

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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

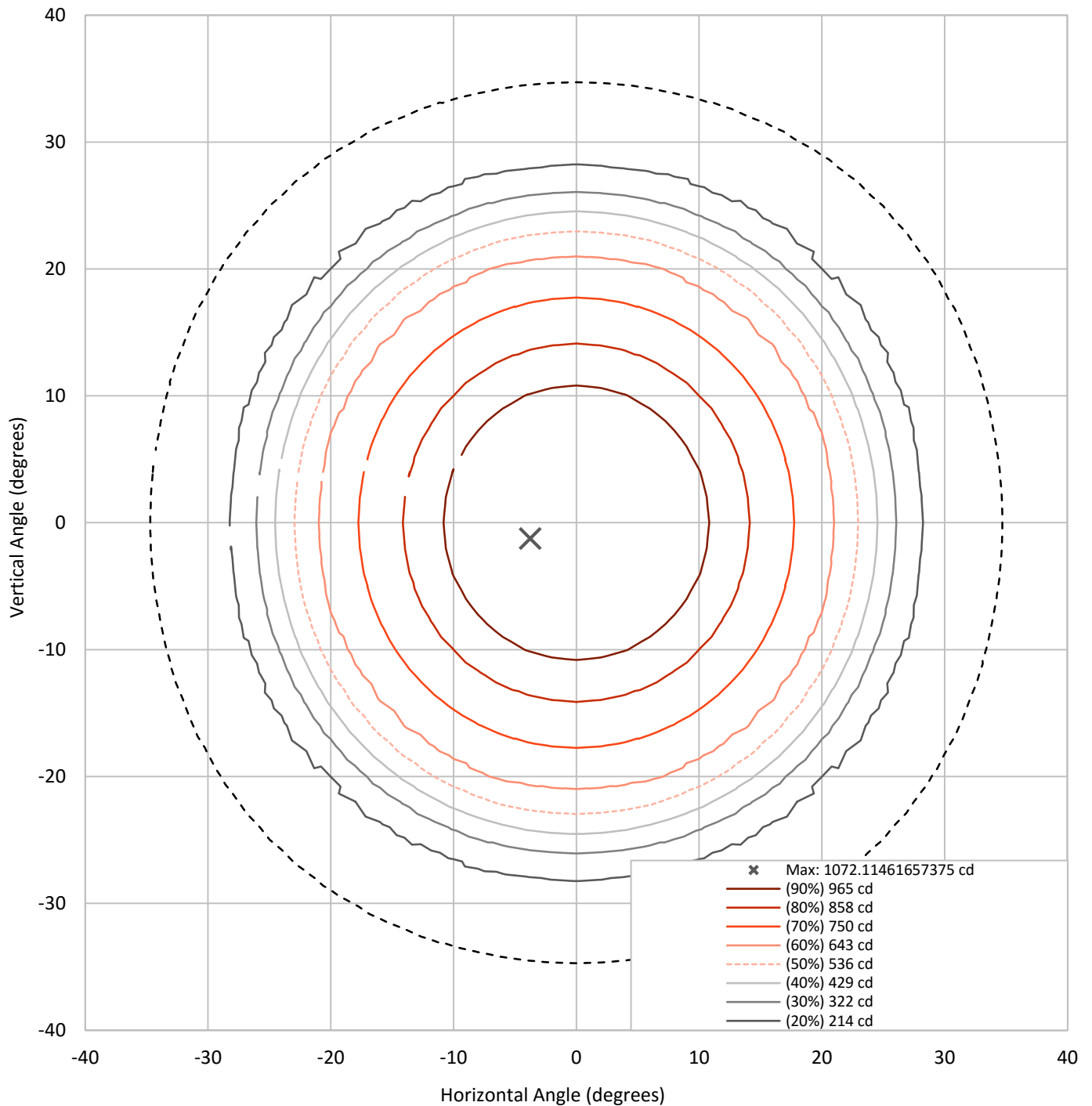
Test Method: LM-79-08
Report Number: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L1-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:	599.4 lumens	Max Intensity:	1072.1 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	61.2 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:	405.2 lumens	Field Lumens:	549.3 lumens
Beam Efficiency:	67.6%	Field Efficiency:	91.6%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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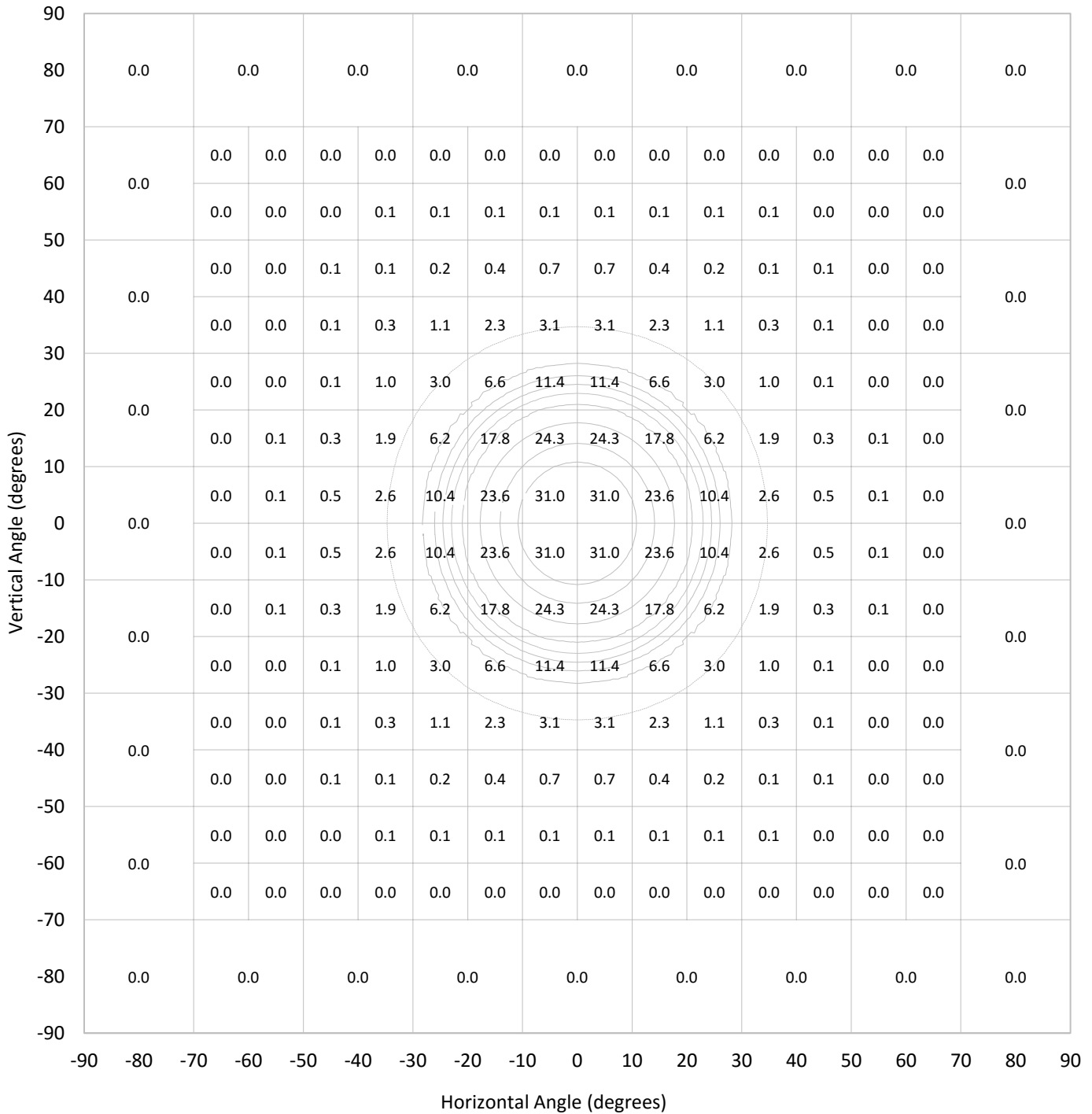
Iso-Candela Plot





