3	3	3	3	4	4
-11.25°	2	2	2	2	2	3	3	3	3	4	4
-12.5°	2	2	2	2	2	3	3	3	3	4	4
-13.75°	2	2	2	2	2	3	3	3	3	3	4
-15°	2	2	2	2	2	3	3	3	3	3	4
-16.25°	2	2	2	2	2	3	3	3	3	3	4
-17.5°	2	2	2	2	2	3	3	3	3	3	4
-18.75°	1	2	2	2	2	2	3	3	3	3	3
-20°	1	2	2	2	2	2	3	3	3	3	3
-21.25°	1	2	2	2	2	2	3	3	3	3	3



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	1	2	2	2	2	2	3	3	3	3	3
-23.75°	1	2	2	2	2	2	2	3	3	3	3
-25°	1	1	2	2	2	2	2	3	3	3	3
-26.25°	1	1	2	2	2	2	2	3	3	3	3
-27.5°	1	1	2	2	2	2	2	2	3	3	3
-28.75°	1	1	1	2	2	2	2	2	3	3	3
-30°	1	1	1	2	2	2	2	2	2	3	3
-31.25°	1	1	1	2	2	2	2	2	2	3	3
-32.5°	1	1	1	1	2	2	2	2	2	2	3
-33.75°	1	1	1	1	2	2	2	2	2	2	3
-35°	1	1	1	1	2	2	2	2	2	2	2
-36.25°	1	1	1	1	1	2	2	2	2	2	2
-37.5°	1	1	1	1	1	2	2	2	2	2	2
-38.75°	1	1	1	1	1	1	2	2	2	2	2
-40°	1	1	1	1	1	1	2	2	2	2	2
-41.25°	0	1	1	1	1	1	1	2	2	2	2
-42.5°	0	1	1	1	1	1	1	1	2	2	2
-43.75°	0	0	1	1	1	1	1	1	2	2	2
-45°	0	0	1	1	1	1	1	1	1	2	2
-46.25°	0	0	0	1	1	1	1	1	1	1	2
-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	0	1	1	1	1	1	1
-51.25°	0	0	0	0	0	0	1	1	1	1	1
-52.5°	0	0	0	0	0	0	0	1	1	1	1
-53.75°	0	0	0	0	0	0	0	0	1	1	1
-55°	0	0	0	0	0	0	0	0	0	1	1
-56.25°	0	0	0	0	0	0	0	0	0	0	1
-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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	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	1	1
62.5°	0	0	0	0	0	0	0	1	1	1	1
61.25°	0	0	0	0	0	1	1	1	1	1	1
60°	0	0	0	1	1	1	1	1	1	1	1
58.75°	0	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	2	2
55°	1	1	1	1	1	1	1	2	2	2	2
53.75°	1	1	1	1	1	1	2	2	2	2	2
52.5°	1	1	1	1	2	2	2	2	2	2	2
51.25°	1	1	1	2	2	2	2	2	2	2	2
50°	1	1	2	2	2	2	2	2	2	2	2
48.75°	1	2	2	2	2	2	2	2	2	2	3
47.5°	2	2	2	2	2	2	2	2	2	3	3
46.25°	2	2	2	2	2	2	2	3	3	3	3
45°	2	2	2	2	2	2	3	3	3	3	3
43.75°	2	2	2	2	2	3	3	3	3	3	3
42.5°	2	2	2	2	3	3	3	3	3	3	3
41.25°	2	2	2	3	3	3	3	3	3	3	3
40°	2	2	3	3	3	3	3	3	3	3	4
38.75°	2	2	3	3	3	3	3	3	3	4	4
37.5°	2	3	3	3	3	3	3	3	4	4	4
36.25°	3	3	3	3	3	3	3	4	4	4	4
35°	3	3	3	3	3	3	4	4	4	4	5



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	3	3	3	3	3	4	4	4	4	5	5
32.5°	3	3	3	3	4	4	4	4	5	5	5
31.25°	3	3	3	3	4	4	4	5	5	5	5
30°	3	3	3	4	4	4	5	5	5	5	5
28.75°	3	3	3	4	4	4	5	5	5	5	6
27.5°	3	3	4	4	4	5	5	5	5	6	6
26.25°	3	3	4	4	4	5	5	5	5	6	6
25°	3	4	4	4	5	5	5	5	6	6	6
23.75°	3	4	4	4	5	5	5	6	6	6	7
22.5°	4	4	4	5	5	5	5	6	6	6	7
21.25°	4	4	4	5	5	5	6	6	6	7	7
20°	4	4	4	5	5	5	6	6	6	7	7
18.75°	4	4	5	5	5	5	6	6	7	7	7
17.5°	4	4	5	5	5	6	6	6	7	7	8
16.25°	4	4	5	5	5	6	6	7	7	7	8
15°	4	5	5	5	5	6	6	7	7	8	8
13.75°	4	5	5	5	6	6	6	7	7	8	9
12.5°	4	5	5	5	6	6	7	7	7	8	9
11.25°	4	5	5	5	6	6	7	7	7	8	9
10°	4	5	5	5	6	6	7	7	8	8	9
8.75°	5	5	5	5	6	6	7	7	8	9	10
7.5°	5	5	5	6	6	6	7	7	8	9	10
6.25°	5	5	5	6	6	6	7	7	8	9	11
5°	5	5	5	6	6	7	7	7	8	9	11
3.75°	5	5	5	6	6	7	7	7	8	9	11
2.5°	5	5	5	6	6	7	7	7	8	9	11
1.25°	5	5	5	6	6	7	7	7	8	9	12
0°	5	5	5	6	6	7	7	8	8	9	12
-1.25°	5	5	5	6	6	7	7	7	8	9	12
-2.5°	5	5	5	6	6	7	7	7	8	9	11
-3.75°	5	5	5	6	6	7	7	7	8	9	11
-5°	5	5	5	6	6	7	7	7	8	9	11
-6.25°	5	5	5	6	6	6	7	7	8	9	11
-7.5°	5	5	5	6	6	6	7	7	8	9	10
-8.75°	5	5	5	5	6	6	7	7	8	9	10
-10°	4	5	5	5	6	6	7	7	8	8	9
-11.25°	4	5	5	5	6	6	7	7	7	8	9
-12.5°	4	5	5	5	6	6	7	7	7	8	9
-13.75°	4	5	5	5	6	6	6	7	7	8	9
-15°	4	5	5	5	5	6	6	7	7	8	8
-16.25°	4	4	5	5	5	6	6	7	7	7	8
-17.5°	4	4	5	5	5	6	6	6	7	7	8
-18.75°	4	4	5	5	5	5	6	6	7	7	7
-20°	4	4	4	5	5	5	6	6	6	7	7
-21.25°	4	4	4	5	5	5	6	6	6	7	7



