

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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

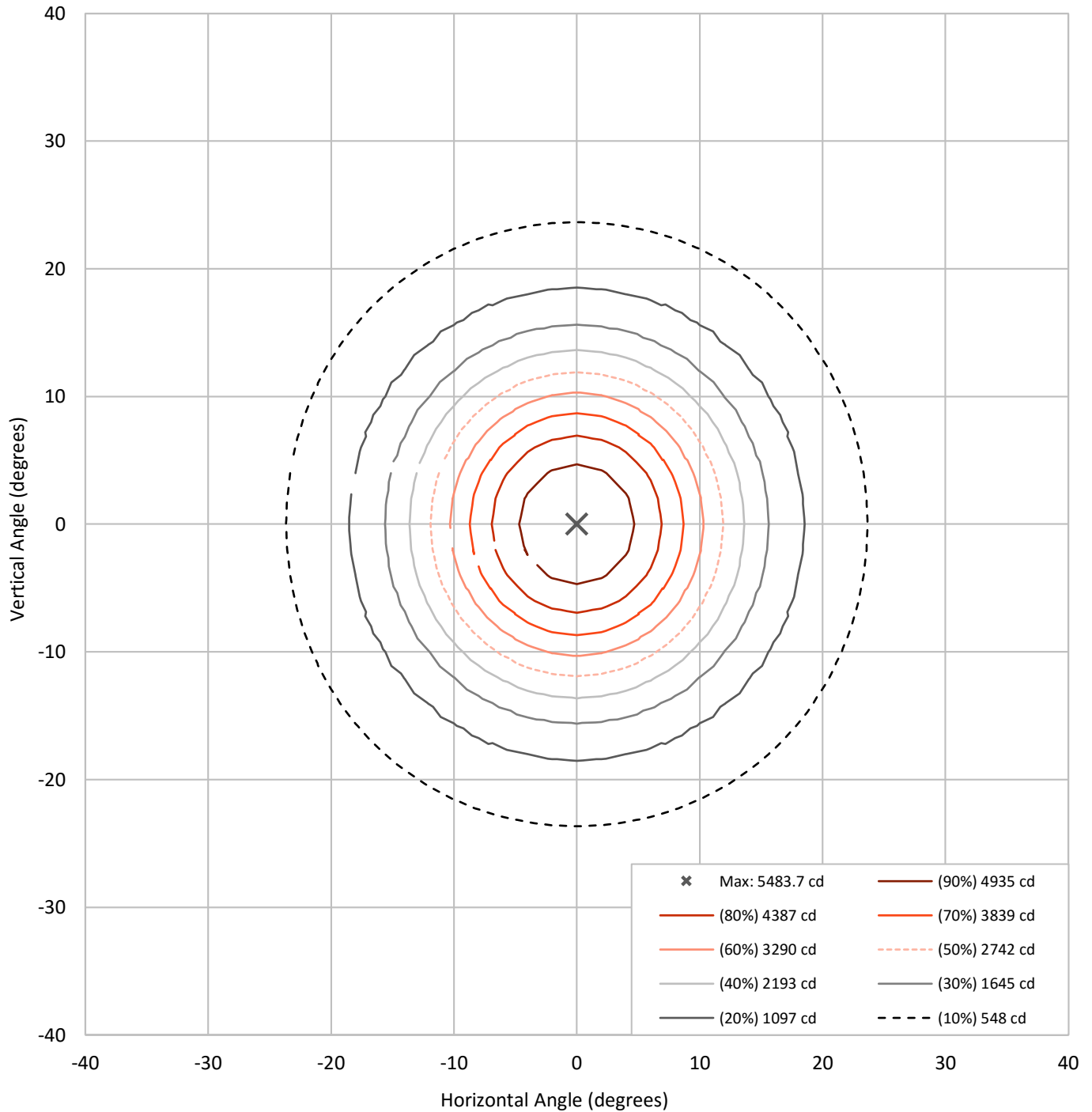
Test Method: LM-79-08
Report Number: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-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:	1142.8 lumens	Max Intensity:	5483.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.9 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:	536.4 lumens	Field Lumens:	1030 lumens
Beam Efficiency:	46.9%	Field Efficiency:	90.1%
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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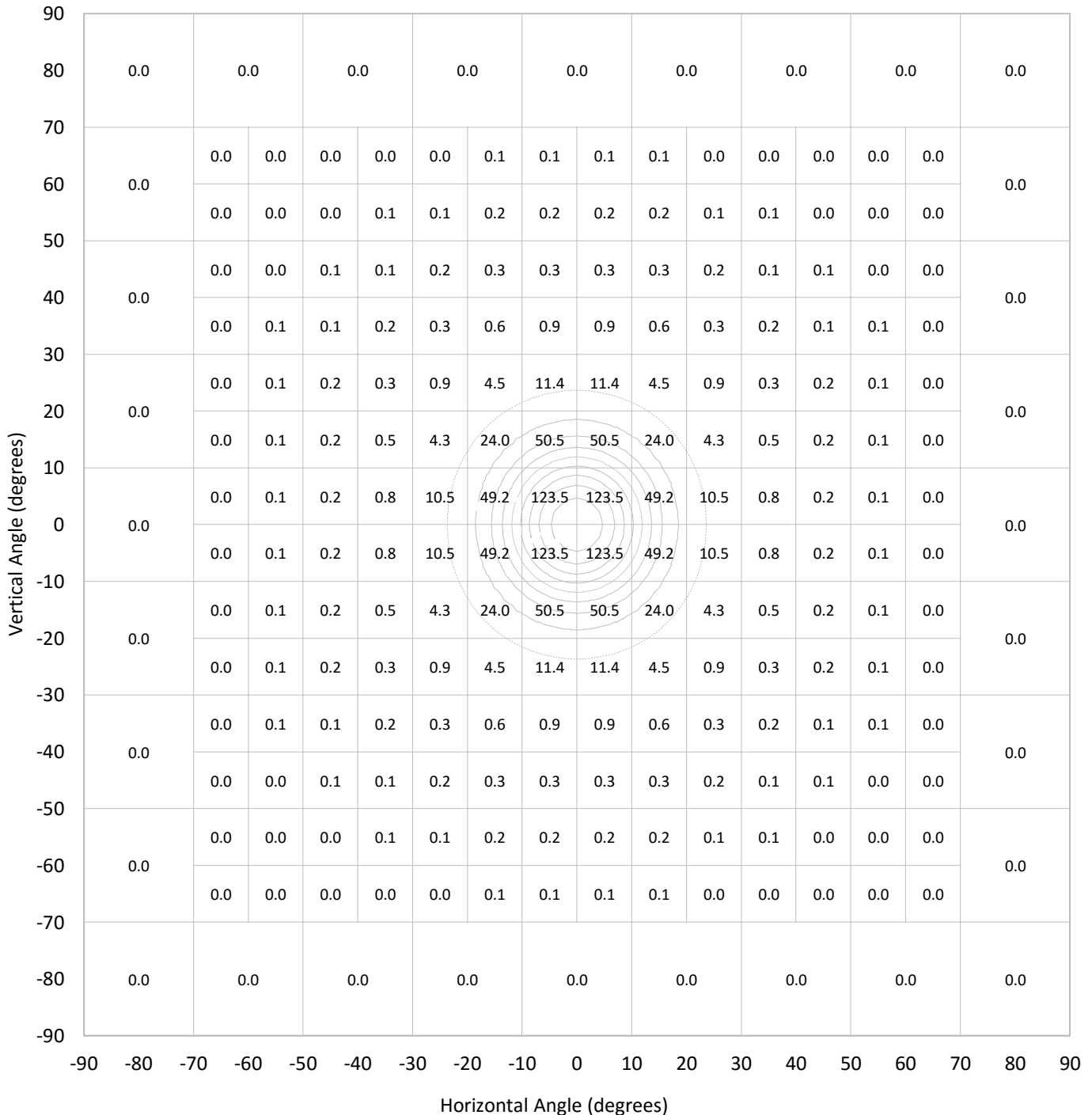
Iso-Candela Plot





