

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: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

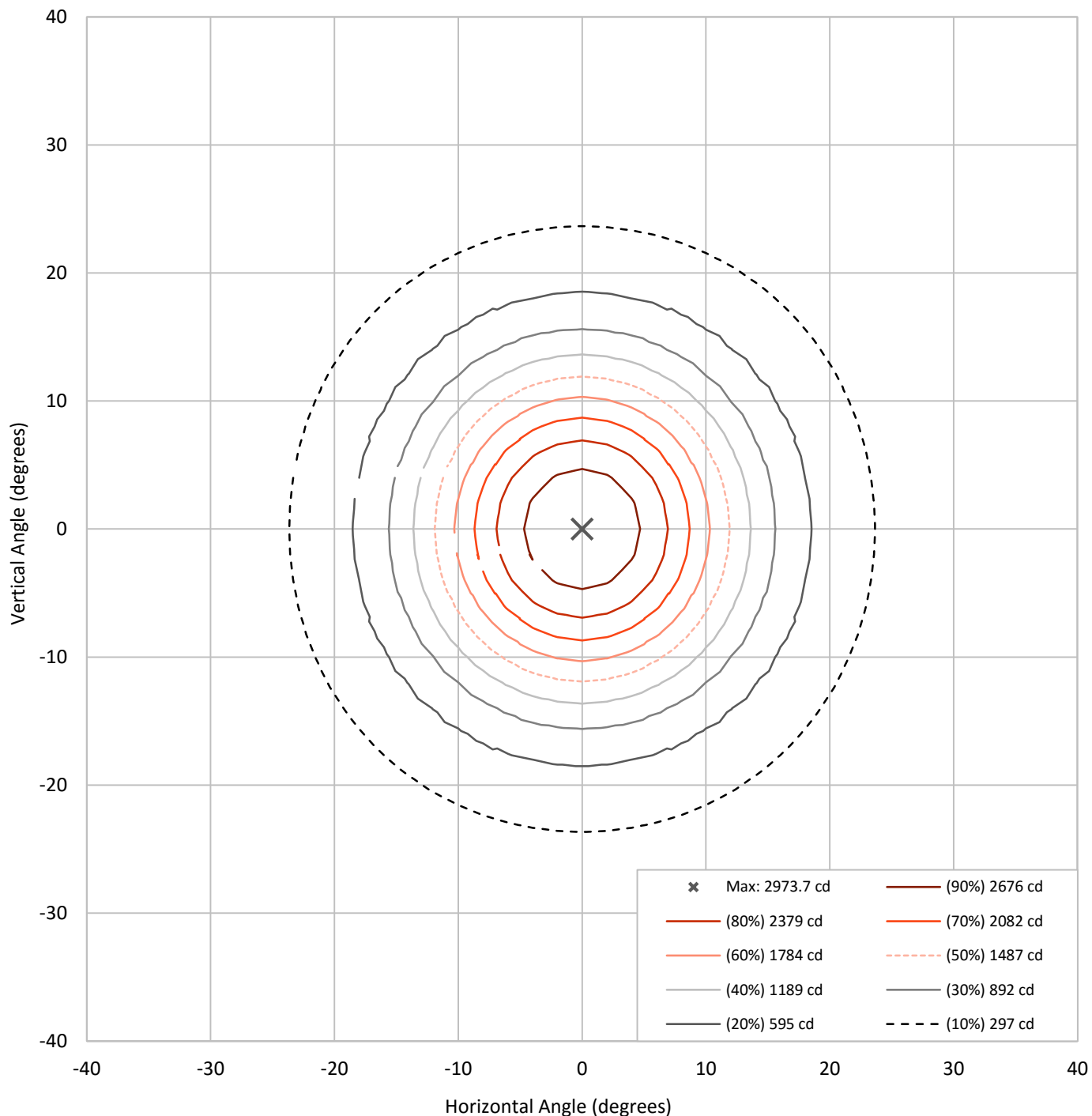
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	619.6 lumens	Max Intensity:	2973.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	63.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.8°H x 23.8°V	Field Angle (10%):	47.3°H x 47.3°V
Beam Lumens:	290.9 lumens	Field Lumens:	558.5 lumens
Beam Efficiency:	46.9%	Field Efficiency:	90.1%

Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

Iso-Candela Plot



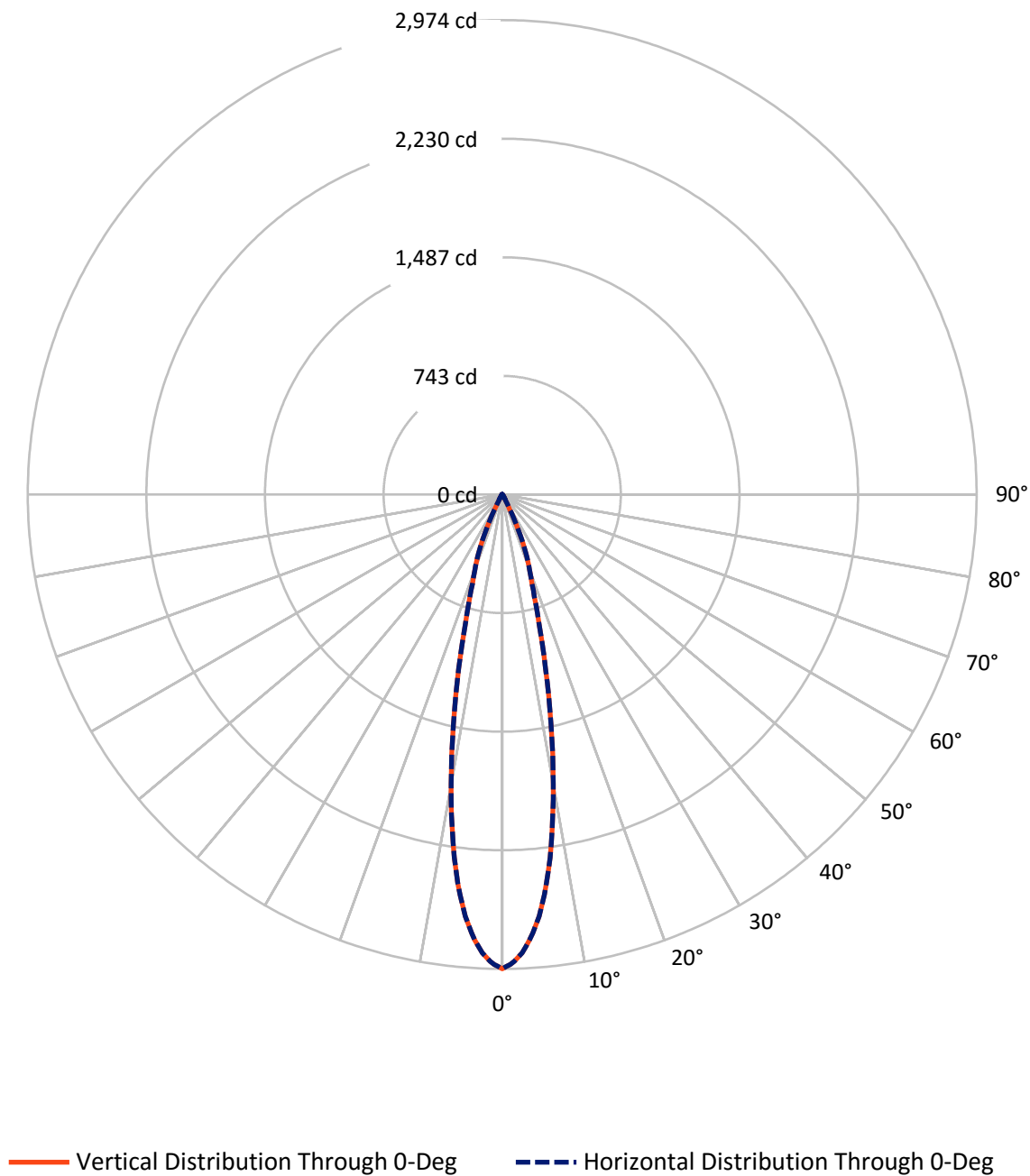
REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

Lumen Table

90																			
80	0.0	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
70																			
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0				
40	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30		0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0				
20	0.0	0.0	0.0	0.1	0.2	0.5	2.4	6.2	6.2	2.4	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
10		0.0	0.0	0.1	0.3	2.3	13.0	27.4	27.4	13.0	2.3	0.3	0.1	0.0	0.0				
0	0.0	0.0	0.1	0.1	0.4	5.7	26.7	67.0	67.0	26.7	5.7	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0
-10		0.0	0.1	0.1	0.4	5.7	26.7	67.0	67.0	26.7	5.7	0.4	0.1	0.1	0.0				
-20	0.0	0.0	0.0	0.1	0.3	2.3	13.0	27.4	27.4	13.0	2.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
-30		0.0	0.0	0.1	0.2	0.5	2.4	6.2	6.2	2.4	0.5	0.2	0.1	0.0	0.0				
-40	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
-50		0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0				
-60	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	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				
-80	0.0	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

