

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: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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]-LED3097-S-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT
OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

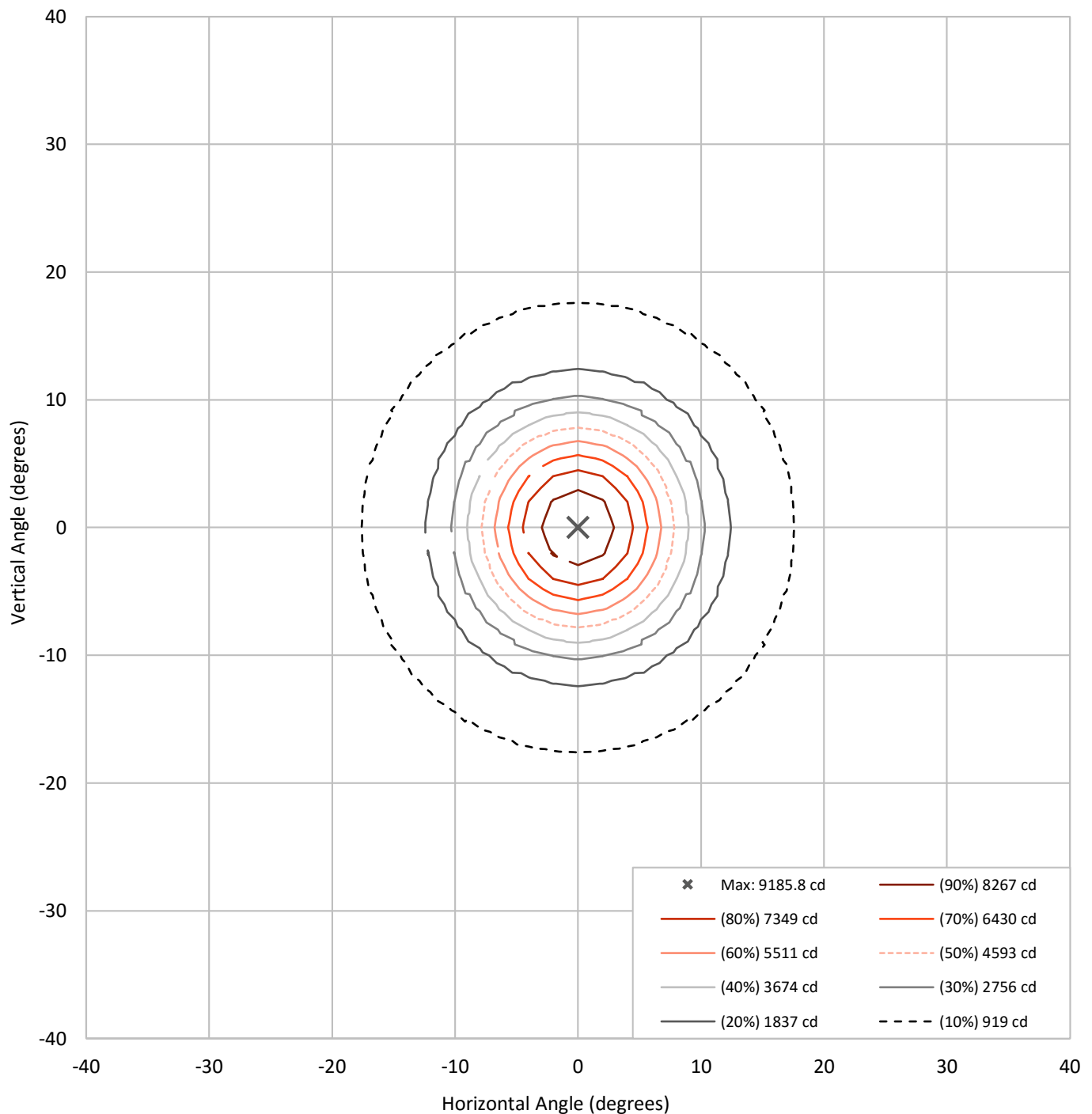
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1070 lumens	Max Intensity:	9185.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	53.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.7°H x 15.7°V	Field Angle (10%):	35°H x 35°V
Beam Lumens:	381.5 lumens	Field Lumens:	819.7 lumens
Beam Efficiency:	35.7%	Field Efficiency:	76.6%

Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

Iso-Candela Plot



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

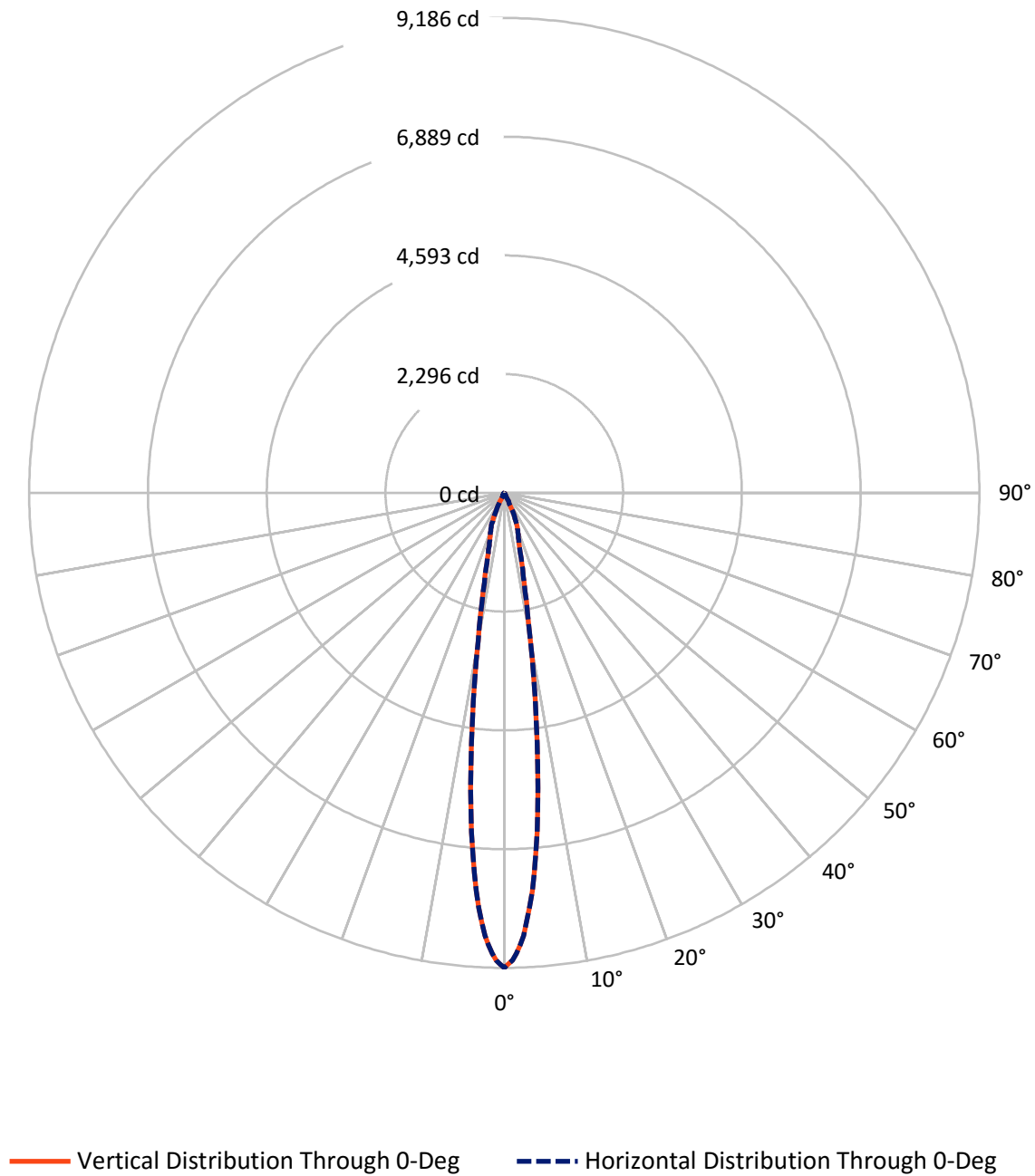
Lumen Table

90																
80	0.0	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
70																
60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
50		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0		0.0
40	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0
30		0.0	0.1	0.1	0.2	0.2	0.4	0.6	0.6	0.4	0.2	0.2	0.1	0.1	0.0	
20	0.0	0.0	0.1	0.1	0.2	0.5	3.3	9.4	9.4	3.3	0.5	0.2	0.1	0.1	0.0	0.0
10		0.0	0.1	0.1	0.3	3.1	19.3	36.6	36.6	19.3	3.1	0.3	0.1	0.1	0.0	
0	0.0	0.0	0.1	0.2	0.5	8.7	35.6	146.2	146.2	35.6	8.7	0.5	0.2	0.1	0.0	0.0
-10		0.0	0.1	0.2	0.5	8.7	35.6	146.2	146.2	35.6	8.7	0.5	0.2	0.1	0.0	
-20	0.0	0.0	0.1	0.1	0.3	3.1	19.3	36.6	36.6	19.3	3.1	0.3	0.1	0.1	0.0	0.0
-30		0.0	0.1	0.1	0.2	0.5	3.3	9.4	9.4	3.3	0.5	0.2	0.1	0.1	0.0	
-40	0.0	0.0	0.1	0.1	0.2	0.2	0.4	0.6	0.6	0.4	0.2	0.2	0.1	0.1	0.0	0.0
-50		0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	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	0.1	0.1	0.0	0.0	0.0	0.0
-70		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-80	0.0	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
-90																

Horizontal Angle (degrees)

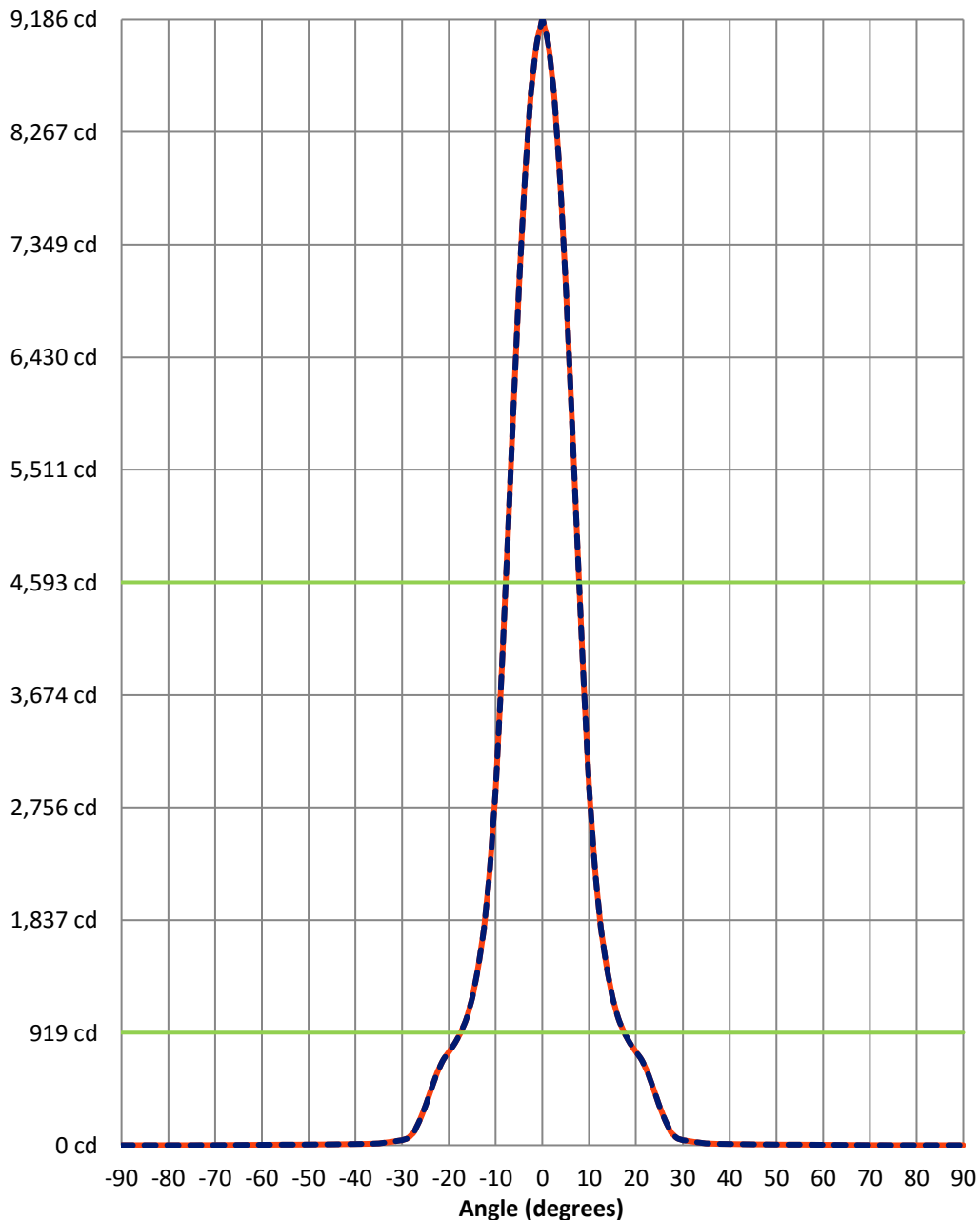
REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

