

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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

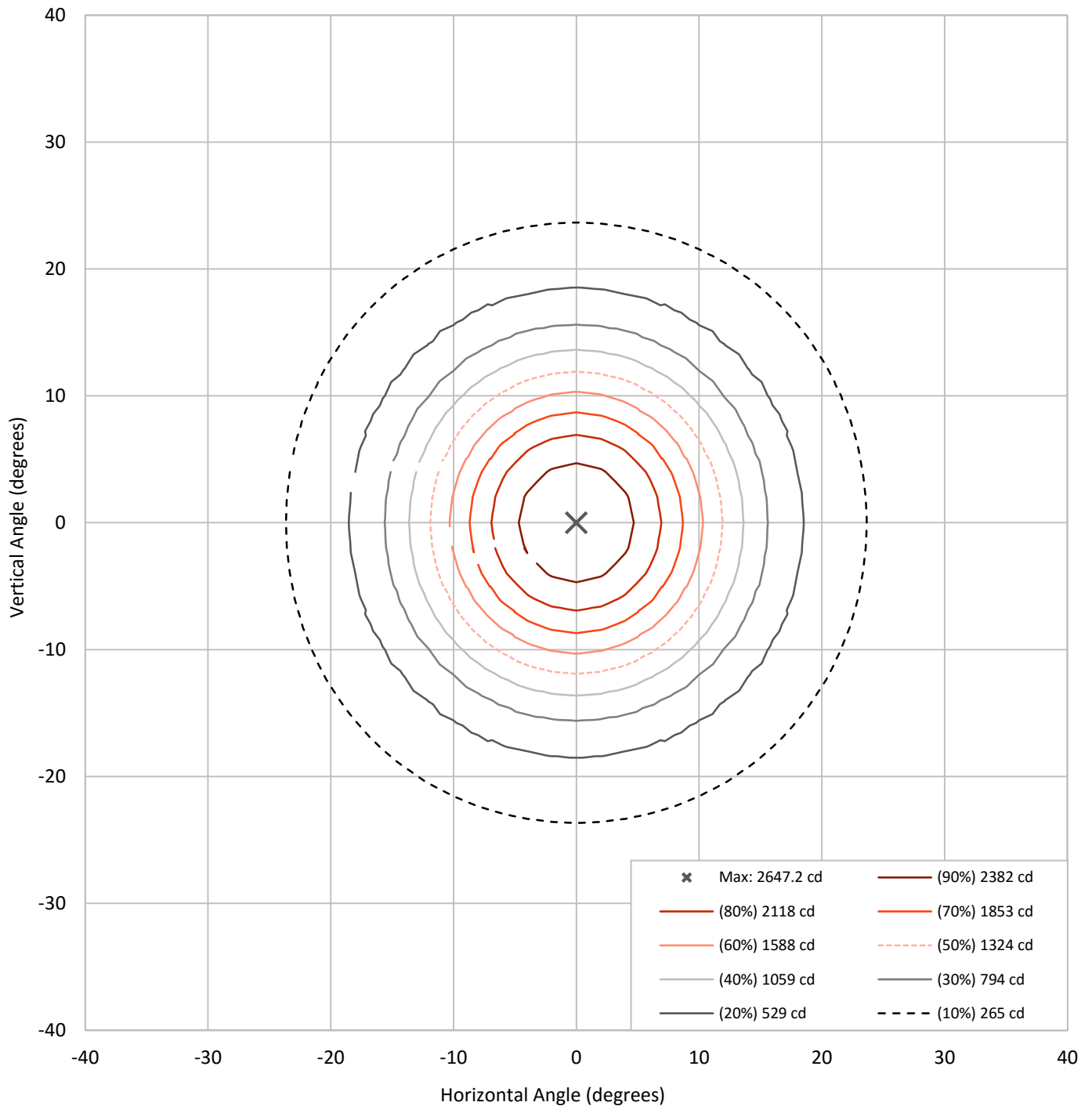
Test Method: LM-79-08
Report Number: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	551.6 lumens	Max Intensity:	2647.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.8°H x 23.8°V	Field Angle (10%):	47.4°H x 47.4°V
Beam Lumens:	258.9 lumens	Field Lumens:	497.2 lumens
Beam Efficiency:	46.9%	Field Efficiency:	90.1%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L1-UNV

