

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: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

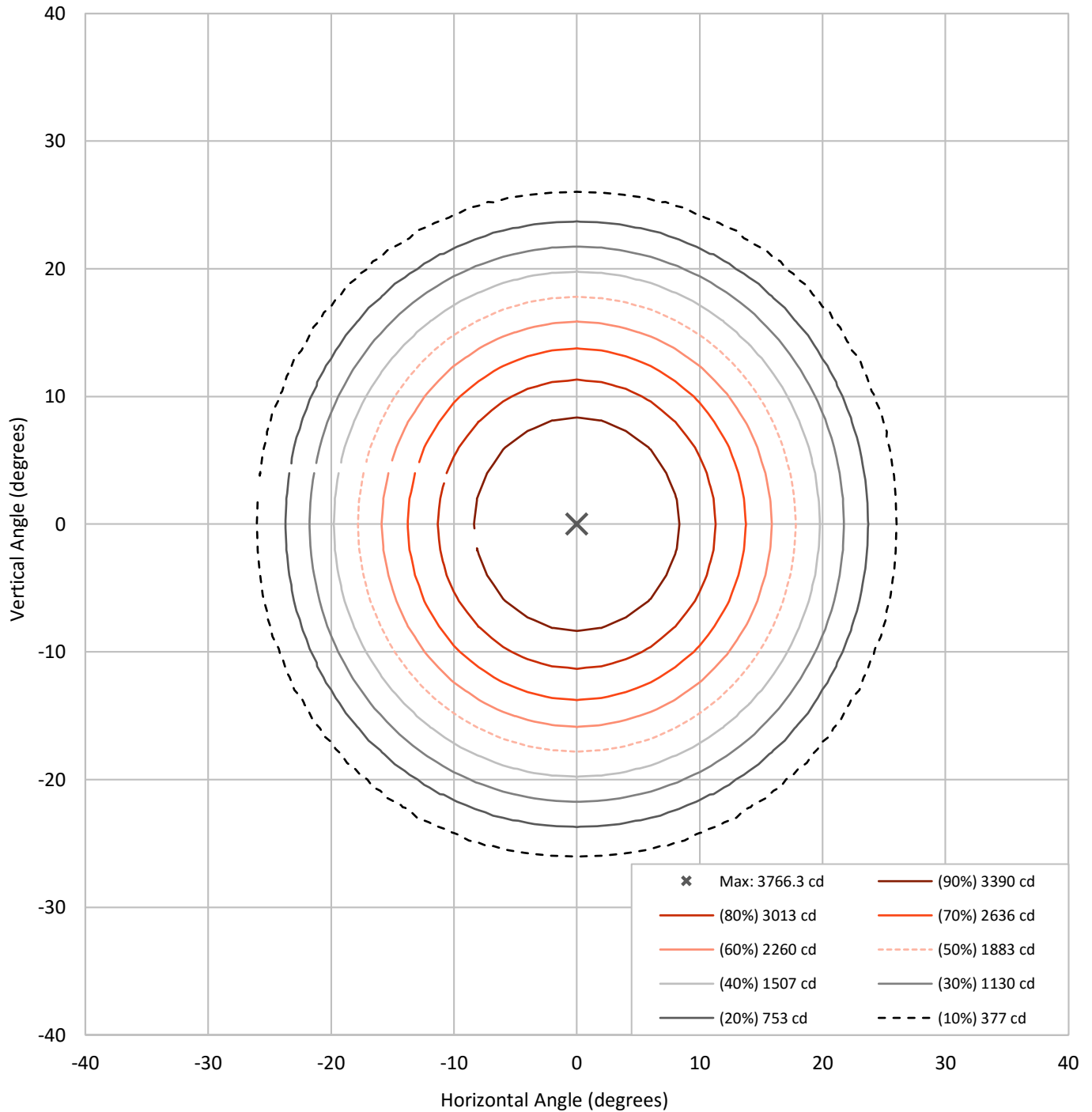
Test Method: LM-79-08
Report Number: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1290.8 lumens	Max Intensity:	3766.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	64.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.6°H x 35.6°V	Field Angle (10%):	52.1°H x 52.1°V
Beam Lumens:	860.8 lumens	Field Lumens:	1211.6 lumens
Beam Efficiency:	66.7%	Field Efficiency:	93.9%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

Iso-Candela Plot





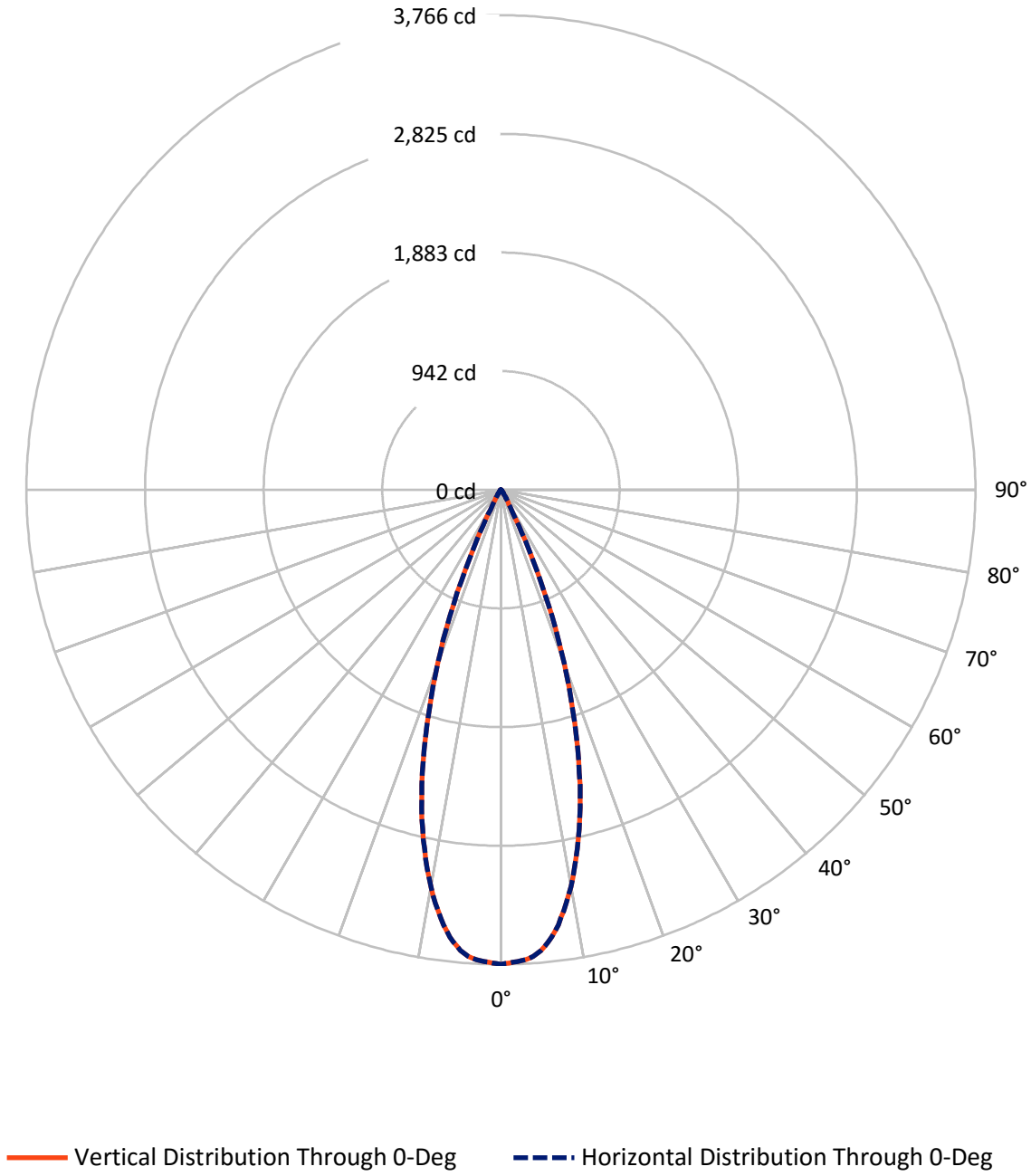
REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	
40		0.0	0.0	0.1	0.2	0.3	0.8	1.3	1.3	0.8	0.3	0.2	0.1	0.0		0.0
30	0.0	0.0	0.1	0.1	0.3	1.3	6.2	16.2	16.2	6.2	1.3	0.3	0.1	0.1	0.0	
20		0.0	0.1	0.2	0.6	5.9	36.2	66.8	66.8	36.2	5.9	0.6	0.2	0.1		0.0
10	0.0	0.0	0.1	0.2	1.1	15.0	64.9	103.2	103.2	64.9	15.0	1.1	0.2	0.1	0.0	
0		0.0	0.1	0.2	1.1	15.0	64.9	103.2	103.2	64.9	15.0	1.1	0.2	0.1		0.0
-10	0.0	0.0	0.1	0.2	1.1	15.0	64.9	103.2	103.2	64.9	15.0	1.1	0.2	0.1	0.0	
-20		0.0	0.1	0.2	0.6	5.9	36.2	66.8	66.8	36.2	5.9	0.6	0.2	0.1		0.0
-30	0.0	0.0	0.1	0.1	0.3	1.3	6.2	16.2	16.2	6.2	1.3	0.3	0.1	0.1	0.0	
-40		0.0	0.0	0.1	0.2	0.3	0.8	1.3	1.3	0.8	0.3	0.2	0.1	0.0		0.0
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0		0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