Luminous Intensity Plot



Beam:
H Angle: 15.7°
V Angle: 15.7°
Lumens: 381.5
Efficiency: 35.7%

Field:
H Angle: 35°
V Angle: 35°
Lumens: 819.7
Efficiency: 76.6%

Spill:
Lumens: 250.3
Efficiency: 23.4%

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

FIELD
BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	1	2	2	2	3	3	3	3	4	4	4
32.5°	2	2	2	2	3	3	3	3	4	4	4
31.25°	2	2	2	2	3	3	3	4	4	4	4
30°	2	2	2	3	3	3	3	4	4	4	5
28.75°	2	2	2	3	3	3	4	4	4	4	5
27.5°	2	2	2	3	3	3	4	4	4	5	5
26.25°	2	2	3	3	3	3	4	4	4	5	5
25°	2	2	3	3	3	4	4	4	4	5	5
23.75°	2	2	3	3	3	4	4	4	5	5	5
22.5°	2	2	3	3	3	4	4	4	5	5	5
21.25°	2	3	3	3	4	4	4	4	5	5	5
20°	2	3	3	3	4	4	4	5	5	5	5
18.75°	2	3	3	3	4	4	4	5	5	5	5
17.5°	2	3	3	3	4	4	4	5	5	5	5
16.25°	2	3	3	3	4	4	4	5	5	5	5
15°	3	3	3	4	4	4	5	5	5	5	5
13.75°	3	3	3	4	4	4	5	5	5	5	5
12.5°	3	3	3	4	4	4	5	5	5	5	5
11.25°	3	3	3	4	4	4	5	5	5	5	5
10°	3	3	3	4	4	4	5	5	5	5	5
8.75°	3	3	3	4	4	4	5	5	5	5	5
7.5°	3	3	3	4	4	4	5	5	5	5	5
6.25°	3	3	3	4	4	4	5	5	5	5	6
5°	3	3	3	4	4	5	5	5	5	5	6
3.75°	3	3	3	4	4	5	5	5	5	5	6
2.5°	3	3	3	4	4	5	5	5	5	5	6
1.25°	3	3	3	4	4	5	5	5	5	5	6
0°	3	3	4	4	4	5	5	5	5	5	6
-1.25°	3	3	3	4	4	5	5	5	5	5	6
-2.5°	3	3	3	4	4	5	5	5	5	5	6
-3.75°	3	3	3	4	4	5	5	5	5	5	6
-5°	3	3	3	4	4	5	5	5	5	5	6
-6.25°	3	3	3	4	4	4	5	5	5	5	6
-7.5°	3	3	3	4	4	4	5	5	5	5	5
-8.75°	3	3	3	4	4	4	5	5	5	5	5
-10°	3	3	3	4	4	4	5	5	5	5	5
-11.25°	3	3	3	4	4	4	5	5	5	5	5
-12.5°	3	3	3	4	4	4	5	5	5	5	5
-13.75°	3	3	3	4	4	4	5	5	5	5	5
-15°	3	3	3	4	4	4	5	5	5	5	5
-16.25°	2	3	3	3	4	4	4	5	5	5	5
-17.5°	2	3	3	3	4	4	4	5	5	5	5
-18.75°	2	3	3	3	4	4	4	5	5	5	5
-20°	2	3	3	3	4	4	4	5	5	5	5
-21.25°	2	3	3	3	4	4	4	4	5	5	5

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	4	5	5	5	5	5	5	5	6	6	6
32.5°	5	5	5	5	5	5	5	6	6	6	6
31.25°	5	5	5	5	5	5	6	6	6	6	7
30°	5	5	5	5	5	6	6	6	6	7	7
28.75°	5	5	5	5	5	6	6	6	7	7	7
27.5°	5	5	5	5	6	6	6	6	7	7	7
26.25°	5	5	5	5	6	6	6	7	7	7	8
25°	5	5	5	6	6	6	7	7	7	8	8
23.75°	5	5	5	6	6	6	7	7	7	8	9
22.5°	5	5	6	6	6	7	7	7	8	8	9
21.25°	5	5	6	6	6	7	7	7	8	9	9
20°	5	5	6	6	6	7	7	8	8	9	9
18.75°	5	6	6	6	7	7	7	8	9	9	10
17.5°	5	6	6	6	7	7	8	8	9	9	10
16.25°	5	6	6	6	7	7	8	8	9	10	10
15°	5	6	6	7	7	7	8	9	9	10	11
13.75°	6	6	6	7	7	8	8	9	9	10	11
12.5°	6	6	6	7	7	8	8	9	10	10	11
11.25°	6	6	6	7	7	8	9	9	10	11	11
10°	6	6	7	7	7	8	9	9	10	11	11
8.75°	6	6	7	7	7	8	9	9	10	11	12
7.5°	6	6	7	7	8	8	9	10	10	11	12
6.25°	6	6	7	7	8	8	9	10	10	11	12
5°	6	6	7	7	8	8	9	10	10	11	13
3.75°	6	6	7	7	8	8	9	10	11	11	13
2.5°	6	6	7	7	8	8	9	10	11	11	13
1.25°	6	6	7	7	8	8	9	10	11	11	13
0°	6	6	7	7	8	9	9	10	11	11	13
-1.25°	6	6	7	7	8	8	9	10	11	11	13
-2.5°	6	6	7	7	8	8	9	10	11	11	13
-3.75°	6	6	7	7	8	8	9	10	11	11	13
-5°	6	6	7	7	8	8	9	10	10	11	13
-6.25°	6	6	7	7	8	8	9	10	10	11	12
-7.5°	6	6	7	7	8	8	9	10	10	11	12
-8.75°	6	6	7	7	7	8	9	9	10	11	12
-10°	6	6	7	7	7	8	9	9	10	11	11
-11.25°	6	6	6	7	7	8	9	9	10	11	11
-12.5°	6	6	6	7	7	8	8	9	10	10	11
-13.75°	6	6	6	7	7	8	8	9	9	10	11
-15°	5	6	6	7	7	7	8	9	9	10	11
-16.25°	5	6	6	6	7	7	8	8	9	10	10
-17.5°	5	6	6	6	7	7	8	8	9	9	10
-18.75°	5	6	6	6	7	7	7	8	9	9	10
-20°	5	5	6	6	6	7	7	8	8	9	9
-21.25°	5	5	6	6	6	7	7	7	8	9	9

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	5	5	6	6	6	7	7	7	8	8	9
-23.75°	5	5	5	6	6	6	7	7	7	8	9
-25°	5	5	5	6	6	6	7	7	7	8	8
-26.25°	5	5	5	5	6	6	6	7	7	7	8
-27.5°	5	5	5	5	6	6	6	6	7	7	7
-28.75°	5	5	5	5	5	6	6	6	7	7	7
-30°	5	5	5	5	5	6	6	6	6	7	7
-31.25°	5	5	5	5	5	5	6	6	6	6	7
-32.5°	5	5	5	5	5	5	5	6	6	6	6
-33.75°	4	5	5	5	5	5	5	5	6	6	6
-35°	4	5	5	5	5	5	5	5	6	6	6
-36.25°	4	4	5	5	5	5	5	5	5	6	6
-37.5°	4	4	4	5	5	5	5	5	5	5	6
-38.75°	4	4	4	4	5	5	5	5	5	5	5
-40°	4	4	4	4	5	5	5	5	5	5	5
-41.25°	3	4	4	4	4	5	5	5	5	5	5
-42.5°	3	3	4	4	4	4	5	5	5	5	5
-43.75°	3	3	3	4	4	4	4	5	5	5	5
-45°	3	3	3	4	4	4	4	4	4	5	5
-46.25°	3	3	3	3	3	4	4	4	4	4	5
-47.5°	3	3	3	3	3	3	4	4	4	4	4
-48.75°	2	3	3	3	3	3	3	4	4	4	4
-50°	2	2	2	3	3	3	3	3	4	4	4
-51.25°	2	2	2	2	3	3	3	3	3	3	4
-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°	1	1	2	2	2	2	2	2	3	3	3
-56.25°	1	1	1	2	2	2	2	2	2	2	3
-57.5°	1	1	1	1	1	2	2	2	2	2	2
-58.75°	1	1	1	1	1	1	2	2	2	2	2
-60°	1	1	1	1	1	1	1	1	2	2	2
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	0	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	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	0	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: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	1	1	1
70°	0	0	0	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	2
63.75°	1	1	1	1	1	1	2	2	2	2	2
62.5°	1	1	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	3	3	3	3
58.75°	2	2	2	2	3	3	3	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	4	4	4
55°	3	3	3	3	3	4	4	4	4	4	4
53.75°	3	3	3	4	4	4	4	4	4	4	4
52.5°	3	4	4	4	4	4	4	4	4	5	5
51.25°	4	4	4	4	4	4	5	5	5	5	5
50°	4	4	4	4	5	5	5	5	5	5	5
48.75°	4	4	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	6
45°	5	5	5	5	5	5	5	5	6	6	6
43.75°	5	5	5	5	5	5	6	6	6	6	6
42.5°	5	5	5	5	6	6	6	6	6	6	7
41.25°	5	5	5	6	6	6	6	6	7	7	7
40°	5	5	6	6	6	6	6	7	7	7	7
38.75°	6	6	6	6	6	7	7	7	7	7	8
37.5°	6	6	6	6	7	7	7	7	8	8	8
36.25°	6	6	6	7	7	7	7	8	8	9	9
35°	6	7	7	7	7	8	8	8	9	9	9

