

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: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

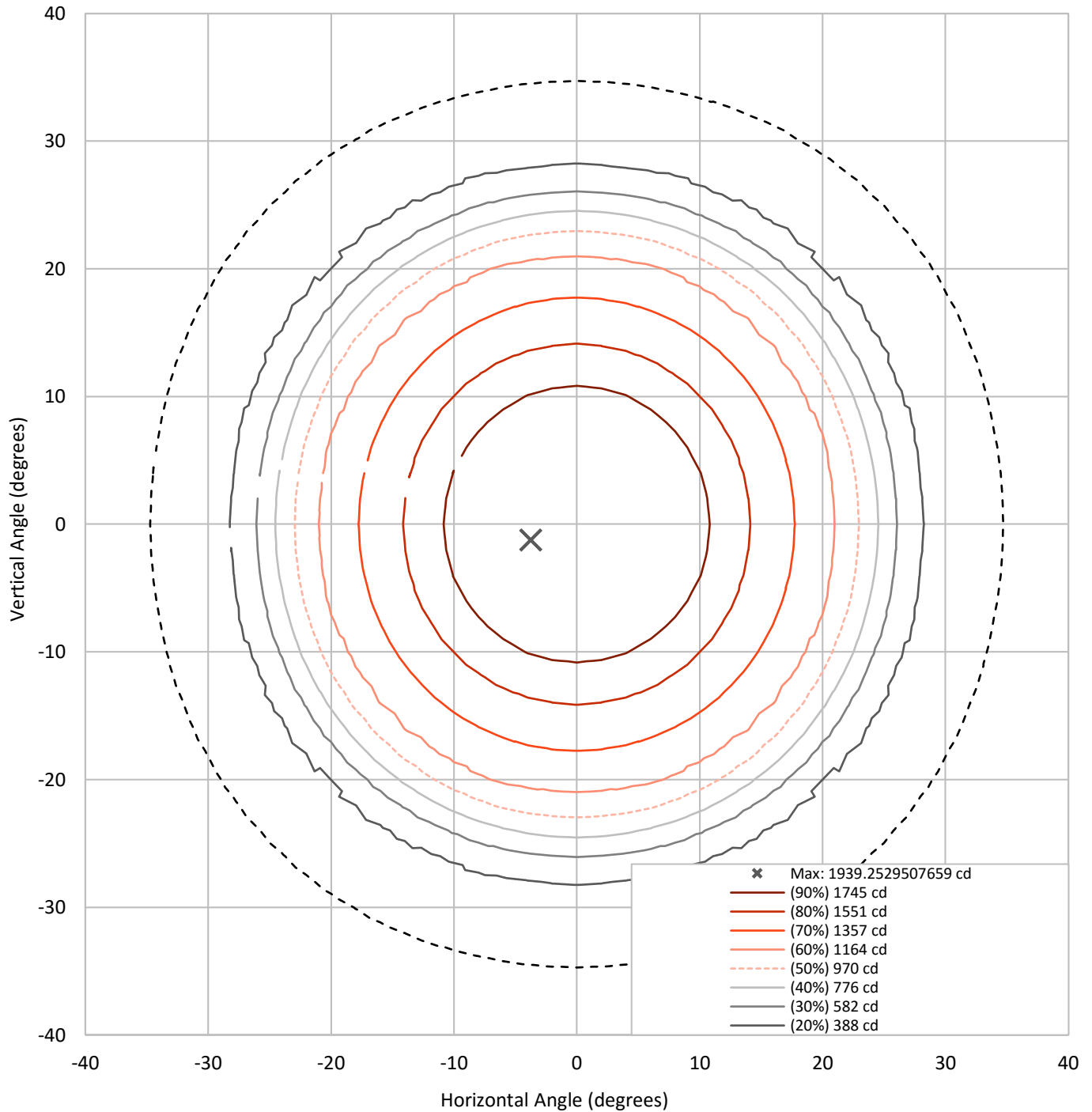
Test Method: LM-79-08
Report Number: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE
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:	1084.3 lumens	Max Intensity:	1939.3 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	53.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46°H x 45.5°V	Field Angle (10%):	69.2°H x 69°V
Beam Lumens:	733.1 lumens	Field Lumens:	993.6 lumens
Beam Efficiency:	67.6%	Field Efficiency:	91.6%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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