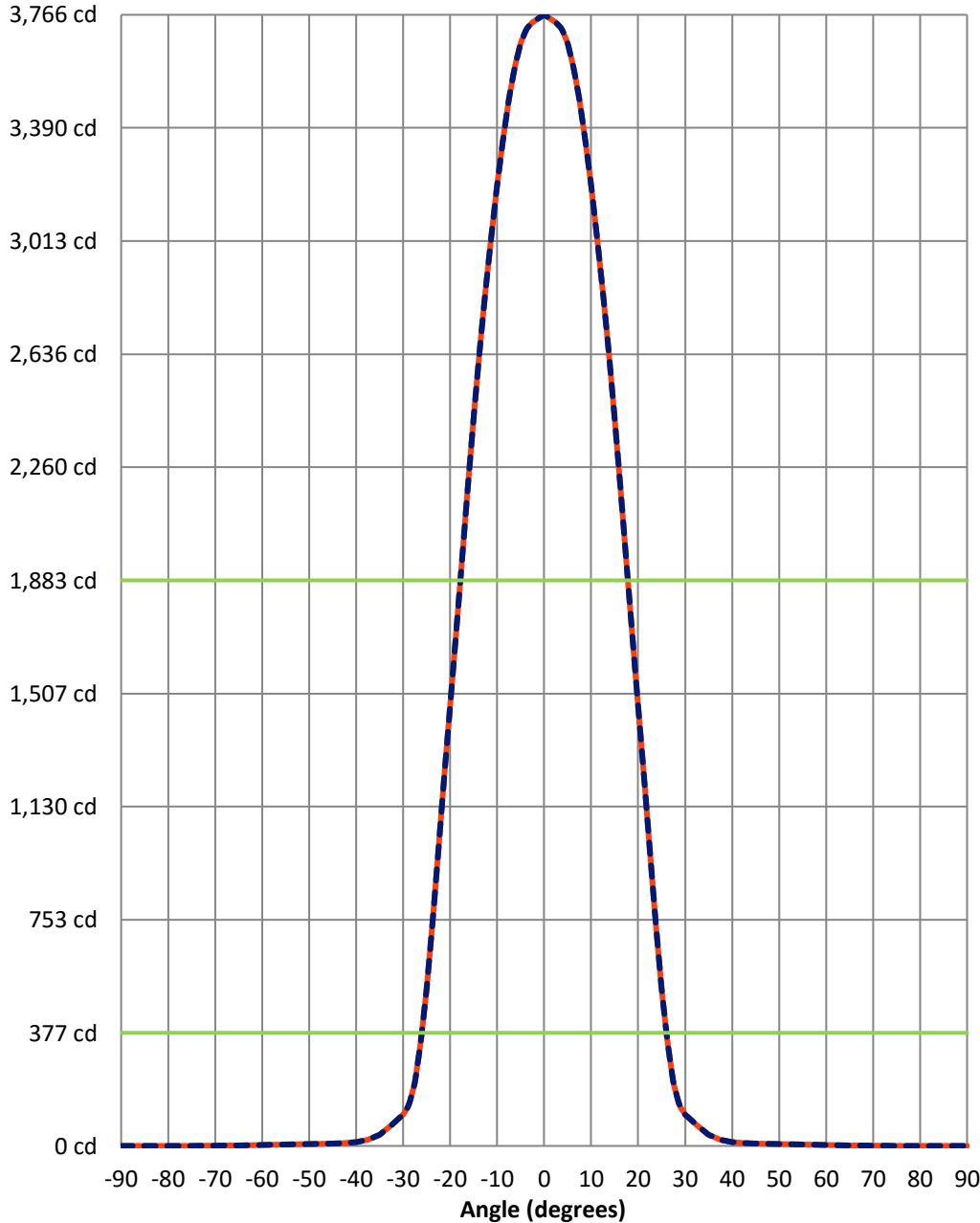
REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 35.6°
 V Angle: 35.6°
 Lumens: 860.8
 Efficiency: 66.7%