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	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	1	1
66.25°	0	0	0	0	0	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	2	2	2	2	2
58.75°	1	1	1	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	3
53.75°	2	2	2	2	2	2	2	3	3	3	3
52.5°	2	2	2	2	2	3	3	3	3	3	3
51.25°	2	2	2	3	3	3	3	3	3	3	3
50°	2	3	3	3	3	3	3	3	3	3	3
48.75°	3	3	3	3	3	3	3	3	3	3	4
47.5°	3	3	3	3	3	3	3	3	4	4	4
46.25°	3	3	3	3	3	3	4	4	4	4	4
45°	3	3	3	3	4	4	4	4	4	4	5
43.75°	3	3	4	4	4	4	4	4	5	5	5
42.5°	3	4	4	4	4	4	5	5	5	5	5
41.25°	4	4	4	4	5	5	5	5	5	5	5
40°	4	4	4	5	5	5	5	5	5	6	6
38.75°	4	4	5	5	5	5	5	5	6	6	6
37.5°	4	5	5	5	5	5	6	6	6	6	6
36.25°	5	5	5	5	5	6	6	6	6	7	7
35°	5	5	5	6	6	6	6	7	7	7	7



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	5	5	6	6	6	6	7	7	7	7	8
32.5°	5	6	6	6	6	7	7	7	7	8	8
31.25°	6	6	6	6	7	7	7	8	8	9	9
30°	6	6	6	7	7	7	8	8	9	9	10
28.75°	6	6	7	7	7	8	8	9	9	11	12
27.5°	6	7	7	7	8	8	9	10	11	13	14
26.25°	7	7	7	8	8	9	10	11	13	15	19
25°	7	7	7	8	9	9	11	13	15	20	24
23.75°	7	7	8	9	9	11	13	15	20	24	28
22.5°	7	8	8	9	10	12	14	19	24	28	33
21.25°	7	8	9	10	12	14	18	23	28	33	37
20°	8	8	9	11	13	16	22	27	32	37	42
18.75°	8	9	10	12	14	20	25	31	36	41	48
17.5°	8	9	11	13	18	23	29	34	39	46	61
16.25°	9	10	12	15	21	26	32	37	44	56	84
15°	9	11	13	18	23	29	35	41	49	70	113
13.75°	10	12	14	20	26	32	38	44	59	94	148
12.5°	10	13	16	22	28	34	40	49	74	121	183
11.25°	11	13	18	24	31	37	43	58	93	150	217
10°	12	14	20	26	33	39	46	66	114	178	249
8.75°	12	15	22	28	34	41	52	81	136	205	279
7.5°	13	17	23	30	36	43	57	94	156	229	304
6.25°	13	18	24	31	37	45	62	107	174	250	327
5°	13	19	25	32	38	46	68	120	190	267	345
3.75°	14	20	26	33	39	48	75	130	202	281	359
2.5°	14	20	27	33	40	50	80	138	211	290	369
1.25°	14	20	27	34	40	51	83	142	217	296	376
0°	14	21	27	34	40	52	84	144	218	298	378
-1.25°	14	20	27	34	40	51	83	142	217	296	376
-2.5°	14	20	27	33	40	50	80	138	211	290	369
-3.75°	14	20	26	33	39	48	75	130	202	281	359
-5°	13	19	25	32	38	46	68	120	190	267	345
-6.25°	13	18	24	31	37	45	62	107	174	250	327
-7.5°	13	17	23	30	36	43	57	94	156	229	304
-8.75°	12	15	22	28	34	41	52	81	136	205	279
-10°	12	14	20	26	33	39	46	66	114	178	249
-11.25°	11	13	18	24	31	37	43	58	93	150	217
-12.5°	10	13	16	22	28	34	40	49	74	121	183
-13.75°	10	12	14	20	26	32	38	44	59	94	148
-15°	9	11	13	18	23	29	35	41	49	70	113
-16.25°	9	10	12	15	21	26	32	37	44	56	84
-17.5°	8	9	11	13	18	23	29	34	39	46	61
-18.75°	8	9	10	12	14	20	25	31	36	41	48
-20°	8	8	9	11	13	16	22	27	32	37	42
-21.25°	7	8	9	10	12	14	18	23	28	33	37