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	7	7	7	7	8	8	9	9	9	10	10
32.5°	7	7	7	8	8	9	9	9	10	10	11
31.25°	7	7	8	8	9	9	10	10	10	11	11
30°	7	8	8	9	9	10	10	10	11	11	12
28.75°	8	8	9	9	10	10	10	11	11	13	14
27.5°	8	9	9	10	10	10	11	12	13	14	15
26.25°	8	9	9	10	10	11	12	13	14	16	19
25°	9	9	10	10	11	11	13	14	16	20	24
23.75°	9	10	10	11	11	13	14	16	20	24	28
22.5°	9	10	11	11	12	14	15	19	24	28	33
21.25°	10	10	11	12	13	15	18	23	28	33	38
20°	10	11	11	13	14	17	22	26	32	38	44
18.75°	10	11	12	13	15	20	25	31	36	42	51
17.5°	11	11	13	14	18	23	28	34	40	48	69
16.25°	11	12	13	16	21	26	32	38	46	62	104
15°	11	13	14	18	23	29	35	42	52	83	150
13.75°	12	13	15	20	26	32	39	47	67	120	208
12.5°	12	14	17	22	28	35	42	53	88	164	265
11.25°	13	14	19	24	31	37	45	65	118	211	320
10°	13	15	20	26	33	40	49	77	152	257	376
8.75°	13	16	22	28	35	42	56	100	188	300	426
7.5°	14	17	23	29	37	45	64	121	221	340	471
6.25°	14	18	24	31	38	47	71	140	251	376	510
5°	14	19	25	32	39	49	80	162	276	406	542
3.75°	15	20	26	33	40	51	91	179	296	430	564
2.5°	15	20	26	34	41	54	98	191	310	447	580
1.25°	15	21	27	34	41	56	103	199	319	457	590
0°	15	21	27	34	42	56	104	201	322	461	593
-1.25°	15	21	27	34	41	56	103	199	319	457	590
-2.5°	15	20	26	34	41	54	98	191	310	447	580
-3.75°	15	20	26	33	40	51	91	179	296	430	564
-5°	14	19	25	32	39	49	80	162	276	406	542
-6.25°	14	18	24	31	38	47	71	140	251	376	510
-7.5°	14	17	23	29	37	45	64	121	221	340	471
-8.75°	13	16	22	28	35	42	56	100	188	300	426
-10°	13	15	20	26	33	40	49	77	152	257	376
-11.25°	13	14	19	24	31	37	45	65	118	211	320
-12.5°	12	14	17	22	28	35	42	53	88	164	265
-13.75°	12	13	15	20	26	32	39	47	67	120	208
-15°	11	13	14	18	23	29	35	42	52	83	150
-16.25°	11	12	13	16	21	26	32	38	46	62	104
-17.5°	11	11	13	14	18	23	28	34	40	48	69
-18.75°	10	11	12	13	15	20	25	31	36	42	51
-20°	10	11	11	13	14	17	22	26	32	38	44
-21.25°	10	10	11	12	13	15	18	23	28	33	38

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	5	5	5	5	5	5
53.75°	4	5	5	5	5	5	5	5	5	5	5
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	5	5	5	5	5	5
50°	5	5	5	5	5	5	5	5	5	5	5
48.75°	5	5	5	5	5	5	6	6	6	6	6
47.5°	5	5	6	6	6	6	6	6	6	6	6
46.25°	6	6	6	6	6	6	6	6	6	7	7
45°	6	6	6	6	6	7	7	7	7	7	7
43.75°	6	6	7	7	7	7	7	7	7	7	7
42.5°	7	7	7	7	7	7	8	8	8	8	8
41.25°	7	7	7	8	8	8	8	8	9	9	9
40°	7	8	8	8	8	9	9	9	9	9	9
38.75°	8	8	9	9	9	9	9	10	10	10	10
37.5°	9	9	9	9	10	10	10	10	11	11	11
36.25°	9	9	10	10	10	11	11	11	11	11	12
35°	10	10	10	11	11	11	12	12	13	13	13

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	10	11	11	11	12	13	13	14	14	15	16
32.5°	11	11	12	13	13	14	15	17	19	20	22
31.25°	12	13	13	14	16	18	20	22	24	26	28
30°	13	14	15	18	21	23	26	28	31	33	35
28.75°	15	17	20	23	26	29	32	35	37	40	42
27.5°	18	22	25	28	32	35	39	42	45	49	56
26.25°	23	26	31	34	38	42	47	53	65	77	100
25°	28	32	36	40	46	52	67	88	118	152	188
23.75°	33	38	42	48	62	83	120	164	211	257	300
22.5°	38	44	51	69	104	150	208	265	320	376	426
21.25°	44	54	74	118	177	243	309	377	441	501	554
20°	54	75	125	194	267	342	421	494	561	616	660
18.75°	74	125	199	280	364	450	533	602	659	702	732
17.5°	118	194	280	371	465	555	630	686	728	758	787
16.25°	177	267	364	465	561	644	702	743	778	813	853
15°	243	342	450	555	644	708	750	791	835	882	931
13.75°	309	421	533	630	702	750	795	846	902	960	1028
12.5°	377	494	602	686	743	791	846	909	979	1059	1171
11.25°	441	561	659	728	778	835	902	979	1074	1202	1349
10°	501	616	702	758	813	882	960	1059	1202	1370	1557
8.75°	554	660	732	787	853	931	1028	1171	1349	1557	1815
7.5°	596	692	755	814	890	981	1109	1288	1504	1776	2130
6.25°	632	718	776	843	926	1031	1192	1400	1661	2017	2490
5°	656	734	793	868	957	1084	1275	1514	1832	2271	2869
3.75°	674	746	808	888	988	1136	1345	1606	1986	2527	3255
2.5°	686	755	819	904	1010	1173	1396	1694	2124	2735	3552
1.25°	694	760	827	914	1024	1196	1434	1750	2209	2864	3753
0°	696	762	830	917	1029	1204	1446	1769	2237	2907	3825
-1.25°	694	760	827	914	1024	1196	1434	1750	2209	2864	3753
-2.5°	686	755	819	904	1010	1173	1396	1694	2124	2735	3552
-3.75°	674	746	808	888	988	1136	1345	1606	1986	2527	3255
-5°	656	734	793	868	957	1084	1275	1514	1832	2271	2869
-6.25°	632	718	776	843	926	1031	1192	1400	1661	2017	2490
-7.5°	596	692	755	814	890	981	1109	1288	1504	1776	2130
-8.75°	554	660	732	787	853	931	1028	1171	1349	1557	1815
-10°	501	616	702	758	813	882	960	1059	1202	1370	1557
-11.25°	441	561	659	728	778	835	902	979	1074	1202	1349
-12.5°	377	494	602	686	743	791	846	909	979	1059	1171
-13.75°	309	421	533	630	702	750	795	846	902	960	1028
-15°	243	342	450	555	644	708	750	791	835	882	931
-16.25°	177	267	364	465	561	644	702	743	778	813	853
-17.5°	118	194	280	371	465	555	630	686	728	758	787
-18.75°	74	125	199	280	364	450	533	602	659	702	732
-20°	54	75	125	194	267	342	421	494	561	616	660
-21.25°	44	54	74	118	177	243	309	377	441	501	554