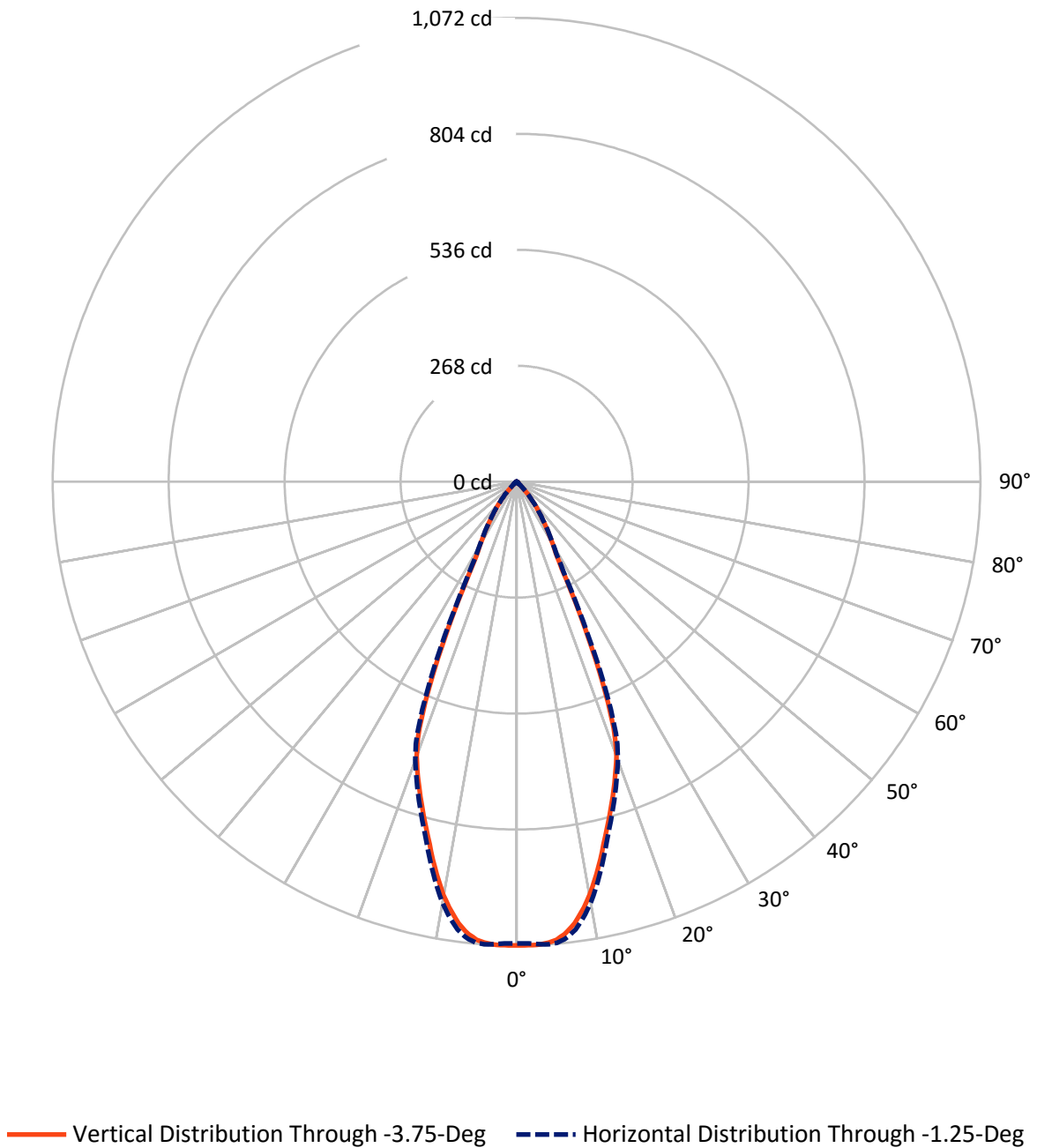
REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L1-UNV

Lumen Table



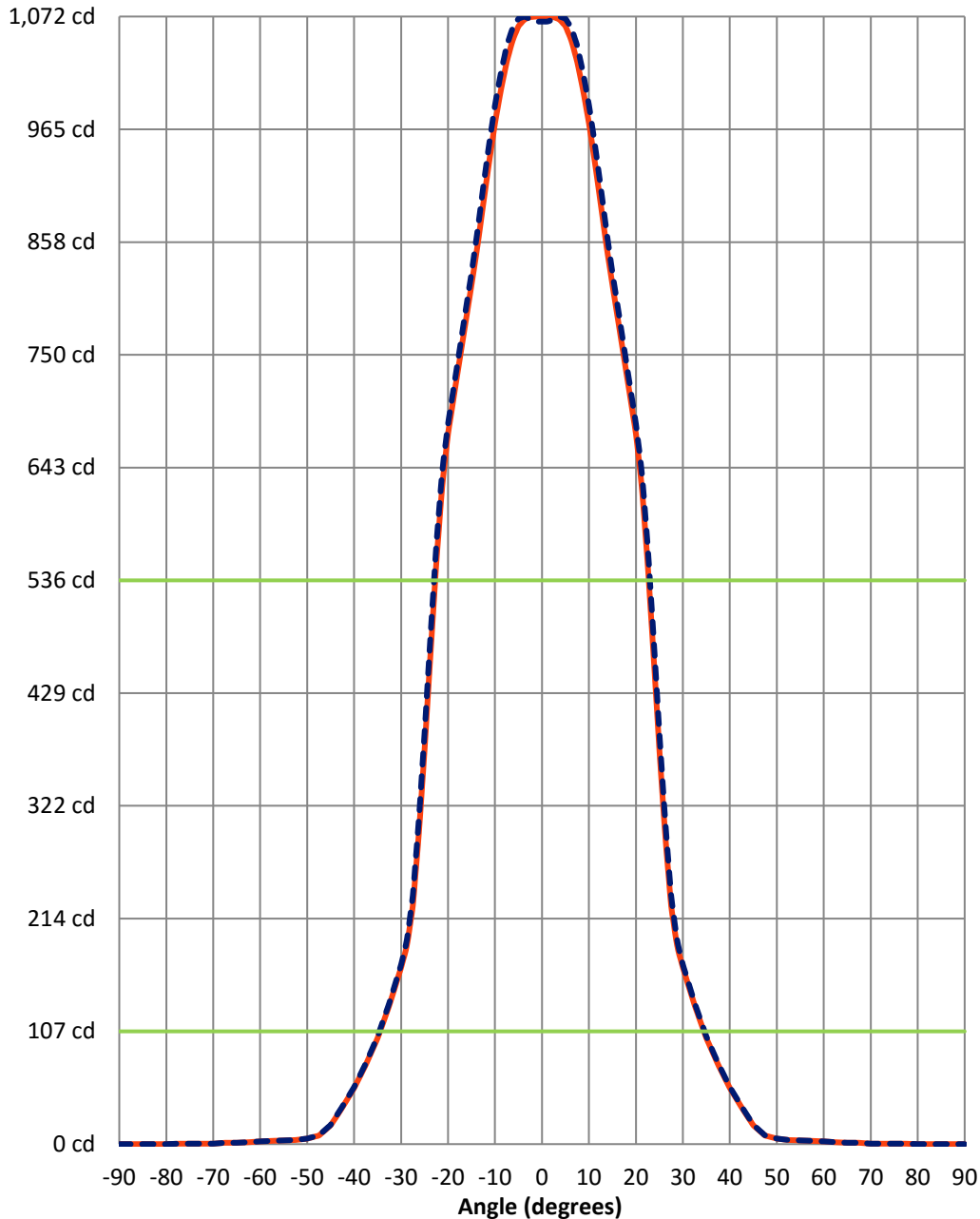
REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46°
 V Angle: 45.5°
 Lumens: 405.2
 Efficiency: 67.6%

Field:
 H Angle: 69.2°
 V Angle: 69°
 Lumens: 549.3
 Efficiency: 91.6%

Spill:
 Lumens: 50.1
 Efficiency: 8.4%

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



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	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	1	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	1	1	1	1	1
15°	0	0	0	0	0	0	1	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	1	1	1	1	1
-16.25°	0	0	0	0	0	0	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	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	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	1
55°	0	0	0	0	0	0	0	0	1	1	1
53.75°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
51.25°	0	0	0	0	0	1	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	1	1	1	1	1	1	1	2	2	2
42.5°	0	1	1	1	1	1	1	1	2	2	2
41.25°	1	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	3
37.5°	1	1	1	1	1	2	2	2	2	3	3
36.25°	1	1	1	1	1	2	2	2	2	3	3
35°	1	1	1	1	2	2	2	2	3	3	3