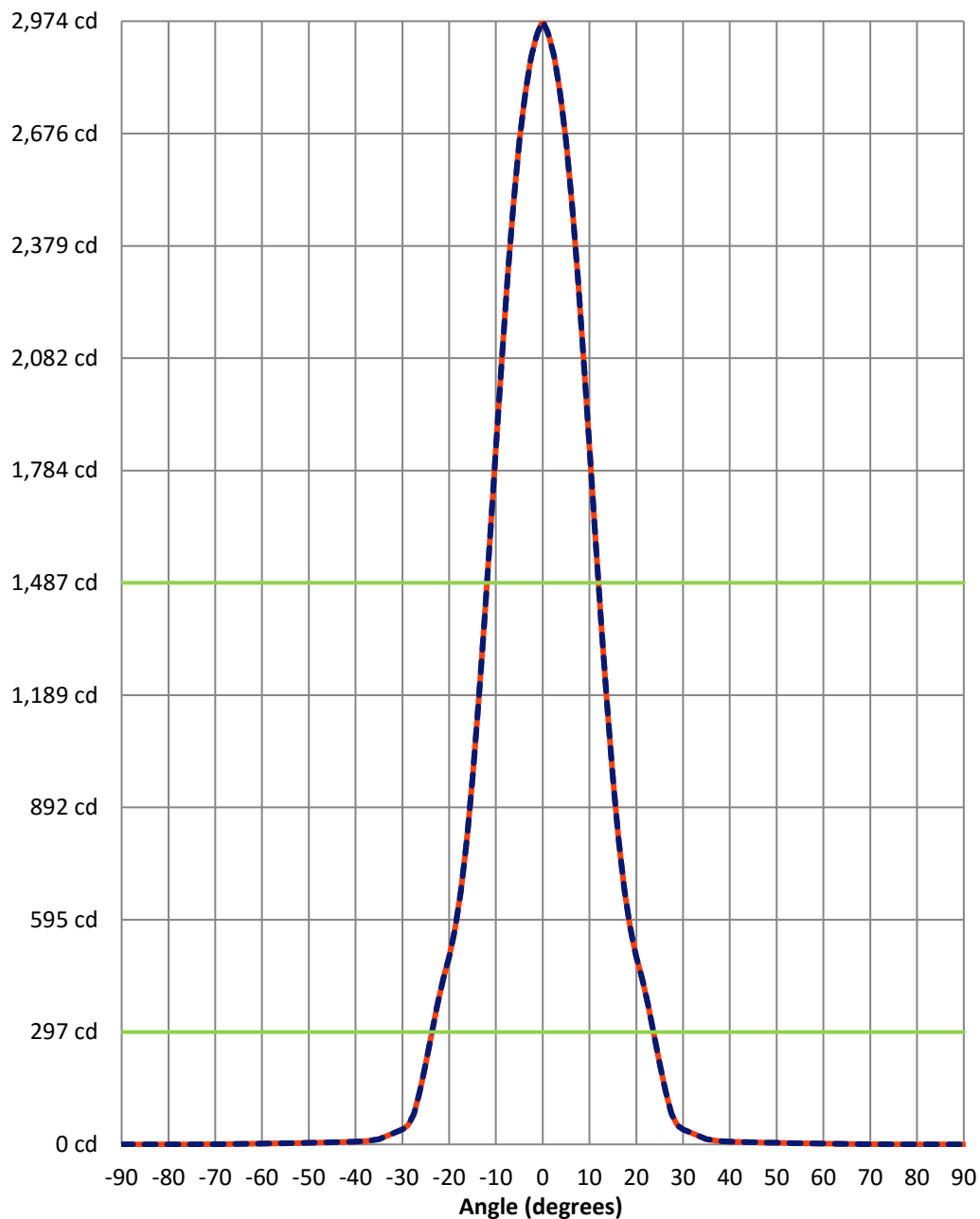
REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

Luminous Intensity Polar Plot



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

Luminous Intensity Plot



Beam:
H Angle: 23.8°
V Angle: 23.8°
Lumens: 290.9
Efficiency: 46.9%

Field:
H Angle: 47.3°
V Angle: 47.3°
Lumens: 558.5
Efficiency: 90.1%

Spill:
Lumens: 61.1
Efficiency: 9.9%

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

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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