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	38	44	51	69	104	150	208	265	320	376	426
-23.75°	33	38	42	48	62	83	120	164	211	257	300
-25°	28	32	36	40	46	52	67	88	118	152	188
-26.25°	23	26	31	34	38	42	47	53	65	77	100
-27.5°	18	22	25	28	32	35	39	42	45	49	56
-28.75°	15	17	20	23	26	29	32	35	37	40	42
-30°	13	14	15	18	21	23	26	28	31	33	35
-31.25°	12	13	13	14	16	18	20	22	24	26	28
-32.5°	11	11	12	13	13	14	15	17	19	20	22
-33.75°	10	11	11	11	12	13	13	14	14	15	16
-35°	10	10	10	11	11	11	12	12	13	13	13
-36.25°	9	9	10	10	10	11	11	11	11	11	12
-37.5°	9	9	9	9	10	10	10	10	11	11	11
-38.75°	8	8	9	9	9	9	9	10	10	10	10
-40°	7	8	8	8	8	9	9	9	9	9	9
-41.25°	7	7	7	8	8	8	8	8	9	9	9
-42.5°	7	7	7	7	7	7	8	8	8	8	8
-43.75°	6	6	7	7	7	7	7	7	7	7	7
-45°	6	6	6	6	6	7	7	7	7	7	7
-46.25°	6	6	6	6	6	6	6	6	6	7	7
-47.5°	5	5	6	6	6	6	6	6	6	6	6
-48.75°	5	5	5	5	5	5	6	6	6	6	6
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	4	5	5	5	5	5	5	5	5	5	5
-55°	4	4	4	4	4	5	5	5	5	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	3	3	3	3	3	4	4	4	4	4	4
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	1	1	1	1	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	4	3	3	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	5	5	5	5
53.75°	5	5	5	5	5	5	5	5	5	5	5
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	5	5	5	5	5	5
50°	5	6	6	6	6	6	6	6	6	6	6
48.75°	6	6	6	6	6	6	6	6	6	6	6
47.5°	6	6	6	6	6	6	6	6	6	6	6
46.25°	7	7	7	7	7	7	7	7	7	7	7
45°	7	7	7	7	7	7	7	7	7	7	7
43.75°	8	8	8	8	8	8	8	8	8	8	8
42.5°	8	8	8	8	8	8	9	8	8	8	8
41.25°	9	9	9	9	9	9	9	9	9	9	9
40°	10	10	10	10	10	10	10	10	10	10	10
38.75°	10	10	10	11	11	11	11	11	11	11	10
37.5°	11	11	11	11	11	11	11	11	11	11	11
36.25°	12	12	13	13	13	13	13	13	13	13	13
35°	14	14	14	15	15	15	15	15	15	15	14

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	17	18	19	20	20	21	21	21	20	20	19
32.5°	23	24	25	26	26	27	27	27	26	26	25
31.25°	29	31	32	33	34	34	34	34	34	33	32
30°	37	38	39	40	41	41	42	41	41	40	39
28.75°	45	47	49	51	54	56	56	56	54	51	49
27.5°	64	71	80	91	98	103	104	103	98	91	80
26.25°	121	140	162	179	191	199	201	199	191	179	162
25°	221	251	276	296	310	319	322	319	310	296	276
23.75°	340	376	406	430	447	457	461	457	447	430	406
22.5°	471	510	542	564	580	590	593	590	580	564	542
21.25°	596	632	656	674	686	694	696	694	686	674	656
20°	692	718	734	746	755	760	762	760	755	746	734
18.75°	755	776	793	808	819	827	830	827	819	808	793
17.5°	814	843	868	888	904	914	917	914	904	888	868
16.25°	890	926	957	988	1010	1024	1029	1024	1010	988	957
15°	981	1031	1084	1136	1173	1196	1204	1196	1173	1136	1084
13.75°	1109	1192	1275	1345	1396	1434	1446	1434	1396	1345	1275
12.5°	1288	1400	1514	1606	1694	1750	1769	1750	1694	1606	1514
11.25°	1504	1661	1832	1986	2124	2209	2237	2209	2124	1986	1832
10°	1776	2017	2271	2527	2735	2864	2907	2864	2735	2527	2271
8.75°	2130	2490	2869	3255	3552	3753	3825	3753	3552	3255	2869
7.5°	2573	3085	3617	4126	4521	4788	4879	4788	4521	4126	3617
6.25°	3085	3760	4438	5070	5557	5864	5971	5864	5557	5070	4438
5°	3617	4438	5264	5973	6525	6884	7010	6884	6525	5973	5264
3.75°	4126	5070	5973	6762	7376	7779	7900	7779	7376	6762	5973
2.5°	4521	5557	6525	7376	8028	8439	8571	8439	8028	7376	6525
1.25°	4788	5864	6884	7779	8439	8858	9000	8858	8439	7779	6884
0°	4879	5971	7010	7900	8571	9000	9186	9000	8571	7900	7010
-1.25°	4788	5864	6884	7779	8439	8858	9000	8858	8439	7779	6884
-2.5°	4521	5557	6525	7376	8028	8439	8571	8439	8028	7376	6525
-3.75°	4126	5070	5973	6762	7376	7779	7900	7779	7376	6762	5973
-5°	3617	4438	5264	5973	6525	6884	7010	6884	6525	5973	5264
-6.25°	3085	3760	4438	5070	5557	5864	5971	5864	5557	5070	4438
-7.5°	2573	3085	3617	4126	4521	4788	4879	4788	4521	4126	3617
-8.75°	2130	2490	2869	3255	3552	3753	3825	3753	3552	3255	2869
-10°	1776	2017	2271	2527	2735	2864	2907	2864	2735	2527	2271
-11.25°	1504	1661	1832	1986	2124	2209	2237	2209	2124	1986	1832
-12.5°	1288	1400	1514	1606	1694	1750	1769	1750	1694	1606	1514
-13.75°	1109	1192	1275	1345	1396	1434	1446	1434	1396	1345	1275
-15°	981	1031	1084	1136	1173	1196	1204	1196	1173	1136	1084
-16.25°	890	926	957	988	1010	1024	1029	1024	1010	988	957
-17.5°	814	843	868	888	904	914	917	914	904	888	868
-18.75°	755	776	793	808	819	827	830	827	819	808	793
-20°	692	718	734	746	755	760	762	760	755	746	734
-21.25°	596	632	656	674	686	694	696	694	686	674	656