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	3	3	3
32.5°	1	1	1	1	2	2	2	3	3	3	3
31.25°	1	1	1	2	2	2	2	3	3	3	3
30°	1	1	1	2	2	2	3	3	3	3	3
28.75°	1	1	1	2	2	2	3	3	3	3	3
27.5°	1	1	2	2	2	2	3	3	3	3	3
26.25°	1	1	2	2	2	3	3	3	3	3	4
25°	1	1	2	2	2	3	3	3	3	3	4
23.75°	1	2	2	2	2	3	3	3	3	3	4
22.5°	1	2	2	2	3	3	3	3	3	4	4
21.25°	1	2	2	2	3	3	3	3	3	4	4
20°	1	2	2	2	3	3	3	3	3	4	4
18.75°	1	2	2	2	3	3	3	3	4	4	4
17.5°	2	2	2	2	3	3	3	3	4	4	4
16.25°	2	2	2	3	3	3	3	3	4	4	4
15°	2	2	2	3	3	3	3	3	4	4	4
13.75°	2	2	2	3	3	3	3	4	4	4	5
12.5°	2	2	2	3	3	3	3	4	4	4	5
11.25°	2	2	2	3	3	3	3	4	4	4	5
10°	2	2	2	3	3	3	3	4	4	4	5
8.75°	2	2	2	3	3	3	3	4	4	4	5
7.5°	2	2	3	3	3	3	3	4	4	4	5
6.25°	2	2	3	3	3	3	3	4	4	4	5
5°	2	2	3	3	3	3	3	4	4	5	5
3.75°	2	2	3	3	3	3	3	4	4	5	5
2.5°	2	2	3	3	3	3	3	4	4	5	5
1.25°	2	2	3	3	3	3	3	4	4	5	5
0°	2	2	3	3	3	3	4	4	4	5	5
-1.25°	2	2	3	3	3	3	3	4	4	5	5
-2.5°	2	2	3	3	3	3	3	4	4	5	5
-3.75°	2	2	3	3	3	3	3	4	4	5	5
-5°	2	2	3	3	3	3	3	4	4	5	5
-6.25°	2	2	3	3	3	3	3	4	4	4	5
-7.5°	2	2	3	3	3	3	3	4	4	4	5
-8.75°	2	2	2	3	3	3	3	4	4	4	5
-10°	2	2	2	3	3	3	3	4	4	4	5
-11.25°	2	2	2	3	3	3	3	4	4	4	5
-12.5°	2	2	2	3	3	3	3	4	4	4	5
-13.75°	2	2	2	3	3	3	3	4	4	4	5
-15°	2	2	2	3	3	3	3	3	4	4	4
-16.25°	2	2	2	3	3	3	3	3	4	4	4
-17.5°	2	2	2	2	3	3	3	3	4	4	4
-18.75°	1	2	2	2	3	3	3	3	4	4	4
-20°	1	2	2	2	3	3	3	3	3	4	4
-21.25°	1	2	2	2	3	3	3	3	3	4	4



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	3	3	3	3	3	4	4
-23.75°	1	2	2	2	2	3	3	3	3	3	4
-25°	1	1	2	2	2	3	3	3	3	3	4
-26.25°	1	1	2	2	2	3	3	3	3	3	4
-27.5°	1	1	2	2	2	2	3	3	3	3	3
-28.75°	1	1	1	2	2	2	3	3	3	3	3
-30°	1	1	1	2	2	2	3	3	3	3	3
-31.25°	1	1	1	2	2	2	2	3	3	3	3
-32.5°	1	1	1	1	2	2	2	3	3	3	3
-33.75°	1	1	1	1	2	2	2	2	3	3	3
-35°	1	1	1	1	2	2	2	2	3	3	3
-36.25°	1	1	1	1	1	2	2	2	2	3	3
-37.5°	1	1	1	1	1	2	2	2	2	3	3
-38.75°	1	1	1	1	1	1	2	2	2	2	3
-40°	1	1	1	1	1	1	2	2	2	2	2
-41.25°	1	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	1	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	1	1	1	1	1	1
-52.5°	0	0	0	0	0	0	1	1	1	1	1
-53.75°	0	0	0	0	0	0	0	1	1	1	1
-55°	0	0	0	0	0	0	0	0	1	1	1
-56.25°	0	0	0	0	0	0	0	0	0	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	1	1	1	1
61.25°	0	0	0	0	1	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	3	3
50°	1	1	2	2	2	2	2	2	3	3	3
48.75°	1	2	2	2	2	2	3	3	3	3	3
47.5°	2	2	2	2	2	3	3	3	3	3	3
46.25°	2	2	2	2	3	3	3	3	3	3	3
45°	2	2	2	3	3	3	3	3	3	3	3
43.75°	2	2	3	3	3	3	3	3	3	3	4
42.5°	2	3	3	3	3	3	3	3	4	4	4
41.25°	3	3	3	3	3	3	3	4	4	4	4
40°	3	3	3	3	3	3	4	4	4	4	4
38.75°	3	3	3	3	3	4	4	4	4	4	5
37.5°	3	3	3	3	3	4	4	4	4	5	5
36.25°	3	3	3	3	4	4	4	4	5	5	6
35°	3	3	3	4	4	4	4	5	5	6	7



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	4	4	4	4	5	5	6	7	8
32.5°	3	3	4	4	4	4	5	6	7	8	10
31.25°	3	4	4	4	4	5	5	6	7	9	13
30°	3	4	4	4	5	5	6	7	8	12	16
28.75°	4	4	4	4	5	6	7	8	11	15	18
27.5°	4	4	4	5	5	6	7	10	13	17	23
26.25°	4	4	4	5	6	7	8	12	16	21	28
25°	4	4	5	5	6	8	10	14	18	25	32
23.75°	4	4	5	6	7	8	12	16	22	29	36
22.5°	4	5	5	6	8	10	14	19	26	33	41
21.25°	4	5	5	7	8	12	16	22	30	37	45
20°	4	5	6	7	9	14	18	26	33	41	49
18.75°	5	5	6	8	11	15	21	29	37	45	53
17.5°	5	5	7	8	13	17	24	32	40	48	57
16.25°	5	6	7	9	14	19	27	35	43	52	61
15°	5	6	8	11	15	21	29	38	46	55	65
13.75°	5	7	8	12	17	24	32	40	49	58	69
12.5°	5	7	8	13	18	26	34	43	51	61	72
11.25°	6	7	9	14	19	28	36	45	54	64	75
10°	6	7	10	15	21	29	38	47	56	67	78
8.75°	6	8	11	16	22	31	40	49	58	69	81
7.5°	6	8	11	16	24	32	41	50	60	71	83
6.25°	6	8	12	17	25	33	42	51	62	73	85
5°	7	8	13	18	26	34	43	52	63	75	87
3.75°	7	8	13	18	26	35	44	53	64	76	88
2.5°	7	8	13	18	27	35	45	54	65	76	89
1.25°	7	8	13	18	27	36	45	54	66	77	90
0°	7	8	13	18	27	36	45	54	66	77	90
-1.25°	7	8	13	18	27	36	45	54	66	77	90
-2.5°	7	8	13	18	27	35	45	54	65	76	89
-3.75°	7	8	13	18	26	35	44	53	64	76	88
-5°	7	8	13	18	26	34	43	52	63	75	87
-6.25°	6	8	12	17	25	33	42	51	62	73	85
-7.5°	6	8	11	16	24	32	41	50	60	71	83
-8.75°	6	8	11	16	22	31	40	49	58	69	81
-10°	6	7	10	15	21	29	38	47	56	67	78
-11.25°	6	7	9	14	19	28	36	45	54	64	75
-12.5°	5	7	8	13	18	26	34	43	51	61	72
-13.75°	5	7	8	12	17	24	32	40	49	58	69
-15°	5	6	8	11	15	21	29	38	46	55	65
-16.25°	5	6	7	9	14	19	27	35	43	52	61
-17.5°	5	5	7	8	13	17	24	32	40	48	57
-18.75°	5	5	6	8	11	15	21	29	37	45	53
-20°	4	5	6	7	9	14	18	26	33	41	49
-21.25°	4	5	5	7	8	12	16	22	30	37	45