FIELD
BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	5	5	5	6	6	6	6	7	7	7	7
32.5°	5	5	6	6	6	6	7	7	7	8	8
31.25°	5	6	6	6	6	7	7	7	8	8	9
30°	6	6	6	6	7	7	7	8	8	9	10
28.75°	6	6	6	7	7	7	8	9	9	11	12
27.5°	6	6	7	7	7	8	9	9	11	12	14
26.25°	6	7	7	7	8	9	9	11	13	15	19
25°	7	7	7	8	8	9	11	13	15	19	23
23.75°	7	7	8	8	9	11	12	15	19	24	28
22.5°	7	7	8	9	10	12	14	19	23	28	32
21.25°	7	8	9	10	12	13	18	23	27	32	37
20°	8	8	9	11	13	16	21	26	31	36	41
18.75°	8	9	10	12	14	20	25	30	35	40	47
17.5°	8	9	11	13	17	23	28	33	39	45	60
16.25°	9	10	12	15	20	26	31	37	43	55	82
15°	9	11	13	17	23	29	34	40	48	69	110
13.75°	9	12	14	20	26	31	37	44	58	92	145
12.5°	10	12	16	22	28	34	40	48	72	119	179
11.25°	11	13	18	24	30	36	43	57	91	147	213
10°	11	14	20	26	32	38	46	65	111	175	244
8.75°	12	15	21	28	34	40	51	80	133	201	273
7.5°	12	17	23	29	35	42	56	93	153	224	299
6.25°	13	18	24	30	37	44	61	105	171	245	321
5°	13	19	25	31	38	45	67	118	186	262	339
3.75°	13	19	26	32	39	47	74	128	198	275	353
2.5°	14	20	26	33	39	49	78	135	207	285	362
1.25°	14	20	27	33	39	50	81	140	212	291	368
0°	14	20	27	33	40	51	82	141	214	293	370
-1.25°	14	20	27	33	39	50	81	140	212	291	368
-2.5°	14	20	26	33	39	49	78	135	207	285	362
-3.75°	13	19	26	32	39	47	74	128	198	275	353
-5°	13	19	25	31	38	45	67	118	186	262	339
-6.25°	13	18	24	30	37	44	61	105	171	245	321
-7.5°	12	17	23	29	35	42	56	93	153	224	299
-8.75°	12	15	21	28	34	40	51	80	133	201	273
-10°	11	14	20	26	32	38	46	65	111	175	244
-11.25°	11	13	18	24	30	36	43	57	91	147	213
-12.5°	10	12	16	22	28	34	40	48	72	119	179
-13.75°	9	12	14	20	26	31	37	44	58	92	145
-15°	9	11	13	17	23	29	34	40	48	69	110
-16.25°	9	10	12	15	20	26	31	37	43	55	82
-17.5°	8	9	11	13	17	23	28	33	39	45	60
-18.75°	8	9	10	12	14	20	25	30	35	40	47
-20°	8	8	9	11	13	16	21	26	31	36	41
-21.25°	7	8	9	10	12	13	18	23	27	32	37