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	471	510	542	564	580	590	593	590	580	564	542
-23.75°	340	376	406	430	447	457	461	457	447	430	406
-25°	221	251	276	296	310	319	322	319	310	296	276
-26.25°	121	140	162	179	191	199	201	199	191	179	162
-27.5°	64	71	80	91	98	103	104	103	98	91	80
-28.75°	45	47	49	51	54	56	56	56	54	51	49
-30°	37	38	39	40	41	41	42	41	41	40	39
-31.25°	29	31	32	33	34	34	34	34	34	33	32
-32.5°	23	24	25	26	26	27	27	27	26	26	25
-33.75°	17	18	19	20	20	21	21	21	20	20	19
-35°	14	14	14	15	15	15	15	15	15	15	14
-36.25°	12	12	13	13	13	13	13	13	13	13	13
-37.5°	11	11	11	11	11	11	11	11	11	11	11
-38.75°	10	10	10	11	11	11	11	11	11	11	10
-40°	10	10	10	10	10	10	10	10	10	10	10
-41.25°	9	9	9	9	9	9	9	9	9	9	9
-42.5°	8	8	8	8	8	8	9	8	8	8	8
-43.75°	8	8	8	8	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	7	7	7	7	7
-46.25°	7	7	7	7	7	7	7	7	7	7	7
-47.5°	6	6	6	6	6	6	6	6	6	6	6
-48.75°	6	6	6	6	6	6	6	6	6	6	6
-50°	5	6	6	6	6	6	6	6	6	6	6
-51.25°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	5	5	5	5	5	5	5	5	5	5	5
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	4	4	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	3	4	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	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: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	0	0	0
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	1	1	1
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	2	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	4	4	4	4	4	4	4	4	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	5	5	5	5	4	4	4
53.75°	5	5	5	5	5	5	5	5	5	5	5
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	5	5	5	5	5	5
50°	6	5	5	5	5	5	5	5	5	5	5
48.75°	6	6	6	6	6	6	6	5	5	5	5
47.5°	6	6	6	6	6	6	6	6	6	6	6
46.25°	7	7	7	7	6	6	6	6	6	6	6
45°	7	7	7	7	7	7	7	7	6	6	6
43.75°	8	8	7	7	7	7	7	7	7	7	7
42.5°	8	8	8	8	8	8	8	7	7	7	7
41.25°	9	9	9	9	9	8	8	8	8	8	7
40°	10	10	9	9	9	9	9	9	8	8	8
38.75°	10	10	10	10	10	10	9	9	9	9	9
37.5°	11	11	11	11	11	10	10	10	10	9	9
36.25°	12	12	12	11	11	11	11	11	10	10	10
35°	14	14	13	13	13	12	12	11	11	11	10

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	18	17	16	15	14	14	13	13	12	11	11
32.5°	24	23	22	20	19	17	15	14	13	13	12
31.25°	31	29	28	26	24	22	20	18	16	14	13
30°	38	37	35	33	31	28	26	23	21	18	15
28.75°	47	45	42	40	37	35	32	29	26	23	20
27.5°	71	64	56	49	45	42	39	35	32	28	25
26.25°	140	121	100	77	65	53	47	42	38	34	31
25°	251	221	188	152	118	88	67	52	46	40	36
23.75°	376	340	300	257	211	164	120	83	62	48	42
22.5°	510	471	426	376	320	265	208	150	104	69	51
21.25°	632	596	554	501	441	377	309	243	177	118	74
20°	718	692	660	616	561	494	421	342	267	194	125
18.75°	776	755	732	702	659	602	533	450	364	280	199
17.5°	843	814	787	758	728	686	630	555	465	371	280
16.25°	926	890	853	813	778	743	702	644	561	465	364
15°	1031	981	931	882	835	791	750	708	644	555	450
13.75°	1192	1109	1028	960	902	846	795	750	702	630	533
12.5°	1400	1288	1171	1059	979	909	846	791	743	686	602
11.25°	1661	1504	1349	1202	1074	979	902	835	778	728	659
10°	2017	1776	1557	1370	1202	1059	960	882	813	758	702
8.75°	2490	2130	1815	1557	1349	1171	1028	931	853	787	732
7.5°	3085	2573	2130	1776	1504	1288	1109	981	890	814	755
6.25°	3760	3085	2490	2017	1661	1400	1192	1031	926	843	776
5°	4438	3617	2869	2271	1832	1514	1275	1084	957	868	793
3.75°	5070	4126	3255	2527	1986	1606	1345	1136	988	888	808
2.5°	5557	4521	3552	2735	2124	1694	1396	1173	1010	904	819
1.25°	5864	4788	3753	2864	2209	1750	1434	1196	1024	914	827
0°	5971	4879	3825	2907	2237	1769	1446	1204	1029	917	830
-1.25°	5864	4788	3753	2864	2209	1750	1434	1196	1024	914	827
-2.5°	5557	4521	3552	2735	2124	1694	1396	1173	1010	904	819
-3.75°	5070	4126	3255	2527	1986	1606	1345	1136	988	888	808
-5°	4438	3617	2869	2271	1832	1514	1275	1084	957	868	793
-6.25°	3760	3085	2490	2017	1661	1400	1192	1031	926	843	776
-7.5°	3085	2573	2130	1776	1504	1288	1109	981	890	814	755
-8.75°	2490	2130	1815	1557	1349	1171	1028	931	853	787	732
-10°	2017	1776	1557	1370	1202	1059	960	882	813	758	702
-11.25°	1661	1504	1349	1202	1074	979	902	835	778	728	659
-12.5°	1400	1288	1171	1059	979	909	846	791	743	686	602
-13.75°	1192	1109	1028	960	902	846	795	750	702	630	533
-15°	1031	981	931	882	835	791	750	708	644	555	450
-16.25°	926	890	853	813	778	743	702	644	561	465	364
-17.5°	843	814	787	758	728	686	630	555	465	371	280
-18.75°	776	755	732	702	659	602	533	450	364	280	199
-20°	718	692	660	616	561	494	421	342	267	194	125
-21.25°	632	596	554	501	441	377	309	243	177	118	74