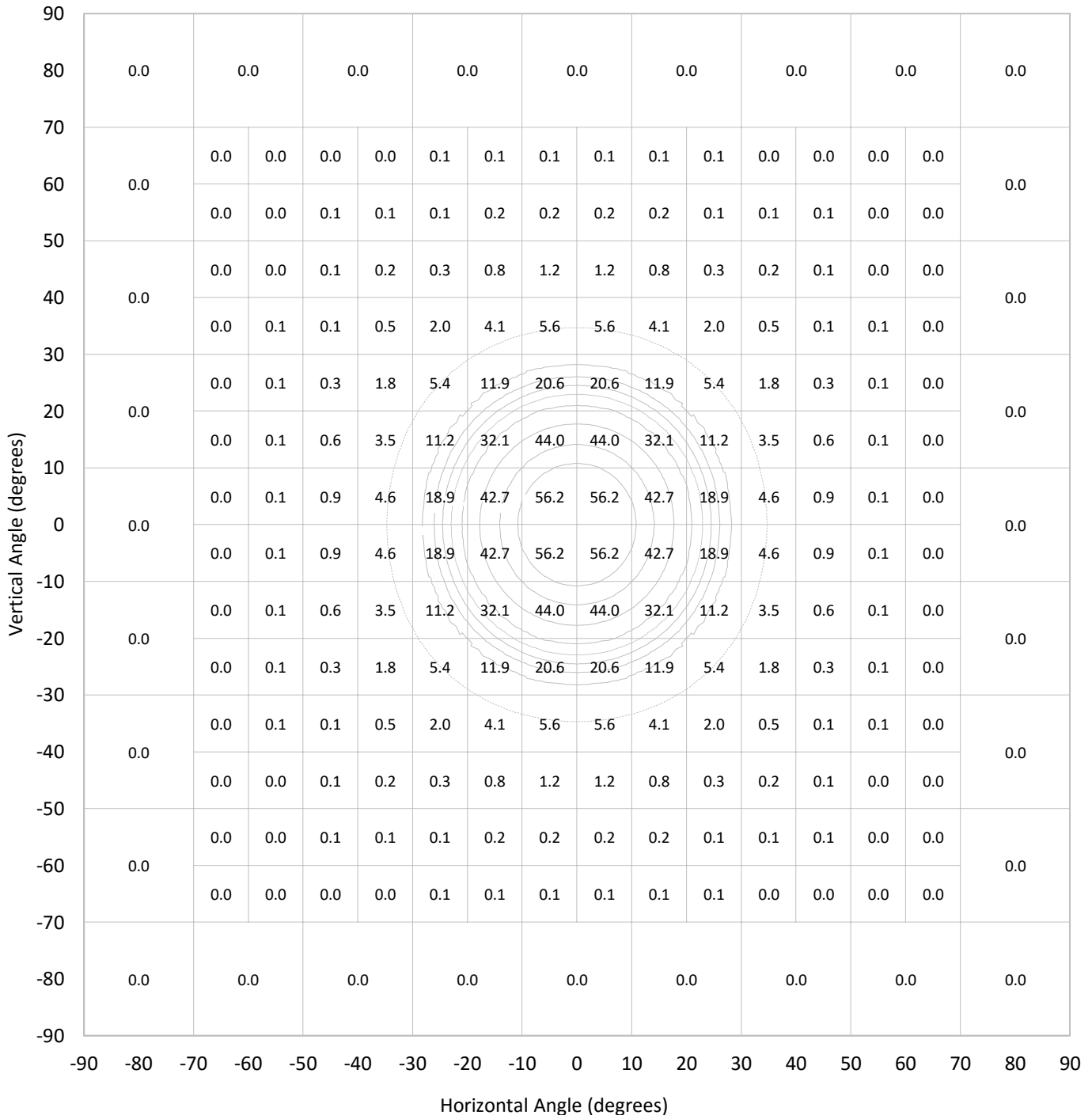
Iso-Candela Plot





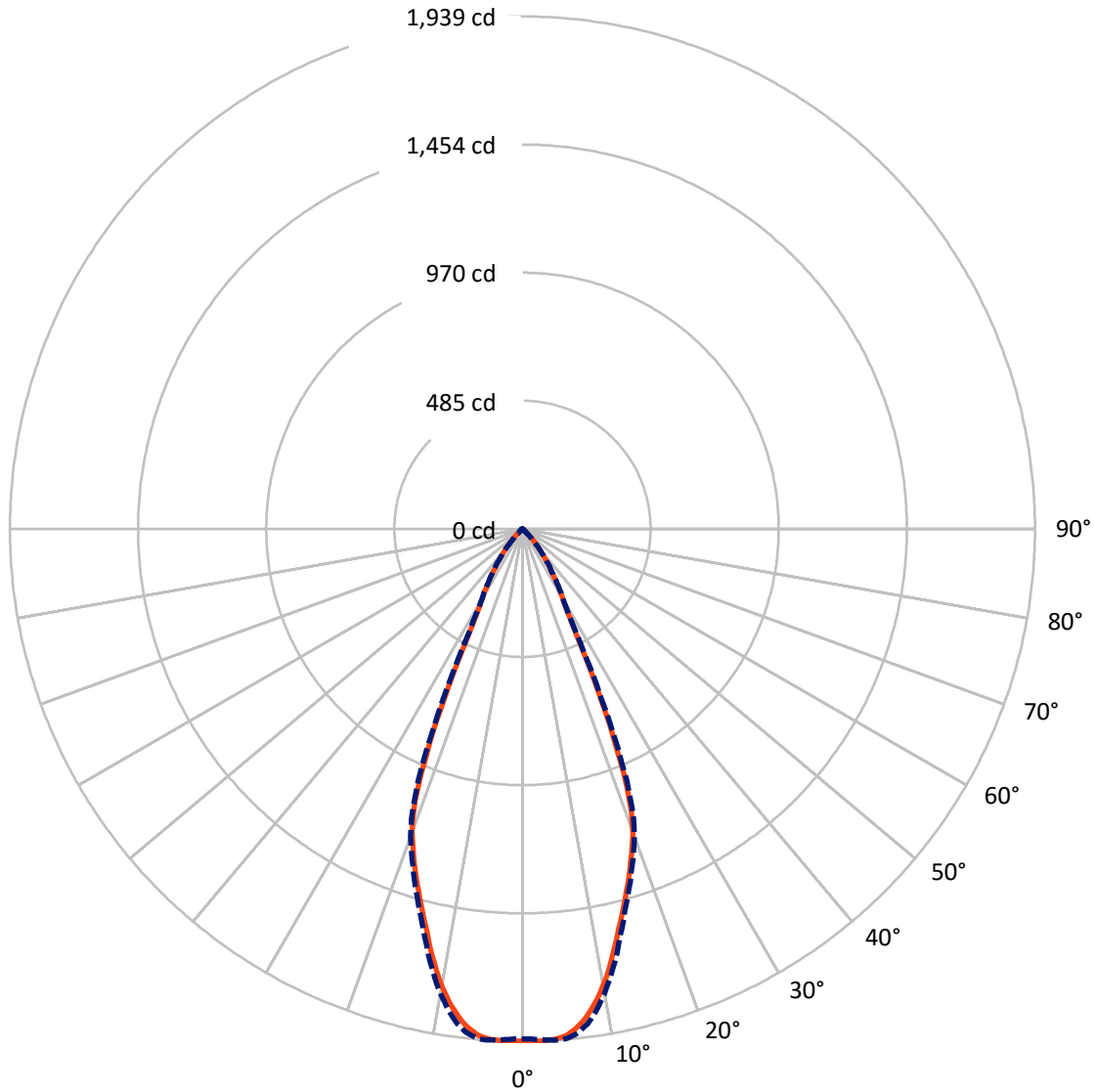
REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

Lumen Table



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

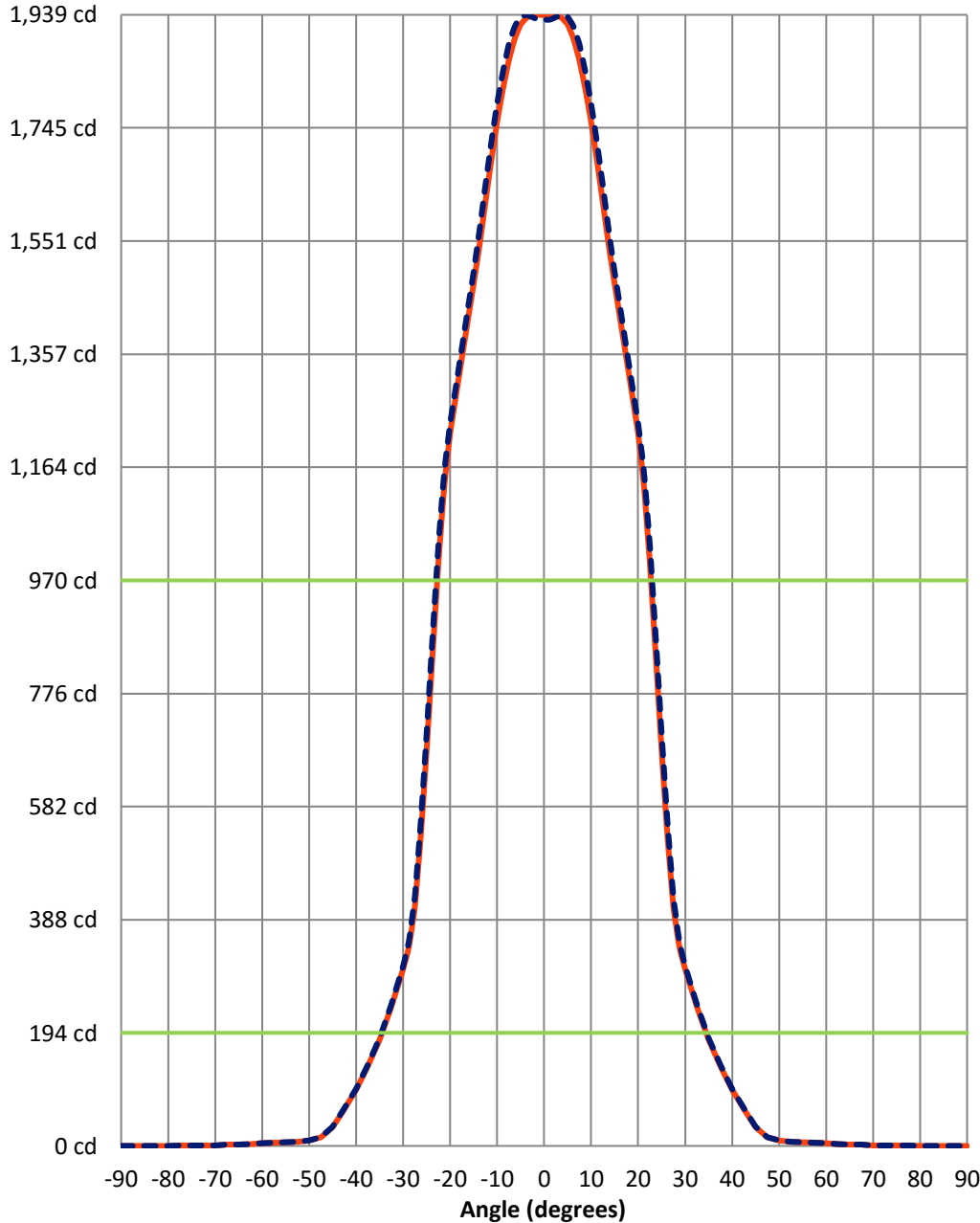
Luminous Intensity Polar Plot



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

REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 46°
 V Angle: 45.5°
 Lumens: 733.1
 Efficiency: 67.6%

Field:
 H Angle: 69.2°
 V Angle: 69°
 Lumens: 993.6
 Efficiency: 91.6%

Spill:
 Lumens: 90.8
 Efficiency: 8.4%

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
31.25°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
28.75°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
26.25°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
23.75°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
21.25°	0	0	0	0	0	0	0	0	0	0	1
20°	0	0	0	0	0	0	0	0	0	0	1
18.75°	0	0	0	0	0	0	0	0	0	0	1
17.5°	0	0	0	0	0	0	0	0	0	0	1
16.25°	0	0	0	0	0	0	0	0	0	0	1
15°	0	0	0	0	0	0	0	0	0	0	1
13.75°	0	0	0	0	0	0	0	0	0	0	1
12.5°	0	0	0	0	0	0	0	0	0	0	1
11.25°	0	0	0	0	0	0	0	0	0	0	1
10°	0	0	0	0	0	0	0	0	0	0	1
8.75°	0	0	0	0	0	0	0	0	0	0	1
7.5°	0	0	0	0	0	0	0	0	0	0	1
6.25°	0	0	0	0	0	0	0	0	0	0	1
5°	0	0	0	0	0	0	0	0	0	0	1
3.75°	0	0	0	0	0	0	0	0	0	0	1
2.5°	0	0	0	0	0	0	0	0	0	0	1
1.25°	0	0	0	0	0	0	0	0	0	0	1
0°	0	0	0	0	0	0	0	0	0	0	1
-1.25°	0	0	0	0	0	0	0	0	0	0	1
-2.5°	0	0	0	0	0	0	0	0	0	0	1
-3.75°	0	0	0	0	0	0	0	0	0	0	1
-5°	0	0	0	0	0	0	0	0	0	0	1
-6.25°	0	0	0	0	0	0	0	0	0	0	1
-7.5°	0	0	0	0	0	0	0	0	0	0	1
-8.75°	0	0	0	0	0	0	0	0	0	0	1
-10°	0	0	0	0	0	0	0	0	0	0	1
-11.25°	0	0	0	0	0	0	0	0	0	0	1
-12.5°	0	0	0	0	0	0	0	0	0	0	1
-13.75°	0	0	0	0	0	0	0	0	0	0	1
-15°	0	0	0	0	0	0	0	0	0	0	1
-16.25°	0	0	0	0	0	0	0	0	0	0	1
-17.5°	0	0	0	0	0	0	0	0	0	0	1
-18.75°	0	0	0	0	0	0	0	0	0	0	1
-20°	0	0	0	0	0	0	0	0	0	0	1
-21.25°	0	0	0	0	0	0	0	0	0	0	1