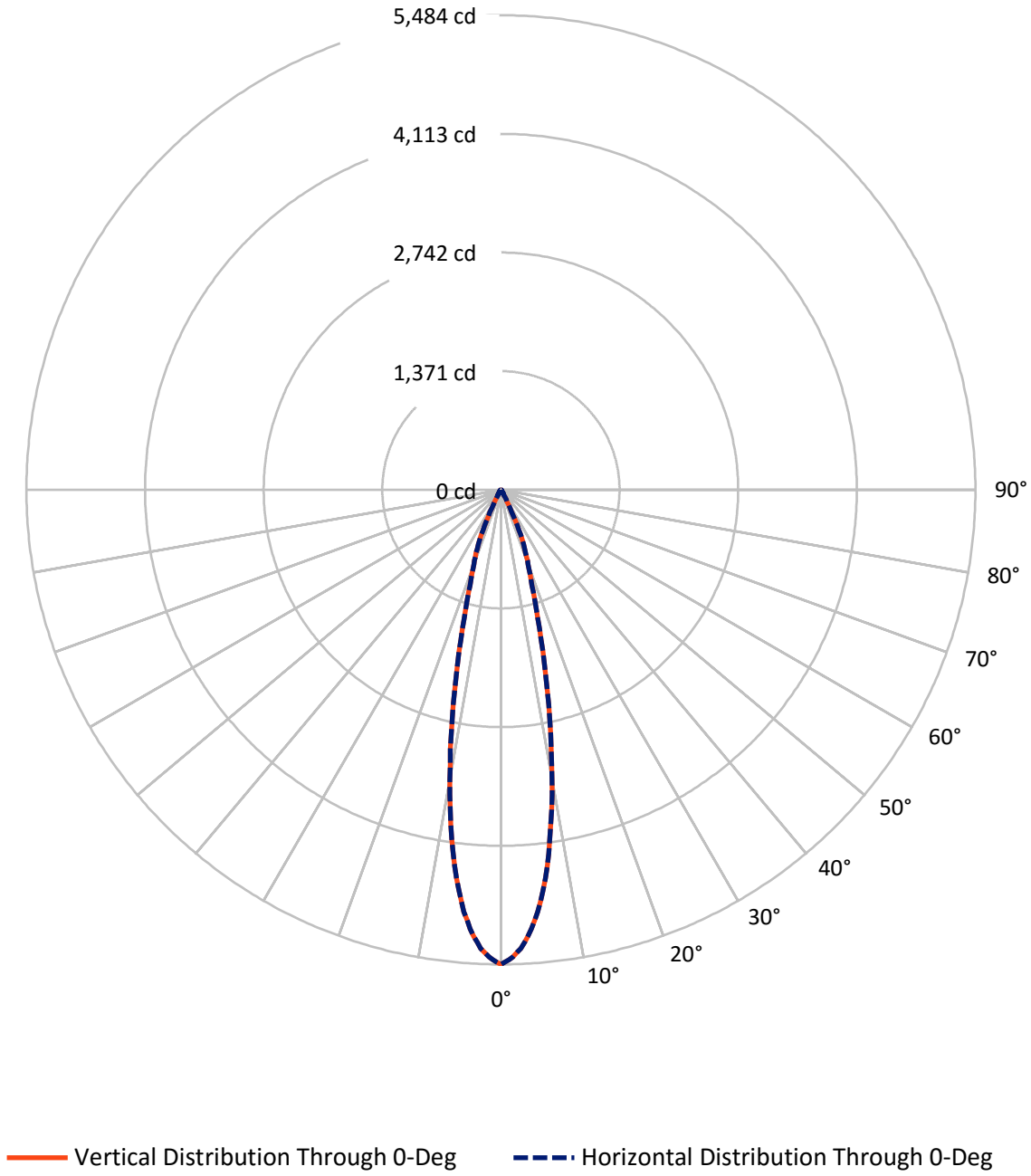
REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

Lumen Table



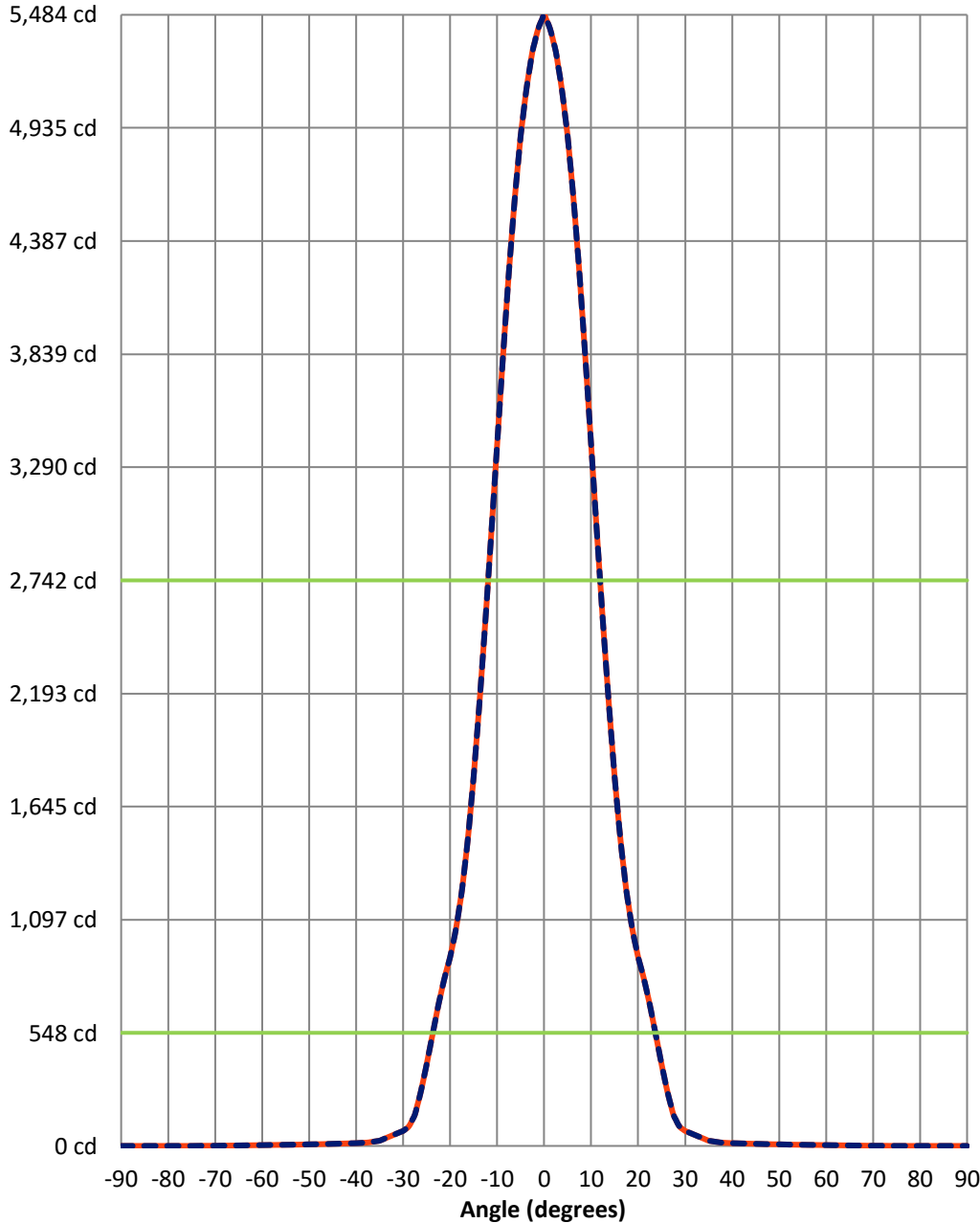
REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.8°
 V Angle: 23.8°
 Lumens: 536.4
 Efficiency: 46.9%