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	510	471	426	376	320	265	208	150	104	69	51
-23.75°	376	340	300	257	211	164	120	83	62	48	42
-25°	251	221	188	152	118	88	67	52	46	40	36
-26.25°	140	121	100	77	65	53	47	42	38	34	31
-27.5°	71	64	56	49	45	42	39	35	32	28	25
-28.75°	47	45	42	40	37	35	32	29	26	23	20
-30°	38	37	35	33	31	28	26	23	21	18	15
-31.25°	31	29	28	26	24	22	20	18	16	14	13
-32.5°	24	23	22	20	19	17	15	14	13	13	12
-33.75°	18	17	16	15	14	14	13	13	12	11	11
-35°	14	14	13	13	13	12	12	11	11	11	10
-36.25°	12	12	12	11	11	11	11	11	10	10	10
-37.5°	11	11	11	11	11	10	10	10	10	9	9
-38.75°	10	10	10	10	10	10	9	9	9	9	9
-40°	10	10	9	9	9	9	9	9	8	8	8
-41.25°	9	9	9	9	9	8	8	8	8	8	7
-42.5°	8	8	8	8	8	8	8	7	7	7	7
-43.75°	8	8	7	7	7	7	7	7	7	7	7
-45°	7	7	7	7	7	7	7	7	6	6	6
-46.25°	7	7	7	7	6	6	6	6	6	6	6
-47.5°	6	6	6	6	6	6	6	6	6	6	6
-48.75°	6	6	6	6	6	6	6	5	5	5	5
-50°	6	5	5	5	5	5	5	5	5	5	5
-51.25°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	5	5	5	5	5	5	5	5	5	5	5
-55°	5	5	5	5	5	5	5	5	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	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: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	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°	2	2	2	1	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	3	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	3	3	2	2
57.5°	4	4	3	3	3	3	3	3	3	3	3
56.25°	4	4	4	4	4	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	3	3	3
53.75°	5	4	4	4	4	4	4	4	4	4	3
52.5°	5	5	5	5	4	4	4	4	4	4	4
51.25°	5	5	5	5	5	5	5	4	4	4	4
50°	5	5	5	5	5	5	5	5	5	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°	6	6	6	5	5	5	5	5	5	5	5
45°	6	6	6	6	6	5	5	5	5	5	5
43.75°	6	6	6	6	6	6	6	5	5	5	5
42.5°	7	7	7	6	6	6	6	6	6	5	5
41.25°	7	7	7	7	7	6	6	6	6	6	5
40°	8	7	7	7	7	7	6	6	6	6	6
38.75°	8	8	8	7	7	7	7	7	6	6	6
37.5°	9	9	8	8	8	7	7	7	7	6	6
36.25°	9	9	9	9	8	8	7	7	7	7	6
35°	10	10	9	9	9	8	8	8	7	7	7

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	11	10	10	10	9	9	9	8	8	7	7
32.5°	11	11	11	10	10	9	9	9	8	8	7
31.25°	13	12	11	11	10	10	10	9	9	8	8
30°	14	13	12	11	11	10	10	10	9	9	8
28.75°	17	15	14	13	11	11	10	10	10	9	9
27.5°	22	18	15	14	13	12	11	10	10	10	9
26.25°	26	23	19	16	14	13	12	11	10	10	9
25°	32	28	24	20	16	14	13	11	11	10	10
23.75°	38	33	28	24	20	16	14	13	11	11	10
22.5°	44	38	33	28	24	19	15	14	12	11	11
21.25°	54	44	38	33	28	23	18	15	13	12	11
20°	75	54	44	38	32	26	22	17	14	13	11
18.75°	125	74	51	42	36	31	25	20	15	13	12
17.5°	194	118	69	48	40	34	28	23	18	14	13
16.25°	267	177	104	62	46	38	32	26	21	16	13
15°	342	243	150	83	52	42	35	29	23	18	14
13.75°	421	309	208	120	67	47	39	32	26	20	15
12.5°	494	377	265	164	88	53	42	35	28	22	17
11.25°	561	441	320	211	118	65	45	37	31	24	19
10°	616	501	376	257	152	77	49	40	33	26	20
8.75°	660	554	426	300	188	100	56	42	35	28	22
7.5°	692	596	471	340	221	121	64	45	37	29	23
6.25°	718	632	510	376	251	140	71	47	38	31	24
5°	734	656	542	406	276	162	80	49	39	32	25
3.75°	746	674	564	430	296	179	91	51	40	33	26
2.5°	755	686	580	447	310	191	98	54	41	34	26
1.25°	760	694	590	457	319	199	103	56	41	34	27
0°	762	696	593	461	322	201	104	56	42	34	27
-1.25°	760	694	590	457	319	199	103	56	41	34	27
-2.5°	755	686	580	447	310	191	98	54	41	34	26
-3.75°	746	674	564	430	296	179	91	51	40	33	26
-5°	734	656	542	406	276	162	80	49	39	32	25
-6.25°	718	632	510	376	251	140	71	47	38	31	24
-7.5°	692	596	471	340	221	121	64	45	37	29	23
-8.75°	660	554	426	300	188	100	56	42	35	28	22
-10°	616	501	376	257	152	77	49	40	33	26	20
-11.25°	561	441	320	211	118	65	45	37	31	24	19
-12.5°	494	377	265	164	88	53	42	35	28	22	17
-13.75°	421	309	208	120	67	47	39	32	26	20	15
-15°	342	243	150	83	52	42	35	29	23	18	14
-16.25°	267	177	104	62	46	38	32	26	21	16	13
-17.5°	194	118	69	48	40	34	28	23	18	14	13
-18.75°	125	74	51	42	36	31	25	20	15	13	12
-20°	75	54	44	38	32	26	22	17	14	13	11
-21.25°	54	44	38	33	28	23	18	15	13	12	11