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	7	8	8	9	10	12	14	19	24	28	33
-23.75°	7	7	8	9	9	11	13	15	20	24	28
-25°	7	7	7	8	9	9	11	13	15	20	24
-26.25°	7	7	7	8	8	9	10	11	13	15	19
-27.5°	6	7	7	7	8	8	9	10	11	13	14
-28.75°	6	6	7	7	7	8	8	9	9	11	12
-30°	6	6	6	7	7	7	8	8	9	9	10
-31.25°	6	6	6	6	7	7	7	8	8	9	9
-32.5°	5	6	6	6	6	7	7	7	7	8	8
-33.75°	5	5	6	6	6	6	7	7	7	7	8
-35°	5	5	5	6	6	6	6	7	7	7	7
-36.25°	5	5	5	5	5	6	6	6	6	7	7
-37.5°	4	5	5	5	5	5	6	6	6	6	6
-38.75°	4	4	5	5	5	5	5	5	6	6	6
-40°	4	4	4	5	5	5	5	5	5	6	6
-41.25°	4	4	4	4	5	5	5	5	5	5	5
-42.5°	3	4	4	4	4	4	5	5	5	5	5
-43.75°	3	3	4	4	4	4	4	4	5	5	5
-45°	3	3	3	3	4	4	4	4	4	4	5
-46.25°	3	3	3	3	3	3	4	4	4	4	4
-47.5°	3	3	3	3	3	3	3	3	4	4	4
-48.75°	3	3	3	3	3	3	3	3	3	3	4
-50°	2	3	3	3	3	3	3	3	3	3	3
-51.25°	2	2	2	3	3	3	3	3	3	3	3
-52.5°	2	2	2	2	2	3	3	3	3	3	3
-53.75°	2	2	2	2	2	2	2	3	3	3	3
-55°	2	2	2	2	2	2	2	2	2	2	3
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	1	1	1	2	2	2	2	2	2	2	2
-60°	1	1	1	1	1	1	2	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	0	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	0	1	1
-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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	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	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	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	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	3	3
56.25°	2	2	2	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	4	4	4	4
50°	3	3	3	4	4	4	4	4	4	4	4
48.75°	4	4	4	4	4	4	4	4	4	4	5
47.5°	4	4	4	4	4	5	5	5	5	5	5
46.25°	4	4	5	5	5	5	5	5	5	5	5
45°	5	5	5	5	5	5	5	5	5	5	5
43.75°	5	5	5	5	5	5	6	6	6	6	6
42.5°	5	5	5	6	6	6	6	6	6	6	6
41.25°	6	6	6	6	6	6	6	7	7	7	7
40°	6	6	6	6	7	7	7	7	7	7	7
38.75°	6	6	7	7	7	7	7	7	7	8	8
37.5°	7	7	7	7	7	8	8	8	8	8	9
36.25°	7	7	7	8	8	8	9	9	9	9	10
35°	7	8	8	8	9	9	10	10	11	12	12



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	8	8	9	9	10	11	12	13	13	14	15
32.5°	9	9	10	11	12	13	14	16	18	20	22
31.25°	10	11	12	13	15	18	20	22	24	26	28
30°	12	13	14	18	21	23	26	28	31	33	34
28.75°	14	16	20	23	26	29	32	34	37	39	41
27.5°	18	22	25	29	32	35	38	40	43	46	52
26.25°	23	27	31	34	37	41	44	49	58	66	81
25°	28	32	36	39	44	49	59	74	93	114	136
23.75°	33	37	41	46	56	70	94	121	150	178	205
22.5°	37	42	48	61	84	113	148	183	217	249	279
21.25°	42	50	64	93	129	169	210	250	287	322	353
20°	50	65	97	139	184	230	275	318	357	392	421
18.75°	64	97	142	192	243	292	340	383	421	452	478
17.5°	93	139	192	247	301	353	401	440	474	503	534
16.25°	129	184	243	301	358	410	452	488	524	561	607
15°	169	230	292	353	410	456	495	538	586	640	701
13.75°	210	275	340	401	452	495	542	599	665	737	818
12.5°	250	318	383	440	488	538	599	674	759	853	958
11.25°	287	357	421	474	524	586	665	759	867	988	1111
10°	322	392	452	503	561	640	737	853	988	1128	1272
8.75°	353	421	478	534	607	701	818	958	1111	1272	1433
7.5°	379	445	500	562	650	762	900	1060	1231	1411	1591
6.25°	402	465	521	595	695	821	978	1153	1343	1539	1737
5°	419	479	541	623	733	876	1049	1239	1443	1655	1866
3.75°	431	491	556	647	770	925	1107	1309	1525	1750	1972
2.5°	440	499	569	667	796	961	1149	1362	1588	1821	2052
1.25°	446	505	578	680	812	982	1178	1395	1626	1865	2101
0°	448	506	581	684	818	989	1187	1406	1640	1880	2117
-1.25°	446	505	578	680	812	982	1178	1395	1626	1865	2101
-2.5°	440	499	569	667	796	961	1149	1362	1588	1821	2052
-3.75°	431	491	556	647	770	925	1107	1309	1525	1750	1972
-5°	419	479	541	623	733	876	1049	1239	1443	1655	1866
-6.25°	402	465	521	595	695	821	978	1153	1343	1539	1737
-7.5°	379	445	500	562	650	762	900	1060	1231	1411	1591
-8.75°	353	421	478	534	607	701	818	958	1111	1272	1433
-10°	322	392	452	503	561	640	737	853	988	1128	1272
-11.25°	287	357	421	474	524	586	665	759	867	988	1111
-12.5°	250	318	383	440	488	538	599	674	759	853	958
-13.75°	210	275	340	401	452	495	542	599	665	737	818
-15°	169	230	292	353	410	456	495	538	586	640	701
-16.25°	129	184	243	301	358	410	452	488	524	561	607
-17.5°	93	139	192	247	301	353	401	440	474	503	534
-18.75°	64	97	142	192	243	292	340	383	421	452	478
-20°	50	65	97	139	184	230	275	318	357	392	421
-21.25°	42	50	64	93	129	169	210	250	287	322	353