Field:
 H Angle: 47.3°
 V Angle: 47.3°
 Lumens: 1030
 Efficiency: 90.1%

Spill:
 Lumens: 112.8
 Efficiency: 9.9%

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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	4	4	5
32.5°	2	2	2	3	3	3	4	4	4	5	5
31.25°	2	2	2	3	3	3	4	4	4	5	5
30°	2	2	3	3	3	4	4	4	5	5	5
28.75°	2	2	3	3	3	4	4	4	5	5	5
27.5°	2	2	3	3	4	4	4	5	5	5	6
26.25°	2	3	3	3	4	4	4	5	5	5	6
25°	2	3	3	3	4	4	4	5	5	5	6
23.75°	2	3	3	3	4	4	5	5	5	6	6
22.5°	2	3	3	4	4	4	5	5	5	6	6
21.25°	3	3	3	4	4	4	5	5	5	6	6
20°	3	3	3	4	4	4	5	5	6	6	6
18.75°	3	3	3	4	4	5	5	5	6	6	6
17.5°	3	3	4	4	4	5	5	5	6	6	6
16.25°	3	3	4	4	4	5	5	5	6	6	7
15°	3	3	4	4	4	5	5	6	6	6	7
13.75°	3	3	4	4	4	5	5	6	6	6	7
12.5°	3	3	4	4	5	5	5	6	6	6	7
11.25°	3	3	4	4	5	5	5	6	6	7	7
10°	3	3	4	4	5	5	5	6	6	7	7
8.75°	3	3	4	4	5	5	5	6	6	7	8
7.5°	3	4	4	4	5	5	5	6	6	7	8
6.25°	3	4	4	4	5	5	6	6	6	7	8
5°	3	4	4	4	5	5	6	6	6	7	8
3.75°	3	4	4	4	5	5	6	6	6	7	8
2.5°	3	4	4	4	5	5	6	6	6	7	8
1.25°	3	4	4	4	5	5	6	6	6	7	8
0°	3	4	4	4	5	5	6	6	6	7	8
-1.25°	3	4	4	4	5	5	6	6	6	7	8
-2.5°	3	4	4	4	5	5	6	6	6	7	8
-3.75°	3	4	4	4	5	5	6	6	6	7	8
-5°	3	4	4	4	5	5	6	6	6	7	8
-6.25°	3	4	4	4	5	5	6	6	6	7	8
-7.5°	3	4	4	4	5	5	5	6	6	7	8
-8.75°	3	3	4	4	5	5	5	6	6	7	8
-10°	3	3	4	4	5	5	5	6	6	7	7
-11.25°	3	3	4	4	5	5	5	6	6	7	7
-12.5°	3	3	4	4	5	5	5	6	6	6	7
-13.75°	3	3	4	4	4	5	5	6	6	6	7
-15°	3	3	4	4	4	5	5	6	6	6	7
-16.25°	3	3	4	4	4	5	5	5	6	6	7
-17.5°	3	3	4	4	4	5	5	5	6	6	6
-18.75°	3	3	3	4	4	4	5	5	6	6	6
-20°	3	3	3	4	4	4	5	5	6	6	6
-21.25°	3	3	3	4	4	4	5	5	5	6	6



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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	4	4	5	5	5	6	6
-23.75°	2	3	3	3	4	4	5	5	5	6	6
-25°	2	3	3	3	4	4	4	5	5	5	6
-26.25°	2	3	3	3	4	4	4	5	5	5	6
-27.5°	2	2	3	3	4	4	4	5	5	5	6
-28.75°	2	2	3	3	3	4	4	4	5	5	5
-30°	2	2	3	3	3	4	4	4	5	5	5
-31.25°	2	2	2	3	3	3	4	4	4	5	5
-32.5°	2	2	2	3	3	3	4	4	4	5	5
-33.75°	2	2	2	3	3	3	4	4	4	4	5
-35°	2	2	2	2	3	3	3	4	4	4	5
-36.25°	1	2	2	2	3	3	3	4	4	4	4
-37.5°	1	2	2	2	2	3	3	3	4	4	4
-38.75°	1	1	2	2	2	3	3	3	3	4	4
-40°	1	1	2	2	2	2	3	3	3	4	4
-41.25°	1	1	1	2	2	2	3	3	3	3	4
-42.5°	1	1	1	2	2	2	2	3	3	3	3
-43.75°	1	1	1	1	2	2	2	2	3	3	3
-45°	1	1	1	1	2	2	2	2	3	3	3
-46.25°	1	1	1	1	1	2	2	2	2	3	3
-47.5°	1	1	1	1	1	1	2	2	2	2	3
-48.75°	1	1	1	1	1	1	2	2	2	2	2
-50°	1	1	1	1	1	1	1	2	2	2	2
-51.25°	1	1	1	1	1	1	1	1	2	2	2
-52.5°	0	1	1	1	1	1	1	1	1	2	2
-53.75°	0	0	1	1	1	1	1	1	1	1	2
-55°	0	0	1	1	1	1	1	1	1	1	1
-56.25°	0	0	0	1	1	1	1	1	1	1	1
-57.5°	0	0	0	0	1	1	1	1	1	1	1
-58.75°	0	0	0	0	0	1	1	1	1	1	1
-60°	0	0	0	0	0	0	1	1	1	1	1
-61.25°	0	0	0	0	0	0	0	0	1	1	1
-62.5°	0	0	0	0	0	0	0	0	0	1	1
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	5	5	6	6	6	6	7	8	8	8	9
32.5°	5	6	6	6	6	7	7	8	8	9	9
31.25°	5	6	6	6	7	7	8	8	8	9	9
30°	6	6	6	6	7	8	8	8	9	9	10
28.75°	6	6	6	7	7	8	8	9	9	10	10
27.5°	6	6	7	7	8	8	8	9	10	10	11
26.25°	6	6	7	7	8	8	9	9	10	11	11
25°	6	6	7	8	8	9	9	10	10	11	12
23.75°	6	7	7	8	8	9	9	10	11	11	12
22.5°	6	7	8	8	8	9	10	10	11	12	12
21.25°	7	7	8	8	9	9	10	11	11	12	13
20°	7	8	8	8	9	10	10	11	12	12	13
18.75°	7	8	8	9	9	10	11	11	12	13	13
17.5°	7	8	8	9	9	10	11	12	12	13	14
16.25°	7	8	8	9	10	10	11	12	13	13	14
15°	8	8	9	9	10	11	11	12	13	14	15
13.75°	8	8	9	9	10	11	12	12	13	14	16
12.5°	8	8	9	9	10	11	12	12	13	14	16
11.25°	8	8	9	10	10	11	12	13	13	15	16
10°	8	8	9	10	11	11	12	13	14	15	17
8.75°	8	9	9	10	11	11	12	13	14	16	18
7.5°	8	9	9	10	11	12	12	13	14	16	19
6.25°	8	9	9	10	11	12	12	13	15	16	19
5°	8	9	9	10	11	12	13	13	15	16	20
3.75°	8	9	9	10	11	12	13	13	15	16	20
2.5°	8	9	9	10	11	12	13	13	15	17	21
1.25°	8	9	9	10	11	12	13	13	15	17	21
0°	8	9	9	10	11	12	13	14	15	17	21
-1.25°	8	9	9	10	11	12	13	13	15	17	21
-2.5°	8	9	9	10	11	12	13	13	15	17	21
-3.75°	8	9	9	10	11	12	13	13	15	16	20
-5°	8	9	9	10	11	12	13	13	15	16	20
-6.25°	8	9	9	10	11	12	12	13	15	16	19
-7.5°	8	9	9	10	11	12	12	13	14	16	19
-8.75°	8	9	9	10	11	11	12	13	14	16	18
-10°	8	8	9	10	11	11	12	13	14	15	17
-11.25°	8	8	9	10	10	11	12	13	13	15	16
-12.5°	8	8	9	9	10	11	12	12	13	14	16
-13.75°	8	8	9	9	10	11	12	12	13	14	16
-15°	8	8	9	9	10	11	11	12	13	14	15
-16.25°	7	8	8	9	10	10	11	12	13	13	14
-17.5°	7	8	8	9	9	10	11	12	12	13	14
-18.75°	7	8	8	9	9	10	11	11	12	13	13
-20°	7	8	8	8	9	10	10	11	12	12	13
-21.25°	7	7	8	8	9	9	10	11	11	12	13