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	7	7	8	9	10	12	14	19	23	28	32
-23.75°	7	7	8	8	9	11	12	15	19	24	28
-25°	7	7	7	8	8	9	11	13	15	19	23
-26.25°	6	7	7	7	8	9	9	11	13	15	19
-27.5°	6	6	7	7	7	8	9	9	11	12	14
-28.75°	6	6	6	7	7	7	8	9	9	11	12
-30°	6	6	6	6	7	7	7	8	8	9	10
-31.25°	5	6	6	6	6	7	7	7	8	8	9
-32.5°	5	5	6	6	6	6	7	7	7	8	8
-33.75°	5	5	5	6	6	6	6	7	7	7	7
-35°	5	5	5	5	6	6	6	6	7	7	7
-36.25°	5	5	5	5	5	6	6	6	6	6	7
-37.5°	4	5	5	5	5	5	6	6	6	6	6
-38.75°	4	4	4	5	5	5	5	5	6	6	6
-40°	4	4	4	4	5	5	5	5	5	5	6
-41.25°	4	4	4	4	4	4	5	5	5	5	5
-42.5°	3	4	4	4	4	4	4	5	5	5	5
-43.75°	3	3	3	4	4	4	4	4	4	5	5
-45°	3	3	3	3	3	4	4	4	4	4	4
-46.25°	3	3	3	3	3	3	4	4	4	4	4
-47.5°	3	3	3	3	3	3	3	3	3	4	4
-48.75°	3	3	3	3	3	3	3	3	3	3	3
-50°	2	3	3	3	3	3	3	3	3	3	3
-51.25°	2	2	2	3	3	3	3	3	3	3	3
-52.5°	2	2	2	2	2	3	3	3	3	3	3
-53.75°	2	2	2	2	2	2	2	3	3	3	3
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	1	2	2	2	2	2	2	2	2	2	2
-58.75°	1	1	1	2	2	2	2	2	2	2	2
-60°	1	1	1	1	1	1	2	2	2	2	2
-61.25°	1	1	1	1	1	1	1	1	1	1	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	1	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	0	0	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	0	1	1
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	8	8	9	9	10	11	12	12	13	14	15
32.5°	9	9	10	11	12	13	14	16	18	20	21
31.25°	10	11	12	13	15	17	20	22	24	26	28
30°	12	13	14	17	20	23	26	28	30	32	34
28.75°	13	16	20	23	26	29	31	34	36	38	40
27.5°	18	21	25	28	31	34	37	40	43	46	51
26.25°	23	26	30	33	37	40	44	48	57	65	80
25°	27	31	35	39	43	48	58	72	91	111	133
23.75°	32	36	40	45	55	69	92	119	147	175	201
22.5°	37	41	47	60	82	110	145	179	213	244	273
21.25°	42	49	63	91	127	166	206	245	282	316	346
20°	49	64	95	136	181	226	270	312	350	384	413
18.75°	63	95	140	188	238	287	334	376	413	443	469
17.5°	91	136	188	242	295	346	393	432	465	493	524
16.25°	127	181	238	295	351	402	443	479	514	551	595
15°	166	226	287	346	402	447	486	528	575	628	688
13.75°	206	270	334	393	443	486	532	588	652	723	802
12.5°	245	312	376	432	479	528	588	661	744	837	940
11.25°	282	350	413	465	514	575	652	744	850	969	1090
10°	316	384	443	493	551	628	723	837	969	1107	1248
8.75°	346	413	469	524	595	688	802	940	1090	1248	1406
7.5°	372	436	490	552	638	747	883	1039	1208	1384	1560
6.25°	394	456	511	584	682	805	959	1131	1318	1510	1704
5°	411	470	530	611	719	860	1029	1216	1415	1623	1831
3.75°	423	482	545	635	755	907	1086	1284	1496	1717	1935
2.5°	432	490	558	655	781	942	1128	1336	1558	1786	2013
1.25°	437	495	567	667	797	963	1155	1369	1595	1829	2061
0°	439	497	569	671	802	970	1165	1380	1608	1844	2077
-1.25°	437	495	567	667	797	963	1155	1369	1595	1829	2061
-2.5°	432	490	558	655	781	942	1128	1336	1558	1786	2013
-3.75°	423	482	545	635	755	907	1086	1284	1496	1717	1935
-5°	411	470	530	611	719	860	1029	1216	1415	1623	1831
-6.25°	394	456	511	584	682	805	959	1131	1318	1510	1704
-7.5°	372	436	490	552	638	747	883	1039	1208	1384	1560
-8.75°	346	413	469	524	595	688	802	940	1090	1248	1406
-10°	316	384	443	493	551	628	723	837	969	1107	1248
-11.25°	282	350	413	465	514	575	652	744	850	969	1090
-12.5°	245	312	376	432	479	528	588	661	744	837	940
-13.75°	206	270	334	393	443	486	532	588	652	723	802
-15°	166	226	287	346	402	447	486	528	575	628	688
-16.25°	127	181	238	295	351	402	443	479	514	551	595
-17.5°	91	136	188	242	295	346	393	432	465	493	524
-18.75°	63	95	140	188	238	287	334	376	413	443	469
-20°	49	64	95	136	181	226	270	312	350	384	413
-21.25°	42	49	63	91	127	166	206	245	282	316	346