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	5	5	6	8	10	14	19	26	33	41
-23.75°	4	4	5	6	7	8	12	16	22	29	36
-25°	4	4	5	5	6	8	10	14	18	25	32
-26.25°	4	4	4	5	6	7	8	12	16	21	28
-27.5°	4	4	4	5	5	6	7	10	13	17	23
-28.75°	4	4	4	4	5	6	7	8	11	15	18
-30°	3	4	4	4	5	5	6	7	8	12	16
-31.25°	3	4	4	4	4	5	5	6	7	9	13
-32.5°	3	3	4	4	4	4	5	6	7	8	10
-33.75°	3	3	4	4	4	4	5	5	6	7	8
-35°	3	3	3	4	4	4	4	5	5	6	7
-36.25°	3	3	3	3	4	4	4	4	5	5	6
-37.5°	3	3	3	3	3	4	4	4	4	5	5
-38.75°	3	3	3	3	3	4	4	4	4	4	5
-40°	3	3	3	3	3	3	4	4	4	4	4
-41.25°	3	3	3	3	3	3	3	4	4	4	4
-42.5°	2	3	3	3	3	3	3	3	4	4	4
-43.75°	2	2	3	3	3	3	3	3	3	3	4
-45°	2	2	2	3	3	3	3	3	3	3	3
-46.25°	2	2	2	2	3	3	3	3	3	3	3
-47.5°	2	2	2	2	2	3	3	3	3	3	3
-48.75°	1	2	2	2	2	2	3	3	3	3	3
-50°	1	1	2	2	2	2	2	2	3	3	3
-51.25°	1	1	1	2	2	2	2	2	2	3	3
-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	1	1	1	1	1	1	1
-62.5°	0	0	0	0	0	0	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	1	1
66.25°	0	0	0	0	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	2	2
60°	1	1	1	1	1	1	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	3
56.25°	2	2	2	2	2	2	2	3	3	3	3
55°	2	2	2	2	3	3	3	3	3	3	3
53.75°	2	2	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	3	3	3	4
50°	3	3	3	3	3	3	3	4	4	4	4
48.75°	3	3	3	3	3	4	4	4	4	4	4
47.5°	3	3	3	4	4	4	4	4	4	4	5
46.25°	3	4	4	4	4	4	4	4	5	5	5
45°	4	4	4	4	4	4	5	5	5	6	6
43.75°	4	4	4	4	5	5	5	6	6	7	8
42.5°	4	4	4	5	5	6	6	7	8	8	10
41.25°	4	5	5	5	6	7	7	8	10	12	14
40°	5	5	6	6	7	8	10	12	14	16	19
38.75°	5	6	7	7	8	11	13	16	18	22	26
37.5°	6	7	8	9	12	15	17	21	25	29	33
36.25°	7	8	10	13	16	18	23	28	32	36	41
35°	8	10	13	16	20	25	30	34	39	44	48



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	10	13	16	21	26	31	36	41	46	51	56
32.5°	13	16	21	26	32	37	43	48	53	59	65
31.25°	16	21	26	32	38	44	49	55	62	68	74
30°	20	26	32	38	44	50	56	63	70	77	84
28.75°	25	31	37	44	50	57	64	71	78	86	93
27.5°	30	36	43	49	56	64	72	79	87	95	103
26.25°	34	41	48	55	63	71	79	88	96	105	115
25°	39	46	53	62	70	78	87	96	105	116	126
23.75°	44	51	59	68	77	86	95	105	116	127	138
22.5°	48	56	65	74	84	93	103	115	126	138	151
21.25°	53	62	71	80	91	101	112	124	137	150	163
20°	57	67	76	87	97	109	121	134	148	161	175
18.75°	62	72	82	93	104	117	130	144	158	172	188
17.5°	67	77	88	99	111	125	139	154	168	184	208
16.25°	71	82	93	105	119	132	147	163	179	201	238
15°	75	87	98	111	125	140	156	172	190	221	272
13.75°	79	91	103	117	132	148	164	181	206	250	312
12.5°	83	95	108	123	138	154	171	191	225	282	353
11.25°	87	99	113	128	144	161	179	204	249	315	391
10°	90	102	117	133	150	167	185	216	273	347	429
8.75°	93	106	121	137	154	172	194	234	299	378	463
7.5°	96	109	125	141	159	177	203	251	322	405	492
6.25°	98	112	128	145	162	182	210	265	343	429	517
5°	99	114	130	148	166	185	218	281	361	449	537
3.75°	101	116	132	150	168	188	227	292	375	465	552
2.5°	102	118	134	151	170	192	233	301	385	476	563
1.25°	102	118	134	152	171	194	237	306	391	483	569
0°	103	119	135	153	171	194	238	308	393	485	572
-1.25°	102	118	134	152	171	194	237	306	391	483	569
-2.5°	102	118	134	151	170	192	233	301	385	476	563
-3.75°	101	116	132	150	168	188	227	292	375	465	552
-5°	99	114	130	148	166	185	218	281	361	449	537
-6.25°	98	112	128	145	162	182	210	265	343	429	517
-7.5°	96	109	125	141	159	177	203	251	322	405	492
-8.75°	93	106	121	137	154	172	194	234	299	378	463
-10°	90	102	117	133	150	167	185	216	273	347	429
-11.25°	87	99	113	128	144	161	179	204	249	315	391
-12.5°	83	95	108	123	138	154	171	191	225	282	353
-13.75°	79	91	103	117	132	148	164	181	206	250	312
-15°	75	87	98	111	125	140	156	172	190	221	272
-16.25°	71	82	93	105	119	132	147	163	179	201	238
-17.5°	67	77	88	99	111	125	139	154	168	184	208
-18.75°	62	72	82	93	104	117	130	144	158	172	188
-20°	57	67	76	87	97	109	121	134	148	161	175
-21.25°	53	62	71	80	91	101	112	124	137	150	163



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	48	56	65	74	84	93	103	115	126	138	151
-23.75°	44	51	59	68	77	86	95	105	116	127	138
-25°	39	46	53	62	70	78	87	96	105	116	126
-26.25°	34	41	48	55	63	71	79	88	96	105	115
-27.5°	30	36	43	49	56	64	72	79	87	95	103
-28.75°	25	31	37	44	50	57	64	71	78	86	93
-30°	20	26	32	38	44	50	56	63	70	77	84
-31.25°	16	21	26	32	38	44	49	55	62	68	74
-32.5°	13	16	21	26	32	37	43	48	53	59	65
-33.75°	10	13	16	21	26	31	36	41	46	51	56
-35°	8	10	13	16	20	25	30	34	39	44	48
-36.25°	7	8	10	13	16	18	23	28	32	36	41
-37.5°	6	7	8	9	12	15	17	21	25	29	33
-38.75°	5	6	7	7	8	11	13	16	18	22	26
-40°	5	5	6	6	7	8	10	12	14	16	19
-41.25°	4	5	5	5	6	7	7	8	10	12	14
-42.5°	4	4	4	5	5	6	6	7	8	8	10
-43.75°	4	4	4	4	5	5	5	6	6	7	8
-45°	4	4	4	4	4	4	5	5	5	6	6
-46.25°	3	4	4	4	4	4	4	4	5	5	5
-47.5°	3	3	3	4	4	4	4	4	4	4	5
-48.75°	3	3	3	3	3	4	4	4	4	4	4
-50°	3	3	3	3	3	3	3	4	4	4	4
-51.25°	3	3	3	3	3	3	3	3	3	3	4
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	2	2	3	3	3	3	3	3	3	3	3
-55°	2	2	2	2	3	3	3	3	3	3	3
-56.25°	2	2	2	2	2	2	2	3	3	3	3
-57.5°	2	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	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	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	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	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	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	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	4	4	4	4	4
52.5°	3	3	4	4	4	4	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	5	5	5	5	5
48.75°	4	4	5	5	5	5	5	5	6	6	6
47.5°	5	5	5	5	6	6	7	7	7	7	8
46.25°	5	6	6	7	7	8	8	8	9	10	11
45°	7	7	8	8	9	11	12	13	14	15	16
43.75°	8	9	11	13	14	15	17	18	19	21	22
42.5°	12	14	15	17	19	21	24	26	28	29	31
41.25°	16	18	21	24	27	29	32	34	36	38	40
40°	22	26	29	32	35	38	40	43	45	47	49
38.75°	30	33	37	40	43	46	49	51	54	56	58
37.5°	37	41	45	48	52	55	58	61	64	67	69
36.25°	45	49	53	57	61	65	69	72	75	78	81
35°	53	57	62	67	71	75	79	83	87	90	93