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	2	2	2	2
63.75°	1	1	1	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	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	3	3	4
57.5°	3	3	3	3	3	3	4	4	4	4	4
56.25°	3	3	3	3	4	4	4	4	4	4	4
55°	3	4	4	4	4	4	4	4	4	5	5
53.75°	4	4	4	4	4	4	5	5	5	5	5
52.5°	4	4	4	4	5	5	5	5	5	5	5
51.25°	4	4	5	5	5	5	5	5	5	6	6
50°	5	5	5	5	5	5	6	6	6	6	6
48.75°	5	5	5	5	6	6	6	6	6	6	6
47.5°	5	5	6	6	6	6	6	6	6	7	7
46.25°	5	6	6	6	6	6	7	7	7	7	8
45°	6	6	6	6	6	7	7	7	8	8	8
43.75°	6	6	6	7	7	7	8	8	8	8	8
42.5°	6	6	7	7	8	8	8	8	9	9	9
41.25°	7	7	7	8	8	8	8	9	9	9	10
40°	7	8	8	8	8	9	9	9	10	10	10
38.75°	8	8	8	8	9	9	10	10	10	11	11
37.5°	8	8	9	9	9	10	10	11	11	11	12
36.25°	8	9	9	9	10	10	11	11	12	12	12
35°	9	9	9	10	10	11	11	12	12	13	13



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	9	9	10	10	11	11	12	12	13	13	14
32.5°	9	10	11	11	12	12	12	13	13	14	15
31.25°	10	10	11	12	12	13	13	14	15	15	16
30°	10	11	12	12	13	13	14	15	16	17	19
28.75°	11	11	12	13	13	14	15	16	17	20	22
27.5°	11	12	12	13	14	15	16	17	20	23	26
26.25°	12	12	13	14	15	16	17	20	23	27	34
25°	12	13	13	15	16	17	20	23	28	35	43
23.75°	13	13	14	15	17	20	23	27	35	44	51
22.5°	13	14	15	16	19	22	26	34	43	51	60
21.25°	13	15	16	18	21	25	33	42	51	59	68
20°	14	15	17	20	24	30	39	49	58	67	76
18.75°	15	16	18	22	26	36	46	55	65	74	86
17.5°	15	17	20	24	32	42	52	62	71	83	110
16.25°	16	18	22	27	37	47	58	68	79	101	151
15°	16	20	24	32	42	53	63	73	89	127	204
13.75°	17	21	25	36	47	58	68	80	107	170	267
12.5°	19	23	29	40	51	62	73	89	133	219	331
11.25°	20	24	33	44	55	66	79	105	168	271	392
10°	21	25	36	48	59	70	84	120	205	323	451
8.75°	22	28	39	51	62	74	93	147	246	370	504
7.5°	23	30	42	53	65	78	104	171	282	413	551
6.25°	24	32	44	56	67	81	113	193	315	451	591
5°	24	34	46	58	69	84	123	217	344	483	625
3.75°	25	36	47	59	71	86	136	236	366	507	650
2.5°	25	37	48	60	72	90	145	249	382	525	668
1.25°	25	37	49	61	73	93	150	257	392	536	679
0°	25	37	49	61	73	93	150	257	392	536	679
-1.25°	25	37	49	61	73	93	150	257	392	536	679
-2.5°	25	37	48	60	72	90	145	249	382	525	668
-3.75°	25	36	47	59	71	86	136	236	366	507	650
-5°	24	34	46	58	69	84	123	217	344	483	625
-6.25°	24	32	44	56	67	81	113	193	315	451	591
-7.5°	23	30	42	53	65	78	104	171	282	413	551
-8.75°	22	28	39	51	62	74	93	147	246	370	504
-10°	21	25	36	48	59	70	84	120	205	323	451
-11.25°	20	24	33	44	55	66	79	105	168	271	392
-12.5°	19	23	29	40	51	62	73	89	133	219	331
-13.75°	17	21	25	36	47	58	68	80	107	170	267
-15°	16	20	24	32	42	53	63	73	89	127	204
-16.25°	16	18	22	27	37	47	58	68	79	101	151
-17.5°	15	17	20	24	32	42	52	62	71	83	110
-18.75°	15	16	18	22	26	36	46	55	65	74	86
-20°	14	15	17	20	24	30	39	49	58	67	76
-21.25°	13	15	16	18	21	25	33	42	51	59	68



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	13	14	15	16	19	22	26	34	43	51	60
-23.75°	13	13	14	15	17	20	23	27	35	44	51
-25°	12	13	13	15	16	17	20	23	28	35	43
-26.25°	12	12	13	14	15	16	17	20	23	27	34
-27.5°	11	12	12	13	14	15	16	17	20	23	26
-28.75°	11	11	12	13	13	14	15	16	17	20	22
-30°	10	11	12	12	13	13	14	15	16	17	19
-31.25°	10	10	11	12	12	13	13	14	15	15	16
-32.5°	9	10	11	11	12	12	12	13	13	14	15
-33.75°	9	9	10	10	11	11	12	12	13	13	14
-35°	9	9	9	10	10	11	11	12	12	13	13
-36.25°	8	9	9	9	10	10	11	11	12	12	12
-37.5°	8	8	9	9	9	10	10	11	11	11	12
-38.75°	8	8	8	8	9	9	10	10	10	11	11
-40°	7	8	8	8	8	9	9	9	10	10	10
-41.25°	7	7	7	8	8	8	8	9	9	9	10
-42.5°	6	6	7	7	8	8	8	8	9	9	9
-43.75°	6	6	6	7	7	7	8	8	8	8	8
-45°	6	6	6	6	6	7	7	7	8	8	8
-46.25°	5	6	6	6	6	6	7	7	7	7	8
-47.5°	5	5	6	6	6	6	6	6	6	7	7
-48.75°	5	5	5	5	6	6	6	6	6	6	6
-50°	5	5	5	5	5	5	6	6	6	6	6
-51.25°	4	4	5	5	5	5	5	5	5	6	6
-52.5°	4	4	4	4	5	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	5	5	5	5	5
-55°	3	4	4	4	4	4	4	4	4	5	5
-56.25°	3	3	3	3	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	3	4	4	4	4	4
-58.75°	2	3	3	3	3	3	3	3	3	3	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°	1	1	1	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	1	1	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	15	15	16	17	18	20	21	23	24	25	28
32.5°	16	17	18	20	22	24	25	29	33	36	39
31.25°	18	20	22	24	27	32	36	40	44	48	51
30°	21	24	26	32	37	42	47	51	55	59	62
28.75°	25	30	36	42	47	53	58	62	66	70	74
27.5°	33	39	46	52	58	63	68	73	79	84	93
26.25°	42	49	55	62	68	73	80	89	105	120	147
25°	51	58	65	71	79	89	107	133	168	205	246
23.75°	59	67	74	83	101	127	170	219	271	323	370
22.5°	68	76	86	110	151	204	267	331	392	451	504
21.25°	77	90	116	168	233	306	380	452	520	582	638
20°	90	118	176	252	333	416	498	575	646	709	762
18.75°	116	176	258	347	439	529	615	693	761	818	864
17.5°	168	252	347	447	545	639	725	796	857	909	966
16.25°	233	333	439	545	647	741	818	883	948	1016	1097
15°	306	416	529	639	741	825	896	973	1061	1157	1268
13.75°	380	498	615	725	818	896	981	1084	1203	1333	1479
12.5°	452	575	693	796	883	973	1084	1218	1373	1543	1733
11.25°	520	646	761	857	948	1061	1203	1373	1568	1787	2009
10°	582	709	818	909	1016	1157	1333	1543	1787	2041	2301
8.75°	638	762	864	966	1097	1268	1479	1733	2009	2301	2593
7.5°	686	804	904	1017	1176	1378	1628	1917	2228	2552	2878
6.25°	727	840	943	1077	1257	1485	1769	2085	2430	2784	3143
5°	758	867	978	1127	1326	1585	1898	2242	2610	2994	3376
3.75°	780	888	1006	1171	1392	1673	2002	2368	2758	3166	3568
2.5°	797	903	1029	1207	1440	1737	2079	2465	2872	3294	3712
1.25°	806	913	1045	1229	1470	1777	2131	2524	2942	3373	3800
0°	810	916	1050	1237	1479	1790	2148	2544	2966	3400	3830
-1.25°	806	913	1045	1229	1470	1777	2131	2524	2942	3373	3800
-2.5°	797	903	1029	1207	1440	1737	2079	2465	2872	3294	3712
-3.75°	780	888	1006	1171	1392	1673	2002	2368	2758	3166	3568
-5°	758	867	978	1127	1326	1585	1898	2242	2610	2994	3376
-6.25°	727	840	943	1077	1257	1485	1769	2085	2430	2784	3143
-7.5°	686	804	904	1017	1176	1378	1628	1917	2228	2552	2878
-8.75°	638	762	864	966	1097	1268	1479	1733	2009	2301	2593
-10°	582	709	818	909	1016	1157	1333	1543	1787	2041	2301
-11.25°	520	646	761	857	948	1061	1203	1373	1568	1787	2009
-12.5°	452	575	693	796	883	973	1084	1218	1373	1543	1733
-13.75°	380	498	615	725	818	896	981	1084	1203	1333	1479
-15°	306	416	529	639	741	825	896	973	1061	1157	1268
-16.25°	233	333	439	545	647	741	818	883	948	1016	1097
-17.5°	168	252	347	447	545	639	725	796	857	909	966
-18.75°	116	176	258	347	439	529	615	693	761	818	864
-20°	90	118	176	252	333	416	498	575	646	709	762
-21.25°	77	90	116	168	233	306	380	452	520	582	638