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	37	41	47	60	82	110	145	179	213	244	273
-23.75°	32	36	40	45	55	69	92	119	147	175	201
-25°	27	31	35	39	43	48	58	72	91	111	133
-26.25°	23	26	30	33	37	40	44	48	57	65	80
-27.5°	18	21	25	28	31	34	37	40	43	46	51
-28.75°	13	16	20	23	26	29	31	34	36	38	40
-30°	12	13	14	17	20	23	26	28	30	32	34
-31.25°	10	11	12	13	15	17	20	22	24	26	28
-32.5°	9	9	10	11	12	13	14	16	18	20	21
-33.75°	8	8	9	9	10	11	12	12	13	14	15
-35°	7	8	8	8	9	9	9	10	11	11	12
-36.25°	7	7	7	7	8	8	8	9	9	9	10
-37.5°	6	7	7	7	7	7	8	8	8	8	8
-38.75°	6	6	6	7	7	7	7	7	7	7	8
-40°	6	6	6	6	6	6	7	7	7	7	7
-41.25°	5	6	6	6	6	6	6	6	6	6	7
-42.5°	5	5	5	5	6	6	6	6	6	6	6
-43.75°	5	5	5	5	5	5	5	6	6	6	6
-45°	4	5	5	5	5	5	5	5	5	5	5
-46.25°	4	4	4	5	5	5	5	5	5	5	5
-47.5°	4	4	4	4	4	4	4	5	5	5	5
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	3	3	3	4	4	4	4	4	4	4	4
-51.25°	3	3	3	3	3	3	3	3	4	4	4
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	2	2	2	2	3	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	2	2	2	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	0	0	0	0	0	0	1	1	1	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	17	18	19	19	20	20	20	20	20	19	19
32.5°	23	24	25	26	26	27	27	27	26	26	25
31.25°	29	30	31	32	33	33	33	33	33	32	31
30°	35	37	38	39	39	39	40	39	39	39	38
28.75°	42	44	45	47	49	50	51	50	49	47	45
27.5°	56	61	67	74	78	81	82	81	78	74	67
26.25°	93	105	118	128	135	140	141	140	135	128	118
25°	153	171	186	198	207	212	214	212	207	198	186
23.75°	224	245	262	275	285	291	293	291	285	275	262
22.5°	299	321	339	353	362	368	370	368	362	353	339
21.25°	372	394	411	423	432	437	439	437	432	423	411
20°	436	456	470	482	490	495	497	495	490	482	470
18.75°	490	511	530	545	558	567	569	567	558	545	530
17.5°	552	584	611	635	655	667	671	667	655	635	611
16.25°	638	682	719	755	781	797	802	797	781	755	719
15°	747	805	860	907	942	963	970	963	942	907	860
13.75°	883	959	1029	1086	1128	1155	1165	1155	1128	1086	1029
12.5°	1039	1131	1216	1284	1336	1369	1380	1369	1336	1284	1216
11.25°	1208	1318	1415	1496	1558	1595	1608	1595	1558	1496	1415
10°	1384	1510	1623	1717	1786	1829	1844	1829	1786	1717	1623
8.75°	1560	1704	1831	1935	2013	2061	2077	2061	2013	1935	1831
7.5°	1732	1890	2030	2144	2229	2280	2297	2280	2229	2144	2030
6.25°	1890	2062	2213	2333	2421	2473	2492	2473	2421	2333	2213
5°	2030	2213	2370	2492	2580	2635	2655	2635	2580	2492	2370
3.75°	2144	2333	2492	2617	2707	2764	2781	2764	2707	2617	2492
2.5°	2229	2421	2580	2707	2800	2858	2877	2858	2800	2707	2580
1.25°	2280	2473	2635	2764	2858	2917	2939	2917	2858	2764	2635
0°	2297	2492	2655	2781	2877	2939	2974	2939	2877	2781	2655
-1.25°	2280	2473	2635	2764	2858	2917	2939	2917	2858	2764	2635
-2.5°	2229	2421	2580	2707	2800	2858	2877	2858	2800	2707	2580
-3.75°	2144	2333	2492	2617	2707	2764	2781	2764	2707	2617	2492
-5°	2030	2213	2370	2492	2580	2635	2655	2635	2580	2492	2370
-6.25°	1890	2062	2213	2333	2421	2473	2492	2473	2421	2333	2213
-7.5°	1732	1890	2030	2144	2229	2280	2297	2280	2229	2144	2030
-8.75°	1560	1704	1831	1935	2013	2061	2077	2061	2013	1935	1831
-10°	1384	1510	1623	1717	1786	1829	1844	1829	1786	1717	1623
-11.25°	1208	1318	1415	1496	1558	1595	1608	1595	1558	1496	1415
-12.5°	1039	1131	1216	1284	1336	1369	1380	1369	1336	1284	1216
-13.75°	883	959	1029	1086	1128	1155	1165	1155	1128	1086	1029
-15°	747	805	860	907	942	963	970	963	942	907	860
-16.25°	638	682	719	755	781	797	802	797	781	755	719
-17.5°	552	584	611	635	655	667	671	667	655	635	611
-18.75°	490	511	530	545	558	567	569	567	558	545	530
-20°	436	456	470	482	490	495	497	495	490	482	470
-21.25°	372	394	411	423	432	437	439	437	432	423	411