Field:
 H Angle: 52.1°
 V Angle: 52.1°
 Lumens: 1211.6
 Efficiency: 93.9%

Spill:
 Lumens: 79.3
 Efficiency: 6.1%

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	4	5	5	5	5	6	6	6	6	7	7
32.5°	4	5	5	5	6	6	6	6	7	7	7
31.25°	5	5	5	6	6	6	6	7	7	7	7
30°	5	5	5	6	6	6	7	7	7	7	8
28.75°	5	5	6	6	6	6	7	7	7	8	8
27.5°	5	5	6	6	6	7	7	7	8	8	8
26.25°	5	6	6	6	6	7	7	7	8	8	9
25°	5	6	6	6	7	7	7	8	8	9	9
23.75°	5	6	6	6	7	7	7	8	8	9	10
22.5°	6	6	6	7	7	7	8	8	9	9	10
21.25°	6	6	6	7	7	7	8	8	9	10	11
20°	6	6	6	7	7	8	8	9	9	10	12
18.75°	6	6	7	7	7	8	8	9	10	11	12
17.5°	6	6	7	7	7	8	8	9	10	12	14
16.25°	6	6	7	7	8	8	9	9	11	12	15
15°	6	7	7	7	8	8	9	10	11	13	16
13.75°	6	7	7	7	8	8	9	10	12	14	18
12.5°	6	7	7	7	8	9	9	11	12	15	19
11.25°	6	7	7	8	8	9	10	11	13	16	20
10°	6	7	7	8	8	9	10	11	13	17	21
8.75°	7	7	7	8	8	9	10	12	14	18	23
7.5°	7	7	7	8	8	9	10	12	15	19	25
6.25°	7	7	7	8	8	9	11	12	15	19	26
5°	7	7	7	8	9	9	11	12	16	20	27
3.75°	7	7	7	8	9	9	11	13	16	20	28
2.5°	7	7	7	8	9	9	11	13	16	20	28
1.25°	7	7	7	8	9	9	11	13	17	21	29
0°	7	7	8	8	9	10	11	13	17	21	29
-1.25°	7	7	7	8	9	9	11	13	17	21	29
-2.5°	7	7	7	8	9	9	11	13	16	20	28
-3.75°	7	7	7	8	9	9	11	13	16	20	28
-5°	7	7	7	8	9	9	11	12	16	20	27
-6.25°	7	7	7	8	8	9	11	12	15	19	26
-7.5°	7	7	7	8	8	9	10	12	15	19	25
-8.75°	7	7	7	8	8	9	10	12	14	18	23
-10°	6	7	7	8	8	9	10	11	13	17	21
-11.25°	6	7	7	8	8	9	10	11	13	16	20
-12.5°	6	7	7	7	8	9	9	11	12	15	19
-13.75°	6	7	7	7	8	8	9	10	12	14	18
-15°	6	7	7	7	8	8	9	10	11	13	16
-16.25°	6	6	7	7	8	8	9	9	11	12	15
-17.5°	6	6	7	7	7	8	8	9	10	12	14
-18.75°	6	6	7	7	7	8	8	9	10	11	12
-20°	6	6	6	7	7	8	8	9	9	10	12
-21.25°	6	6	6	7	7	7	8	8	9	10	11



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	6	6	6	7	7	7	8	8	9	9	10
-23.75°	5	6	6	6	7	7	7	8	8	9	10
-25°	5	6	6	6	7	7	7	8	8	9	9
-26.25°	5	6	6	6	6	7	7	7	8	8	9
-27.5°	5	5	6	6	6	7	7	7	8	8	8
-28.75°	5	5	6	6	6	6	7	7	7	8	8
-30°	5	5	5	6	6	6	7	7	7	7	8
-31.25°	5	5	5	6	6	6	6	7	7	7	7
-32.5°	4	5	5	5	6	6	6	6	7	7	7
-33.75°	4	5	5	5	5	6	6	6	6	7	7
-35°	4	4	5	5	5	5	6	6	6	6	7
-36.25°	4	4	4	5	5	5	6	6	6	6	6
-37.5°	4	4	4	5	5	5	5	6	6	6	6
-38.75°	4	4	4	4	5	5	5	5	6	6	6
-40°	3	4	4	4	4	5	5	5	5	6	6
-41.25°	3	3	4	4	4	4	5	5	5	5	6
-42.5°	3	3	3	4	4	4	4	5	5	5	5
-43.75°	3	3	3	3	4	4	4	4	5	5	5
-45°	2	3	3	3	3	4	4	4	4	5	5
-46.25°	2	3	3	3	3	3	4	4	4	4	4
-47.5°	2	2	3	3	3	3	3	4	4	4	4
-48.75°	2	2	2	2	3	3	3	3	4	4	4
-50°	2	2	2	2	2	3	3	3	3	3	4
-51.25°	2	2	2	2	2	2	3	3	3	3	3
-52.5°	2	2	2	2	2	2	2	2	3	3	3
-53.75°	2	2	2	2	2	2	2	2	2	3	3
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	1	1	2	2	2	2	2	2	2	2	2
-57.5°	1	1	1	2	2	2	2	2	2	2	2
-58.75°	1	1	1	1	1	2	2	2	2	2	2
-60°	1	1	1	1	1	1	1	2	2	2	2
-61.25°	1	1	1	1	1	1	1	1	1	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	1	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	0	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	1	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	2	2	2	2
63.75°	1	1	1	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	3	3	3
57.5°	2	2	2	2	2	3	3	3	3	3	3
56.25°	2	2	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	4	4	4	4
53.75°	3	3	3	3	3	4	4	4	4	4	4
52.5°	3	3	3	4	4	4	4	4	4	4	5
51.25°	3	4	4	4	4	4	4	5	5	5	5
50°	4	4	4	4	4	5	5	5	5	5	5
48.75°	4	4	4	5	5	5	5	5	5	5	6
47.5°	4	5	5	5	5	5	5	6	6	6	6
46.25°	5	5	5	5	5	6	6	6	6	6	6
45°	5	5	5	6	6	6	6	6	6	6	7
43.75°	5	5	6	6	6	6	6	6	7	7	7
42.5°	5	6	6	6	6	6	7	7	7	7	7
41.25°	6	6	6	6	7	7	7	7	7	7	8
40°	6	6	6	7	7	7	7	7	8	8	8
38.75°	6	6	7	7	7	7	8	8	8	8	9
37.5°	6	7	7	7	7	8	8	8	9	9	9
36.25°	7	7	7	7	8	8	8	9	9	10	10
35°	7	7	7	8	8	8	9	9	10	11	12



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	7	7	8	8	9	9	10	10	11	12	13
32.5°	7	8	8	9	9	10	11	12	13	14	16
31.25°	8	8	9	9	10	11	12	13	15	17	20
30°	8	9	9	10	11	12	13	16	18	20	25
28.75°	8	9	10	11	12	13	16	19	21	26	31
27.5°	9	10	11	12	13	16	19	22	27	32	38
26.25°	9	10	12	13	16	19	22	28	33	40	49
25°	10	11	13	15	18	21	27	33	40	51	61
23.75°	11	12	14	17	20	26	32	40	51	61	72
22.5°	12	13	16	20	25	31	38	49	61	72	85
21.25°	12	15	18	23	29	36	47	59	71	84	97
20°	14	17	20	27	34	43	56	68	82	95	110
18.75°	15	19	24	31	38	51	64	78	92	106	126
17.5°	17	20	28	35	46	59	73	88	102	121	159
16.25°	19	24	31	39	53	67	82	97	114	147	212
15°	20	27	34	46	60	74	90	105	129	181	276
13.75°	22	30	37	52	66	82	97	117	155	234	353
12.5°	25	32	43	57	72	88	105	130	189	295	437
11.25°	27	35	48	62	78	95	114	151	232	358	520
10°	29	37	52	67	84	100	123	172	279	426	606
8.75°	31	41	56	71	88	106	136	206	328	490	685
7.5°	33	44	59	75	93	112	150	236	371	551	760
6.25°	34	47	62	79	96	118	162	263	416	607	826
5°	35	49	65	82	99	122	176	293	455	653	880
3.75°	36	51	67	84	102	126	192	315	484	690	925
2.5°	37	52	68	86	103	132	203	332	506	719	958
1.25°	37	53	69	87	104	135	210	342	519	736	977
0°	37	53	69	87	105	136	212	345	523	742	984
-1.25°	37	53	69	87	104	135	210	342	519	736	977
-2.5°	37	52	68	86	103	132	203	332	506	719	958
-3.75°	36	51	67	84	102	126	192	315	484	690	925
-5°	35	49	65	82	99	122	176	293	455	653	880
-6.25°	34	47	62	79	96	118	162	263	416	607	826
-7.5°	33	44	59	75	93	112	150	236	371	551	760
-8.75°	31	41	56	71	88	106	136	206	328	490	685
-10°	29	37	52	67	84	100	123	172	279	426	606
-11.25°	27	35	48	62	78	95	114	151	232	358	520
-12.5°	25	32	43	57	72	88	105	130	189	295	437
-13.75°	22	30	37	52	66	82	97	117	155	234	353
-15°	20	27	34	46	60	74	90	105	129	181	276
-16.25°	19	24	31	39	53	67	82	97	114	147	212
-17.5°	17	20	28	35	46	59	73	88	102	121	159
-18.75°	15	19	24	31	38	51	64	78	92	106	126
-20°	14	17	20	27	34	43	56	68	82	95	110
-21.25°	12	15	18	23	29	36	47	59	71	84	97