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	37	42	48	61	84	113	148	183	217	249	279
-23.75°	33	37	41	46	56	70	94	121	150	178	205
-25°	28	32	36	39	44	49	59	74	93	114	136
-26.25°	23	27	31	34	37	41	44	49	58	66	81
-27.5°	18	22	25	29	32	35	38	40	43	46	52
-28.75°	14	16	20	23	26	29	32	34	37	39	41
-30°	12	13	14	18	21	23	26	28	31	33	34
-31.25°	10	11	12	13	15	18	20	22	24	26	28
-32.5°	9	9	10	11	12	13	14	16	18	20	22
-33.75°	8	8	9	9	10	11	12	13	13	14	15
-35°	7	8	8	8	9	9	10	10	11	12	12
-36.25°	7	7	7	8	8	8	9	9	9	9	10
-37.5°	7	7	7	7	7	8	8	8	8	8	9
-38.75°	6	6	7	7	7	7	7	7	7	8	8
-40°	6	6	6	6	7	7	7	7	7	7	7
-41.25°	6	6	6	6	6	6	6	7	7	7	7
-42.5°	5	5	5	6	6	6	6	6	6	6	6
-43.75°	5	5	5	5	5	5	6	6	6	6	6
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	4	4	5	5	5	5	5	5	5	5	5
-47.5°	4	4	4	4	4	5	5	5	5	5	5
-48.75°	4	4	4	4	4	4	4	4	4	4	5
-50°	3	3	3	4	4	4	4	4	4	4	4
-51.25°	3	3	3	3	3	3	3	4	4	4	4
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	2	2	2	3	3	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	2	2	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	2	2	2	2	2	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°	0	0	0	0	0	0	1	1	1	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	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	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	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	4	3	3	3	3
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	4
48.75°	5	5	5	5	5	5	5	5	5	5	5
47.5°	5	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	6	6	6	6	6	6	6	6	6	6	6
43.75°	6	6	6	6	6	6	6	6	6	6	6
42.5°	6	6	7	7	7	7	7	7	7	7	7
41.25°	7	7	7	7	7	7	7	7	7	7	7
40°	7	7	7	7	7	7	8	7	7	7	7
38.75°	8	8	8	8	8	8	8	8	8	8	8
37.5°	9	9	9	9	9	9	9	9	9	9	9
36.25°	10	11	11	11	11	12	12	12	11	11	11
35°	13	13	13	14	14	14	14	14	14	14	13



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	17	18	19	20	20	20	21	20	20	20	19
32.5°	23	24	25	26	27	27	27	27	27	26	25
31.25°	30	31	32	33	33	34	34	34	33	33	32
30°	36	37	38	39	40	40	40	40	40	39	38
28.75°	43	45	46	48	50	51	52	51	50	48	46
27.5°	57	62	68	75	80	83	84	83	80	75	68
26.25°	94	107	120	130	138	142	144	142	138	130	120
25°	156	174	190	202	211	217	218	217	211	202	190
23.75°	229	250	267	281	290	296	298	296	290	281	267
22.5°	304	327	345	359	369	376	378	376	369	359	345
21.25°	379	402	419	431	440	446	448	446	440	431	419
20°	445	465	479	491	499	505	506	505	499	491	479
18.75°	500	521	541	556	569	578	581	578	569	556	541
17.5°	562	595	623	647	667	680	684	680	667	647	623
16.25°	650	695	733	770	796	812	818	812	796	770	733
15°	762	821	876	925	961	982	989	982	961	925	876
13.75°	900	978	1049	1107	1149	1178	1187	1178	1149	1107	1049
12.5°	1060	1153	1239	1309	1362	1395	1406	1395	1362	1309	1239
11.25°	1231	1343	1443	1525	1588	1626	1640	1626	1588	1525	1443
10°	1411	1539	1655	1750	1821	1865	1880	1865	1821	1750	1655
8.75°	1591	1737	1866	1972	2052	2101	2117	2101	2052	1972	1866
7.5°	1766	1927	2070	2186	2273	2324	2342	2324	2273	2186	2070
6.25°	1927	2102	2256	2378	2468	2522	2540	2522	2468	2378	2256
5°	2070	2256	2416	2541	2631	2687	2706	2687	2631	2541	2416
3.75°	2186	2378	2541	2668	2759	2818	2836	2818	2759	2668	2541
2.5°	2273	2468	2631	2759	2854	2914	2932	2914	2854	2759	2631
1.25°	2324	2522	2687	2818	2914	2974	2996	2974	2914	2818	2687
0°	2342	2540	2706	2836	2932	2996	3032	2996	2932	2836	2706
-1.25°	2324	2522	2687	2818	2914	2974	2996	2974	2914	2818	2687
-2.5°	2273	2468	2631	2759	2854	2914	2932	2914	2854	2759	2631
-3.75°	2186	2378	2541	2668	2759	2818	2836	2818	2759	2668	2541
-5°	2070	2256	2416	2541	2631	2687	2706	2687	2631	2541	2416
-6.25°	1927	2102	2256	2378	2468	2522	2540	2522	2468	2378	2256
-7.5°	1766	1927	2070	2186	2273	2324	2342	2324	2273	2186	2070
-8.75°	1591	1737	1866	1972	2052	2101	2117	2101	2052	1972	1866
-10°	1411	1539	1655	1750	1821	1865	1880	1865	1821	1750	1655
-11.25°	1231	1343	1443	1525	1588	1626	1640	1626	1588	1525	1443
-12.5°	1060	1153	1239	1309	1362	1395	1406	1395	1362	1309	1239
-13.75°	900	978	1049	1107	1149	1178	1187	1178	1149	1107	1049
-15°	762	821	876	925	961	982	989	982	961	925	876
-16.25°	650	695	733	770	796	812	818	812	796	770	733
-17.5°	562	595	623	647	667	680	684	680	667	647	623
-18.75°	500	521	541	556	569	578	581	578	569	556	541
-20°	445	465	479	491	499	505	506	505	499	491	479
-21.25°	379	402	419	431	440	446	448	446	440	431	419