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	68	76	86	110	151	204	267	331	392	451	504
-23.75°	59	67	74	83	101	127	170	219	271	323	370
-25°	51	58	65	71	79	89	107	133	168	205	246
-26.25°	42	49	55	62	68	73	80	89	105	120	147
-27.5°	33	39	46	52	58	63	68	73	79	84	93
-28.75°	25	30	36	42	47	53	58	62	66	70	74
-30°	21	24	26	32	37	42	47	51	55	59	62
-31.25°	18	20	22	24	27	32	36	40	44	48	51
-32.5°	16	17	18	20	22	24	25	29	33	36	39
-33.75°	15	15	16	17	18	20	21	23	24	25	28
-35°	13	14	15	15	16	16	17	19	20	21	22
-36.25°	13	13	13	14	14	15	16	16	16	17	18
-37.5°	12	12	13	13	13	14	14	14	15	15	16
-38.75°	11	12	12	12	13	13	13	13	13	14	14
-40°	11	11	11	12	12	12	12	12	13	13	13
-41.25°	10	10	11	11	11	11	12	12	12	12	12
-42.5°	9	10	10	10	10	11	11	11	11	11	11
-43.75°	9	9	9	9	10	10	10	10	10	11	11
-45°	8	8	9	9	9	9	9	9	10	10	10
-46.25°	8	8	8	8	8	9	9	9	9	9	9
-47.5°	7	8	8	8	8	8	8	8	8	8	9
-48.75°	7	7	7	7	7	8	8	8	8	8	8
-50°	6	6	6	6	7	7	7	7	7	7	8
-51.25°	6	6	6	6	6	6	6	6	7	7	7
-52.5°	5	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	6	6	6	6	6	6
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	4	4	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	4	4	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	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°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	5	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	7	7	7	7	7	7	7	7	7	7	7
50°	8	8	8	8	8	8	8	8	8	8	8
48.75°	8	8	8	8	8	8	8	8	8	8	8
47.5°	9	9	9	9	9	9	9	9	9	9	9
46.25°	9	9	9	9	9	9	9	9	9	9	9
45°	10	10	10	10	10	10	10	10	10	10	10
43.75°	11	11	11	11	11	11	11	11	11	11	11
42.5°	12	12	12	12	12	12	12	12	12	12	12
41.25°	12	12	13	13	13	13	13	13	13	13	13
40°	13	13	13	13	13	13	14	13	13	13	13
38.75°	14	15	15	15	15	15	15	15	15	15	15
37.5°	16	16	16	16	17	17	17	17	17	16	16
36.25°	19	19	20	20	21	21	21	21	21	20	20
35°	23	24	24	25	25	25	25	25	25	25	24



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	30	32	34	36	37	37	37	37	37	36	34
32.5°	42	44	46	47	48	49	49	49	48	47	46
31.25°	53	56	58	59	60	61	61	61	60	59	58
30°	65	67	69	71	72	73	73	73	72	71	69
28.75°	78	81	84	86	90	93	94	93	90	86	84
27.5°	104	113	123	136	145	150	152	150	145	136	123
26.25°	171	193	217	236	249	257	260	257	249	236	217
25°	282	315	344	366	382	392	395	392	382	366	344
23.75°	413	451	483	507	525	536	540	536	525	507	483
22.5°	551	591	625	650	668	679	683	679	668	650	625
21.25°	686	727	758	780	797	806	810	806	797	780	758
20°	804	840	867	888	903	913	916	913	903	888	867
18.75°	904	943	978	1006	1029	1045	1050	1045	1029	1006	978
17.5°	1017	1077	1127	1171	1207	1229	1237	1229	1207	1171	1127
16.25°	1176	1257	1326	1392	1440	1470	1479	1470	1440	1392	1326
15°	1378	1485	1585	1673	1737	1777	1790	1777	1737	1673	1585
13.75°	1628	1769	1898	2002	2079	2131	2148	2131	2079	2002	1898
12.5°	1917	2085	2242	2368	2465	2524	2544	2524	2465	2368	2242
11.25°	2228	2430	2610	2758	2872	2942	2966	2942	2872	2758	2610
10°	2552	2784	2994	3166	3294	3373	3400	3373	3294	3166	2994
8.75°	2878	3143	3376	3568	3712	3800	3830	3800	3712	3568	3376
7.5°	3194	3486	3744	3953	4111	4204	4236	4204	4111	3953	3744
6.25°	3486	3803	4082	4302	4464	4561	4595	4561	4464	4302	4082
5°	3744	4082	4370	4596	4759	4860	4895	4860	4759	4596	4370
3.75°	3953	4302	4596	4825	4991	5097	5129	5097	4991	4825	4596
2.5°	4111	4464	4759	4991	5163	5271	5305	5271	5163	4991	4759
1.25°	4204	4561	4860	5097	5271	5380	5420	5380	5271	5097	4860
0°	4236	4595	4895	5129	5305	5420	5484	5420	5305	5129	4895
-1.25°	4204	4561	4860	5097	5271	5380	5420	5380	5271	5097	4860
-2.5°	4111	4464	4759	4991	5163	5271	5305	5271	5163	4991	4759
-3.75°	3953	4302	4596	4825	4991	5097	5129	5097	4991	4825	4596
-5°	3744	4082	4370	4596	4759	4860	4895	4860	4759	4596	4370
-6.25°	3486	3803	4082	4302	4464	4561	4595	4561	4464	4302	4082
-7.5°	3194	3486	3744	3953	4111	4204	4236	4204	4111	3953	3744
-8.75°	2878	3143	3376	3568	3712	3800	3830	3800	3712	3568	3376
-10°	2552	2784	2994	3166	3294	3373	3400	3373	3294	3166	2994
-11.25°	2228	2430	2610	2758	2872	2942	2966	2942	2872	2758	2610
-12.5°	1917	2085	2242	2368	2465	2524	2544	2524	2465	2368	2242
-13.75°	1628	1769	1898	2002	2079	2131	2148	2131	2079	2002	1898
-15°	1378	1485	1585	1673	1737	1777	1790	1777	1737	1673	1585
-16.25°	1176	1257	1326	1392	1440	1470	1479	1470	1440	1392	1326
-17.5°	1017	1077	1127	1171	1207	1229	1237	1229	1207	1171	1127
-18.75°	904	943	978	1006	1029	1045	1050	1045	1029	1006	978
-20°	804	840	867	888	903	913	916	913	903	888	867
-21.25°	686	727	758	780	797	806	810	806	797	780	758