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	12	13	16	20	25	31	38	49	61	72	85
-23.75°	11	12	14	17	20	26	32	40	51	61	72
-25°	10	11	13	15	18	21	27	33	40	51	61
-26.25°	9	10	12	13	16	19	22	28	33	40	49
-27.5°	9	10	11	12	13	16	19	22	27	32	38
-28.75°	8	9	10	11	12	13	16	19	21	26	31
-30°	8	9	9	10	11	12	13	16	18	20	25
-31.25°	8	8	9	9	10	11	12	13	15	17	20
-32.5°	7	8	8	9	9	10	11	12	13	14	16
-33.75°	7	7	8	8	9	9	10	10	11	12	13
-35°	7	7	7	8	8	8	9	9	10	11	12
-36.25°	7	7	7	7	8	8	8	9	9	10	10
-37.5°	6	7	7	7	7	8	8	8	9	9	9
-38.75°	6	6	7	7	7	7	8	8	8	8	9
-40°	6	6	6	7	7	7	7	7	8	8	8
-41.25°	6	6	6	6	7	7	7	7	7	7	8
-42.5°	5	6	6	6	6	6	7	7	7	7	7
-43.75°	5	5	6	6	6	6	6	6	7	7	7
-45°	5	5	5	6	6	6	6	6	6	6	7
-46.25°	5	5	5	5	5	6	6	6	6	6	6
-47.5°	4	5	5	5	5	5	5	6	6	6	6
-48.75°	4	4	4	5	5	5	5	5	5	5	6
-50°	4	4	4	4	4	5	5	5	5	5	5
-51.25°	3	4	4	4	4	4	4	5	5	5	5
-52.5°	3	3	3	4	4	4	4	4	4	4	5
-53.75°	3	3	3	3	3	4	4	4	4	4	4
-55°	3	3	3	3	3	3	3	4	4	4	4
-56.25°	2	2	3	3	3	3	3	3	3	3	3
-57.5°	2	2	2	2	2	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	1	1	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	2
66.25°	1	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	3	3	3	3	3
60°	2	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	5	5	5
53.75°	4	4	4	5	5	5	5	5	5	5	5
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	6	6	6	6	6	6
50°	5	5	6	6	6	6	6	6	6	6	6
48.75°	6	6	6	6	6	6	6	6	6	6	7
47.5°	6	6	6	6	6	7	7	7	7	7	7
46.25°	6	6	7	7	7	7	7	7	7	7	7
45°	7	7	7	7	7	7	7	7	8	8	8
43.75°	7	7	7	7	8	8	8	8	8	8	8
42.5°	7	8	8	8	8	8	8	9	9	9	9
41.25°	8	8	8	8	9	9	9	9	10	10	10
40°	8	9	9	9	9	10	10	11	11	11	12
38.75°	9	9	10	10	11	11	12	12	13	13	14
37.5°	10	10	11	12	12	13	14	15	16	17	18
36.25°	11	12	12	14	15	16	18	19	20	21	23
35°	12	14	15	17	19	20	22	25	27	29	31



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	15	17	19	20	24	27	30	32	35	37	41
32.5°	18	20	24	28	31	34	37	43	48	52	56
31.25°	23	27	31	35	39	46	52	57	62	67	71
30°	29	34	38	46	53	60	66	72	78	84	88
28.75°	36	43	51	59	67	74	82	88	95	100	106
27.5°	47	56	64	73	82	90	97	105	114	123	136
26.25°	59	68	78	88	97	105	117	130	151	172	206
25°	71	82	92	102	114	129	155	189	232	279	328
23.75°	84	95	106	121	147	181	234	295	358	426	490
22.5°	97	110	126	159	212	276	353	437	520	606	685
21.25°	111	131	167	232	313	403	503	608	709	811	903
20°	131	170	242	335	441	555	676	799	917	1030	1131
18.75°	167	242	342	459	589	725	864	1002	1131	1247	1349
17.5°	232	335	459	600	750	905	1060	1203	1334	1450	1558
16.25°	313	441	589	750	919	1088	1247	1391	1526	1652	1772
15°	403	555	725	905	1088	1262	1420	1572	1718	1857	1980
13.75°	503	676	864	1060	1247	1420	1587	1752	1908	2051	2190
12.5°	608	799	1002	1203	1391	1572	1752	1925	2089	2249	2384
11.25°	709	917	1131	1334	1526	1718	1908	2089	2267	2422	2564
10°	811	1030	1247	1450	1652	1857	2051	2249	2422	2584	2725
8.75°	903	1131	1349	1558	1772	1980	2190	2384	2564	2725	2866
7.5°	989	1220	1438	1655	1878	2094	2309	2505	2687	2847	2990
6.25°	1062	1295	1516	1743	1968	2197	2410	2611	2791	2951	3098
5°	1122	1355	1582	1815	2043	2279	2493	2694	2874	3039	3189
3.75°	1169	1403	1634	1872	2107	2342	2560	2761	2940	3107	3259
2.5°	1203	1437	1672	1913	2153	2387	2608	2807	2988	3157	3310
1.25°	1224	1458	1695	1937	2182	2415	2635	2834	3017	3188	3341
0°	1231	1465	1703	1945	2191	2424	2644	2843	3027	3199	3350
-1.25°	1224	1458	1695	1937	2182	2415	2635	2834	3017	3188	3341
-2.5°	1203	1437	1672	1913	2153	2387	2608	2807	2988	3157	3310
-3.75°	1169	1403	1634	1872	2107	2342	2560	2761	2940	3107	3259
-5°	1122	1355	1582	1815	2043	2279	2493	2694	2874	3039	3189
-6.25°	1062	1295	1516	1743	1968	2197	2410	2611	2791	2951	3098
-7.5°	989	1220	1438	1655	1878	2094	2309	2505	2687	2847	2990
-8.75°	903	1131	1349	1558	1772	1980	2190	2384	2564	2725	2866
-10°	811	1030	1247	1450	1652	1857	2051	2249	2422	2584	2725
-11.25°	709	917	1131	1334	1526	1718	1908	2089	2267	2422	2564
-12.5°	608	799	1002	1203	1391	1572	1752	1925	2089	2249	2384
-13.75°	503	676	864	1060	1247	1420	1587	1752	1908	2051	2190
-15°	403	555	725	905	1088	1262	1420	1572	1718	1857	1980
-16.25°	313	441	589	750	919	1088	1247	1391	1526	1652	1772
-17.5°	232	335	459	600	750	905	1060	1203	1334	1450	1558
-18.75°	167	242	342	459	589	725	864	1002	1131	1247	1349
-20°	131	170	242	335	441	555	676	799	917	1030	1131
-21.25°	111	131	167	232	313	403	503	608	709	811	903