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	304	327	345	359	369	376	378	376	369	359	345
-23.75°	229	250	267	281	290	296	298	296	290	281	267
-25°	156	174	190	202	211	217	218	217	211	202	190
-26.25°	94	107	120	130	138	142	144	142	138	130	120
-27.5°	57	62	68	75	80	83	84	83	80	75	68
-28.75°	43	45	46	48	50	51	52	51	50	48	46
-30°	36	37	38	39	40	40	40	40	40	39	38
-31.25°	30	31	32	33	33	34	34	34	33	33	32
-32.5°	23	24	25	26	27	27	27	27	27	26	25
-33.75°	17	18	19	20	20	20	21	20	20	20	19
-35°	13	13	13	14	14	14	14	14	14	14	13
-36.25°	10	11	11	11	11	12	12	12	11	11	11
-37.5°	9	9	9	9	9	9	9	9	9	9	9
-38.75°	8	8	8	8	8	8	8	8	8	8	8
-40°	7	7	7	7	7	7	8	7	7	7	7
-41.25°	7	7	7	7	7	7	7	7	7	7	7
-42.5°	6	6	7	7	7	7	7	7	7	7	7
-43.75°	6	6	6	6	6	6	6	6	6	6	6
-45°	6	6	6	6	6	6	6	6	6	6	6
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	4	4	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	3	3	3	4	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-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°	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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	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	1	1	1	0	0	0	0
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	2	2	2	2	2	1
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	2	2	2	2	2	2	2
56.25°	3	3	3	3	3	3	3	3	3	3	2
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	4	4	4	4	4	4	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	3
48.75°	5	5	5	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	5	5	5	4	4	4
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	6	6	5	5	5	5	5	5	5	5	5
43.75°	6	6	6	6	6	6	6	5	5	5	5
42.5°	6	6	6	6	6	6	6	6	6	6	5
41.25°	7	7	7	7	7	7	6	6	6	6	6
40°	7	7	7	7	7	7	7	7	7	6	6
38.75°	8	8	8	8	7	7	7	7	7	7	7
37.5°	9	9	9	8	8	8	8	8	7	7	7
36.25°	11	10	10	9	9	9	9	8	8	8	7
35°	13	13	12	12	11	10	10	9	9	8	8



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	18	17	15	14	13	13	12	11	10	9	9
32.5°	24	23	22	20	18	16	14	13	12	11	10
31.25°	31	30	28	26	24	22	20	18	15	13	12
30°	37	36	34	33	31	28	26	23	21	18	14
28.75°	45	43	41	39	37	34	32	29	26	23	20
27.5°	62	57	52	46	43	40	38	35	32	29	25
26.25°	107	94	81	66	58	49	44	41	37	34	31
25°	174	156	136	114	93	74	59	49	44	39	36
23.75°	250	229	205	178	150	121	94	70	56	46	41
22.5°	327	304	279	249	217	183	148	113	84	61	48
21.25°	402	379	353	322	287	250	210	169	129	93	64
20°	465	445	421	392	357	318	275	230	184	139	97
18.75°	521	500	478	452	421	383	340	292	243	192	142
17.5°	595	562	534	503	474	440	401	353	301	247	192
16.25°	695	650	607	561	524	488	452	410	358	301	243
15°	821	762	701	640	586	538	495	456	410	353	292
13.75°	978	900	818	737	665	599	542	495	452	401	340
12.5°	1153	1060	958	853	759	674	599	538	488	440	383
11.25°	1343	1231	1111	988	867	759	665	586	524	474	421
10°	1539	1411	1272	1128	988	853	737	640	561	503	452
8.75°	1737	1591	1433	1272	1111	958	818	701	607	534	478
7.5°	1927	1766	1591	1411	1231	1060	900	762	650	562	500
6.25°	2102	1927	1737	1539	1343	1153	978	821	695	595	521
5°	2256	2070	1866	1655	1443	1239	1049	876	733	623	541
3.75°	2378	2186	1972	1750	1525	1309	1107	925	770	647	556
2.5°	2468	2273	2052	1821	1588	1362	1149	961	796	667	569
1.25°	2522	2324	2101	1865	1626	1395	1178	982	812	680	578
0°	2540	2342	2117	1880	1640	1406	1187	989	818	684	581
-1.25°	2522	2324	2101	1865	1626	1395	1178	982	812	680	578
-2.5°	2468	2273	2052	1821	1588	1362	1149	961	796	667	569
-3.75°	2378	2186	1972	1750	1525	1309	1107	925	770	647	556
-5°	2256	2070	1866	1655	1443	1239	1049	876	733	623	541
-6.25°	2102	1927	1737	1539	1343	1153	978	821	695	595	521
-7.5°	1927	1766	1591	1411	1231	1060	900	762	650	562	500
-8.75°	1737	1591	1433	1272	1111	958	818	701	607	534	478
-10°	1539	1411	1272	1128	988	853	737	640	561	503	452
-11.25°	1343	1231	1111	988	867	759	665	586	524	474	421
-12.5°	1153	1060	958	853	759	674	599	538	488	440	383
-13.75°	978	900	818	737	665	599	542	495	452	401	340
-15°	821	762	701	640	586	538	495	456	410	353	292
-16.25°	695	650	607	561	524	488	452	410	358	301	243
-17.5°	595	562	534	503	474	440	401	353	301	247	192
-18.75°	521	500	478	452	421	383	340	292	243	192	142
-20°	465	445	421	392	357	318	275	230	184	139	97
-21.25°	402	379	353	322	287	250	210	169	129	93	64