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	0	1	1	1	1	1	1	1	1	1	2
32.5°	1	1	1	1	1	1	1	1	1	1	2
31.25°	1	1	1	1	1	1	1	1	1	2	2
30°	1	1	1	1	1	1	1	1	1	2	2
28.75°	1	1	1	1	1	1	1	1	1	2	2
27.5°	1	1	1	1	1	1	1	1	1	2	2
26.25°	1	1	1	1	1	1	1	1	2	2	2
25°	1	1	1	1	1	1	1	1	2	2	2
23.75°	1	1	1	1	1	1	1	1	2	2	2
22.5°	1	1	1	1	1	1	1	1	2	2	2
21.25°	1	1	1	1	1	1	1	1	2	2	2
20°	1	1	1	1	1	1	1	1	2	2	2
18.75°	1	1	1	1	1	1	1	2	2	2	2
17.5°	1	1	1	1	1	1	1	2	2	2	2
16.25°	1	1	1	1	1	1	1	2	2	2	2
15°	1	1	1	1	1	1	1	2	2	2	2
13.75°	1	1	1	1	1	1	1	2	2	2	3
12.5°	1	1	1	1	1	1	1	2	2	2	3
11.25°	1	1	1	1	1	1	1	2	2	2	3
10°	1	1	1	1	1	1	1	2	2	2	3
8.75°	1	1	1	1	1	1	1	2	2	2	3
7.5°	1	1	1	1	1	1	1	2	2	2	3
6.25°	1	1	1	1	1	1	2	2	2	2	3
5°	1	1	1	1	1	1	2	2	2	2	3
3.75°	1	1	1	1	1	1	2	2	2	2	3
2.5°	1	1	1	1	1	1	2	2	2	2	3
1.25°	1	1	1	1	1	1	2	2	2	2	3
0°	1	1	1	1	1	1	2	2	2	2	3
-1.25°	1	1	1	1	1	1	2	2	2	2	3
-2.5°	1	1	1	1	1	1	2	2	2	2	3
-3.75°	1	1	1	1	1	1	2	2	2	2	3
-5°	1	1	1	1	1	1	2	2	2	2	3
-6.25°	1	1	1	1	1	1	2	2	2	2	3
-7.5°	1	1	1	1	1	1	1	2	2	2	3
-8.75°	1	1	1	1	1	1	1	2	2	2	3
-10°	1	1	1	1	1	1	1	2	2	2	3
-11.25°	1	1	1	1	1	1	1	2	2	2	3
-12.5°	1	1	1	1	1	1	1	2	2	2	3
-13.75°	1	1	1	1	1	1	1	2	2	2	3
-15°	1	1	1	1	1	1	1	2	2	2	2
-16.25°	1	1	1	1	1	1	1	2	2	2	2
-17.5°	1	1	1	1	1	1	1	2	2	2	2
-18.75°	1	1	1	1	1	1	1	2	2	2	2
-20°	1	1	1	1	1	1	1	1	2	2	2
-21.25°	1	1	1	1	1	1	1	1	2	2	2



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	6	6	6	7	7	7	8	9	10	12	14
32.5°	6	6	7	7	7	8	9	10	12	14	18
31.25°	6	6	7	7	8	9	9	12	14	17	23
30°	6	7	7	7	8	9	11	13	15	22	28
28.75°	6	7	7	8	9	10	12	14	20	27	33
27.5°	7	7	7	8	9	11	14	17	24	31	42
26.25°	7	7	8	9	10	13	15	22	29	38	50
25°	7	7	8	9	12	14	18	26	33	46	58
23.75°	7	8	9	10	13	15	22	30	40	53	66
22.5°	7	8	9	11	14	18	26	34	47	60	74
21.25°	8	9	10	12	15	22	30	40	54	67	81
20°	8	9	11	13	17	25	33	47	60	74	89
18.75°	8	9	12	14	20	28	38	52	66	81	95
17.5°	9	10	12	15	23	31	44	58	72	87	103
16.25°	9	10	13	17	25	34	49	63	78	93	110
15°	9	11	14	19	28	39	53	68	83	99	118
13.75°	9	12	14	22	30	43	58	73	88	105	124
12.5°	10	12	15	24	32	46	62	77	93	111	130
11.25°	10	13	17	25	35	50	65	81	97	116	136
10°	11	13	18	27	38	53	69	85	101	121	141
8.75°	11	14	20	28	40	56	72	88	105	125	146
7.5°	11	14	21	30	43	58	74	91	109	129	150
6.25°	12	14	22	31	45	60	76	93	112	132	154
5°	12	15	23	32	46	62	78	95	114	135	157
3.75°	12	15	23	32	48	63	80	96	116	137	159
2.5°	12	15	24	33	48	64	81	97	118	138	161
1.25°	12	15	24	33	49	65	81	98	119	139	162
0°	12	15	24	33	49	65	82	98	119	140	163
-1.25°	12	15	24	33	49	65	81	98	119	139	162
-2.5°	12	15	24	33	48	64	81	97	118	138	161
-3.75°	12	15	23	32	48	63	80	96	116	137	159
-5°	12	15	23	32	46	62	78	95	114	135	157
-6.25°	12	14	22	31	45	60	76	93	112	132	154
-7.5°	11	14	21	30	43	58	74	91	109	129	150
-8.75°	11	14	20	28	40	56	72	88	105	125	146
-10°	11	13	18	27	38	53	69	85	101	121	141
-11.25°	10	13	17	25	35	50	65	81	97	116	136
-12.5°	10	12	15	24	32	46	62	77	93	111	130
-13.75°	9	12	14	22	30	43	58	73	88	105	124
-15°	9	11	14	19	28	39	53	68	83	99	118
-16.25°	9	10	13	17	25	34	49	63	78	93	110
-17.5°	9	10	12	15	23	31	44	58	72	87	103
-18.75°	8	9	12	14	20	28	38	52	66	81	95
-20°	8	9	11	13	17	25	33	47	60	74	89
-21.25°	8	9	10	12	15	22	30	40	54	67	81



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	7	8	9	11	14	18	26	34	47	60	74
-23.75°	7	8	9	10	13	15	22	30	40	53	66
-25°	7	7	8	9	12	14	18	26	33	46	58
-26.25°	7	7	8	9	10	13	15	22	29	38	50
-27.5°	7	7	7	8	9	11	14	17	24	31	42
-28.75°	6	7	7	8	9	10	12	14	20	27	33
-30°	6	7	7	7	8	9	11	13	15	22	28
-31.25°	6	6	7	7	8	9	9	12	14	17	23
-32.5°	6	6	7	7	7	8	9	10	12	14	18
-33.75°	6	6	6	7	7	7	8	9	10	12	14
-35°	6	6	6	6	7	7	8	8	9	11	13
-36.25°	5	6	6	6	7	7	7	8	9	9	11
-37.5°	5	6	6	6	6	7	7	7	8	9	9
-38.75°	5	5	6	6	6	6	7	7	7	8	9
-40°	5	5	5	6	6	6	6	7	7	7	8
-41.25°	5	5	5	5	6	6	6	6	7	7	7
-42.5°	4	5	5	5	5	6	6	6	6	7	7
-43.75°	4	4	5	5	5	5	6	6	6	6	7
-45°	3	4	4	5	5	5	5	6	6	6	6
-46.25°	3	3	4	4	5	5	5	5	6	6	6
-47.5°	3	3	3	4	4	5	5	5	5	6	6
-48.75°	3	3	3	3	4	4	5	5	5	5	5
-50°	2	3	3	3	3	4	4	4	5	5	5
-51.25°	2	2	3	3	3	3	4	4	4	5	5
-52.5°	2	2	2	3	3	3	3	3	4	4	4
-53.75°	2	2	2	2	2	3	3	3	3	4	4
-55°	2	2	2	2	2	2	3	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	3	3	3
-57.5°	1	2	2	2	2	2	2	2	2	2	3
-58.75°	1	1	1	2	2	2	2	2	2	2	2
-60°	1	1	1	1	2	2	2	2	2	2	2
-61.25°	1	1	1	1	1	1	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	2	2	2
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	1	1	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	1	1	1
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	2	2	2	2
65°	1	1	1	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	3	3	3	3
60°	2	2	2	2	3	3	3	3	3	3	3
58.75°	2	3	3	3	3	3	3	3	4	4	4
57.5°	3	3	3	3	3	4	4	4	4	4	5
56.25°	3	3	3	4	4	4	4	5	5	5	5
55°	4	4	4	4	5	5	5	5	5	5	5
53.75°	4	4	5	5	5	5	5	5	6	6	6
52.5°	5	5	5	5	5	6	6	6	6	6	6
51.25°	5	5	5	6	6	6	6	6	6	6	6
50°	5	6	6	6	6	6	6	6	7	7	7
48.75°	6	6	6	6	6	6	7	7	7	7	7
47.5°	6	6	6	6	7	7	7	7	7	8	8
46.25°	6	6	7	7	7	7	7	8	8	9	9
45°	6	7	7	7	7	8	8	9	9	10	11
43.75°	7	7	7	8	8	9	9	10	12	13	14
42.5°	7	7	8	9	9	10	11	13	14	15	18
41.25°	8	8	9	9	11	12	14	15	18	22	26
40°	8	9	10	12	13	14	17	22	26	30	34
38.75°	9	10	12	14	15	20	24	29	33	40	47
37.5°	11	12	14	17	22	27	31	38	46	53	60
36.25°	13	14	18	23	28	33	42	50	58	66	74
35°	14	18	24	29	36	45	54	62	71	79	87