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	551	591	625	650	668	679	683	679	668	650	625
-23.75°	413	451	483	507	525	536	540	536	525	507	483
-25°	282	315	344	366	382	392	395	392	382	366	344
-26.25°	171	193	217	236	249	257	260	257	249	236	217
-27.5°	104	113	123	136	145	150	152	150	145	136	123
-28.75°	78	81	84	86	90	93	94	93	90	86	84
-30°	65	67	69	71	72	73	73	73	72	71	69
-31.25°	53	56	58	59	60	61	61	61	60	59	58
-32.5°	42	44	46	47	48	49	49	49	48	47	46
-33.75°	30	32	34	36	37	37	37	37	37	36	34
-35°	23	24	24	25	25	25	25	25	25	25	24
-36.25°	19	19	20	20	21	21	21	21	21	20	20
-37.5°	16	16	16	16	17	17	17	17	17	16	16
-38.75°	14	15	15	15	15	15	15	15	15	15	15
-40°	13	13	13	13	13	13	14	13	13	13	13
-41.25°	12	12	13	13	13	13	13	13	13	13	13
-42.5°	12	12	12	12	12	12	12	12	12	12	12
-43.75°	11	11	11	11	11	11	11	11	11	11	11
-45°	10	10	10	10	10	10	10	10	10	10	10
-46.25°	9	9	9	9	9	9	9	9	9	9	9
-47.5°	9	9	9	9	9	9	9	9	9	9	9
-48.75°	8	8	8	8	8	8	8	8	8	8	8
-50°	8	8	8	8	8	8	8	8	8	8	8
-51.25°	7	7	7	7	7	7	7	7	7	7	7
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	6	6	6
-55°	5	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-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	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	0
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	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	3	3	3	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	4	4	4	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	4	4	4	4	4
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	6	5	5	5	5	5	5	5	5	5	5
53.75°	6	6	6	6	6	6	6	6	5	5	5
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	7	7	7	7	7	6	6	6	6	6	6
50°	8	8	8	7	7	7	7	7	7	6	6
48.75°	8	8	8	8	8	8	8	8	7	7	7
47.5°	9	9	9	8	8	8	8	8	8	8	8
46.25°	9	9	9	9	9	9	9	9	8	8	8
45°	10	10	10	10	10	9	9	9	9	9	9
43.75°	11	11	11	11	10	10	10	10	10	9	9
42.5°	12	12	11	11	11	11	11	11	10	10	10
41.25°	12	12	12	12	12	12	12	11	11	11	11
40°	13	13	13	13	13	12	12	12	12	12	11
38.75°	15	14	14	14	13	13	13	13	13	12	12
37.5°	16	16	16	15	15	14	14	14	13	13	13
36.25°	19	19	18	17	16	16	16	15	14	14	13
35°	24	23	22	21	20	19	17	16	16	15	15



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	32	30	28	25	24	23	21	20	18	17	16
32.5°	44	42	39	36	33	29	25	24	22	20	18
31.25°	56	53	51	48	44	40	36	32	27	24	22
30°	67	65	62	59	55	51	47	42	37	32	26
28.75°	81	78	74	70	66	62	58	53	47	42	36
27.5°	113	104	93	84	79	73	68	63	58	52	46
26.25°	193	171	147	120	105	89	80	73	68	62	55
25°	315	282	246	205	168	133	107	89	79	71	65
23.75°	451	413	370	323	271	219	170	127	101	83	74
22.5°	591	551	504	451	392	331	267	204	151	110	86
21.25°	727	686	638	582	520	452	380	306	233	168	116
20°	840	804	762	709	646	575	498	416	333	252	176
18.75°	943	904	864	818	761	693	615	529	439	347	258
17.5°	1077	1017	966	909	857	796	725	639	545	447	347
16.25°	1257	1176	1097	1016	948	883	818	741	647	545	439
15°	1485	1378	1268	1157	1061	973	896	825	741	639	529
13.75°	1769	1628	1479	1333	1203	1084	981	896	818	725	615
12.5°	2085	1917	1733	1543	1373	1218	1084	973	883	796	693
11.25°	2430	2228	2009	1787	1568	1373	1203	1061	948	857	761
10°	2784	2552	2301	2041	1787	1543	1333	1157	1016	909	818
8.75°	3143	2878	2593	2301	2009	1733	1479	1268	1097	966	864
7.5°	3486	3194	2878	2552	2228	1917	1628	1378	1176	1017	904
6.25°	3803	3486	3143	2784	2430	2085	1769	1485	1257	1077	943
5°	4082	3744	3376	2994	2610	2242	1898	1585	1326	1127	978
3.75°	4302	3953	3568	3166	2758	2368	2002	1673	1392	1171	1006
2.5°	4464	4111	3712	3294	2872	2465	2079	1737	1440	1207	1029
1.25°	4561	4204	3800	3373	2942	2524	2131	1777	1470	1229	1045
0°	4595	4236	3830	3400	2966	2544	2148	1790	1479	1237	1050
-1.25°	4561	4204	3800	3373	2942	2524	2131	1777	1470	1229	1045
-2.5°	4464	4111	3712	3294	2872	2465	2079	1737	1440	1207	1029
-3.75°	4302	3953	3568	3166	2758	2368	2002	1673	1392	1171	1006
-5°	4082	3744	3376	2994	2610	2242	1898	1585	1326	1127	978
-6.25°	3803	3486	3143	2784	2430	2085	1769	1485	1257	1077	943
-7.5°	3486	3194	2878	2552	2228	1917	1628	1378	1176	1017	904
-8.75°	3143	2878	2593	2301	2009	1733	1479	1268	1097	966	864
-10°	2784	2552	2301	2041	1787	1543	1333	1157	1016	909	818
-11.25°	2430	2228	2009	1787	1568	1373	1203	1061	948	857	761
-12.5°	2085	1917	1733	1543	1373	1218	1084	973	883	796	693
-13.75°	1769	1628	1479	1333	1203	1084	981	896	818	725	615
-15°	1485	1378	1268	1157	1061	973	896	825	741	639	529
-16.25°	1257	1176	1097	1016	948	883	818	741	647	545	439
-17.5°	1077	1017	966	909	857	796	725	639	545	447	347
-18.75°	943	904	864	818	761	693	615	529	439	347	258
-20°	840	804	762	709	646	575	498	416	333	252	176
-21.25°	727	686	638	582	520	452	380	306	233	168	116