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	327	304	279	249	217	183	148	113	84	61	48
-23.75°	250	229	205	178	150	121	94	70	56	46	41
-25°	174	156	136	114	93	74	59	49	44	39	36
-26.25°	107	94	81	66	58	49	44	41	37	34	31
-27.5°	62	57	52	46	43	40	38	35	32	29	25
-28.75°	45	43	41	39	37	34	32	29	26	23	20
-30°	37	36	34	33	31	28	26	23	21	18	14
-31.25°	31	30	28	26	24	22	20	18	15	13	12
-32.5°	24	23	22	20	18	16	14	13	12	11	10
-33.75°	18	17	15	14	13	13	12	11	10	9	9
-35°	13	13	12	12	11	10	10	9	9	8	8
-36.25°	11	10	10	9	9	9	9	8	8	8	7
-37.5°	9	9	9	8	8	8	8	8	7	7	7
-38.75°	8	8	8	8	7	7	7	7	7	7	7
-40°	7	7	7	7	7	7	7	7	7	6	6
-41.25°	7	7	7	7	7	7	6	6	6	6	6
-42.5°	6	6	6	6	6	6	6	6	6	6	5
-43.75°	6	6	6	6	6	6	6	5	5	5	5
-45°	6	6	5	5	5	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	4	4	4
-48.75°	5	5	5	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	3
-51.25°	4	4	4	4	4	4	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	2
-57.5°	3	3	3	3	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	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	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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	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°	1	1	1	1	0	0	0	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	0	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°	1	1	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	2	1	1	1	1
58.75°	2	2	2	2	2	2	2	2	2	2	1
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	2	2	2	2	2	2	2	2
53.75°	3	3	3	3	3	3	2	2	2	2	2
52.5°	3	3	3	3	3	3	3	3	2	2	2
51.25°	3	3	3	3	3	3	3	3	3	3	2
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	4	4	4	3	3	3	3	3	3	3	3
47.5°	4	4	4	4	4	3	3	3	3	3	3
46.25°	4	4	4	4	4	4	4	3	3	3	3
45°	5	5	5	4	4	4	4	4	4	3	3
43.75°	5	5	5	5	5	4	4	4	4	4	4
42.5°	5	5	5	5	5	5	5	4	4	4	4
41.25°	6	6	5	5	5	5	5	5	5	4	4
40°	6	6	6	6	5	5	5	5	5	5	4
38.75°	6	6	6	6	6	5	5	5	5	5	5
37.5°	7	7	6	6	6	6	6	5	5	5	5
36.25°	7	7	7	7	6	6	6	6	5	5	5
35°	8	7	7	7	7	7	6	6	6	6	5



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	8	8	8	7	7	7	7	6	6	6	6
32.5°	9	9	8	8	7	7	7	7	6	6	6
31.25°	11	10	9	9	8	8	7	7	7	6	6
30°	13	12	10	9	9	8	8	7	7	7	6
28.75°	16	14	12	11	9	9	8	8	7	7	7
27.5°	22	18	14	13	11	10	9	8	8	7	7
26.25°	27	23	19	15	13	11	10	9	8	8	7
25°	32	28	24	20	15	13	11	9	9	8	7
23.75°	37	33	28	24	20	15	13	11	9	9	8
22.5°	42	37	33	28	24	19	14	12	10	9	8
21.25°	50	42	37	33	28	23	18	14	12	10	9
20°	65	50	42	37	32	27	22	16	13	11	9
18.75°	97	64	48	41	36	31	25	20	14	12	10
17.5°	139	93	61	46	39	34	29	23	18	13	11
16.25°	184	129	84	56	44	37	32	26	21	15	12
15°	230	169	113	70	49	41	35	29	23	18	13
13.75°	275	210	148	94	59	44	38	32	26	20	14
12.5°	318	250	183	121	74	49	40	34	28	22	16
11.25°	357	287	217	150	93	58	43	37	31	24	18
10°	392	322	249	178	114	66	46	39	33	26	20
8.75°	421	353	279	205	136	81	52	41	34	28	22
7.5°	445	379	304	229	156	94	57	43	36	30	23
6.25°	465	402	327	250	174	107	62	45	37	31	24
5°	479	419	345	267	190	120	68	46	38	32	25
3.75°	491	431	359	281	202	130	75	48	39	33	26
2.5°	499	440	369	290	211	138	80	50	40	33	27
1.25°	505	446	376	296	217	142	83	51	40	34	27
0°	506	448	378	298	218	144	84	52	40	34	27
-1.25°	505	446	376	296	217	142	83	51	40	34	27
-2.5°	499	440	369	290	211	138	80	50	40	33	27
-3.75°	491	431	359	281	202	130	75	48	39	33	26
-5°	479	419	345	267	190	120	68	46	38	32	25
-6.25°	465	402	327	250	174	107	62	45	37	31	24
-7.5°	445	379	304	229	156	94	57	43	36	30	23
-8.75°	421	353	279	205	136	81	52	41	34	28	22
-10°	392	322	249	178	114	66	46	39	33	26	20
-11.25°	357	287	217	150	93	58	43	37	31	24	18
-12.5°	318	250	183	121	74	49	40	34	28	22	16
-13.75°	275	210	148	94	59	44	38	32	26	20	14
-15°	230	169	113	70	49	41	35	29	23	18	13
-16.25°	184	129	84	56	44	37	32	26	21	15	12
-17.5°	139	93	61	46	39	34	29	23	18	13	11
-18.75°	97	64	48	41	36	31	25	20	14	12	10
-20°	65	50	42	37	32	27	22	16	13	11	9
-21.25°	50	42	37	33	28	23	18	14	12	10	9