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	18	24	30	37	47	56	65	75	84	92	101
32.5°	24	30	38	48	58	67	77	87	96	107	118
31.25°	29	37	48	58	69	79	89	99	111	123	134
30°	36	47	58	69	80	90	101	114	127	139	151
28.75°	45	56	67	79	90	102	116	129	142	156	169
27.5°	54	65	77	89	101	116	129	143	158	172	186
26.25°	62	75	87	99	114	129	143	159	174	190	208
25°	71	84	96	111	127	142	158	174	191	210	229
23.75°	79	92	107	123	139	156	172	190	210	230	250
22.5°	87	101	118	134	151	169	186	208	229	250	272
21.25°	95	112	128	146	164	182	203	225	247	271	294
20°	104	121	138	157	176	196	219	242	267	292	317
18.75°	113	130	149	168	188	211	235	260	286	312	341
17.5°	121	139	159	179	201	226	251	278	304	333	377
16.25°	129	148	168	189	214	239	267	294	323	363	430
15°	136	157	177	201	227	253	282	310	344	400	492
13.75°	144	165	186	212	238	267	296	327	372	452	565
12.5°	151	172	195	222	249	279	309	345	407	510	638
11.25°	157	179	204	231	260	291	323	368	450	569	708
10°	163	185	212	240	270	301	336	391	494	628	776
8.75°	168	192	219	248	279	311	351	424	541	683	837
7.5°	173	198	226	255	287	320	367	453	582	733	890
6.25°	177	203	231	262	294	328	381	480	620	777	935
5°	180	207	236	267	299	335	395	508	653	813	972
3.75°	182	210	239	271	304	341	410	529	678	842	999
2.5°	184	213	241	274	307	347	421	545	696	862	1018
1.25°	185	214	243	276	309	350	428	554	708	874	1030
0°	186	214	243	276	309	351	430	557	711	878	1034
-1.25°	185	214	243	276	309	351	430	557	711	878	1034
-2.5°	184	213	241	274	307	347	421	545	696	862	1018
-3.75°	182	210	239	271	304	341	410	529	678	842	999
-5°	180	207	236	267	299	335	395	508	653	813	972
-6.25°	177	203	231	262	294	328	381	480	620	777	935
-7.5°	173	198	226	255	287	320	367	453	582	733	890
-8.75°	168	192	219	248	279	311	351	424	541	683	837
-10°	163	185	212	240	270	301	336	391	494	628	776
-11.25°	157	179	204	231	260	291	323	368	450	569	708
-12.5°	151	172	195	222	249	279	309	345	407	510	638
-13.75°	144	165	186	212	238	267	296	327	372	452	565
-15°	136	157	177	201	227	253	282	310	344	400	492
-16.25°	129	148	168	189	214	239	267	294	323	363	430
-17.5°	121	139	159	179	201	226	251	278	304	333	377
-18.75°	113	130	149	168	188	211	235	260	286	312	341
-20°	104	121	138	157	176	196	219	242	267	292	317
-21.25°	95	112	128	146	164	182	203	225	247	271	294



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	87	101	118	134	151	169	186	208	229	250	272
-23.75°	79	92	107	123	139	156	172	190	210	230	250
-25°	71	84	96	111	127	142	158	174	191	210	229
-26.25°	62	75	87	99	114	129	143	159	174	190	208
-27.5°	54	65	77	89	101	116	129	143	158	172	186
-28.75°	45	56	67	79	90	102	116	129	142	156	169
-30°	36	47	58	69	80	90	101	114	127	139	151
-31.25°	29	37	48	58	69	79	89	99	111	123	134
-32.5°	24	30	38	48	58	67	77	87	96	107	118
-33.75°	18	24	30	37	47	56	65	75	84	92	101
-35°	14	18	24	29	36	45	54	62	71	79	87
-36.25°	13	14	18	23	28	33	42	50	58	66	74
-37.5°	11	12	14	17	22	27	31	38	46	53	60
-38.75°	9	10	12	14	15	20	24	29	33	40	47
-40°	8	9	10	12	13	14	17	22	26	30	34
-41.25°	8	8	9	9	11	12	14	15	18	22	26
-42.5°	7	7	8	9	9	10	11	13	14	15	18
-43.75°	7	7	7	8	8	9	9	10	12	13	14
-45°	6	7	7	7	7	8	8	9	9	10	11
-46.25°	6	6	7	7	7	7	7	8	8	9	9
-47.5°	6	6	6	6	7	7	7	7	7	8	8
-48.75°	6	6	6	6	6	6	7	7	7	7	7
-50°	5	6	6	6	6	6	6	6	7	7	7
-51.25°	5	5	5	6	6	6	6	6	6	6	6
-52.5°	5	5	5	5	5	6	6	6	6	6	6
-53.75°	4	4	5	5	5	5	5	5	6	6	6
-55°	4	4	4	4	5	5	5	5	5	5	5
-56.25°	3	3	3	4	4	4	4	5	5	5	5
-57.5°	3	3	3	3	3	4	4	4	4	4	5
-58.75°	2	3	3	3	3	3	3	3	4	4	4
-60°	2	2	2	2	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	2	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	1	1	1	2	2	2	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	0	0	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	4	4	4	4
60°	3	4	4	4	4	4	4	4	4	4	5
58.75°	4	4	4	5	5	5	5	5	5	5	5
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	6	6	6	6	7
52.5°	6	6	6	6	7	7	7	7	7	7	7
51.25°	7	7	7	7	7	7	7	7	7	8	8
50°	7	7	7	7	8	8	8	8	9	9	9
48.75°	8	8	8	9	9	9	9	10	10	11	11
47.5°	9	9	9	10	10	11	12	12	13	13	14
46.25°	10	11	12	12	13	14	14	15	17	18	20
45°	12	13	14	15	17	19	22	24	25	27	28
43.75°	15	17	20	23	25	28	30	32	35	38	40
42.5°	22	25	28	31	34	39	43	46	50	53	56
41.25°	30	33	38	44	49	53	58	62	65	69	72
40°	40	47	52	58	63	68	73	77	81	85	88
38.75°	54	60	66	72	78	83	88	93	97	101	105
37.5°	67	74	81	87	93	99	105	111	116	121	125
36.25°	81	89	95	103	110	118	124	130	136	141	146
35°	95	104	113	121	129	136	144	151	157	163	168



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	112	121	130	139	148	157	165	172	179	185	192
32.5°	128	138	149	159	168	177	186	195	204	212	219
31.25°	146	157	168	179	189	201	212	222	231	240	248
30°	164	176	188	201	214	227	238	249	260	270	279
28.75°	182	196	211	226	239	253	267	279	291	301	311
27.5°	203	219	235	251	267	282	296	309	323	336	351
26.25°	225	242	260	278	294	310	327	345	368	391	424
25°	247	267	286	304	323	344	372	407	450	494	541
23.75°	271	292	312	333	363	400	452	510	569	628	683
22.5°	294	317	341	377	430	492	565	638	708	776	837
21.25°	318	346	385	450	527	609	694	777	855	925	986
20°	346	388	460	547	641	736	830	917	994	1061	1115
18.75°	385	460	554	657	762	866	961	1045	1115	1169	1205
17.5°	450	547	657	771	883	987	1079	1148	1200	1236	1266
16.25°	527	641	762	883	995	1096	1169	1218	1258	1292	1324
15°	609	736	866	987	1096	1176	1227	1270	1310	1347	1380
13.75°	694	830	961	1079	1169	1227	1274	1319	1360	1399	1437
12.5°	777	917	1045	1148	1218	1270	1319	1365	1409	1452	1490
11.25°	855	994	1115	1200	1258	1310	1360	1409	1457	1501	1545
10°	925	1061	1169	1236	1292	1347	1399	1452	1501	1551	1604
8.75°	986	1115	1205	1266	1324	1380	1437	1490	1545	1604	1660
7.5°	1037	1156	1233	1293	1352	1411	1469	1527	1589	1652	1710
6.25°	1080	1189	1255	1316	1377	1438	1497	1560	1629	1694	1752
5°	1111	1207	1273	1335	1397	1461	1523	1592	1663	1729	1788
3.75°	1133	1222	1287	1351	1414	1478	1544	1617	1690	1756	1813
2.5°	1149	1232	1297	1362	1427	1491	1559	1636	1709	1775	1832
1.25°	1158	1239	1303	1368	1434	1498	1569	1647	1720	1787	1843
0°	1161	1241	1306	1371	1437	1501	1573	1650	1724	1791	1847
-1.25°	1158	1239	1303	1368	1434	1498	1569	1647	1720	1787	1843
-2.5°	1149	1232	1297	1362	1427	1491	1559	1636	1709	1775	1832
-3.75°	1133	1222	1287	1351	1414	1478	1544	1617	1690	1756	1813
-5°	1111	1207	1273	1335	1397	1461	1523	1592	1663	1729	1788
-6.25°	1080	1189	1255	1316	1377	1438	1497	1560	1629	1694	1752
-7.5°	1037	1156	1233	1293	1352	1411	1469	1527	1589	1652	1710
-8.75°	986	1115	1205	1266	1324	1380	1437	1490	1545	1604	1660
-10°	925	1061	1169	1236	1292	1347	1399	1452	1501	1551	1604
-11.25°	855	994	1115	1200	1258	1310	1360	1409	1457	1501	1545
-12.5°	777	917	1045	1148	1218	1270	1319	1365	1409	1452	1490
-13.75°	694	830	961	1079	1169	1227	1274	1319	1360	1399	1437
-15°	609	736	866	987	1096	1176	1227	1270	1310	1347	1380
-16.25°	527	641	762	883	995	1096	1169	1218	1258	1292	1324
-17.5°	450	547	657	771	883	987	1079	1148	1200	1236	1266
-18.75°	385	460	554	657	762	866	961	1045	1115	1169	1205
-20°	346	388	460	547	641	736	830	917	994	1061	1115
-21.25°	318	346	385	450	527	609	694	777	855	925	986