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	97	110	126	159	212	276	353	437	520	606	685
-23.75°	84	95	106	121	147	181	234	295	358	426	490
-25°	71	82	92	102	114	129	155	189	232	279	328
-26.25°	59	68	78	88	97	105	117	130	151	172	206
-27.5°	47	56	64	73	82	90	97	105	114	123	136
-28.75°	36	43	51	59	67	74	82	88	95	100	106
-30°	29	34	38	46	53	60	66	72	78	84	88
-31.25°	23	27	31	35	39	46	52	57	62	67	71
-32.5°	18	20	24	28	31	34	37	43	48	52	56
-33.75°	15	17	19	20	24	27	30	32	35	37	41
-35°	12	14	15	17	19	20	22	25	27	29	31
-36.25°	11	12	12	14	15	16	18	19	20	21	23
-37.5°	10	10	11	12	12	13	14	15	16	17	18
-38.75°	9	9	10	10	11	11	12	12	13	13	14
-40°	8	9	9	9	9	10	10	11	11	11	12
-41.25°	8	8	8	8	9	9	9	9	10	10	10
-42.5°	7	8	8	8	8	8	8	9	9	9	9
-43.75°	7	7	7	7	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	7	7	8	8	8
-46.25°	6	6	7	7	7	7	7	7	7	7	7
-47.5°	6	6	6	6	6	7	7	7	7	7	7
-48.75°	6	6	6	6	6	6	6	6	6	6	7
-50°	5	5	6	6	6	6	6	6	6	6	6
-51.25°	5	5	5	5	5	6	6	6	6	6	6
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	4	4	4	5	5	5	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	5	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	3	3	3	3	4	4	4	4	4	4	4
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	2	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	5	5	5	5	5	5	5
53.75°	5	5	5	5	5	5	5	5	5	5	5
52.5°	5	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	7	7	7	7	7	7	7	7	7	7	7
47.5°	7	7	7	7	7	7	7	7	7	7	7
46.25°	7	7	7	7	7	7	8	7	7	7	7
45°	8	8	8	8	8	8	8	8	8	8	8
43.75°	8	8	9	9	9	9	9	9	9	9	9
42.5°	9	9	9	9	9	9	10	9	9	9	9
41.25°	10	11	11	11	11	11	11	11	11	11	11
40°	12	12	12	13	13	13	13	13	13	13	12
38.75°	15	15	16	16	16	17	17	17	16	16	16
37.5°	19	19	20	20	20	21	21	21	20	20	20
36.25°	25	26	27	28	28	29	29	29	28	28	27
35°	33	34	35	36	37	37	37	37	37	36	35



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	44	47	49	51	52	53	53	53	52	51	49
32.5°	59	62	65	67	68	69	69	69	68	67	65
31.25°	75	79	82	84	86	87	87	87	86	84	82
30°	93	96	99	102	103	104	105	104	103	102	99
28.75°	112	118	122	126	132	135	136	135	132	126	122
27.5°	150	162	176	192	203	210	212	210	203	192	176
26.25°	236	263	293	315	332	342	345	342	332	315	293
25°	371	416	455	484	506	519	523	519	506	484	455
23.75°	551	607	653	690	719	736	742	736	719	690	653
22.5°	760	826	880	925	958	977	984	977	958	925	880
21.25°	989	1062	1122	1169	1203	1224	1231	1224	1203	1169	1122
20°	1220	1295	1355	1403	1437	1458	1465	1458	1437	1403	1355
18.75°	1438	1516	1582	1634	1672	1695	1703	1695	1672	1634	1582
17.5°	1655	1743	1815	1872	1913	1937	1945	1937	1913	1872	1815
16.25°	1878	1968	2043	2107	2153	2182	2191	2182	2153	2107	2043
15°	2094	2197	2279	2342	2387	2415	2424	2415	2387	2342	2279
13.75°	2309	2410	2493	2560	2608	2635	2644	2635	2608	2560	2493
12.5°	2505	2611	2694	2761	2807	2834	2843	2834	2807	2761	2694
11.25°	2687	2791	2874	2940	2988	3017	3027	3017	2988	2940	2874
10°	2847	2951	3039	3107	3157	3188	3199	3188	3157	3107	3039
8.75°	2990	3098	3189	3259	3310	3341	3350	3341	3310	3259	3189
7.5°	3118	3229	3322	3392	3444	3474	3484	3474	3444	3392	3322
6.25°	3229	3341	3435	3506	3555	3583	3592	3583	3555	3506	3435
5°	3322	3435	3527	3592	3636	3662	3671	3662	3636	3592	3527
3.75°	3392	3506	3592	3653	3693	3716	3720	3716	3693	3653	3592
2.5°	3444	3555	3636	3693	3724	3738	3741	3738	3724	3693	3636
1.25°	3474	3583	3662	3716	3738	3748	3754	3748	3738	3716	3662
0°	3484	3592	3671	3720	3741	3754	3766	3754	3741	3720	3671
-1.25°	3474	3583	3662	3716	3738	3748	3754	3748	3738	3716	3662
-2.5°	3444	3555	3636	3693	3724	3738	3741	3738	3724	3693	3636
-3.75°	3392	3506	3592	3653	3693	3716	3720	3716	3693	3653	3592
-5°	3322	3435	3527	3592	3636	3662	3671	3662	3636	3592	3527
-6.25°	3229	3341	3435	3506	3555	3583	3592	3583	3555	3506	3435
-7.5°	3118	3229	3322	3392	3444	3474	3484	3474	3444	3392	3322
-8.75°	2990	3098	3189	3259	3310	3341	3350	3341	3310	3259	3189
-10°	2847	2951	3039	3107	3157	3188	3199	3188	3157	3107	3039
-11.25°	2687	2791	2874	2940	2988	3017	3027	3017	2988	2940	2874
-12.5°	2505	2611	2694	2761	2807	2834	2843	2834	2807	2761	2694
-13.75°	2309	2410	2493	2560	2608	2635	2644	2635	2608	2560	2493
-15°	2094	2197	2279	2342	2387	2415	2424	2415	2387	2342	2279
-16.25°	1878	1968	2043	2107	2153	2182	2191	2182	2153	2107	2043
-17.5°	1655	1743	1815	1872	1913	1937	1945	1937	1913	1872	1815
-18.75°	1438	1516	1582	1634	1672	1695	1703	1695	1672	1634	1582
-20°	1220	1295	1355	1403	1437	1458	1465	1458	1437	1403	1355
-21.25°	989	1062	1122	1169	1203	1224	1231	1224	1203	1169	1122



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	760	826	880	925	958	977	984	977	958	925	880
-23.75°	551	607	653	690	719	736	742	736	719	690	653
-25°	371	416	455	484	506	519	523	519	506	484	455
-26.25°	236	263	293	315	332	342	345	342	332	315	293
-27.5°	150	162	176	192	203	210	212	210	203	192	176
-28.75°	112	118	122	126	132	135	136	135	132	126	122
-30°	93	96	99	102	103	104	105	104	103	102	99
-31.25°	75	79	82	84	86	87	87	87	86	84	82
-32.5°	59	62	65	67	68	69	69	69	68	67	65
-33.75°	44	47	49	51	52	53	53	53	52	51	49
-35°	33	34	35	36	37	37	37	37	37	36	35
-36.25°	25	26	27	28	28	29	29	29	28	28	27
-37.5°	19	19	20	20	20	21	21	21	20	20	20
-38.75°	15	15	16	16	16	17	17	17	16	16	16
-40°	12	12	12	13	13	13	13	13	13	13	12
-41.25°	10	11	11	11	11	11	11	11	11	11	11
-42.5°	9	9	9	9	9	9	10	9	9	9	9
-43.75°	8	8	9	9	9	9	9	9	9	9	9
-45°	8	8	8	8	8	8	8	8	8	8	8
-46.25°	7	7	7	7	7	7	8	7	7	7	7
-47.5°	7	7	7	7	7	7	7	7	7	7	7
-48.75°	7	7	7	7	7	7	7	7	7	7	7
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	5	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	5	5	5	5	5	5
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	0
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	3	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	4	4	3	3	3	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	3	3
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	5	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	5	5	5	4
52.5°	6	5	5	5	5	5	5	5	5	5	5
51.25°	6	6	6	6	6	6	6	6	5	5	5
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	7	7	7	6	6	6	6	6	6	6	6
47.5°	7	7	7	7	7	7	7	7	6	6	6
46.25°	7	7	7	7	7	7	7	7	7	7	7
45°	8	8	8	8	8	7	7	7	7	7	7
43.75°	8	8	8	8	8	8	8	8	8	7	7
42.5°	9	9	9	9	9	9	8	8	8	8	8
41.25°	11	10	10	10	10	9	9	9	9	8	8
40°	12	12	12	11	11	11	10	10	9	9	9
38.75°	15	15	14	13	13	12	12	11	11	10	10
37.5°	19	19	18	17	16	15	14	13	12	12	11
36.25°	26	25	23	21	20	19	18	16	15	14	12
35°	34	33	31	29	27	25	22	20	19	17	15