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	62	67	72	77	82	87	91	95	99	102	106
32.5°	71	76	82	88	93	98	103	108	113	117	121
31.25°	80	87	93	99	105	111	117	123	128	133	137
30°	91	97	104	111	119	125	132	138	144	150	154
28.75°	101	109	117	125	132	140	148	154	161	167	172
27.5°	112	121	130	139	147	156	164	171	179	185	194
26.25°	124	134	144	154	163	172	181	191	204	216	234
25°	137	148	158	168	179	190	206	225	249	273	299
23.75°	150	161	172	184	201	221	250	282	315	347	378
22.5°	163	175	188	208	238	272	312	353	391	429	463
21.25°	176	191	213	249	291	337	384	430	473	511	545
20°	191	215	254	303	354	407	459	507	550	587	617
18.75°	213	254	306	363	421	479	531	578	616	646	666
17.5°	249	303	363	426	488	546	596	635	664	684	700
16.25°	291	354	421	488	550	606	646	673	695	714	732
15°	337	407	479	546	606	650	678	702	724	744	763
13.75°	384	459	531	596	646	678	704	729	752	774	794
12.5°	430	507	578	635	673	702	729	755	779	803	824
11.25°	473	550	616	664	695	724	752	779	806	830	854
10°	511	587	646	684	714	744	774	803	830	858	887
8.75°	545	617	666	700	732	763	794	824	854	887	917
7.5°	573	639	681	715	748	780	812	844	878	913	945
6.25°	597	657	694	728	761	795	828	863	901	936	969
5°	614	667	704	738	772	808	842	880	919	956	988
3.75°	626	675	711	747	782	817	853	894	934	971	1002
2.5°	635	681	717	753	789	824	862	904	945	981	1013
1.25°	640	685	721	756	793	828	868	910	951	988	1019
0°	642	686	722	758	794	830	870	912	953	990	1021
-1.25°	640	685	721	756	793	828	868	910	951	988	1019
-2.5°	635	681	717	753	789	824	862	904	945	981	1013
-3.75°	626	675	711	747	782	817	853	894	934	971	1002
-5°	614	667	704	738	772	808	842	880	919	956	988
-6.25°	597	657	694	728	761	795	828	863	901	936	969
-7.5°	573	639	681	715	748	780	812	844	878	913	945
-8.75°	545	617	666	700	732	763	794	824	854	887	917
-10°	511	587	646	684	714	744	774	803	830	858	887
-11.25°	473	550	616	664	695	724	752	779	806	830	854
-12.5°	430	507	578	635	673	702	729	755	779	803	824
-13.75°	384	459	531	596	646	678	704	729	752	774	794
-15°	337	407	479	546	606	650	678	702	724	744	763
-16.25°	291	354	421	488	550	606	646	673	695	714	732
-17.5°	249	303	363	426	488	546	596	635	664	684	700
-18.75°	213	254	306	363	421	479	531	578	616	646	666
-20°	191	215	254	303	354	407	459	507	550	587	617
-21.25°	176	191	213	249	291	337	384	430	473	511	545



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	163	175	188	208	238	272	312	353	391	429	463
-23.75°	150	161	172	184	201	221	250	282	315	347	378
-25°	137	148	158	168	179	190	206	225	249	273	299
-26.25°	124	134	144	154	163	172	181	191	204	216	234
-27.5°	112	121	130	139	147	156	164	171	179	185	194
-28.75°	101	109	117	125	132	140	148	154	161	167	172
-30°	91	97	104	111	119	125	132	138	144	150	154
-31.25°	80	87	93	99	105	111	117	123	128	133	137
-32.5°	71	76	82	88	93	98	103	108	113	117	121
-33.75°	62	67	72	77	82	87	91	95	99	102	106
-35°	53	57	62	67	71	75	79	83	87	90	93
-36.25°	45	49	53	57	61	65	69	72	75	78	81
-37.5°	37	41	45	48	52	55	58	61	64	67	69
-38.75°	30	33	37	40	43	46	49	51	54	56	58
-40°	22	26	29	32	35	38	40	43	45	47	49
-41.25°	16	18	21	24	27	29	32	34	36	38	40
-42.5°	12	14	15	17	19	21	24	26	28	29	31
-43.75°	8	9	11	13	14	15	17	18	19	21	22
-45°	7	7	8	8	9	11	12	13	14	15	16
-46.25°	5	6	6	7	7	8	8	8	9	10	11
-47.5°	5	5	5	5	6	6	7	7	7	7	8
-48.75°	4	4	5	5	5	5	5	5	6	6	6
-50°	4	4	4	4	4	4	5	5	5	5	5
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	4	4	4	4	4	4	4	4	4
-53.75°	3	3	3	3	3	3	4	4	4	4	4
-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	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	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	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	4	3	3	3	3
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	4
51.25°	4	4	5	5	5	5	5	5	5	5	5
50°	5	5	5	5	5	5	5	5	5	5	5
48.75°	6	6	7	7	7	7	7	7	7	7	7
47.5°	8	8	8	8	8	8	8	8	8	8	8
46.25°	11	12	13	13	13	13	13	13	13	13	13
45°	16	17	18	18	18	18	18	18	18	18	18
43.75°	24	25	26	26	27	27	27	27	27	26	26
42.5°	32	33	34	35	35	36	36	36	35	35	34
41.25°	41	42	43	44	45	45	45	45	45	44	43
40°	50	51	52	53	54	54	54	54	54	53	52
38.75°	60	62	63	64	65	66	66	66	65	64	63
37.5°	71	73	75	76	76	77	77	77	76	76	75
36.25°	83	85	87	88	89	90	90	90	89	88	87
35°	96	98	99	101	102	102	103	102	102	101	99



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	109	112	114	116	118	118	119	118	118	116	114
32.5°	125	128	130	132	134	134	135	134	134	132	130
31.25°	141	145	148	150	151	152	153	152	151	150	148
30°	159	162	166	168	170	171	171	171	170	168	166
28.75°	177	182	185	188	192	194	194	194	192	188	185
27.5°	203	210	218	227	233	237	238	237	233	227	218
26.25°	251	265	281	292	301	306	308	306	301	292	281
25°	322	343	361	375	385	391	393	391	385	375	361
23.75°	405	429	449	465	476	483	485	483	476	465	449
22.5°	492	517	537	552	563	569	572	569	563	552	537
21.25°	573	597	614	626	635	640	642	640	635	626	614
20°	639	657	667	675	681	685	686	685	681	675	667
18.75°	681	694	704	711	717	721	722	721	717	711	704
17.5°	715	728	738	747	753	756	758	756	753	747	738
16.25°	748	761	772	782	789	793	794	793	789	782	772
15°	780	795	808	817	824	828	830	828	824	817	808
13.75°	812	828	842	853	862	868	870	868	862	853	842
12.5°	844	863	880	894	904	910	912	910	904	894	880
11.25°	878	901	919	934	945	951	953	951	945	934	919
10°	913	936	956	971	981	988	990	988	981	971	956
8.75°	945	969	988	1002	1013	1019	1021	1019	1013	1002	988
7.5°	973	996	1015	1029	1039	1044	1046	1044	1039	1029	1015
6.25°	996	1019	1038	1050	1058	1061	1063	1061	1058	1050	1038
5°	1015	1038	1053	1063	1068	1070	1071	1070	1068	1063	1053
3.75°	1029	1050	1063	1069	1072	1072	1072	1072	1072	1069	1063
2.5°	1039	1058	1068	1072	1071	1070	1069	1070	1071	1072	1068
1.25°	1044	1061	1070	1072	1070	1067	1067	1067	1070	1072	1070
0°	1046	1063	1071	1072	1069	1067	1070	1067	1069	1072	1071
-1.25°	1044	1061	1070	1072	1070	1067	1067	1067	1070	1072	1070
-2.5°	1039	1058	1068	1072	1071	1070	1069	1070	1071	1072	1068
-3.75°	1029	1050	1063	1069	1072	1072	1072	1072	1072	1069	1063
-5°	1015	1038	1053	1063	1068	1070	1071	1070	1068	1063	1053
-6.25°	996	1019	1038	1050	1058	1061	1063	1061	1058	1050	1038
-7.5°	973	996	1015	1029	1039	1044	1046	1044	1039	1029	1015
-8.75°	945	969	988	1002	1013	1019	1021	1019	1013	1002	988
-10°	913	936	956	971	981	988	990	988	981	971	956
-11.25°	878	901	919	934	945	951	953	951	945	934	919
-12.5°	844	863	880	894	904	910	912	910	904	894	880
-13.75°	812	828	842	853	862	868	870	868	862	853	842
-15°	780	795	808	817	824	828	830	828	824	817	808
-16.25°	748	761	772	782	789	793	794	793	789	782	772
-17.5°	715	728	738	747	753	756	758	756	753	747	738
-18.75°	681	694	704	711	717	721	722	721	717	711	704
-20°	639	657	667	675	681	685	686	685	681	675	667
-21.25°	573	597	614	626	635	640	642	640	635	626	614