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	591	551	504	451	392	331	267	204	151	110	86
-23.75°	451	413	370	323	271	219	170	127	101	83	74
-25°	315	282	246	205	168	133	107	89	79	71	65
-26.25°	193	171	147	120	105	89	80	73	68	62	55
-27.5°	113	104	93	84	79	73	68	63	58	52	46
-28.75°	81	78	74	70	66	62	58	53	47	42	36
-30°	67	65	62	59	55	51	47	42	37	32	26
-31.25°	56	53	51	48	44	40	36	32	27	24	22
-32.5°	44	42	39	36	33	29	25	24	22	20	18
-33.75°	32	30	28	25	24	23	21	20	18	17	16
-35°	24	23	22	21	20	19	17	16	16	15	15
-36.25°	19	19	18	17	16	16	16	15	14	14	13
-37.5°	16	16	16	15	15	14	14	14	13	13	13
-38.75°	15	14	14	14	13	13	13	13	13	12	12
-40°	13	13	13	13	13	12	12	12	12	12	11
-41.25°	12	12	12	12	12	12	12	11	11	11	11
-42.5°	12	12	11	11	11	11	11	11	10	10	10
-43.75°	11	11	11	11	10	10	10	10	10	9	9
-45°	10	10	10	10	10	9	9	9	9	9	9
-46.25°	9	9	9	9	9	9	9	9	8	8	8
-47.5°	9	9	9	8	8	8	8	8	8	8	8
-48.75°	8	8	8	8	8	8	8	8	7	7	7
-50°	8	8	8	7	7	7	7	7	7	6	6
-51.25°	7	7	7	7	7	6	6	6	6	6	6
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	5	5	5
-55°	6	5	5	5	5	5	5	5	5	5	5
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	3
-61.25°	4	4	3	3	3	3	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	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	1	1	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	2	2	1
62.5°	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°	3	3	3	3	3	3	3	3	3	2	2
58.75°	4	4	4	3	3	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	3	3	3	3
56.25°	4	4	4	4	4	4	4	4	4	3	3
55°	5	5	5	5	4	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	4	4	4	4
52.5°	6	5	5	5	5	5	5	5	5	4	4
51.25°	6	6	6	6	5	5	5	5	5	5	5
50°	6	6	6	6	6	6	6	5	5	5	5
48.75°	7	7	6	6	6	6	6	6	6	5	5
47.5°	8	7	7	7	6	6	6	6	6	6	6
46.25°	8	8	8	7	7	7	7	6	6	6	6
45°	8	8	8	8	8	7	7	7	6	6	6
43.75°	9	9	8	8	8	8	8	7	7	7	6
42.5°	10	9	9	9	9	8	8	8	8	7	7
41.25°	10	10	10	9	9	9	8	8	8	8	7
40°	11	11	10	10	10	9	9	9	8	8	8
38.75°	12	11	11	11	10	10	10	9	9	8	8
37.5°	12	12	12	11	11	11	10	10	9	9	9
36.25°	13	13	12	12	12	11	11	10	10	9	9
35°	14	13	13	13	12	12	11	11	10	10	9



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	15	15	14	13	13	12	12	11	11	10	10
32.5°	17	16	15	14	13	13	12	12	12	11	11
31.25°	20	18	16	15	15	14	13	13	12	12	11
30°	24	21	19	17	16	15	14	13	13	12	12
28.75°	30	25	22	20	17	16	15	14	13	13	12
27.5°	39	33	26	23	20	17	16	15	14	13	12
26.25°	49	42	34	27	23	20	17	16	15	14	13
25°	58	51	43	35	28	23	20	17	16	15	13
23.75°	67	59	51	44	35	27	23	20	17	15	14
22.5°	76	68	60	51	43	34	26	22	19	16	15
21.25°	90	77	68	59	51	42	33	25	21	18	16
20°	118	90	76	67	58	49	39	30	24	20	17
18.75°	176	116	86	74	65	55	46	36	26	22	18
17.5°	252	168	110	83	71	62	52	42	32	24	20
16.25°	333	233	151	101	79	68	58	47	37	27	22
15°	416	306	204	127	89	73	63	53	42	32	24
13.75°	498	380	267	170	107	80	68	58	47	36	25
12.5°	575	452	331	219	133	89	73	62	51	40	29
11.25°	646	520	392	271	168	105	79	66	55	44	33
10°	709	582	451	323	205	120	84	70	59	48	36
8.75°	762	638	504	370	246	147	93	74	62	51	39
7.5°	804	686	551	413	282	171	104	78	65	53	42
6.25°	840	727	591	451	315	193	113	81	67	56	44
5°	867	758	625	483	344	217	123	84	69	58	46
3.75°	888	780	650	507	366	236	136	86	71	59	47
2.5°	903	797	668	525	382	249	145	90	72	60	48
1.25°	913	806	679	536	392	257	150	93	73	61	49
0°	916	810	683	540	395	260	152	94	73	61	49
-1.25°	913	806	679	536	392	257	150	93	73	61	49
-2.5°	903	797	668	525	382	249	145	90	72	60	48
-3.75°	888	780	650	507	366	236	136	86	71	59	47
-5°	867	758	625	483	344	217	123	84	69	58	46
-6.25°	840	727	591	451	315	193	113	81	67	56	44
-7.5°	804	686	551	413	282	171	104	78	65	53	42
-8.75°	762	638	504	370	246	147	93	74	62	51	39
-10°	709	582	451	323	205	120	84	70	59	48	36
-11.25°	646	520	392	271	168	105	79	66	55	44	33
-12.5°	575	452	331	219	133	89	73	62	51	40	29
-13.75°	498	380	267	170	107	80	68	58	47	36	25
-15°	416	306	204	127	89	73	63	53	42	32	24
-16.25°	333	233	151	101	79	68	58	47	37	27	22
-17.5°	252	168	110	83	71	62	52	42	32	24	20
-18.75°	176	116	86	74	65	55	46	36	26	22	18
-20°	118	90	76	67	58	49	39	30	24	20	17
-21.25°	90	77	68	59	51	42	33	25	21	18	16



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	76	68	60	51	43	34	26	22	19	16	15
-23.75°	67	59	51	44	35	27	23	20	17	15	14
-25°	58	51	43	35	28	23	20	17	16	15	13
-26.25°	49	42	34	27	23	20	17	16	15	14	13
-27.5°	39	33	26	23	20	17	16	15	14	13	12
-28.75°	30	25	22	20	17	16	15	14	13	13	12
-30°	24	21	19	17	16	15	14	13	13	12	12
-31.25°	20	18	16	15	15	14	13	13	12	12	11
-32.5°	17	16	15	14	13	13	12	12	12	11	11
-33.75°	15	15	14	13	13	12	12	11	11	10	10
-35°	14	13	13	13	12	12	11	11	10	10	9
-36.25°	13	13	12	12	12	11	11	10	10	9	9
-37.5°	12	12	12	11	11	11	10	10	9	9	9
-38.75°	12	11	11	11	10	10	10	9	9	8	8
-40°	11	11	10	10	10	9	9	9	8	8	8
-41.25°	10	10	10	9	9	9	8	8	8	8	7
-42.5°	10	9	9	9	9	8	8	8	8	7	7
-43.75°	9	9	8	8	8	8	8	7	7	7	6
-45°	8	8	8	8	8	7	7	7	6	6	6
-46.25°	8	8	8	7	7	7	7	6	6	6	6
-47.5°	8	7	7	7	6	6	6	6	6	6	6
-48.75°	7	7	6	6	6	6	6	6	6	5	5
-50°	6	6	6	6	6	6	6	5	5	5	5
-51.25°	6	6	6	6	5	5	5	5	5	5	5
-52.5°	6	5	5	5	5	5	5	5	5	4	4
-53.75°	5	5	5	5	5	5	5	4	4	4	4
-55°	5	5	5	5	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	3	3
-57.5°	4	4	4	4	4	4	4	3	3	3	3
-58.75°	4	4	4	3	3	3	3	3	3	3	3
-60°	3	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	1
-65°	2	2	2	2	2	2	1	1	1	1	1
-66.25°	2	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	9	9	9	8	8	8	7	6	6	6	6
32.5°	10	9	9	9	8	8	7	7	6	6	6
31.25°	10	10	9	9	8	8	8	7	7	6	6
30°	11	10	10	9	9	8	8	8	7	6	6
28.75°	11	11	10	10	9	9	8	8	7	7	6
27.5°	12	11	11	10	10	9	8	8	8	7	7
26.25°	12	12	11	11	10	9	9	8	8	7	7
25°	13	12	12	11	10	10	9	9	8	8	7
23.75°	13	13	12	11	11	10	9	9	8	8	7
22.5°	14	13	12	12	11	10	10	9	8	8	8
21.25°	15	13	13	12	11	11	10	9	9	8	8
20°	15	14	13	12	12	11	10	10	9	8	8
18.75°	16	15	13	13	12	11	11	10	9	9	8
17.5°	17	15	14	13	12	12	11	10	9	9	8
16.25°	18	16	14	13	13	12	11	10	10	9	8
15°	20	16	15	14	13	12	11	11	10	9	9
13.75°	21	17	16	14	13	12	12	11	10	9	9
12.5°	23	19	16	14	13	12	12	11	10	9	9
11.25°	24	20	16	15	13	13	12	11	10	10	9
10°	25	21	17	15	14	13	12	11	11	10	9
8.75°	28	22	18	16	14	13	12	11	11	10	9
7.5°	30	23	19	16	14	13	12	12	11	10	9
6.25°	32	24	19	16	15	13	12	12	11	10	9
5°	34	24	20	16	15	13	13	12	11	10	9
3.75°	36	25	20	16	15	13	13	12	11	10	9
2.5°	37	25	21	17	15	13	13	12	11	10	9
1.25°	37	25	21	17	15	13	13	12	11	10	9
0°	37	25	21	17	15	14	13	12	11	10	9
-1.25°	37	25	21	17	15	13	13	12	11	10	9
-2.5°	37	25	21	17	15	13	13	12	11	10	9
-3.75°	36	25	20	16	15	13	13	12	11	10	9
-5°	34	24	20	16	15	13	13	12	11	10	9
-6.25°	32	24	19	16	15	13	12	12	11	10	9
-7.5°	30	23	19	16	14	13	12	12	11	10	9
-8.75°	28	22	18	16	14	13	12	11	11	10	9
-10°	25	21	17	15	14	13	12	11	11	10	9
-11.25°	24	20	16	15	13	13	12	11	10	10	9
-12.5°	23	19	16	14	13	12	12	11	10	9	9
-13.75°	21	17	16	14	13	12	12	11	10	9	9
-15°	20	16	15	14	13	12	11	11	10	9	9
-16.25°	18	16	14	13	13	12	11	10	10	9	8
-17.5°	17	15	14	13	12	12	11	10	9	9	8
-18.75°	16	15	13	13	12	11	11	10	9	9	8
-20°	15	14	13	12	12	11	10	10	9	8	8
-21.25°	15	13	13	12	11	11	10	9	9	8	8