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	47	44	41	37	35	32	30	27	24	20	19
32.5°	62	59	56	52	48	43	37	34	31	28	24
31.25°	79	75	71	67	62	57	52	46	39	35	31
30°	96	93	88	84	78	72	66	60	53	46	38
28.75°	118	112	106	100	95	88	82	74	67	59	51
27.5°	162	150	136	123	114	105	97	90	82	73	64
26.25°	263	236	206	172	151	130	117	105	97	88	78
25°	416	371	328	279	232	189	155	129	114	102	92
23.75°	607	551	490	426	358	295	234	181	147	121	106
22.5°	826	760	685	606	520	437	353	276	212	159	126
21.25°	1062	989	903	811	709	608	503	403	313	232	167
20°	1295	1220	1131	1030	917	799	676	555	441	335	242
18.75°	1516	1438	1349	1247	1131	1002	864	725	589	459	342
17.5°	1743	1655	1558	1450	1334	1203	1060	905	750	600	459
16.25°	1968	1878	1772	1652	1526	1391	1247	1088	919	750	589
15°	2197	2094	1980	1857	1718	1572	1420	1262	1088	905	725
13.75°	2410	2309	2190	2051	1908	1752	1587	1420	1247	1060	864
12.5°	2611	2505	2384	2249	2089	1925	1752	1572	1391	1203	1002
11.25°	2791	2687	2564	2422	2267	2089	1908	1718	1526	1334	1131
10°	2951	2847	2725	2584	2422	2249	2051	1857	1652	1450	1247
8.75°	3098	2990	2866	2725	2564	2384	2190	1980	1772	1558	1349
7.5°	3229	3118	2990	2847	2687	2505	2309	2094	1878	1655	1438
6.25°	3341	3229	3098	2951	2791	2611	2410	2197	1968	1743	1516
5°	3435	3322	3189	3039	2874	2694	2493	2279	2043	1815	1582
3.75°	3506	3392	3259	3107	2940	2761	2560	2342	2107	1872	1634
2.5°	3555	3444	3310	3157	2988	2807	2608	2387	2153	1913	1672
1.25°	3583	3474	3341	3188	3017	2834	2635	2415	2182	1937	1695
0°	3592	3484	3350	3199	3027	2843	2644	2424	2191	1945	1703
-1.25°	3583	3474	3341	3188	3017	2834	2635	2415	2182	1937	1695
-2.5°	3555	3444	3310	3157	2988	2807	2608	2387	2153	1913	1672
-3.75°	3506	3392	3259	3107	2940	2761	2560	2342	2107	1872	1634
-5°	3435	3322	3189	3039	2874	2694	2493	2279	2043	1815	1582
-6.25°	3341	3229	3098	2951	2791	2611	2410	2197	1968	1743	1516
-7.5°	3229	3118	2990	2847	2687	2505	2309	2094	1878	1655	1438
-8.75°	3098	2990	2866	2725	2564	2384	2190	1980	1772	1558	1349
-10°	2951	2847	2725	2584	2422	2249	2051	1857	1652	1450	1247
-11.25°	2791	2687	2564	2422	2267	2089	1908	1718	1526	1334	1131
-12.5°	2611	2505	2384	2249	2089	1925	1752	1572	1391	1203	1002
-13.75°	2410	2309	2190	2051	1908	1752	1587	1420	1247	1060	864
-15°	2197	2094	1980	1857	1718	1572	1420	1262	1088	905	725
-16.25°	1968	1878	1772	1652	1526	1391	1247	1088	919	750	589
-17.5°	1743	1655	1558	1450	1334	1203	1060	905	750	600	459
-18.75°	1516	1438	1349	1247	1131	1002	864	725	589	459	342
-20°	1295	1220	1131	1030	917	799	676	555	441	335	242
-21.25°	1062	989	903	811	709	608	503	403	313	232	167



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	826	760	685	606	520	437	353	276	212	159	126
-23.75°	607	551	490	426	358	295	234	181	147	121	106
-25°	416	371	328	279	232	189	155	129	114	102	92
-26.25°	263	236	206	172	151	130	117	105	97	88	78
-27.5°	162	150	136	123	114	105	97	90	82	73	64
-28.75°	118	112	106	100	95	88	82	74	67	59	51
-30°	96	93	88	84	78	72	66	60	53	46	38
-31.25°	79	75	71	67	62	57	52	46	39	35	31
-32.5°	62	59	56	52	48	43	37	34	31	28	24
-33.75°	47	44	41	37	35	32	30	27	24	20	19
-35°	34	33	31	29	27	25	22	20	19	17	15
-36.25°	26	25	23	21	20	19	18	16	15	14	12
-37.5°	19	19	18	17	16	15	14	13	12	12	11
-38.75°	15	15	14	13	13	12	12	11	11	10	10
-40°	12	12	12	11	11	11	10	10	9	9	9
-41.25°	11	10	10	10	10	9	9	9	9	8	8
-42.5°	9	9	9	9	9	9	8	8	8	8	8
-43.75°	8	8	8	8	8	8	8	8	8	7	7
-45°	8	8	8	8	8	7	7	7	7	7	7
-46.25°	7	7	7	7	7	7	7	7	7	7	7
-47.5°	7	7	7	7	7	7	7	7	6	6	6
-48.75°	7	7	7	6	6	6	6	6	6	6	6
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	5	5	5
-52.5°	6	5	5	5	5	5	5	5	5	5	5
-53.75°	5	5	5	5	5	5	5	5	5	5	4
-55°	5	5	5	5	5	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	3	3
-58.75°	4	4	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	1	1	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	2	2	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	3	2	2	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	2	2	2
56.25°	4	4	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	3	3	3	3	3
53.75°	4	4	4	4	4	4	4	4	3	3	3
52.5°	5	5	5	4	4	4	4	4	4	4	3
51.25°	5	5	5	5	5	5	4	4	4	4	4
50°	5	5	5	5	5	5	5	5	4	4	4
48.75°	6	6	6	5	5	5	5	5	5	5	4
47.5°	6	6	6	6	6	6	5	5	5	5	5
46.25°	6	6	6	6	6	6	6	6	5	5	5
45°	7	7	7	6	6	6	6	6	6	6	5
43.75°	7	7	7	7	7	6	6	6	6	6	6
42.5°	8	7	7	7	7	7	7	6	6	6	6
41.25°	8	8	8	7	7	7	7	7	7	6	6
40°	9	8	8	8	8	7	7	7	7	7	6
38.75°	9	9	9	8	8	8	8	7	7	7	7
37.5°	10	10	9	9	9	8	8	8	7	7	7
36.25°	12	11	10	10	9	9	8	8	8	7	7
35°	14	12	12	11	10	9	9	8	8	8	7