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	492	517	537	552	563	569	572	569	563	552	537
-23.75°	405	429	449	465	476	483	485	483	476	465	449
-25°	322	343	361	375	385	391	393	391	385	375	361
-26.25°	251	265	281	292	301	306	308	306	301	292	281
-27.5°	203	210	218	227	233	237	238	237	233	227	218
-28.75°	177	182	185	188	192	194	194	194	192	188	185
-30°	159	162	166	168	170	171	171	171	170	168	166
-31.25°	141	145	148	150	151	152	153	152	151	150	148
-32.5°	125	128	130	132	134	134	135	134	134	132	130
-33.75°	109	112	114	116	118	118	119	118	118	116	114
-35°	96	98	99	101	102	102	103	102	102	101	99
-36.25°	83	85	87	88	89	90	90	90	89	88	87
-37.5°	71	73	75	76	76	77	77	77	76	76	75
-38.75°	60	62	63	64	65	66	66	66	65	64	63
-40°	50	51	52	53	54	54	54	54	54	53	52
-41.25°	41	42	43	44	45	45	45	45	45	44	43
-42.5°	32	33	34	35	35	36	36	36	35	35	34
-43.75°	24	25	26	26	27	27	27	27	27	26	26
-45°	16	17	18	18	18	18	18	18	18	18	18
-46.25°	11	12	13	13	13	13	13	13	13	13	13
-47.5°	8	8	8	8	8	8	8	8	8	8	8
-48.75°	6	6	7	7	7	7	7	7	7	7	7
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	4	4	5	5	5	5	5	5	5	5	5
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	3	3	3	3	3	3	4	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°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	2	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	1	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°	3	3	2	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	3	3	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°	4	4	4	4	4	4	4	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	5	5	5	5	5	5	5	4	4	4	4
48.75°	6	6	6	6	6	5	5	5	5	5	5
47.5°	8	8	8	7	7	7	7	6	6	5	5
46.25°	12	11	11	10	9	8	8	8	7	7	6
45°	17	16	16	15	14	13	12	11	9	8	8
43.75°	25	24	22	21	19	18	17	15	14	13	11
42.5°	33	32	31	29	28	26	24	21	19	17	15
41.25°	42	41	40	38	36	34	32	29	27	24	21
40°	51	50	49	47	45	43	40	38	35	32	29
38.75°	62	60	58	56	54	51	49	46	43	40	37
37.5°	73	71	69	67	64	61	58	55	52	48	45
36.25°	85	83	81	78	75	72	69	65	61	57	53
35°	98	96	93	90	87	83	79	75	71	67	62



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	112	109	106	102	99	95	91	87	82	77	72
32.5°	128	125	121	117	113	108	103	98	93	88	82
31.25°	145	141	137	133	128	123	117	111	105	99	93
30°	162	159	154	150	144	138	132	125	119	111	104
28.75°	182	177	172	167	161	154	148	140	132	125	117
27.5°	210	203	194	185	179	171	164	156	147	139	130
26.25°	265	251	234	216	204	191	181	172	163	154	144
25°	343	322	299	273	249	225	206	190	179	168	158
23.75°	429	405	378	347	315	282	250	221	201	184	172
22.5°	517	492	463	429	391	353	312	272	238	208	188
21.25°	597	573	545	511	473	430	384	337	291	249	213
20°	657	639	617	587	550	507	459	407	354	303	254
18.75°	694	681	666	646	616	578	531	479	421	363	306
17.5°	728	715	700	684	664	635	596	546	488	426	363
16.25°	761	748	732	714	695	673	646	606	550	488	421
15°	795	780	763	744	724	702	678	650	606	546	479
13.75°	828	812	794	774	752	729	704	678	646	596	531
12.5°	863	844	824	803	779	755	729	702	673	635	578
11.25°	901	878	854	830	806	779	752	724	695	664	616
10°	936	913	887	858	830	803	774	744	714	684	646
8.75°	969	945	917	887	854	824	794	763	732	700	666
7.5°	996	973	945	913	878	844	812	780	748	715	681
6.25°	1019	996	969	936	901	863	828	795	761	728	694
5°	1038	1015	988	956	919	880	842	808	772	738	704
3.75°	1050	1029	1002	971	934	894	853	817	782	747	711
2.5°	1058	1039	1013	981	945	904	862	824	789	753	717
1.25°	1061	1044	1019	988	951	910	868	828	793	756	721
0°	1063	1046	1021	990	953	912	870	830	794	758	722
-1.25°	1061	1044	1019	988	951	910	868	828	793	756	721
-2.5°	1058	1039	1013	981	945	904	862	824	789	753	717
-3.75°	1050	1029	1002	971	934	894	853	817	782	747	711
-5°	1038	1015	988	956	919	880	842	808	772	738	704
-6.25°	1019	996	969	936	901	863	828	795	761	728	694
-7.5°	996	973	945	913	878	844	812	780	748	715	681
-8.75°	969	945	917	887	854	824	794	763	732	700	666
-10°	936	913	887	858	830	803	774	744	714	684	646
-11.25°	901	878	854	830	806	779	752	724	695	664	616
-12.5°	863	844	824	803	779	755	729	702	673	635	578
-13.75°	828	812	794	774	752	729	704	678	646	596	531
-15°	795	780	763	744	724	702	678	650	606	546	479
-16.25°	761	748	732	714	695	673	646	606	550	488	421
-17.5°	728	715	700	684	664	635	596	546	488	426	363
-18.75°	694	681	666	646	616	578	531	479	421	363	306
-20°	657	639	617	587	550	507	459	407	354	303	254
-21.25°	597	573	545	511	473	430	384	337	291	249	213



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	517	492	463	429	391	353	312	272	238	208	188
-23.75°	429	405	378	347	315	282	250	221	201	184	172
-25°	343	322	299	273	249	225	206	190	179	168	158
-26.25°	265	251	234	216	204	191	181	172	163	154	144
-27.5°	210	203	194	185	179	171	164	156	147	139	130
-28.75°	182	177	172	167	161	154	148	140	132	125	117
-30°	162	159	154	150	144	138	132	125	119	111	104
-31.25°	145	141	137	133	128	123	117	111	105	99	93
-32.5°	128	125	121	117	113	108	103	98	93	88	82
-33.75°	112	109	106	102	99	95	91	87	82	77	72
-35°	98	96	93	90	87	83	79	75	71	67	62
-36.25°	85	83	81	78	75	72	69	65	61	57	53
-37.5°	73	71	69	67	64	61	58	55	52	48	45
-38.75°	62	60	58	56	54	51	49	46	43	40	37
-40°	51	50	49	47	45	43	40	38	35	32	29
-41.25°	42	41	40	38	36	34	32	29	27	24	21
-42.5°	33	32	31	29	28	26	24	21	19	17	15
-43.75°	25	24	22	21	19	18	17	15	14	13	11
-45°	17	16	16	15	14	13	12	11	9	8	8
-46.25°	12	11	11	10	9	8	8	8	7	7	6
-47.5°	8	8	8	7	7	7	7	6	6	5	5
-48.75°	6	6	6	6	6	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	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°	3	3	3	3	3	3	3	3	3	2	2
-60°	3	3	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	1	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	0	0	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	1	0	0
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	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°	3	3	3	2	2	2	2	2	2	2	2
56.25°	3	3	3	3	3	3	2	2	2	2	2
55°	3	3	3	3	3	3	3	3	3	2	2
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	3	3	3	3	3	3	3	3
50°	4	4	4	4	4	4	3	3	3	3	3
48.75°	4	4	4	4	4	4	4	4	3	3	3
47.5°	5	5	5	4	4	4	4	4	4	4	3
46.25°	6	5	5	5	5	4	4	4	4	4	4
45°	7	7	6	6	5	5	5	4	4	4	4
43.75°	9	8	8	7	6	6	5	5	5	4	4
42.5°	14	12	10	8	8	7	6	6	5	5	4
41.25°	18	16	14	12	10	8	7	7	6	5	5
40°	26	22	19	16	14	12	10	8	7	6	6
38.75°	33	30	26	22	18	16	13	11	8	7	7
37.5°	41	37	33	29	25	21	17	15	12	9	8
36.25°	49	45	41	36	32	28	23	18	16	13	10
35°	57	53	48	44	39	34	30	25	20	16	13