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	294	317	341	377	430	492	565	638	708	776	837
-23.75°	271	292	312	333	363	400	452	510	569	628	683
-25°	247	267	286	304	323	344	372	407	450	494	541
-26.25°	225	242	260	278	294	310	327	345	368	391	424
-27.5°	203	219	235	251	267	282	296	309	323	336	351
-28.75°	182	196	211	226	239	253	267	279	291	301	311
-30°	164	176	188	201	214	227	238	249	260	270	279
-31.25°	146	157	168	179	189	201	212	222	231	240	248
-32.5°	128	138	149	159	168	177	186	195	204	212	219
-33.75°	112	121	130	139	148	157	165	172	179	185	192
-35°	95	104	113	121	129	136	144	151	157	163	168
-36.25°	81	89	95	103	110	118	124	130	136	141	146
-37.5°	67	74	81	87	93	99	105	111	116	121	125
-38.75°	54	60	66	72	78	83	88	93	97	101	105
-40°	40	47	52	58	63	68	73	77	81	85	88
-41.25°	30	33	38	44	49	53	58	62	65	69	72
-42.5°	22	25	28	31	34	39	43	46	50	53	56
-43.75°	15	17	20	23	25	28	30	32	35	38	40
-45°	12	13	14	15	17	19	22	24	25	27	28
-46.25°	10	11	12	12	13	14	14	15	17	18	20
-47.5°	9	9	9	10	10	11	12	12	13	13	14
-48.75°	8	8	8	9	9	9	9	10	10	11	11
-50°	7	7	7	7	8	8	8	8	9	9	9
-51.25°	7	7	7	7	7	7	7	7	7	8	8
-52.5°	6	6	6	6	7	7	7	7	7	7	7
-53.75°	6	6	6	6	6	6	6	6	6	6	7
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	6	6	6	6	6	6	6
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	5	5	5	5	5	5	5	5
-60°	3	4	4	4	4	4	4	4	4	4	5
-61.25°	3	3	3	3	3	3	3	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	5	5	5	5	5	5	5	5	5	5	5
58.75°	5	5	5	5	5	5	5	5	5	5	5
57.5°	6	6	6	6	6	6	6	6	6	6	6
56.25°	6	6	6	6	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	7	7	7	7	7	7	7	7	7	7	7
52.5°	7	7	7	7	7	7	7	7	7	7	7
51.25°	8	8	8	8	8	8	8	8	8	8	8
50°	9	9	9	9	9	9	9	9	9	9	9
48.75°	11	12	12	12	12	12	12	12	12	12	12
47.5°	14	14	15	15	15	15	15	15	15	15	15
46.25°	21	22	23	23	24	24	24	24	24	23	23
45°	30	31	32	32	33	33	33	33	33	32	32
43.75°	43	45	46	48	48	49	49	49	48	48	46
42.5°	58	60	62	63	64	65	65	65	64	63	62
41.25°	74	76	78	80	81	81	82	81	81	80	78
40°	91	93	95	96	97	98	98	98	97	96	95
38.75°	109	112	114	116	118	119	119	119	118	116	114
37.5°	129	132	135	137	138	139	140	139	138	137	135
36.25°	150	154	157	159	161	162	163	162	161	159	157
35°	173	177	180	182	184	185	186	185	184	182	180

REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	198	203	207	210	213	214	214	214	213	210	207
32.5°	226	231	236	239	241	243	243	243	241	239	236
31.25°	255	262	267	271	274	276	276	276	274	271	267
30°	287	294	299	304	307	309	309	309	307	304	299
28.75°	320	328	335	341	347	350	351	350	347	341	335
27.5°	367	381	395	410	421	428	430	428	421	410	395
26.25°	453	480	508	529	545	554	557	554	545	529	508
25°	582	620	653	678	696	708	711	708	696	678	653
23.75°	733	777	813	842	862	874	878	874	862	842	813
22.5°	890	935	972	999	1018	1030	1034	1030	1018	999	972
21.25°	1037	1080	1111	1133	1149	1158	1161	1158	1149	1133	1111
20°	1156	1189	1207	1222	1232	1239	1241	1239	1232	1222	1207
18.75°	1233	1255	1273	1287	1297	1303	1306	1303	1297	1287	1273
17.5°	1293	1316	1335	1351	1362	1368	1371	1368	1362	1351	1335
16.25°	1352	1377	1397	1414	1427	1434	1437	1434	1427	1414	1397
15°	1411	1438	1461	1478	1491	1498	1501	1498	1491	1478	1461
13.75°	1469	1497	1523	1544	1559	1569	1573	1569	1559	1544	1523
12.5°	1527	1560	1592	1617	1636	1647	1650	1647	1636	1617	1592
11.25°	1589	1629	1663	1690	1709	1720	1724	1720	1709	1690	1663
10°	1652	1694	1729	1756	1775	1787	1791	1787	1775	1756	1729
8.75°	1710	1752	1788	1813	1832	1843	1847	1843	1832	1813	1788
7.5°	1760	1802	1836	1861	1880	1889	1892	1889	1880	1861	1836
6.25°	1802	1843	1877	1899	1913	1920	1923	1920	1913	1899	1877
5°	1836	1877	1906	1923	1932	1936	1937	1936	1932	1923	1906
3.75°	1861	1899	1923	1934	1938	1939	1939	1939	1938	1934	1923
2.5°	1880	1913	1932	1938	1938	1935	1934	1935	1938	1938	1932
1.25°	1889	1920	1936	1939	1935	1931	1931	1931	1935	1939	1936
0°	1892	1923	1937	1939	1934	1931	1936	1931	1934	1939	1937
-1.25°	1889	1920	1936	1939	1935	1931	1931	1931	1935	1939	1936
-2.5°	1880	1913	1932	1938	1938	1935	1934	1935	1938	1938	1932
-3.75°	1861	1899	1923	1934	1938	1939	1939	1939	1938	1934	1923
-5°	1836	1877	1906	1923	1932	1936	1937	1936	1932	1923	1906
-6.25°	1802	1843	1877	1899	1913	1920	1923	1920	1913	1899	1877
-7.5°	1760	1802	1836	1861	1880	1889	1892	1889	1880	1861	1836
-8.75°	1710	1752	1788	1813	1832	1843	1847	1843	1832	1813	1788
-10°	1652	1694	1729	1756	1775	1787	1791	1787	1775	1756	1729
-11.25°	1589	1629	1663	1690	1709	1720	1724	1720	1709	1690	1663
-12.5°	1527	1560	1592	1617	1636	1647	1650	1647	1636	1617	1592
-13.75°	1469	1497	1523	1544	1559	1569	1573	1569	1559	1544	1523
-15°	1411	1438	1461	1478	1491	1498	1501	1498	1491	1478	1461
-16.25°	1352	1377	1397	1414	1427	1434	1437	1434	1427	1414	1397
-17.5°	1293	1316	1335	1351	1362	1368	1371	1368	1362	1351	1335
-18.75°	1233	1255	1273	1287	1297	1303	1306	1303	1297	1287	1273
-20°	1156	1189	1207	1222	1232	1239	1241	1239	1232	1222	1207
-21.25°	1037	1080	1111	1133	1149	1158	1161	1158	1149	1133	1111



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	890	935	972	999	1018	1030	1034	1030	1018	999	972
-23.75°	733	777	813	842	862	874	878	874	862	842	813
-25°	582	620	653	678	696	708	711	708	696	678	653
-26.25°	453	480	508	529	545	554	557	554	545	529	508
-27.5°	367	381	395	410	421	428	430	428	421	410	395
-28.75°	320	328	335	341	347	350	351	350	347	341	335
-30°	287	294	299	304	307	309	309	309	307	304	299
-31.25°	255	262	267	271	274	276	276	276	274	271	267
-32.5°	226	231	236	239	241	243	243	243	241	239	236
-33.75°	198	203	207	210	213	214	214	214	213	210	207
-35°	173	177	180	182	184	185	186	185	184	182	180
-36.25°	150	154	157	159	161	162	163	162	161	159	157
-37.5°	129	132	135	137	138	139	140	139	138	137	135
-38.75°	109	112	114	116	118	119	119	119	118	116	114
-40°	91	93	95	96	97	98	98	98	97	96	95
-41.25°	74	76	78	80	81	81	82	81	81	80	78
-42.5°	58	60	62	63	64	65	65	65	64	63	62
-43.75°	43	45	46	48	48	49	49	49	48	48	46
-45°	30	31	32	32	33	33	33	33	33	32	32
-46.25°	21	22	23	23	24	24	24	24	24	23	23
-47.5°	14	14	15	15	15	15	15	15	15	15	15
-48.75°	11	12	12	12	12	12	12	12	12	12	12
-50°	9	9	9	9	9	9	9	9	9	9	9
-51.25°	8	8	8	8	8	8	8	8	8	8	8
-52.5°	7	7	7	7	7	7	7	7	7	7	7
-53.75°	7	7	7	7	7	7	7	7	7	7	7
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	6	6
-57.5°	6	6	6	6	6	6	6	6	6	6	6
-58.75°	5	5	5	5	5	5	5	5	5	5	5
-60°	5	5	5	5	5	5	5	5	5	5	5
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	3	3	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	3	3	3	3	3
60°	5	5	5	4	4	4	4	4	4	4	4
58.75°	5	5	5	5	5	5	5	5	5	5	4
57.5°	6	6	5	5	5	5	5	5	5	5	5
56.25°	6	6	6	6	6	6	6	6	6	5	5
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	7	7	7	6	6	6	6	6	6	6	6
52.5°	7	7	7	7	7	7	7	7	7	6	6
51.25°	8	8	8	8	7	7	7	7	7	7	7
50°	9	9	9	9	9	8	8	8	8	7	7
48.75°	12	11	11	11	10	10	9	9	9	9	8
47.5°	14	14	14	13	13	12	12	11	10	10	9
46.25°	22	21	20	18	17	15	14	14	13	12	12
45°	31	30	28	27	25	24	22	19	17	15	14
43.75°	45	43	40	38	35	32	30	28	25	23	20
42.5°	60	58	56	53	50	46	43	39	34	31	28
41.25°	76	74	72	69	65	62	58	53	49	44	38
40°	93	91	88	85	81	77	73	68	63	58	52
38.75°	112	109	105	101	97	93	88	83	78	72	66
37.5°	132	129	125	121	116	111	105	99	93	87	81
36.25°	154	150	146	141	136	130	124	118	110	103	95
35°	177	173	168	163	157	151	144	136	129	121	113