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	42	37	33	28	24	19	14	12	10	9	8
-23.75°	37	33	28	24	20	15	13	11	9	9	8
-25°	32	28	24	20	15	13	11	9	9	8	7
-26.25°	27	23	19	15	13	11	10	9	8	8	7
-27.5°	22	18	14	13	11	10	9	8	8	7	7
-28.75°	16	14	12	11	9	9	8	8	7	7	7
-30°	13	12	10	9	9	8	8	7	7	7	6
-31.25°	11	10	9	9	8	8	7	7	7	6	6
-32.5°	9	9	8	8	7	7	7	7	6	6	6
-33.75°	8	8	8	7	7	7	7	6	6	6	6
-35°	8	7	7	7	7	7	6	6	6	6	5
-36.25°	7	7	7	7	6	6	6	6	5	5	5
-37.5°	7	7	6	6	6	6	6	5	5	5	5
-38.75°	6	6	6	6	6	5	5	5	5	5	5
-40°	6	6	6	6	5	5	5	5	5	5	4
-41.25°	6	6	5	5	5	5	5	5	5	4	4
-42.5°	5	5	5	5	5	5	5	4	4	4	4
-43.75°	5	5	5	5	5	4	4	4	4	4	4
-45°	5	5	5	4	4	4	4	4	4	3	3
-46.25°	4	4	4	4	4	4	4	3	3	3	3
-47.5°	4	4	4	4	4	3	3	3	3	3	3
-48.75°	4	4	4	3	3	3	3	3	3	3	3
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	2
-52.5°	3	3	3	3	3	3	3	3	2	2	2
-53.75°	3	3	3	3	3	3	2	2	2	2	2
-55°	3	3	3	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	2
-58.75°	2	2	2	2	2	2	2	2	2	2	1
-60°	2	2	2	2	2	2	2	1	1	1	1
-61.25°	2	2	2	2	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	0	0	0
-67.5°	1	1	1	1	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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	5	5	5	5	4	4	4	4	3	3	3
32.5°	6	5	5	5	5	4	4	4	4	3	3
31.25°	6	6	5	5	5	5	4	4	4	3	3
30°	6	6	5	5	5	5	5	4	4	4	3
28.75°	6	6	6	5	5	5	5	4	4	4	3
27.5°	7	6	6	6	5	5	5	5	4	4	4
26.25°	7	7	6	6	5	5	5	5	4	4	4
25°	7	7	6	6	6	5	5	5	5	4	4
23.75°	7	7	7	6	6	6	5	5	5	4	4
22.5°	8	7	7	6	6	6	5	5	5	5	4
21.25°	8	7	7	7	6	6	6	5	5	5	4
20°	8	8	7	7	6	6	6	5	5	5	4
18.75°	9	8	7	7	7	6	6	5	5	5	5
17.5°	9	8	8	7	7	6	6	6	5	5	5
16.25°	10	9	8	7	7	7	6	6	5	5	5
15°	11	9	8	8	7	7	6	6	5	5	5
13.75°	12	10	9	8	7	7	6	6	6	5	5
12.5°	13	10	9	8	7	7	7	6	6	5	5
11.25°	13	11	9	8	7	7	7	6	6	5	5
10°	14	12	9	8	8	7	7	6	6	5	5
8.75°	15	12	10	9	8	7	7	6	6	5	5
7.5°	17	13	10	9	8	7	7	6	6	6	5
6.25°	18	13	11	9	8	7	7	6	6	6	5
5°	19	13	11	9	8	7	7	7	6	6	5
3.75°	20	14	11	9	8	7	7	7	6	6	5
2.5°	20	14	11	9	8	7	7	7	6	6	5
1.25°	20	14	12	9	8	7	7	7	6	6	5
0°	21	14	12	9	8	8	7	7	6	6	5
-1.25°	20	14	12	9	8	7	7	7	6	6	5
-2.5°	20	14	11	9	8	7	7	7	6	6	5
-3.75°	20	14	11	9	8	7	7	7	6	6	5
-5°	19	13	11	9	8	7	7	7	6	6	5
-6.25°	18	13	11	9	8	7	7	6	6	6	5
-7.5°	17	13	10	9	8	7	7	6	6	6	5
-8.75°	15	12	10	9	8	7	7	6	6	5	5
-10°	14	12	9	8	8	7	7	6	6	5	5
-11.25°	13	11	9	8	7	7	7	6	6	5	5
-12.5°	13	10	9	8	7	7	7	6	6	5	5
-13.75°	12	10	9	8	7	7	6	6	6	5	5
-15°	11	9	8	8	7	7	6	6	5	5	5
-16.25°	10	9	8	7	7	7	6	6	5	5	5
-17.5°	9	8	8	7	7	6	6	6	5	5	5
-18.75°	9	8	7	7	7	6	6	5	5	5	5
-20°	8	8	7	7	6	6	6	5	5	5	4
-21.25°	8	7	7	7	6	6	6	5	5	5	4



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	8	7	7	6	6	6	5	5	5	5	4
-23.75°	7	7	7	6	6	6	5	5	5	4	4
-25°	7	7	6	6	6	5	5	5	5	4	4
-26.25°	7	7	6	6	5	5	5	5	4	4	4
-27.5°	7	6	6	6	5	5	5	5	4	4	4
-28.75°	6	6	6	5	5	5	5	4	4	4	3
-30°	6	6	5	5	5	5	5	4	4	4	3
-31.25°	6	6	5	5	5	5	4	4	4	3	3
-32.5°	6	5	5	5	5	4	4	4	4	3	3
-33.75°	5	5	5	5	4	4	4	4	3	3	3
-35°	5	5	5	4	4	4	4	3	3	3	3
-36.25°	5	5	4	4	4	4	3	3	3	3	3
-37.5°	5	4	4	4	4	3	3	3	3	3	3
-38.75°	4	4	4	4	3	3	3	3	3	3	3
-40°	4	4	4	3	3	3	3	3	3	3	3
-41.25°	4	4	3	3	3	3	3	3	3	3	2
-42.5°	4	3	3	3	3	3	3	3	3	2	2
-43.75°	3	3	3	3	3	3	3	3	2	2	2
-45°	3	3	3	3	3	3	3	2	2	2	2
-46.25°	3	3	3	3	3	3	2	2	2	2	2
-47.5°	3	3	3	3	2	2	2	2	2	2	2
-48.75°	3	3	3	2	2	2	2	2	2	2	2
-50°	3	2	2	2	2	2	2	2	2	2	2
-51.25°	2	2	2	2	2	2	2	2	2	2	1
-52.5°	2	2	2	2	2	2	2	2	2	1	1
-53.75°	2	2	2	2	2	2	2	1	1	1	1
-55°	2	2	2	2	2	2	1	1	1	1	1
-56.25°	2	2	2	2	1	1	1	1	1	1	1
-57.5°	2	2	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	0
-61.25°	1	1	1	1	1	1	1	1	0	0	0
-62.5°	1	1	1	1	1	1	0	0	0	0	0
-63.75°	1	1	1	1	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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	3	3	3	2	2	2	2	2	2	1	1
32.5°	3	3	3	2	2	2	2	2	2	1	1
31.25°	3	3	3	3	2	2	2	2	2	2	1
30°	3	3	3	3	2	2	2	2	2	2	1
28.75°	3	3	3	3	3	2	2	2	2	2	1
27.5°	3	3	3	3	3	2	2	2	2	2	2
26.25°	3	3	3	3	3	3	2	2	2	2	2
25°	4	3	3	3	3	3	2	2	2	2	2
23.75°	4	3	3	3	3	3	2	2	2	2	2
22.5°	4	4	3	3	3	3	3	2	2	2	2
21.25°	4	4	3	3	3	3	3	2	2	2	2
20°	4	4	3	3	3	3	3	2	2	2	2
18.75°	4	4	3	3	3	3	3	2	2	2	2
17.5°	4	4	4	3	3	3	3	3	2	2	2
16.25°	4	4	4	3	3	3	3	3	2	2	2
15°	5	4	4	3	3	3	3	3	2	2	2
13.75°	5	4	4	3	3	3	3	3	2	2	2
12.5°	5	4	4	4	3	3	3	3	2	2	2
11.25°	5	4	4	4	3	3	3	3	2	2	2
10°	5	4	4	4	3	3	3	3	3	2	2
8.75°	5	5	4	4	3	3	3	3	3	2	2
7.5°	5	5	4	4	3	3	3	3	3	2	2
6.25°	5	5	4	4	3	3	3	3	3	2	2
5°	5	5	4	4	3	3	3	3	3	2	2
3.75°	5	5	4	4	3	3	3	3	3	2	2
2.5°	5	5	4	4	3	3	3	3	3	2	2
1.25°	5	5	4	4	3	3	3	3	3	2	2
0°	5	5	4	4	4	3	3	3	3	2	2
-1.25°	5	5	4	4	3	3	3	3	3	2	2
-2.5°	5	5	4	4	3	3	3	3	3	2	2
-3.75°	5	5	4	4	3	3	3	3	3	2	2
-5°	5	5	4	4	3	3	3	3	3	2	2
-6.25°	5	5	4	4	3	3	3	3	3	2	2
-7.5°	5	5	4	4	3	3	3	3	3	2	2
-8.75°	5	5	4	4	3	3	3	3	3	2	2
-10°	5	4	4	4	3	3	3	3	3	2	2
-11.25°	5	4	4	4	3	3	3	3	2	2	2
-12.5°	5	4	4	4	3	3	3	3	2	2	2
-13.75°	5	4	4	3	3	3	3	3	2	2	2
-15°	5	4	4	3	3	3	3	3	2	2	2
-16.25°	4	4	4	3	3	3	3	3	2	2	2
-17.5°	4	4	4	3	3	3	3	3	2	2	2
-18.75°	4	4	3	3	3	3	3	2	2	2	2
-20°	4	4	3	3	3	3	3	2	2	2	2
-21.25°	4	4	3	3	3	3	3	2	2	2	2