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	67	62	56	51	46	41	36	31	26	21	16
32.5°	76	71	65	59	53	48	43	37	32	26	21
31.25°	87	80	74	68	62	55	49	44	38	32	26
30°	97	91	84	77	70	63	56	50	44	38	32
28.75°	109	101	93	86	78	71	64	57	50	44	37
27.5°	121	112	103	95	87	79	72	64	56	49	43
26.25°	134	124	115	105	96	88	79	71	63	55	48
25°	148	137	126	116	105	96	87	78	70	62	53
23.75°	161	150	138	127	116	105	95	86	77	68	59
22.5°	175	163	151	138	126	115	103	93	84	74	65
21.25°	191	176	163	150	137	124	112	101	91	80	71
20°	215	191	175	161	148	134	121	109	97	87	76
18.75°	254	213	188	172	158	144	130	117	104	93	82
17.5°	303	249	208	184	168	154	139	125	111	99	88
16.25°	354	291	238	201	179	163	147	132	119	105	93
15°	407	337	272	221	190	172	156	140	125	111	98
13.75°	459	384	312	250	206	181	164	148	132	117	103
12.5°	507	430	353	282	225	191	171	154	138	123	108
11.25°	550	473	391	315	249	204	179	161	144	128	113
10°	587	511	429	347	273	216	185	167	150	133	117
8.75°	617	545	463	378	299	234	194	172	154	137	121
7.5°	639	573	492	405	322	251	203	177	159	141	125
6.25°	657	597	517	429	343	265	210	182	162	145	128
5°	667	614	537	449	361	281	218	185	166	148	130
3.75°	675	626	552	465	375	292	227	188	168	150	132
2.5°	681	635	563	476	385	301	233	192	170	151	134
1.25°	685	640	569	483	391	306	237	194	171	152	134
0°	686	642	572	485	393	308	238	194	171	153	135
-1.25°	685	640	569	483	391	306	237	194	171	152	134
-2.5°	681	635	563	476	385	301	233	192	170	151	134
-3.75°	675	626	552	465	375	292	227	188	168	150	132
-5°	667	614	537	449	361	281	218	185	166	148	130
-6.25°	657	597	517	429	343	265	210	182	162	145	128
-7.5°	639	573	492	405	322	251	203	177	159	141	125
-8.75°	617	545	463	378	299	234	194	172	154	137	121
-10°	587	511	429	347	273	216	185	167	150	133	117
-11.25°	550	473	391	315	249	204	179	161	144	128	113
-12.5°	507	430	353	282	225	191	171	154	138	123	108
-13.75°	459	384	312	250	206	181	164	148	132	117	103
-15°	407	337	272	221	190	172	156	140	125	111	98
-16.25°	354	291	238	201	179	163	147	132	119	105	93
-17.5°	303	249	208	184	168	154	139	125	111	99	88
-18.75°	254	213	188	172	158	144	130	117	104	93	82
-20°	215	191	175	161	148	134	121	109	97	87	76
-21.25°	191	176	163	150	137	124	112	101	91	80	71



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	175	163	151	138	126	115	103	93	84	74	65
-23.75°	161	150	138	127	116	105	95	86	77	68	59
-25°	148	137	126	116	105	96	87	78	70	62	53
-26.25°	134	124	115	105	96	88	79	71	63	55	48
-27.5°	121	112	103	95	87	79	72	64	56	49	43
-28.75°	109	101	93	86	78	71	64	57	50	44	37
-30°	97	91	84	77	70	63	56	50	44	38	32
-31.25°	87	80	74	68	62	55	49	44	38	32	26
-32.5°	76	71	65	59	53	48	43	37	32	26	21
-33.75°	67	62	56	51	46	41	36	31	26	21	16
-35°	57	53	48	44	39	34	30	25	20	16	13
-36.25°	49	45	41	36	32	28	23	18	16	13	10
-37.5°	41	37	33	29	25	21	17	15	12	9	8
-38.75°	33	30	26	22	18	16	13	11	8	7	7
-40°	26	22	19	16	14	12	10	8	7	6	6
-41.25°	18	16	14	12	10	8	7	7	6	5	5
-42.5°	14	12	10	8	8	7	6	6	5	5	4
-43.75°	9	8	8	7	6	6	5	5	5	4	4
-45°	7	7	6	6	5	5	5	4	4	4	4
-46.25°	6	5	5	5	5	4	4	4	4	4	4
-47.5°	5	5	5	4	4	4	4	4	4	4	3
-48.75°	4	4	4	4	4	4	4	4	3	3	3
-50°	4	4	4	4	4	4	3	3	3	3	3
-51.25°	4	4	4	3	3	3	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	2	2
-56.25°	3	3	3	3	3	3	2	2	2	2	2
-57.5°	3	3	3	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	1	0	0
-67.5°	1	1	1	1	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	0	0	0	0
61.25°	1	1	1	1	1	1	1	1	1	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°	3	3	2	2	2	2	2	2	2	1	1
51.25°	3	3	3	3	2	2	2	2	2	2	1
50°	3	3	3	3	3	2	2	2	2	2	2
48.75°	3	3	3	3	3	3	3	2	2	2	2
47.5°	3	3	3	3	3	3	3	3	2	2	2
46.25°	4	3	3	3	3	3	3	3	3	2	2
45°	4	4	3	3	3	3	3	3	3	3	2
43.75°	4	4	4	3	3	3	3	3	3	3	3
42.5°	4	4	4	4	4	3	3	3	3	3	3
41.25°	5	4	4	4	4	4	3	3	3	3	3
40°	5	5	4	4	4	4	4	3	3	3	3
38.75°	6	5	5	4	4	4	4	4	3	3	3
37.5°	7	6	5	5	4	4	4	4	3	3	3
36.25°	8	7	6	5	5	4	4	4	4	3	3
35°	10	8	7	6	5	5	4	4	4	4	3



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	13	10	8	7	6	5	5	4	4	4	4
32.5°	16	13	10	8	7	6	5	4	4	4	4
31.25°	21	16	13	9	7	6	5	5	4	4	4
30°	26	20	16	12	8	7	6	5	5	4	4
28.75°	31	25	18	15	11	8	7	6	5	4	4
27.5°	36	30	23	17	13	10	7	6	5	5	4
26.25°	41	34	28	21	16	12	8	7	6	5	4
25°	46	39	32	25	18	14	10	8	6	5	5
23.75°	51	44	36	29	22	16	12	8	7	6	5
22.5°	56	48	41	33	26	19	14	10	8	6	5
21.25°	62	53	45	37	30	22	16	12	8	7	5
20°	67	57	49	41	33	26	18	14	9	7	6
18.75°	72	62	53	45	37	29	21	15	11	8	6
17.5°	77	67	57	48	40	32	24	17	13	8	7
16.25°	82	71	61	52	43	35	27	19	14	9	7
15°	87	75	65	55	46	38	29	21	15	11	8
13.75°	91	79	69	58	49	40	32	24	17	12	8
12.5°	95	83	72	61	51	43	34	26	18	13	8
11.25°	99	87	75	64	54	45	36	28	19	14	9
10°	102	90	78	67	56	47	38	29	21	15	10
8.75°	106	93	81	69	58	49	40	31	22	16	11
7.5°	109	96	83	71	60	50	41	32	24	16	11
6.25°	112	98	85	73	62	51	42	33	25	17	12
5°	114	99	87	75	63	52	43	34	26	18	13
3.75°	116	101	88	76	64	53	44	35	26	18	13
2.5°	118	102	89	76	65	54	45	35	27	18	13
1.25°	118	102	90	77	66	54	45	36	27	18	13
0°	119	103	90	77	66	54	45	36	27	18	13
-1.25°	118	102	90	77	66	54	45	36	27	18	13
-2.5°	118	102	89	76	65	54	45	35	27	18	13
-3.75°	116	101	88	76	64	53	44	35	26	18	13
-5°	114	99	87	75	63	52	43	34	26	18	13
-6.25°	112	98	85	73	62	51	42	33	25	17	12
-7.5°	109	96	83	71	60	50	41	32	24	16	11
-8.75°	106	93	81	69	58	49	40	31	22	16	11
-10°	102	90	78	67	56	47	38	29	21	15	10
-11.25°	99	87	75	64	54	45	36	28	19	14	9
-12.5°	95	83	72	61	51	43	34	26	18	13	8
-13.75°	91	79	69	58	49	40	32	24	17	12	8
-15°	87	75	65	55	46	38	29	21	15	11	8
-16.25°	82	71	61	52	43	35	27	19	14	9	7
-17.5°	77	67	57	48	40	32	24	17	13	8	7
-18.75°	72	62	53	45	37	29	21	15	11	8	6
-20°	67	57	49	41	33	26	18	14	9	7	6
-21.25°	62	53	45	37	30	22	16	12	8	7	5