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	299	321	339	353	362	368	370	368	362	353	339
-23.75°	224	245	262	275	285	291	293	291	285	275	262
-25°	153	171	186	198	207	212	214	212	207	198	186
-26.25°	93	105	118	128	135	140	141	140	135	128	118
-27.5°	56	61	67	74	78	81	82	81	78	74	67
-28.75°	42	44	45	47	49	50	51	50	49	47	45
-30°	35	37	38	39	39	39	40	39	39	39	38
-31.25°	29	30	31	32	33	33	33	33	33	32	31
-32.5°	23	24	25	26	26	27	27	27	26	26	25
-33.75°	17	18	19	19	20	20	20	20	20	19	19
-35°	12	13	13	13	14	14	14	14	14	13	13
-36.25°	10	11	11	11	11	11	11	11	11	11	11
-37.5°	9	9	9	9	9	9	9	9	9	9	9
-38.75°	8	8	8	8	8	8	8	8	8	8	8
-40°	7	7	7	7	7	7	7	7	7	7	7
-41.25°	7	7	7	7	7	7	7	7	7	7	7
-42.5°	6	6	6	6	6	6	6	6	6	6	6
-43.75°	6	6	6	6	6	6	6	6	6	6	6
-45°	5	5	6	6	6	6	6	6	6	6	6
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	4	4	4	4	4	4	5	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	2	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°	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: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	18	17	15	14	13	12	12	11	10	9	9
32.5°	24	23	21	20	18	16	14	13	12	11	10
31.25°	30	29	28	26	24	22	20	17	15	13	12
30°	37	35	34	32	30	28	26	23	20	17	14
28.75°	44	42	40	38	36	34	31	29	26	23	20
27.5°	61	56	51	46	43	40	37	34	31	28	25
26.25°	105	93	80	65	57	48	44	40	37	33	30
25°	171	153	133	111	91	72	58	48	43	39	35
23.75°	245	224	201	175	147	119	92	69	55	45	40
22.5°	321	299	273	244	213	179	145	110	82	60	47
21.25°	394	372	346	316	282	245	206	166	127	91	63
20°	456	436	413	384	350	312	270	226	181	136	95
18.75°	511	490	469	443	413	376	334	287	238	188	140
17.5°	584	552	524	493	465	432	393	346	295	242	188
16.25°	682	638	595	551	514	479	443	402	351	295	238
15°	805	747	688	628	575	528	486	447	402	346	287
13.75°	959	883	802	723	652	588	532	486	443	393	334
12.5°	1131	1039	940	837	744	661	588	528	479	432	376
11.25°	1318	1208	1090	969	850	744	652	575	514	465	413
10°	1510	1384	1248	1107	969	837	723	628	551	493	443
8.75°	1704	1560	1406	1248	1090	940	802	688	595	524	469
7.5°	1890	1732	1560	1384	1208	1039	883	747	638	552	490
6.25°	2062	1890	1704	1510	1318	1131	959	805	682	584	511
5°	2213	2030	1831	1623	1415	1216	1029	860	719	611	530
3.75°	2333	2144	1935	1717	1496	1284	1086	907	755	635	545
2.5°	2421	2229	2013	1786	1558	1336	1128	942	781	655	558
1.25°	2473	2280	2061	1829	1595	1369	1155	963	797	667	567
0°	2492	2297	2077	1844	1608	1380	1165	970	802	671	569
-1.25°	2473	2280	2061	1829	1595	1369	1155	963	797	667	567
-2.5°	2421	2229	2013	1786	1558	1336	1128	942	781	655	558
-3.75°	2333	2144	1935	1717	1496	1284	1086	907	755	635	545
-5°	2213	2030	1831	1623	1415	1216	1029	860	719	611	530
-6.25°	2062	1890	1704	1510	1318	1131	959	805	682	584	511
-7.5°	1890	1732	1560	1384	1208	1039	883	747	638	552	490
-8.75°	1704	1560	1406	1248	1090	940	802	688	595	524	469
-10°	1510	1384	1248	1107	969	837	723	628	551	493	443
-11.25°	1318	1208	1090	969	850	744	652	575	514	465	413
-12.5°	1131	1039	940	837	744	661	588	528	479	432	376
-13.75°	959	883	802	723	652	588	532	486	443	393	334
-15°	805	747	688	628	575	528	486	447	402	346	287
-16.25°	682	638	595	551	514	479	443	402	351	295	238
-17.5°	584	552	524	493	465	432	393	346	295	242	188
-18.75°	511	490	469	443	413	376	334	287	238	188	140
-20°	456	436	413	384	350	312	270	226	181	136	95
-21.25°	394	372	346	316	282	245	206	166	127	91	63