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	17	15	13	12	11	10	10	9	9	8	8
32.5°	20	18	16	14	13	12	11	10	9	9	8
31.25°	27	23	20	17	15	13	12	11	10	9	9
30°	34	29	25	20	18	16	13	12	11	10	9
28.75°	43	36	31	26	21	19	16	13	12	11	10
27.5°	56	47	38	32	27	22	19	16	13	12	11
26.25°	68	59	49	40	33	28	22	19	16	13	12
25°	82	71	61	51	40	33	27	21	18	15	13
23.75°	95	84	72	61	51	40	32	26	20	17	14
22.5°	110	97	85	72	61	49	38	31	25	20	16
21.25°	131	111	97	84	71	59	47	36	29	23	18
20°	170	131	110	95	82	68	56	43	34	27	20
18.75°	242	167	126	106	92	78	64	51	38	31	24
17.5°	335	232	159	121	102	88	73	59	46	35	28
16.25°	441	313	212	147	114	97	82	67	53	39	31
15°	555	403	276	181	129	105	90	74	60	46	34
13.75°	676	503	353	234	155	117	97	82	66	52	37
12.5°	799	608	437	295	189	130	105	88	72	57	43
11.25°	917	709	520	358	232	151	114	95	78	62	48
10°	1030	811	606	426	279	172	123	100	84	67	52
8.75°	1131	903	685	490	328	206	136	106	88	71	56
7.5°	1220	989	760	551	371	236	150	112	93	75	59
6.25°	1295	1062	826	607	416	263	162	118	96	79	62
5°	1355	1122	880	653	455	293	176	122	99	82	65
3.75°	1403	1169	925	690	484	315	192	126	102	84	67
2.5°	1437	1203	958	719	506	332	203	132	103	86	68
1.25°	1458	1224	977	736	519	342	210	135	104	87	69
0°	1465	1231	984	742	523	345	212	136	105	87	69
-1.25°	1458	1224	977	736	519	342	210	135	104	87	69
-2.5°	1437	1203	958	719	506	332	203	132	103	86	68
-3.75°	1403	1169	925	690	484	315	192	126	102	84	67
-5°	1355	1122	880	653	455	293	176	122	99	82	65
-6.25°	1295	1062	826	607	416	263	162	118	96	79	62
-7.5°	1220	989	760	551	371	236	150	112	93	75	59
-8.75°	1131	903	685	490	328	206	136	106	88	71	56
-10°	1030	811	606	426	279	172	123	100	84	67	52
-11.25°	917	709	520	358	232	151	114	95	78	62	48
-12.5°	799	608	437	295	189	130	105	88	72	57	43
-13.75°	676	503	353	234	155	117	97	82	66	52	37
-15°	555	403	276	181	129	105	90	74	60	46	34
-16.25°	441	313	212	147	114	97	82	67	53	39	31
-17.5°	335	232	159	121	102	88	73	59	46	35	28
-18.75°	242	167	126	106	92	78	64	51	38	31	24
-20°	170	131	110	95	82	68	56	43	34	27	20
-21.25°	131	111	97	84	71	59	47	36	29	23	18



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	110	97	85	72	61	49	38	31	25	20	16
-23.75°	95	84	72	61	51	40	32	26	20	17	14
-25°	82	71	61	51	40	33	27	21	18	15	13
-26.25°	68	59	49	40	33	28	22	19	16	13	12
-27.5°	56	47	38	32	27	22	19	16	13	12	11
-28.75°	43	36	31	26	21	19	16	13	12	11	10
-30°	34	29	25	20	18	16	13	12	11	10	9
-31.25°	27	23	20	17	15	13	12	11	10	9	9
-32.5°	20	18	16	14	13	12	11	10	9	9	8
-33.75°	17	15	13	12	11	10	10	9	9	8	8
-35°	14	12	12	11	10	9	9	8	8	8	7
-36.25°	12	11	10	10	9	9	8	8	8	7	7
-37.5°	10	10	9	9	9	8	8	8	7	7	7
-38.75°	9	9	9	8	8	8	8	7	7	7	7
-40°	9	8	8	8	8	7	7	7	7	7	6
-41.25°	8	8	8	7	7	7	7	7	7	6	6
-42.5°	8	7	7	7	7	7	7	6	6	6	6
-43.75°	7	7	7	7	7	6	6	6	6	6	6
-45°	7	7	7	6	6	6	6	6	6	6	5
-46.25°	6	6	6	6	6	6	6	6	5	5	5
-47.5°	6	6	6	6	6	6	5	5	5	5	5
-48.75°	6	6	6	5	5	5	5	5	5	5	4
-50°	5	5	5	5	5	5	5	5	4	4	4
-51.25°	5	5	5	5	5	5	4	4	4	4	4
-52.5°	5	5	5	4	4	4	4	4	4	4	3
-53.75°	4	4	4	4	4	4	4	4	3	3	3
-55°	4	4	4	4	4	4	3	3	3	3	3
-56.25°	4	4	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	2	2	2
-58.75°	3	3	3	3	3	2	2	2	2	2	2
-60°	3	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	1
-65°	2	2	2	2	2	2	1	1	1	1	1
-66.25°	2	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	1	0	0
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	2	2	1	1	1	1	1	1	1	1	1
61.25°	2	2	2	2	1	1	1	1	1	1	1
60°	2	2	2	2	2	2	1	1	1	1	1
58.75°	2	2	2	2	2	2	2	2	1	1	1
57.5°	2	2	2	2	2	2	2	2	2	2	1
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	2	2	2	2	2	2	2	2	2
53.75°	3	3	3	3	2	2	2	2	2	2	2
52.5°	3	3	3	3	3	2	2	2	2	2	2
51.25°	4	3	3	3	3	3	3	2	2	2	2
50°	4	4	4	3	3	3	3	3	2	2	2
48.75°	4	4	4	4	4	3	3	3	3	2	2
47.5°	5	4	4	4	4	4	3	3	3	3	3
46.25°	5	5	4	4	4	4	4	3	3	3	3
45°	5	5	5	5	4	4	4	4	3	3	3
43.75°	5	5	5	5	5	4	4	4	4	3	3
42.5°	6	5	5	5	5	5	4	4	4	4	3
41.25°	6	6	6	5	5	5	5	4	4	4	4
40°	6	6	6	6	5	5	5	5	4	4	4
38.75°	6	6	6	6	6	5	5	5	5	4	4
37.5°	7	6	6	6	6	6	5	5	5	5	4
36.25°	7	7	6	6	6	6	6	5	5	5	4
35°	7	7	7	6	6	6	6	5	5	5	5