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	4	4	3	3	3	3	3	2	2	2	2
-23.75°	4	3	3	3	3	3	2	2	2	2	2
-25°	4	3	3	3	3	3	2	2	2	2	2
-26.25°	3	3	3	3	3	3	2	2	2	2	2
-27.5°	3	3	3	3	3	2	2	2	2	2	2
-28.75°	3	3	3	3	3	2	2	2	2	2	1
-30°	3	3	3	3	2	2	2	2	2	2	1
-31.25°	3	3	3	3	2	2	2	2	2	2	1
-32.5°	3	3	3	2	2	2	2	2	2	1	1
-33.75°	3	3	3	2	2	2	2	2	2	1	1
-35°	3	3	2	2	2	2	2	2	2	1	1
-36.25°	3	3	2	2	2	2	2	2	1	1	1
-37.5°	3	2	2	2	2	2	2	2	1	1	1
-38.75°	2	2	2	2	2	2	2	1	1	1	1
-40°	2	2	2	2	2	2	2	1	1	1	1
-41.25°	2	2	2	2	2	2	1	1	1	1	1
-42.5°	2	2	2	2	2	1	1	1	1	1	1
-43.75°	2	2	2	2	2	1	1	1	1	1	1
-45°	2	2	2	2	1	1	1	1	1	1	1
-46.25°	2	2	2	1	1	1	1	1	1	1	0
-47.5°	2	2	1	1	1	1	1	1	1	1	0
-48.75°	2	1	1	1	1	1	1	1	1	0	0
-50°	1	1	1	1	1	1	1	1	0	0	0
-51.25°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	1	0	0	0	0	0
-53.75°	1	1	1	1	1	0	0	0	0	0	0
-55°	1	1	1	1	0	0	0	0	0	0	0
-56.25°	1	1	1	0	0	0	0	0	0	0	0
-57.5°	1	1	0	0	0	0	0	0	0	0	0
-58.75°	1	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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
56.25°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
53.75°	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°	1	0	0	0	0	0	0	0	0	0	0
41.25°	1	0	0	0	0	0	0	0	0	0	0
40°	1	1	0	0	0	0	0	0	0	0	0
38.75°	1	1	0	0	0	0	0	0	0	0	0
37.5°	1	1	1	0	0	0	0	0	0	0	0
36.25°	1	1	1	0	0	0	0	0	0	0	0
35°	1	1	1	0	0	0	0	0	0	0	0



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	2	1	1	1	1	1	0	0	0	0	0
-23.75°	2	1	1	1	1	1	0	0	0	0	0
-25°	1	1	1	1	1	0	0	0	0	0	0
-26.25°	1	1	1	1	1	0	0	0	0	0	0
-27.5°	1	1	1	1	1	0	0	0	0	0	0
-28.75°	1	1	1	1	1	0	0	0	0	0	0
-30°	1	1	1	1	0	0	0	0	0	0	0
-31.25°	1	1	1	1	0	0	0	0	0	0	0
-32.5°	1	1	1	1	0	0	0	0	0	0	0
-33.75°	1	1	1	1	0	0	0	0	0	0	0
-35°	1	1	1	0	0	0	0	0	0	0	0
-36.25°	1	1	1	0	0	0	0	0	0	0	0
-37.5°	1	1	1	0	0	0	0	0	0	0	0
-38.75°	1	1	0	0	0	0	0	0	0	0	0
-40°	1	1	0	0	0	0	0	0	0	0	0
-41.25°	1	0	0	0	0	0	0	0	0	0	0
-42.5°	1	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: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220520 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)