Iso-Candela Plot





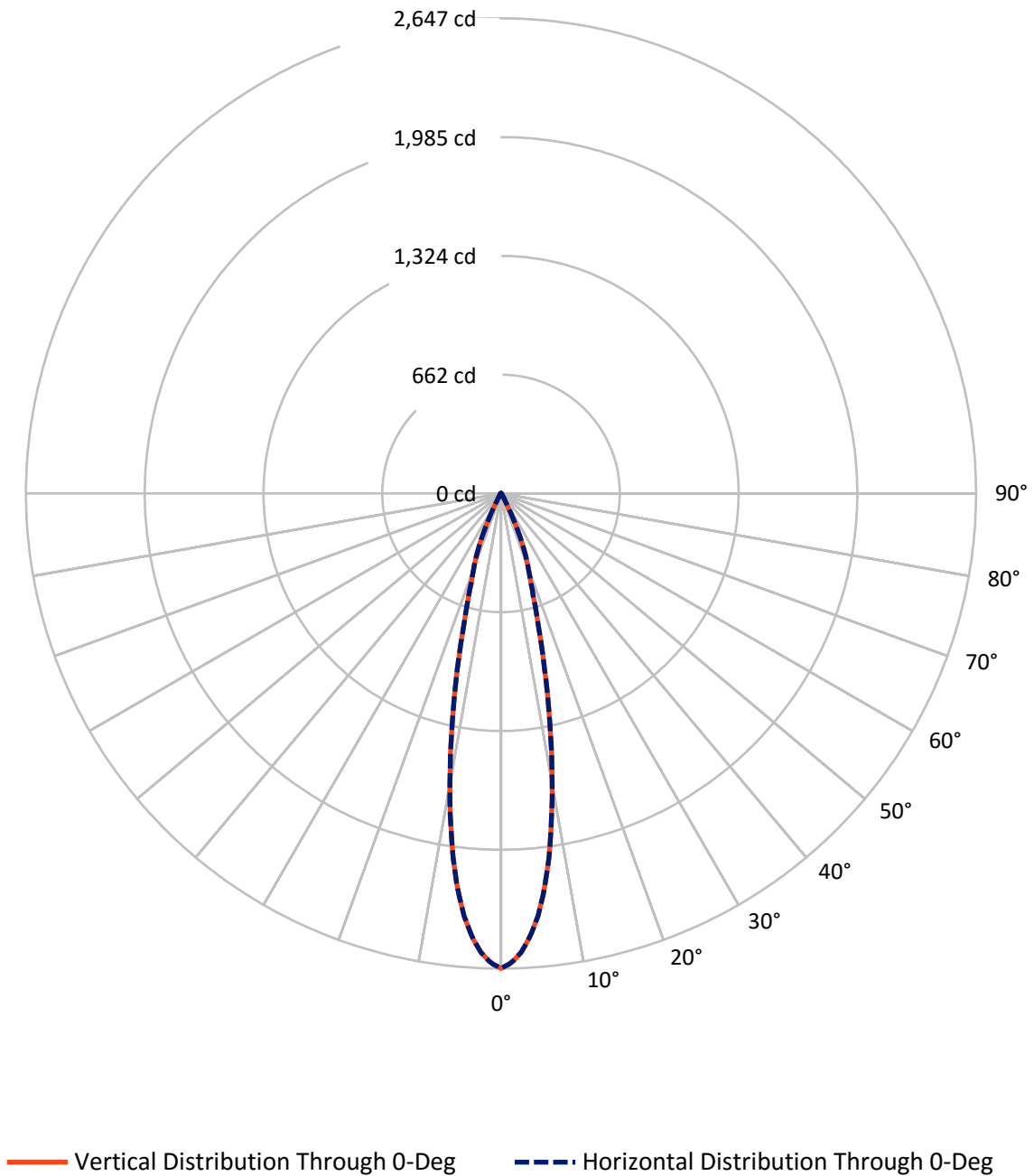
REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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	0.1	0.1	0.0	0.0	0.0	0.0	
40		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		
30	0.0	0.0	0.0	0.1	0.1	0.5	2.2	5.5	5.5	2.2	0.5	0.1	0.1	0.0	0.0	0.0	
20		0.0	0.0	0.1	0.2	2.1	11.6	24.4	24.4	11.6	2.1	0.2	0.1	0.0	0.0		
10	0.0	0.0	0.0	0.1	0.4	5.1	23.8	59.6	59.6	23.8	5.1	0.4	0.1	0.0	0.0	0.0	
0		0.0	0.0	0.1	0.4	5.1	23.8	59.6	59.6	23.8	5.1	0.4	0.1	0.0	0.0		
-10	0.0	0.0	0.0	0.1	0.4	5.1	23.8	59.6	59.6	23.8	5.1	0.4	0.1	0.0	0.0	0.0	
-20		0.0	0.0	0.1	0.2	2.1	11.6	24.4	24.4	11.6	2.1	0.2	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.1	0.5	2.2	5.5	5.5	2.2	0.5	0.1	0.1	0.0	0.0	0.0	
-40		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		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-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		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