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	203	198	192	185	179	172	165	157	148	139	130
32.5°	231	226	219	212	204	195	186	177	168	159	149
31.25°	262	255	248	240	231	222	212	201	189	179	168
30°	294	287	279	270	260	249	238	227	214	201	188
28.75°	328	320	311	301	291	279	267	253	239	226	211
27.5°	381	367	351	336	323	309	296	282	267	251	235
26.25°	480	453	424	391	368	345	327	310	294	278	260
25°	620	582	541	494	450	407	372	344	323	304	286
23.75°	777	733	683	628	569	510	452	400	363	333	312
22.5°	935	890	837	776	708	638	565	492	430	377	341
21.25°	1080	1037	986	925	855	777	694	609	527	450	385
20°	1189	1156	1115	1061	994	917	830	736	641	547	460
18.75°	1255	1233	1205	1169	1115	1045	961	866	762	657	554
17.5°	1316	1293	1266	1236	1200	1148	1079	987	883	771	657
16.25°	1377	1352	1324	1292	1258	1218	1169	1096	995	883	762
15°	1438	1411	1380	1347	1310	1270	1227	1176	1096	987	866
13.75°	1497	1469	1437	1399	1360	1319	1274	1227	1169	1079	961
12.5°	1560	1527	1490	1452	1409	1365	1319	1270	1218	1148	1045
11.25°	1629	1589	1545	1501	1457	1409	1360	1310	1258	1200	1115
10°	1694	1652	1604	1551	1501	1452	1399	1347	1292	1236	1169
8.75°	1752	1710	1660	1604	1545	1490	1437	1380	1324	1266	1205
7.5°	1802	1760	1710	1652	1589	1527	1469	1411	1352	1293	1233
6.25°	1843	1802	1752	1694	1629	1560	1497	1438	1377	1316	1255
5°	1877	1836	1788	1729	1663	1592	1523	1461	1397	1335	1273
3.75°	1899	1861	1813	1756	1690	1617	1544	1478	1414	1351	1287
2.5°	1913	1880	1832	1775	1709	1636	1559	1491	1427	1362	1297
1.25°	1920	1889	1843	1787	1720	1647	1569	1498	1434	1368	1303
0°	1923	1892	1847	1791	1724	1650	1573	1501	1437	1371	1306
-1.25°	1920	1889	1843	1787	1720	1647	1569	1498	1434	1368	1303
-2.5°	1913	1880	1832	1775	1709	1636	1559	1491	1427	1362	1297
-3.75°	1899	1861	1813	1756	1690	1617	1544	1478	1414	1351	1287
-5°	1877	1836	1788	1729	1663	1592	1523	1461	1397	1335	1273
-6.25°	1843	1802	1752	1694	1629	1560	1497	1438	1377	1316	1255
-7.5°	1802	1760	1710	1652	1589	1527	1469	1411	1352	1293	1233
-8.75°	1752	1710	1660	1604	1545	1490	1437	1380	1324	1266	1205
-10°	1694	1652	1604	1551	1501	1452	1399	1347	1292	1236	1169
-11.25°	1629	1589	1545	1501	1457	1409	1360	1310	1258	1200	1115
-12.5°	1560	1527	1490	1452	1409	1365	1319	1270	1218	1148	1045
-13.75°	1497	1469	1437	1399	1360	1319	1274	1227	1169	1079	961
-15°	1438	1411	1380	1347	1310	1270	1227	1176	1096	987	866
-16.25°	1377	1352	1324	1292	1258	1218	1169	1096	995	883	762
-17.5°	1316	1293	1266	1236	1200	1148	1079	987	883	771	657
-18.75°	1255	1233	1205	1169	1115	1045	961	866	762	657	554
-20°	1189	1156	1115	1061	994	917	830	736	641	547	460
-21.25°	1080	1037	986	925	855	777	694	609	527	450	385



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	935	890	837	776	708	638	565	492	430	377	341
-23.75°	777	733	683	628	569	510	452	400	363	333	312
-25°	620	582	541	494	450	407	372	344	323	304	286
-26.25°	480	453	424	391	368	345	327	310	294	278	260
-27.5°	381	367	351	336	323	309	296	282	267	251	235
-28.75°	328	320	311	301	291	279	267	253	239	226	211
-30°	294	287	279	270	260	249	238	227	214	201	188
-31.25°	262	255	248	240	231	222	212	201	189	179	168
-32.5°	231	226	219	212	204	195	186	177	168	159	149
-33.75°	203	198	192	185	179	172	165	157	148	139	130
-35°	177	173	168	163	157	151	144	136	129	121	113
-36.25°	154	150	146	141	136	130	124	118	110	103	95
-37.5°	132	129	125	121	116	111	105	99	93	87	81
-38.75°	112	109	105	101	97	93	88	83	78	72	66
-40°	93	91	88	85	81	77	73	68	63	58	52
-41.25°	76	74	72	69	65	62	58	53	49	44	38
-42.5°	60	58	56	53	50	46	43	39	34	31	28
-43.75°	45	43	40	38	35	32	30	28	25	23	20
-45°	31	30	28	27	25	24	22	19	17	15	14
-46.25°	22	21	20	18	17	15	14	14	13	12	12
-47.5°	14	14	14	13	13	12	12	11	10	10	9
-48.75°	12	11	11	11	10	10	9	9	9	9	8
-50°	9	9	9	9	9	8	8	8	8	7	7
-51.25°	8	8	8	8	7	7	7	7	7	7	7
-52.5°	7	7	7	7	7	7	7	7	7	6	6
-53.75°	7	7	7	6	6	6	6	6	6	6	6
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	5	5
-57.5°	6	6	5	5	5	5	5	5	5	5	5
-58.75°	5	5	5	5	5	5	5	5	5	5	4
-60°	5	5	5	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	1	1	0	0	0	0	0	0	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	2	2	1
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	2	2	2	2	2
60°	4	3	3	3	3	3	3	3	3	2	2
58.75°	4	4	4	4	4	3	3	3	3	3	3
57.5°	5	5	5	4	4	4	4	4	3	3	3
56.25°	5	5	5	5	5	5	4	4	4	4	3
55°	6	6	5	5	5	5	5	5	5	4	4
53.75°	6	6	6	6	6	5	5	5	5	5	5
52.5°	6	6	6	6	6	6	6	6	5	5	5
51.25°	7	7	6	6	6	6	6	6	6	6	5
50°	7	7	7	7	7	6	6	6	6	6	6
48.75°	8	8	7	7	7	7	7	6	6	6	6
47.5°	9	9	8	8	7	7	7	7	7	6	6
46.25°	11	10	9	9	8	8	7	7	7	7	7
45°	13	12	11	10	9	9	8	8	7	7	7
43.75°	17	15	14	13	12	10	9	9	8	8	7
42.5°	25	22	18	15	14	13	11	10	9	9	8
41.25°	33	30	26	22	18	15	14	12	11	9	9
40°	47	40	34	30	26	22	17	14	13	12	10
38.75°	60	54	47	40	33	29	24	20	15	14	12
37.5°	74	67	60	53	46	38	31	27	22	17	14
36.25°	89	81	74	66	58	50	42	33	28	23	18
35°	104	95	87	79	71	62	54	45	36	29	24



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	121	112	101	92	84	75	65	56	47	37	30
32.5°	138	128	118	107	96	87	77	67	58	48	38
31.25°	157	146	134	123	111	99	89	79	69	58	48
30°	176	164	151	139	127	114	101	90	80	69	58
28.75°	196	182	169	156	142	129	116	102	90	79	67
27.5°	219	203	186	172	158	143	129	116	101	89	77
26.25°	242	225	208	190	174	159	143	129	114	99	87
25°	267	247	229	210	191	174	158	142	127	111	96
23.75°	292	271	250	230	210	190	172	156	139	123	107
22.5°	317	294	272	250	229	208	186	169	151	134	118
21.25°	346	318	294	271	247	225	203	182	164	146	128
20°	388	346	317	292	267	242	219	196	176	157	138
18.75°	460	385	341	312	286	260	235	211	188	168	149
17.5°	547	450	377	333	304	278	251	226	201	179	159
16.25°	641	527	430	363	323	294	267	239	214	189	168
15°	736	609	492	400	344	310	282	253	227	201	177
13.75°	830	694	565	452	372	327	296	267	238	212	186
12.5°	917	777	638	510	407	345	309	279	249	222	195
11.25°	994	855	708	569	450	368	323	291	260	231	204
10°	1061	925	776	628	494	391	336	301	270	240	212
8.75°	1115	986	837	683	541	424	351	311	279	248	219
7.5°	1156	1037	890	733	582	453	367	320	287	255	226
6.25°	1189	1080	935	777	620	480	381	328	294	262	231
5°	1207	1111	972	813	653	508	395	335	299	267	236
3.75°	1222	1133	999	842	678	529	410	341	304	271	239
2.5°	1232	1149	1018	862	696	545	421	347	307	274	241
1.25°	1239	1158	1030	874	708	554	428	350	309	276	243
0°	1241	1161	1034	878	711	557	430	351	309	276	243
-1.25°	1239	1158	1030	874	708	554	428	350	309	276	243
-2.5°	1232	1149	1018	862	696	545	421	347	307	274	241
-3.75°	1222	1133	999	842	678	529	410	341	304	271	239
-5°	1207	1111	972	813	653	508	395	335	299	267	236
-6.25°	1189	1080	935	777	620	480	381	328	294	262	231
-7.5°	1156	1037	890	733	582	453	367	320	287	255	226
-8.75°	1115	986	837	683	541	424	351	311	279	248	219
-10°	1061	925	776	628	494	391	336	301	270	240	212
-11.25°	994	855	708	569	450	368	323	291	260	231	204
-12.5°	917	777	638	510	407	345	309	279	249	222	195
-13.75°	830	694	565	452	372	327	296	267	238	212	186
-15°	736	609	492	400	344	310	282	253	227	201	177
-16.25°	641	527	430	363	323	294	267	239	214	189	168
-17.5°	547	450	377	333	304	278	251	226	201	179	159
-18.75°	460	385	341	312	286	260	235	211	188	168	149
-20°	388	346	317	292	267	242	219	196	176	157	138
-21.25°	346	318	294	271	247	225	203	182	164	146	128