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	44	38	33	28	24	19	15	14	12	11	11
-23.75°	38	33	28	24	20	16	14	13	11	11	10
-25°	32	28	24	20	16	14	13	11	11	10	10
-26.25°	26	23	19	16	14	13	12	11	10	10	9
-27.5°	22	18	15	14	13	12	11	10	10	10	9
-28.75°	17	15	14	13	11	11	10	10	10	9	9
-30°	14	13	12	11	11	10	10	10	9	9	8
-31.25°	13	12	11	11	10	10	10	9	9	8	8
-32.5°	11	11	11	10	10	9	9	9	8	8	7
-33.75°	11	10	10	10	9	9	9	8	8	7	7
-35°	10	10	9	9	9	8	8	8	7	7	7
-36.25°	9	9	9	9	8	8	7	7	7	7	6
-37.5°	9	9	8	8	8	7	7	7	7	6	6
-38.75°	8	8	8	7	7	7	7	7	6	6	6
-40°	8	7	7	7	7	7	6	6	6	6	6
-41.25°	7	7	7	7	7	6	6	6	6	6	5
-42.5°	7	7	7	6	6	6	6	6	6	5	5
-43.75°	6	6	6	6	6	6	6	5	5	5	5
-45°	6	6	6	6	6	5	5	5	5	5	5
-46.25°	6	6	6	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°	5	5	5	5	5	5	5	5	5	4	4
-51.25°	5	5	5	5	5	5	5	4	4	4	4
-52.5°	5	5	5	5	4	4	4	4	4	4	4
-53.75°	5	4	4	4	4	4	4	4	4	4	3
-55°	4	4	4	4	4	4	4	4	3	3	3
-56.25°	4	4	4	4	4	3	3	3	3	3	3
-57.5°	4	4	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	3	3	3	3	2	2	2	2	2
-61.25°	3	3	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	1	1	1	1
-65°	2	2	2	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	0
-71.25°	1	1	1	1	1	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: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	7	7	6	6	6	5	5	5	5	5	5
32.5°	7	7	6	6	6	6	5	5	5	5	5
31.25°	7	7	7	6	6	6	6	5	5	5	5
30°	8	7	7	7	6	6	6	6	5	5	5
28.75°	8	8	7	7	7	6	6	6	5	5	5
27.5°	9	8	7	7	7	6	6	6	6	5	5
26.25°	9	8	8	7	7	7	6	6	6	5	5
25°	9	9	8	8	7	7	7	6	6	6	5
23.75°	10	9	9	8	7	7	7	6	6	6	5
22.5°	10	9	9	8	8	7	7	7	6	6	6
21.25°	10	10	9	9	8	7	7	7	6	6	6
20°	11	10	9	9	8	8	7	7	6	6	6
18.75°	11	10	10	9	9	8	7	7	7	6	6
17.5°	11	11	10	9	9	8	8	7	7	6	6
16.25°	12	11	10	10	9	8	8	7	7	6	6
15°	13	11	11	10	9	9	8	7	7	7	6
13.75°	13	12	11	10	9	9	8	8	7	7	6
12.5°	14	12	11	10	10	9	8	8	7	7	6
11.25°	14	13	11	11	10	9	9	8	7	7	6
10°	15	13	11	11	10	9	9	8	7	7	7
8.75°	16	13	12	11	10	9	9	8	7	7	7
7.5°	17	14	12	11	10	10	9	8	8	7	7
6.25°	18	14	12	11	10	10	9	8	8	7	7
5°	19	14	13	11	10	10	9	8	8	7	7
3.75°	20	15	13	11	11	10	9	8	8	7	7
2.5°	20	15	13	11	11	10	9	8	8	7	7
1.25°	21	15	13	11	11	10	9	8	8	7	7
0°	21	15	13	11	11	10	9	8	8	7	7
-1.25°	21	15	13	11	11	10	9	8	8	7	7
-2.5°	20	15	13	11	11	10	9	8	8	7	7
-3.75°	20	15	13	11	11	10	9	8	8	7	7
-5°	19	14	13	11	10	10	9	8	8	7	7
-6.25°	18	14	12	11	10	10	9	8	8	7	7
-7.5°	17	14	12	11	10	10	9	8	8	7	7
-8.75°	16	13	12	11	10	9	9	8	7	7	7
-10°	15	13	11	11	10	9	9	8	7	7	7
-11.25°	14	13	11	11	10	9	9	8	7	7	6
-12.5°	14	12	11	10	10	9	8	8	7	7	6
-13.75°	13	12	11	10	9	9	8	8	7	7	6
-15°	13	11	11	10	9	9	8	7	7	7	6
-16.25°	12	11	10	10	9	8	8	7	7	6	6
-17.5°	11	11	10	9	9	8	8	7	7	6	6
-18.75°	11	10	10	9	9	8	7	7	7	6	6
-20°	11	10	9	9	8	8	7	7	6	6	6
-21.25°	10	10	9	9	8	7	7	7	6	6	6

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	10	9	9	8	8	7	7	7	6	6	6
-23.75°	10	9	9	8	7	7	7	6	6	6	5
-25°	9	9	8	8	7	7	7	6	6	6	5
-26.25°	9	8	8	7	7	7	6	6	6	5	5
-27.5°	9	8	7	7	7	6	6	6	6	5	5
-28.75°	8	8	7	7	7	6	6	6	5	5	5
-30°	8	7	7	7	6	6	6	6	5	5	5
-31.25°	7	7	7	6	6	6	6	5	5	5	5
-32.5°	7	7	6	6	6	6	5	5	5	5	5
-33.75°	7	7	6	6	6	5	5	5	5	5	5
-35°	7	6	6	6	6	5	5	5	5	5	5
-36.25°	6	6	6	6	5	5	5	5	5	5	5
-37.5°	6	6	6	5	5	5	5	5	5	5	4
-38.75°	6	6	5	5	5	5	5	5	5	4	4
-40°	5	5	5	5	5	5	5	5	5	4	4
-41.25°	5	5	5	5	5	5	5	5	4	4	4
-42.5°	5	5	5	5	5	5	5	4	4	4	4
-43.75°	5	5	5	5	5	5	4	4	4	4	3
-45°	5	5	5	5	4	4	4	4	4	4	3
-46.25°	5	5	5	4	4	4	4	4	3	3	3
-47.5°	5	5	4	4	4	4	4	3	3	3	3
-48.75°	4	4	4	4	4	4	3	3	3	3	3
-50°	4	4	4	4	4	3	3	3	3	3	2
-51.25°	4	4	4	3	3	3	3	3	3	2	2
-52.5°	4	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	3	3	2	2	2	2	2	2
-56.25°	3	3	3	2	2	2	2	2	2	2	1
-57.5°	3	2	2	2	2	2	2	2	1	1	1
-58.75°	2	2	2	2	2	2	2	1	1	1	1
-60°	2	2	2	2	2	1	1	1	1	1	1
-61.25°	2	2	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	0	0	0	0	0
-68.75°	1	1	1	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: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	5	5	5	5	5	4	4	4	3	3	3
-23.75°	5	5	5	5	5	4	4	4	3	3	3
-25°	5	5	5	5	4	4	4	4	3	3	3
-26.25°	5	5	5	5	4	4	4	3	3	3	3
-27.5°	5	5	5	5	4	4	4	3	3	3	2
-28.75°	5	5	5	4	4	4	4	3	3	3	2
-30°	5	5	5	4	4	4	3	3	3	3	2
-31.25°	5	5	4	4	4	4	3	3	3	2	2
-32.5°	5	5	4	4	4	3	3	3	3	2	2
-33.75°	5	4	4	4	4	3	3	3	3	2	2
-35°	5	4	4	4	3	3	3	3	2	2	2
-36.25°	4	4	4	4	3	3	3	3	2	2	2
-37.5°	4	4	4	3	3	3	3	2	2	2	2
-38.75°	4	4	4	3	3	3	3	2	2	2	2
-40°	4	4	3	3	3	3	2	2	2	2	1
-41.25°	4	3	3	3	3	2	2	2	2	2	1
-42.5°	3	3	3	3	3	2	2	2	2	1	1
-43.75°	3	3	3	3	2	2	2	2	1	1	1
-45°	3	3	3	2	2	2	2	2	1	1	1
-46.25°	3	3	2	2	2	2	2	1	1	1	1
-47.5°	3	3	2	2	2	2	1	1	1	1	1
-48.75°	3	2	2	2	2	2	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-51.25°	2	2	2	2	1	1	1	1	1	1	1
-52.5°	2	2	2	1	1	1	1	1	1	1	1
-53.75°	2	2	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	0
-56.25°	1	1	1	1	1	1	1	1	1	0	0
-57.5°	1	1	1	1	1	1	1	1	0	0	0
-58.75°	1	1	1	1	1	1	1	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-61.25°	1	1	1	1	1	0	0	0	0	0	0
-62.5°	1	1	1	1	0	0	0	0	0	0	0
-63.75°	1	1	0	0	0	0	0	0	0	0	0
-65°	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: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)