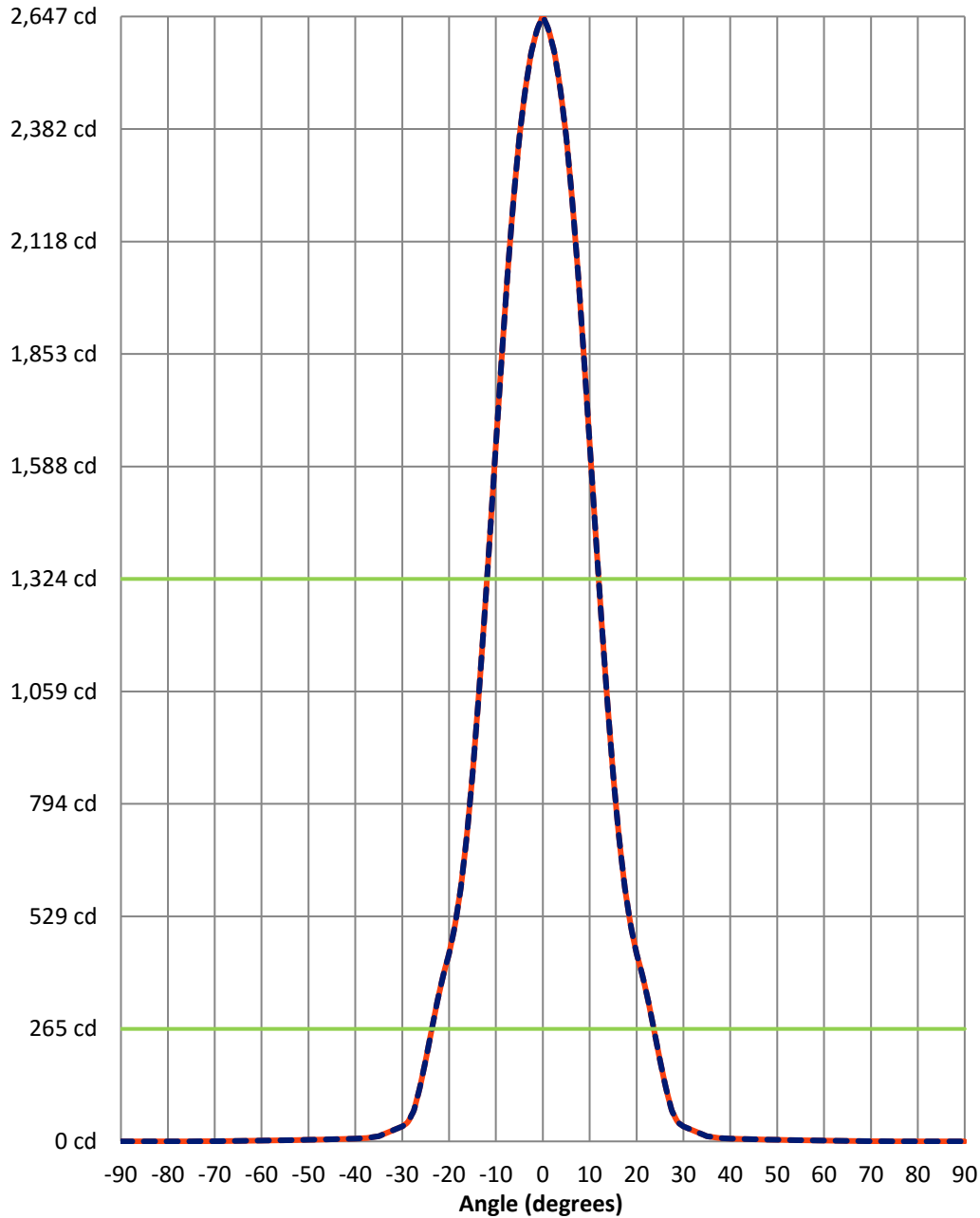
REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.8°
 V Angle: 23.8°
 Lumens: 258.9
 Efficiency: 46.9%