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	14	13	12	12	11	10	10	9	8	8	8
-23.75°	13	13	12	11	11	10	9	9	8	8	7
-25°	13	12	12	11	10	10	9	9	8	8	7
-26.25°	12	12	11	11	10	9	9	8	8	7	7
-27.5°	12	11	11	10	10	9	8	8	8	7	7
-28.75°	11	11	10	10	9	9	8	8	7	7	6
-30°	11	10	10	9	9	8	8	8	7	6	6
-31.25°	10	10	9	9	8	8	8	7	7	6	6
-32.5°	10	9	9	9	8	8	7	7	6	6	6
-33.75°	9	9	9	8	8	8	7	6	6	6	6
-35°	9	9	8	8	8	7	7	6	6	6	5
-36.25°	9	8	8	8	7	7	6	6	6	6	5
-37.5°	8	8	8	7	7	6	6	6	6	5	5
-38.75°	8	8	7	7	6	6	6	6	5	5	5
-40°	8	7	7	6	6	6	6	5	5	5	5
-41.25°	7	7	6	6	6	6	5	5	5	5	4
-42.5°	6	6	6	6	6	5	5	5	5	4	4
-43.75°	6	6	6	6	5	5	5	5	4	4	4
-45°	6	6	6	5	5	5	5	4	4	4	4
-46.25°	6	5	5	5	5	5	4	4	4	4	4
-47.5°	5	5	5	5	5	4	4	4	4	4	3
-48.75°	5	5	5	4	4	4	4	4	4	3	3
-50°	5	5	4	4	4	4	4	3	3	3	3
-51.25°	4	4	4	4	4	4	3	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	3	2
-53.75°	4	4	4	3	3	3	3	3	2	2	2
-55°	4	3	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	1
-58.75°	3	2	2	2	2	2	2	2	1	1	1
-60°	2	2	2	2	2	2	1	1	1	1	1
-61.25°	2	2	2	2	1	1	1	1	1	1	1
-62.5°	2	2	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	0	0	0	0
-68.75°	1	1	1	1	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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°	7	6	6	6	5	5	5	4	4	4	3
-23.75°	7	6	6	6	5	5	5	4	4	3	3
-25°	6	6	6	5	5	5	4	4	4	3	3
-26.25°	6	6	6	5	5	5	4	4	4	3	3
-27.5°	6	6	6	5	5	5	4	4	4	3	3
-28.75°	6	6	5	5	5	4	4	4	3	3	3
-30°	6	6	5	5	5	4	4	4	3	3	3
-31.25°	6	5	5	5	4	4	4	3	3	3	2
-32.5°	6	5	5	5	4	4	4	3	3	3	2
-33.75°	5	5	5	4	4	4	4	3	3	3	2
-35°	5	5	5	4	4	4	3	3	3	2	2
-36.25°	5	5	4	4	4	4	3	3	3	2	2
-37.5°	5	4	4	4	4	3	3	3	2	2	2
-38.75°	5	4	4	4	3	3	3	3	2	2	2
-40°	4	4	4	4	3	3	3	2	2	2	2
-41.25°	4	4	4	3	3	3	3	2	2	2	1
-42.5°	4	4	3	3	3	3	2	2	2	2	1
-43.75°	4	4	3	3	3	2	2	2	2	1	1
-45°	4	3	3	3	3	2	2	2	2	1	1
-46.25°	3	3	3	3	2	2	2	2	1	1	1
-47.5°	3	3	3	2	2	2	2	1	1	1	1
-48.75°	3	3	2	2	2	2	2	1	1	1	1
-50°	3	2	2	2	2	2	1	1	1	1	1
-51.25°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-53.75°	2	2	2	1	1	1	1	1	1	1	1
-55°	2	2	1	1	1	1	1	1	1	1	1
-56.25°	1	1	1	1	1	1	1	1	1	1	0
-57.5°	1	1	1	1	1	1	1	1	1	0	0
-58.75°	1	1	1	1	1	1	1	1	0	0	0
-60°	1	1	1	1	1	1	1	0	0	0	0
-61.25°	1	1	1	1	1	0	0	0	0	0	0
-62.5°	1	1	1	1	0	0	0	0	0	0	0
-63.75°	1	1	0	0	0	0	0	0	0	0	0
-65°	1	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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	1	1	1	1	1	0	0
-23.75°	3	2	2	2	1	1	1	1	1	0	0
-25°	3	2	2	2	1	1	1	1	1	0	0
-26.25°	3	2	2	2	1	1	1	1	1	0	0
-27.5°	2	2	2	1	1	1	1	1	1	0	0
-28.75°	2	2	2	1	1	1	1	1	0	0	0
-30°	2	2	2	1	1	1	1	1	0	0	0
-31.25°	2	2	2	1	1	1	1	1	0	0	0
-32.5°	2	2	1	1	1	1	1	1	0	0	0
-33.75°	2	2	1	1	1	1	1	0	0	0	0
-35°	2	2	1	1	1	1	1	0	0	0	0
-36.25°	2	1	1	1	1	1	1	0	0	0	0
-37.5°	2	1	1	1	1	1	1	0	0	0	0
-38.75°	1	1	1	1	1	1	0	0	0	0	0
-40°	1	1	1	1	1	1	0	0	0	0	0
-41.25°	1	1	1	1	1	1	0	0	0	0	0
-42.5°	1	1	1	1	1	0	0	0	0	0	0
-43.75°	1	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	1	0	0	0	0	0	0	0
-46.25°	1	1	1	1	0	0	0	0	0	0	0
-47.5°	1	1	1	1	0	0	0	0	0	0	0
-48.75°	1	1	1	0	0	0	0	0	0	0	0
-50°	1	1	0	0	0	0	0	0	0	0	0
-51.25°	1	1	0	0	0	0	0	0	0	0	0
-52.5°	1	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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: P220534 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-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)