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	56	48	41	33	26	19	14	10	8	6	5
-23.75°	51	44	36	29	22	16	12	8	7	6	5
-25°	46	39	32	25	18	14	10	8	6	5	5
-26.25°	41	34	28	21	16	12	8	7	6	5	4
-27.5°	36	30	23	17	13	10	7	6	5	5	4
-28.75°	31	25	18	15	11	8	7	6	5	4	4
-30°	26	20	16	12	8	7	6	5	5	4	4
-31.25°	21	16	13	9	7	6	5	5	4	4	4
-32.5°	16	13	10	8	7	6	5	4	4	4	4
-33.75°	13	10	8	7	6	5	5	4	4	4	4
-35°	10	8	7	6	5	5	4	4	4	4	3
-36.25°	8	7	6	5	5	4	4	4	4	3	3
-37.5°	7	6	5	5	4	4	4	4	3	3	3
-38.75°	6	5	5	4	4	4	4	4	3	3	3
-40°	5	5	4	4	4	4	4	3	3	3	3
-41.25°	5	4	4	4	4	4	3	3	3	3	3
-42.5°	4	4	4	4	4	3	3	3	3	3	3
-43.75°	4	4	4	3	3	3	3	3	3	3	3
-45°	4	4	3	3	3	3	3	3	3	3	2
-46.25°	4	3	3	3	3	3	3	3	3	2	2
-47.5°	3	3	3	3	3	3	3	3	2	2	2
-48.75°	3	3	3	3	3	3	3	2	2	2	2
-50°	3	3	3	3	3	2	2	2	2	2	2
-51.25°	3	3	3	3	2	2	2	2	2	2	1
-52.5°	3	3	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	1	0	0
-62.5°	1	1	1	1	1	1	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	0	0	0	0	0	0	0
55°	1	1	1	1	1	0	0	0	0	0	0
53.75°	1	1	1	1	1	1	0	0	0	0	0
52.5°	1	1	1	1	1	1	1	0	0	0	0
51.25°	1	1	1	1	1	1	1	1	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°	3	2	2	2	2	1	1	1	1	1	1
41.25°	3	3	2	2	2	2	1	1	1	1	1
40°	3	3	2	2	2	2	2	1	1	1	1
38.75°	3	3	3	2	2	2	2	1	1	1	1
37.5°	3	3	3	3	2	2	2	2	1	1	1
36.25°	3	3	3	3	2	2	2	2	1	1	1
35°	3	3	3	3	3	2	2	2	2	1	1



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	3	3	2	2	2	2	1	1
32.5°	3	3	3	3	3	3	2	2	2	1	1
31.25°	4	3	3	3	3	3	2	2	2	2	1
30°	4	3	3	3	3	3	3	2	2	2	1
28.75°	4	4	3	3	3	3	3	2	2	2	1
27.5°	4	4	3	3	3	3	3	2	2	2	2
26.25°	4	4	4	3	3	3	3	3	2	2	2
25°	4	4	4	3	3	3	3	3	2	2	2
23.75°	4	4	4	3	3	3	3	3	2	2	2
22.5°	5	4	4	4	3	3	3	3	3	2	2
21.25°	5	4	4	4	3	3	3	3	3	2	2
20°	5	4	4	4	3	3	3	3	3	2	2
18.75°	5	5	4	4	4	3	3	3	3	2	2
17.5°	5	5	4	4	4	3	3	3	3	2	2
16.25°	6	5	4	4	4	3	3	3	3	3	2
15°	6	5	4	4	4	3	3	3	3	3	2
13.75°	7	5	5	4	4	4	3	3	3	3	2
12.5°	7	5	5	4	4	4	3	3	3	3	2
11.25°	7	6	5	4	4	4	3	3	3	3	2
10°	7	6	5	4	4	4	3	3	3	3	2
8.75°	8	6	5	4	4	4	3	3	3	3	2
7.5°	8	6	5	4	4	4	3	3	3	3	3
6.25°	8	6	5	4	4	4	3	3	3	3	3
5°	8	7	5	5	4	4	3	3	3	3	3
3.75°	8	7	5	5	4	4	3	3	3	3	3
2.5°	8	7	5	5	4	4	3	3	3	3	3
1.25°	8	7	5	5	4	4	3	3	3	3	3
0°	8	7	5	5	4	4	4	3	3	3	3
-1.25°	8	7	5	5	4	4	3	3	3	3	3
-2.5°	8	7	5	5	4	4	3	3	3	3	3
-3.75°	8	7	5	5	4	4	3	3	3	3	3
-5°	8	7	5	5	4	4	3	3	3	3	3
-6.25°	8	6	5	4	4	4	3	3	3	3	3
-7.5°	8	6	5	4	4	4	3	3	3	3	3
-8.75°	8	6	5	4	4	4	3	3	3	3	2
-10°	7	6	5	4	4	4	3	3	3	3	2
-11.25°	7	6	5	4	4	4	3	3	3	3	2
-12.5°	7	5	5	4	4	4	3	3	3	3	2
-13.75°	7	5	5	4	4	4	3	3	3	3	2
-15°	6	5	4	4	4	3	3	3	3	3	2
-16.25°	6	5	4	4	4	3	3	3	3	3	2
-17.5°	5	5	4	4	4	3	3	3	3	2	2
-18.75°	5	5	4	4	4	3	3	3	3	2	2
-20°	5	4	4	4	3	3	3	3	3	2	2
-21.25°	5	4	4	4	3	3	3	3	3	2	2



REPORT NUMBER: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	5	4	4	4	3	3	3	3	3	2	2
-23.75°	4	4	4	3	3	3	3	3	2	2	2
-25°	4	4	4	3	3	3	3	3	2	2	2
-26.25°	4	4	4	3	3	3	3	3	2	2	2
-27.5°	4	4	3	3	3	3	3	2	2	2	2
-28.75°	4	4	3	3	3	3	3	2	2	2	1
-30°	4	3	3	3	3	3	3	2	2	2	1
-31.25°	4	3	3	3	3	3	2	2	2	2	1
-32.5°	3	3	3	3	3	3	2	2	2	1	1
-33.75°	3	3	3	3	3	2	2	2	2	1	1
-35°	3	3	3	3	3	2	2	2	2	1	1
-36.25°	3	3	3	3	2	2	2	2	1	1	1
-37.5°	3	3	3	3	2	2	2	2	1	1	1
-38.75°	3	3	3	2	2	2	2	1	1	1	1
-40°	3	3	2	2	2	2	2	1	1	1	1
-41.25°	3	3	2	2	2	2	1	1	1	1	1
-42.5°	3	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	1	0	0	0
-52.5°	1	1	1	1	1	1	1	0	0	0	0
-53.75°	1	1	1	1	1	1	0	0	0	0	0
-55°	1	1	1	1	1	0	0	0	0	0	0
-56.25°	1	1	1	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1	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	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	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	1	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	1	0	0	0	0
15°	2	2	1	1	1	1	1	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	1	0	0	0	0
-16.25°	2	2	1	1	1	1	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	1	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	1	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	1	0	0	0	0	0	0	0	0	0
-42.5°	1	0	0	0	0	0	0	0	0	0	0
-43.75°	1	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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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: P220554 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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)