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	317	294	272	250	229	208	186	169	151	134	118
-23.75°	292	271	250	230	210	190	172	156	139	123	107
-25°	267	247	229	210	191	174	158	142	127	111	96
-26.25°	242	225	208	190	174	159	143	129	114	99	87
-27.5°	219	203	186	172	158	143	129	116	101	89	77
-28.75°	196	182	169	156	142	129	116	102	90	79	67
-30°	176	164	151	139	127	114	101	90	80	69	58
-31.25°	157	146	134	123	111	99	89	79	69	58	48
-32.5°	138	128	118	107	96	87	77	67	58	48	38
-33.75°	121	112	101	92	84	75	65	56	47	37	30
-35°	104	95	87	79	71	62	54	45	36	29	24
-36.25°	89	81	74	66	58	50	42	33	28	23	18
-37.5°	74	67	60	53	46	38	31	27	22	17	14
-38.75°	60	54	47	40	33	29	24	20	15	14	12
-40°	47	40	34	30	26	22	17	14	13	12	10
-41.25°	33	30	26	22	18	15	14	12	11	9	9
-42.5°	25	22	18	15	14	13	11	10	9	9	8
-43.75°	17	15	14	13	12	10	9	9	8	8	7
-45°	13	12	11	10	9	9	8	8	7	7	7
-46.25°	11	10	9	9	8	8	7	7	7	7	7
-47.5°	9	9	8	8	7	7	7	7	7	6	6
-48.75°	8	8	7	7	7	7	7	6	6	6	6
-50°	7	7	7	7	7	6	6	6	6	6	6
-51.25°	7	7	6	6	6	6	6	6	6	6	5
-52.5°	6	6	6	6	6	6	6	6	5	5	5
-53.75°	6	6	6	6	6	5	5	5	5	5	5
-55°	6	6	5	5	5	5	5	5	5	4	4
-56.25°	5	5	5	5	5	5	4	4	4	4	3
-57.5°	5	5	5	4	4	4	4	4	3	3	3
-58.75°	4	4	4	4	4	3	3	3	3	3	3
-60°	4	3	3	3	3	3	3	3	3	2	2
-61.25°	3	3	3	3	3	3	2	2	2	2	2
-62.5°	3	3	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	1
-66.25°	2	2	2	2	2	2	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	1	1	1	1	1	0	0	0	0	0	0
73.75°	1	1	1	1	1	1	1	1	1	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	2	2	1	1	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	1	1	1	1	1	1
61.25°	2	2	2	2	2	2	2	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	1	1
58.75°	3	2	2	2	2	2	2	2	2	2	1
57.5°	3	3	3	2	2	2	2	2	2	2	2
56.25°	3	3	3	3	3	2	2	2	2	2	2
55°	4	4	3	3	3	3	3	2	2	2	2
53.75°	4	4	4	4	3	3	3	3	2	2	2
52.5°	5	5	4	4	4	3	3	3	3	3	2
51.25°	5	5	5	5	4	4	4	3	3	3	3
50°	6	5	5	5	5	4	4	4	3	3	3
48.75°	6	6	5	5	5	5	5	4	4	3	3
47.5°	6	6	6	6	5	5	5	5	4	4	3
46.25°	6	6	6	6	6	5	5	5	5	4	4
45°	7	6	6	6	6	6	5	5	5	5	4
43.75°	7	7	7	6	6	6	6	5	5	5	5
42.5°	7	7	7	7	6	6	6	6	5	5	5
41.25°	8	8	7	7	7	6	6	6	6	5	5
40°	9	8	8	7	7	7	6	6	6	6	5
38.75°	10	9	9	8	7	7	7	6	6	6	6
37.5°	12	11	9	9	8	7	7	7	6	6	6
36.25°	14	13	11	9	9	8	7	7	7	6	6
35°	18	14	13	11	9	8	8	7	7	6	6



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	24	18	14	12	10	9	8	7	7	7	6
32.5°	30	24	18	14	12	10	9	8	7	7	7
31.25°	37	29	23	17	14	12	9	9	8	7	7
30°	47	36	28	22	15	13	11	9	8	7	7
28.75°	56	45	33	27	20	14	12	10	9	8	7
27.5°	65	54	42	31	24	17	14	11	9	8	7
26.25°	75	62	50	38	29	22	15	13	10	9	8
25°	84	71	58	46	33	26	18	14	12	9	8
23.75°	92	79	66	53	40	30	22	15	13	10	9
22.5°	101	87	74	60	47	34	26	18	14	11	9
21.25°	112	95	81	67	54	40	30	22	15	12	10
20°	121	104	89	74	60	47	33	25	17	13	11
18.75°	130	113	95	81	66	52	38	28	20	14	12
17.5°	139	121	103	87	72	58	44	31	23	15	12
16.25°	148	129	110	93	78	63	49	34	25	17	13
15°	157	136	118	99	83	68	53	39	28	19	14
13.75°	165	144	124	105	88	73	58	43	30	22	14
12.5°	172	151	130	111	93	77	62	46	32	24	15
11.25°	179	157	136	116	97	81	65	50	35	25	17
10°	185	163	141	121	101	85	69	53	38	27	18
8.75°	192	168	146	125	105	88	72	56	40	28	20
7.5°	198	173	150	129	109	91	74	58	43	30	21
6.25°	203	177	154	132	112	93	76	60	45	31	22
5°	207	180	157	135	114	95	78	62	46	32	23
3.75°	210	182	159	137	116	96	80	63	48	32	23
2.5°	213	184	161	138	118	97	81	64	48	33	24
1.25°	214	185	162	139	119	98	81	65	49	33	24
0°	214	186	163	140	119	98	82	65	49	33	24
-1.25°	214	186	163	140	119	98	82	65	49	33	24
-2.5°	213	184	161	138	118	97	81	64	48	33	24
-3.75°	210	182	159	137	116	96	80	63	48	32	23
-5°	207	180	157	135	114	95	78	62	46	32	23
-6.25°	203	177	154	132	112	93	76	60	45	31	22
-7.5°	198	173	150	129	109	91	74	58	43	30	21
-8.75°	192	168	146	125	105	88	72	56	40	28	20
-10°	185	163	141	121	101	85	69	53	38	27	18
-11.25°	179	157	136	116	97	81	65	50	35	25	17
-12.5°	172	151	130	111	93	77	62	46	32	24	15
-13.75°	165	144	124	105	88	73	58	43	30	22	14
-15°	157	136	118	99	83	68	53	39	28	19	14
-16.25°	148	129	110	93	78	63	49	34	25	17	13
-17.5°	139	121	103	87	72	58	44	31	23	15	12
-18.75°	130	113	95	81	66	52	38	28	20	14	12
-20°	121	104	89	74	60	47	33	25	17	13	11
-21.25°	112	95	81	67	54	40	30	22	15	12	10