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	321	299	273	244	213	179	145	110	82	60	47
-23.75°	245	224	201	175	147	119	92	69	55	45	40
-25°	171	153	133	111	91	72	58	48	43	39	35
-26.25°	105	93	80	65	57	48	44	40	37	33	30
-27.5°	61	56	51	46	43	40	37	34	31	28	25
-28.75°	44	42	40	38	36	34	31	29	26	23	20
-30°	37	35	34	32	30	28	26	23	20	17	14
-31.25°	30	29	28	26	24	22	20	17	15	13	12
-32.5°	24	23	21	20	18	16	14	13	12	11	10
-33.75°	18	17	15	14	13	12	12	11	10	9	9
-35°	13	12	12	11	11	10	9	9	9	8	8
-36.25°	11	10	10	9	9	9	8	8	8	7	7
-37.5°	9	9	8	8	8	8	8	7	7	7	7
-38.75°	8	8	8	7	7	7	7	7	7	7	6
-40°	7	7	7	7	7	7	7	6	6	6	6
-41.25°	7	7	7	6	6	6	6	6	6	6	6
-42.5°	6	6	6	6	6	6	6	6	6	5	5
-43.75°	6	6	6	6	6	6	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	4
-47.5°	5	5	5	5	5	5	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	3
-51.25°	4	4	4	4	4	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	2	2
-57.5°	3	3	3	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	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	1	1
-68.75°	1	1	1	1	1	1	1	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	8	8	7	7	7	7	6	6	6	6	5
32.5°	9	9	8	8	7	7	7	6	6	6	6
31.25°	11	10	9	8	8	7	7	7	6	6	6
30°	13	12	10	9	8	8	7	7	7	6	6
28.75°	16	13	12	11	9	9	8	7	7	7	6
27.5°	21	18	14	12	11	9	9	8	7	7	7
26.25°	26	23	19	15	13	11	9	9	8	7	7
25°	31	27	23	19	15	13	11	9	8	8	7
23.75°	36	32	28	24	19	15	12	11	9	8	8
22.5°	41	37	32	28	23	19	14	12	10	9	8
21.25°	49	42	37	32	27	23	18	13	12	10	9
20°	64	49	41	36	31	26	21	16	13	11	9
18.75°	95	63	47	40	35	30	25	20	14	12	10
17.5°	136	91	60	45	39	33	28	23	17	13	11
16.25°	181	127	82	55	43	37	31	26	20	15	12
15°	226	166	110	69	48	40	34	29	23	17	13
13.75°	270	206	145	92	58	44	37	31	26	20	14
12.5°	312	245	179	119	72	48	40	34	28	22	16
11.25°	350	282	213	147	91	57	43	36	30	24	18
10°	384	316	244	175	111	65	46	38	32	26	20
8.75°	413	346	273	201	133	80	51	40	34	28	21
7.5°	436	372	299	224	153	93	56	42	35	29	23
6.25°	456	394	321	245	171	105	61	44	37	30	24
5°	470	411	339	262	186	118	67	45	38	31	25
3.75°	482	423	353	275	198	128	74	47	39	32	26
2.5°	490	432	362	285	207	135	78	49	39	33	26
1.25°	495	437	368	291	212	140	81	50	39	33	27
0°	497	439	370	293	214	141	82	51	40	33	27
-1.25°	495	437	368	291	212	140	81	50	39	33	27
-2.5°	490	432	362	285	207	135	78	49	39	33	26
-3.75°	482	423	353	275	198	128	74	47	39	32	26
-5°	470	411	339	262	186	118	67	45	38	31	25
-6.25°	456	394	321	245	171	105	61	44	37	30	24
-7.5°	436	372	299	224	153	93	56	42	35	29	23
-8.75°	413	346	273	201	133	80	51	40	34	28	21
-10°	384	316	244	175	111	65	46	38	32	26	20
-11.25°	350	282	213	147	91	57	43	36	30	24	18
-12.5°	312	245	179	119	72	48	40	34	28	22	16
-13.75°	270	206	145	92	58	44	37	31	26	20	14
-15°	226	166	110	69	48	40	34	29	23	17	13
-16.25°	181	127	82	55	43	37	31	26	20	15	12
-17.5°	136	91	60	45	39	33	28	23	17	13	11
-18.75°	95	63	47	40	35	30	25	20	14	12	10
-20°	64	49	41	36	31	26	21	16	13	11	9
-21.25°	49	42	37	32	27	23	18	13	12	10	9

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	41	37	32	28	23	19	14	12	10	9	8
-23.75°	36	32	28	24	19	15	12	11	9	8	8
-25°	31	27	23	19	15	13	11	9	8	8	7
-26.25°	26	23	19	15	13	11	9	9	8	7	7
-27.5°	21	18	14	12	11	9	9	8	7	7	7
-28.75°	16	13	12	11	9	9	8	7	7	7	6
-30°	13	12	10	9	8	8	7	7	7	6	6
-31.25°	11	10	9	8	8	7	7	7	6	6	6
-32.5°	9	9	8	8	7	7	7	6	6	6	6
-33.75°	8	8	7	7	7	7	6	6	6	6	5
-35°	8	7	7	7	7	6	6	6	6	5	5
-36.25°	7	7	7	6	6	6	6	6	5	5	5
-37.5°	7	6	6	6	6	6	6	5	5	5	5
-38.75°	6	6	6	6	6	5	5	5	5	5	4
-40°	6	6	6	5	5	5	5	5	5	4	4
-41.25°	6	5	5	5	5	5	5	4	4	4	4
-42.5°	5	5	5	5	5	5	4	4	4	4	4
-43.75°	5	5	5	5	4	4	4	4	4	4	3
-45°	5	4	4	4	4	4	4	4	3	3	3
-46.25°	4	4	4	4	4	4	4	3	3	3	3
-47.5°	4	4	4	4	3	3	3	3	3	3	3
-48.75°	4	4	3	3	3	3	3	3	3	3	3
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	2
-52.5°	3	3	3	3	3	3	3	3	2	2	2
-53.75°	3	3	3	3	3	3	2	2	2	2	2
-55°	3	3	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	2
-58.75°	2	2	2	2	2	2	2	2	2	2	1
-60°	2	2	2	2	2	2	2	1	1	1	1
-61.25°	2	2	2	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	0	0	0
-67.5°	1	1	1	1	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P220526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)