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	7	7	7	7	6	6	6	6	5	5	5
32.5°	8	7	7	7	7	6	6	6	6	5	5
31.25°	8	8	7	7	7	7	6	6	6	6	5
30°	9	8	8	7	7	7	7	6	6	6	5
28.75°	9	8	8	8	7	7	7	6	6	6	6
27.5°	10	9	8	8	8	7	7	7	6	6	6
26.25°	10	9	9	8	8	7	7	7	6	6	6
25°	11	10	9	9	8	8	7	7	7	6	6
23.75°	12	11	10	9	8	8	7	7	7	6	6
22.5°	13	12	10	9	9	8	8	7	7	7	6
21.25°	15	12	11	10	9	8	8	7	7	7	6
20°	17	14	12	10	9	9	8	8	7	7	6
18.75°	19	15	12	11	10	9	8	8	7	7	7
17.5°	20	17	14	12	10	9	8	8	7	7	7
16.25°	24	19	15	12	11	9	9	8	8	7	7
15°	27	20	16	13	11	10	9	8	8	7	7
13.75°	30	22	18	14	12	10	9	8	8	7	7
12.5°	32	25	19	15	12	11	9	9	8	7	7
11.25°	35	27	20	16	13	11	10	9	8	8	7
10°	37	29	21	17	13	11	10	9	8	8	7
8.75°	41	31	23	18	14	12	10	9	8	8	7
7.5°	44	33	25	19	15	12	10	9	8	8	7
6.25°	47	34	26	19	15	12	11	9	8	8	7
5°	49	35	27	20	16	12	11	9	9	8	7
3.75°	51	36	28	20	16	13	11	9	9	8	7
2.5°	52	37	28	20	16	13	11	9	9	8	7
1.25°	53	37	29	21	17	13	11	9	9	8	7
0°	53	37	29	21	17	13	11	10	9	8	8
-1.25°	53	37	29	21	17	13	11	9	9	8	7
-2.5°	52	37	28	20	16	13	11	9	9	8	7
-3.75°	51	36	28	20	16	13	11	9	9	8	7
-5°	49	35	27	20	16	12	11	9	9	8	7
-6.25°	47	34	26	19	15	12	11	9	8	8	7
-7.5°	44	33	25	19	15	12	10	9	8	8	7
-8.75°	41	31	23	18	14	12	10	9	8	8	7
-10°	37	29	21	17	13	11	10	9	8	8	7
-11.25°	35	27	20	16	13	11	10	9	8	8	7
-12.5°	32	25	19	15	12	11	9	9	8	7	7
-13.75°	30	22	18	14	12	10	9	8	8	7	7
-15°	27	20	16	13	11	10	9	8	8	7	7
-16.25°	24	19	15	12	11	9	9	8	8	7	7
-17.5°	20	17	14	12	10	9	8	8	7	7	7
-18.75°	19	15	12	11	10	9	8	8	7	7	7
-20°	17	14	12	10	9	9	8	8	7	7	6
-21.25°	15	12	11	10	9	8	8	7	7	7	6



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	13	12	10	9	9	8	8	7	7	7	6
-23.75°	12	11	10	9	8	8	7	7	7	6	6
-25°	11	10	9	9	8	8	7	7	7	6	6
-26.25°	10	9	9	8	8	7	7	7	6	6	6
-27.5°	10	9	8	8	8	7	7	7	6	6	6
-28.75°	9	8	8	8	7	7	7	6	6	6	6
-30°	9	8	8	7	7	7	7	6	6	6	5
-31.25°	8	8	7	7	7	7	6	6	6	6	5
-32.5°	8	7	7	7	7	6	6	6	6	5	5
-33.75°	7	7	7	7	6	6	6	6	5	5	5
-35°	7	7	7	6	6	6	6	5	5	5	5
-36.25°	7	7	6	6	6	6	6	5	5	5	4
-37.5°	7	6	6	6	6	6	5	5	5	5	4
-38.75°	6	6	6	6	6	5	5	5	5	4	4
-40°	6	6	6	6	5	5	5	5	4	4	4
-41.25°	6	6	6	5	5	5	5	4	4	4	4
-42.5°	6	5	5	5	5	5	4	4	4	4	3
-43.75°	5	5	5	5	5	4	4	4	4	3	3
-45°	5	5	5	5	4	4	4	4	3	3	3
-46.25°	5	5	4	4	4	4	4	3	3	3	3
-47.5°	5	4	4	4	4	4	3	3	3	3	3
-48.75°	4	4	4	4	4	3	3	3	3	2	2
-50°	4	4	4	3	3	3	3	3	2	2	2
-51.25°	4	3	3	3	3	3	3	2	2	2	2
-52.5°	3	3	3	3	3	2	2	2	2	2	2
-53.75°	3	3	3	3	2	2	2	2	2	2	2
-55°	3	3	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	1
-58.75°	2	2	2	2	2	2	2	2	1	1	1
-60°	2	2	2	2	2	2	1	1	1	1	1
-61.25°	2	2	2	2	1	1	1	1	1	1	1
-62.5°	2	2	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	0	0	0	0
-68.75°	1	1	1	1	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	5	4	4	4	3	3	3	2	2	2	2
32.5°	5	4	4	4	3	3	3	3	2	2	2
31.25°	5	5	4	4	4	3	3	3	2	2	2
30°	5	5	4	4	4	3	3	3	2	2	2
28.75°	5	5	5	4	4	4	3	3	3	2	2
27.5°	5	5	5	4	4	4	3	3	3	2	2
26.25°	6	5	5	5	4	4	4	3	3	2	2
25°	6	5	5	5	4	4	4	3	3	3	2
23.75°	6	5	5	5	4	4	4	3	3	3	2
22.5°	6	6	5	5	5	4	4	3	3	3	2
21.25°	6	6	5	5	5	4	4	4	3	3	2
20°	6	6	5	5	5	4	4	4	3	3	3
18.75°	6	6	6	5	5	4	4	4	3	3	3
17.5°	6	6	6	5	5	5	4	4	3	3	3
16.25°	6	6	6	5	5	5	4	4	4	3	3
15°	7	6	6	6	5	5	4	4	4	3	3
13.75°	7	6	6	6	5	5	4	4	4	3	3
12.5°	7	6	6	6	5	5	4	4	4	3	3
11.25°	7	6	6	6	5	5	5	4	4	3	3
10°	7	6	6	6	5	5	5	4	4	3	3
8.75°	7	7	6	6	5	5	5	4	4	3	3
7.5°	7	7	6	6	5	5	5	4	4	4	3
6.25°	7	7	6	6	6	5	5	4	4	4	3
5°	7	7	6	6	6	5	5	4	4	4	3
3.75°	7	7	6	6	6	5	5	4	4	4	3
2.5°	7	7	6	6	6	5	5	4	4	4	3
1.25°	7	7	6	6	6	5	5	4	4	4	3
0°	7	7	6	6	6	5	5	4	4	4	3
-1.25°	7	7	6	6	6	5	5	4	4	4	3
-2.5°	7	7	6	6	6	5	5	4	4	4	3
-3.75°	7	7	6	6	6	5	5	4	4	4	3
-5°	7	7	6	6	6	5	5	4	4	4	3
-6.25°	7	7	6	6	6	5	5	4	4	4	3
-7.5°	7	7	6	6	5	5	5	4	4	4	3
-8.75°	7	7	6	6	5	5	5	4	4	3	3
-10°	7	6	6	6	5	5	5	4	4	3	3
-11.25°	7	6	6	6	5	5	5	4	4	3	3
-12.5°	7	6	6	6	5	5	4	4	4	3	3
-13.75°	7	6	6	6	5	5	4	4	4	3	3
-15°	7	6	6	6	5	5	4	4	4	3	3
-16.25°	6	6	6	5	5	5	4	4	4	3	3
-17.5°	6	6	6	5	5	5	4	4	3	3	3
-18.75°	6	6	6	5	5	4	4	4	3	3	3
-20°	6	6	5	5	5	4	4	4	3	3	3
-21.25°	6	6	5	5	5	4	4	4	3	3	2



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)