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	101	87	74	60	47	34	26	18	14	11	9
-23.75°	92	79	66	53	40	30	22	15	13	10	9
-25°	84	71	58	46	33	26	18	14	12	9	8
-26.25°	75	62	50	38	29	22	15	13	10	9	8
-27.5°	65	54	42	31	24	17	14	11	9	8	7
-28.75°	56	45	33	27	20	14	12	10	9	8	7
-30°	47	36	28	22	15	13	11	9	8	7	7
-31.25°	37	29	23	17	14	12	9	9	8	7	7
-32.5°	30	24	18	14	12	10	9	8	7	7	7
-33.75°	24	18	14	12	10	9	8	7	7	7	6
-35°	18	14	13	11	9	8	8	7	7	6	6
-36.25°	14	13	11	9	9	8	7	7	7	6	6
-37.5°	12	11	9	9	8	7	7	7	6	6	6
-38.75°	10	9	9	8	7	7	7	6	6	6	6
-40°	9	8	8	7	7	7	6	6	6	6	5
-41.25°	8	8	7	7	7	6	6	6	6	5	5
-42.5°	7	7	7	7	6	6	6	6	5	5	5
-43.75°	7	7	7	6	6	6	6	5	5	5	5
-45°	7	6	6	6	6	6	5	5	5	5	4
-46.25°	6	6	6	6	6	5	5	5	5	4	4
-47.5°	6	6	6	6	5	5	5	5	4	4	3
-48.75°	6	6	5	5	5	5	5	4	4	3	3
-50°	6	5	5	5	5	4	4	4	3	3	3
-51.25°	5	5	5	5	4	4	4	3	3	3	3
-52.5°	5	5	4	4	4	3	3	3	3	3	2
-53.75°	4	4	4	4	3	3	3	3	2	2	2
-55°	4	4	3	3	3	3	3	2	2	2	2
-56.25°	3	3	3	3	3	2	2	2	2	2	2
-57.5°	3	3	3	2	2	2	2	2	2	2	2
-58.75°	3	2	2	2	2	2	2	2	2	2	1
-60°	2	2	2	2	2	2	2	2	2	1	1
-61.25°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	2	1	1	1	1	1	1
-63.75°	2	2	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	0	0
-75°	1	1	1	1	1	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	6	6	6	5	5	4	4	3	3	3	2
32.5°	6	6	6	5	5	5	4	3	3	3	2
31.25°	6	6	6	6	5	5	4	4	3	3	2
30°	7	6	6	6	5	5	5	4	3	3	3
28.75°	7	6	6	6	6	5	5	4	4	3	3
27.5°	7	7	6	6	6	5	5	4	4	3	3
26.25°	7	7	6	6	6	5	5	5	4	3	3
25°	7	7	7	6	6	6	5	5	4	4	3
23.75°	8	7	7	6	6	6	5	5	4	4	3
22.5°	8	7	7	6	6	6	5	5	5	4	3
21.25°	9	8	7	7	6	6	6	5	5	4	3
20°	9	8	7	7	6	6	6	5	5	4	4
18.75°	9	8	7	7	6	6	6	5	5	4	4
17.5°	10	9	7	7	6	6	6	5	5	5	4
16.25°	10	9	8	7	7	6	6	6	5	5	4
15°	11	9	8	7	7	6	6	6	5	5	4
13.75°	12	9	8	7	7	6	6	6	5	5	4
12.5°	12	10	8	7	7	6	6	6	5	5	4
11.25°	13	10	9	7	7	6	6	6	5	5	4
10°	13	11	9	8	7	6	6	6	5	5	4
8.75°	14	11	9	8	7	7	6	6	5	5	5
7.5°	14	11	9	8	7	7	6	6	6	5	5
6.25°	14	12	9	8	7	7	6	6	6	5	5
5°	15	12	9	8	7	7	6	6	6	5	5
3.75°	15	12	9	8	7	7	6	6	6	5	5
2.5°	15	12	9	8	7	7	6	6	6	5	5
1.25°	15	12	9	8	7	7	6	6	6	5	5
0°	15	12	9	8	7	7	6	6	6	5	5
-1.25°	15	12	9	8	7	7	6	6	6	5	5
-2.5°	15	12	9	8	7	7	6	6	6	5	5
-3.75°	15	12	9	8	7	7	6	6	6	5	5
-5°	15	12	9	8	7	7	6	6	6	5	5
-6.25°	14	12	9	8	7	7	6	6	6	5	5
-7.5°	14	11	9	8	7	7	6	6	6	5	5
-8.75°	14	11	9	8	7	7	6	6	5	5	5
-10°	13	11	9	8	7	6	6	6	5	5	4
-11.25°	13	10	9	7	7	6	6	6	5	5	4
-12.5°	12	10	8	7	7	6	6	6	5	5	4
-13.75°	12	9	8	7	7	6	6	6	5	5	4
-15°	11	9	8	7	7	6	6	6	5	5	4
-16.25°	10	9	8	7	7	6	6	6	5	5	4
-17.5°	10	9	7	7	6	6	6	5	5	5	4
-18.75°	9	8	7	7	6	6	6	5	5	4	4
-20°	9	8	7	7	6	6	6	5	5	4	4
-21.25°	9	8	7	7	6	6	6	5	5	4	3



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	2	2	2	1	1	1	1	1	1	1	1
32.5°	2	2	2	1	1	1	1	1	1	1	1
31.25°	2	2	2	2	1	1	1	1	1	1	1
30°	2	2	2	2	1	1	1	1	1	1	1
28.75°	2	2	2	2	1	1	1	1	1	1	1
27.5°	2	2	2	2	1	1	1	1	1	1	1
26.25°	3	2	2	2	2	1	1	1	1	1	1
25°	3	2	2	2	2	1	1	1	1	1	1
23.75°	3	2	2	2	2	1	1	1	1	1	1
22.5°	3	2	2	2	2	1	1	1	1	1	1
21.25°	3	3	2	2	2	1	1	1	1	1	1
20°	3	3	2	2	2	1	1	1	1	1	1
18.75°	3	3	2	2	2	2	1	1	1	1	1
17.5°	3	3	2	2	2	2	1	1	1	1	1
16.25°	3	3	2	2	2	2	1	1	1	1	1
15°	3	3	2	2	2	2	1	1	1	1	1
13.75°	3	3	3	2	2	2	1	1	1	1	1
12.5°	4	3	3	2	2	2	1	1	1	1	1
11.25°	4	3	3	2	2	2	1	1	1	1	1
10°	4	3	3	2	2	2	1	1	1	1	1
8.75°	4	3	3	2	2	2	1	1	1	1	1
7.5°	4	3	3	2	2	2	1	1	1	1	1
6.25°	4	3	3	2	2	2	2	1	1	1	1
5°	4	3	3	2	2	2	2	1	1	1	1
3.75°	4	3	3	2	2	2	2	1	1	1	1
2.5°	4	3	3	2	2	2	2	1	1	1	1
1.25°	4	3	3	2	2	2	2	1	1	1	1
0°	4	3	3	2	2	2	2	1	1	1	1
-1.25°	4	3	3	2	2	2	2	1	1	1	1
-2.5°	4	3	3	2	2	2	2	1	1	1	1
-3.75°	4	3	3	2	2	2	2	1	1	1	1
-5°	4	3	3	2	2	2	2	1	1	1	1
-6.25°	4	3	3	2	2	2	2	1	1	1	1
-7.5°	4	3	3	2	2	2	1	1	1	1	1
-8.75°	4	3	3	2	2	2	1	1	1	1	1
-10°	4	3	3	2	2	2	1	1	1	1	1
-11.25°	4	3	3	2	2	2	1	1	1	1	1
-12.5°	4	3	3	2	2	2	1	1	1	1	1
-13.75°	3	3	3	2	2	2	1	1	1	1	1
-15°	3	3	2	2	2	2	1	1	1	1	1
-16.25°	3	3	2	2	2	2	1	1	1	1	1
-17.5°	3	3	2	2	2	2	1	1	1	1	1
-18.75°	3	3	2	2	2	2	1	1	1	1	1
-20°	3	3	2	2	2	1	1	1	1	1	1
-21.25°	3	3	2	2	2	1	1	1	1	1	1



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	1	0	0	0	0	0	0	0	0	0	0
32.5°	1	1	0	0	0	0	0	0	0	0	0
31.25°	1	1	0	0	0	0	0	0	0	0	0
30°	1	1	0	0	0	0	0	0	0	0	0
28.75°	1	1	0	0	0	0	0	0	0	0	0
27.5°	1	1	0	0	0	0	0	0	0	0	0
26.25°	1	1	0	0	0	0	0	0	0	0	0
25°	1	1	0	0	0	0	0	0	0	0	0
23.75°	1	1	0	0	0	0	0	0	0	0	0
22.5°	1	1	0	0	0	0	0	0	0	0	0
21.25°	1	1	1	0	0	0	0	0	0	0	0
20°	1	1	1	0	0	0	0	0	0	0	0
18.75°	1	1	1	0	0	0	0	0	0	0	0
17.5°	1	1	1	0	0	0	0	0	0	0	0
16.25°	1	1	1	0	0	0	0	0	0	0	0
15°	1	1	1	0	0	0	0	0	0	0	0
13.75°	1	1	1	0	0	0	0	0	0	0	0
12.5°	1	1	1	0	0	0	0	0	0	0	0
11.25°	1	1	1	0	0	0	0	0	0	0	0
10°	1	1	1	0	0	0	0	0	0	0	0
8.75°	1	1	1	0	0	0	0	0	0	0	0
7.5°	1	1	1	0	0	0	0	0	0	0	0
6.25°	1	1	1	0	0	0	0	0	0	0	0
5°	1	1	1	0	0	0	0	0	0	0	0
3.75°	1	1	1	0	0	0	0	0	0	0	0
2.5°	1	1	1	0	0	0	0	0	0	0	0
1.25°	1	1	1	0	0	0	0	0	0	0	0
0°	1	1	1	0	0	0	0	0	0	0	0
-1.25°	1	1	1	0	0	0	0	0	0	0	0
-2.5°	1	1	1	0	0	0	0	0	0	0	0
-3.75°	1	1	1	0	0	0	0	0	0	0	0
-5°	1	1	1	0	0	0	0	0	0	0	0
-6.25°	1	1	1	0	0	0	0	0	0	0	0
-7.5°	1	1	1	0	0	0	0	0	0	0	0
-8.75°	1	1	1	0	0	0	0	0	0	0	0
-10°	1	1	1	0	0	0	0	0	0	0	0
-11.25°	1	1	1	0	0	0	0	0	0	0	0
-12.5°	1	1	1	0	0	0	0	0	0	0	0
-13.75°	1	1	1	0	0	0	0	0	0	0	0
-15°	1	1	1	0	0	0	0	0	0	0	0
-16.25°	1	1	1	0	0	0	0	0	0	0	0
-17.5°	1	1	1	0	0	0	0	0	0	0	0
-18.75°	1	1	1	0	0	0	0	0	0	0	0
-20°	1	1	1	0	0	0	0	0	0	0	0
-21.25°	1	1	1	0	0	0	0	0	0	0	0



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220568 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)