Field:
 H Angle: 47.4°
 V Angle: 47.4°
 Lumens: 497.2
 Efficiency: 90.1%

Spill:
 Lumens: 54.4
 Efficiency: 9.9%

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



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0
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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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	0	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	0	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	1
-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	0	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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	0	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	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	1	1	1
53.75°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
51.25°	0	0	0	0	0	1	1	1	1	1	1
50°	0	0	0	0	1	1	1	1	1	1	1
48.75°	0	0	0	1	1	1	1	1	1	1	1
47.5°	0	0	0	1	1	1	1	1	1	1	1
46.25°	0	0	1	1	1	1	1	1	1	1	1
45°	0	0	1	1	1	1	1	1	1	1	1
43.75°	0	0	1	1	1	1	1	1	1	1	2
42.5°	0	1	1	1	1	1	1	1	1	1	2
41.25°	0	1	1	1	1	1	1	1	2	2	2
40°	1	1	1	1	1	1	1	2	2	2	2
38.75°	1	1	1	1	1	1	1	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	1	2	2	2	2	2	2
32.5°	1	1	1	1	1	2	2	2	2	2	2
31.25°	1	1	1	1	1	2	2	2	2	2	2
30°	1	1	1	1	2	2	2	2	2	2	3
28.75°	1	1	1	1	2	2	2	2	2	2	3
27.5°	1	1	1	1	2	2	2	2	2	2	3
26.25°	1	1	1	2	2	2	2	2	2	3	3
25°	1	1	1	2	2	2	2	2	2	3	3
23.75°	1	1	1	2	2	2	2	2	3	3	3
22.5°	1	1	2	2	2	2	2	2	3	3	3
21.25°	1	1	2	2	2	2	2	2	3	3	3
20°	1	1	2	2	2	2	2	3	3	3	3
18.75°	1	1	2	2	2	2	2	3	3	3	3
17.5°	1	1	2	2	2	2	2	3	3	3	3
16.25°	1	2	2	2	2	2	2	3	3	3	3
15°	1	2	2	2	2	2	2	3	3	3	3
13.75°	1	2	2	2	2	2	3	3	3	3	3
12.5°	1	2	2	2	2	2	3	3	3	3	3
11.25°	1	2	2	2	2	2	3	3	3	3	4
10°	1	2	2	2	2	2	3	3	3	3	4
8.75°	1	2	2	2	2	2	3	3	3	3	4
7.5°	1	2	2	2	2	2	3	3	3	3	4
6.25°	1	2	2	2	2	2	3	3	3	3	4
5°	1	2	2	2	2	2	3	3	3	3	4
3.75°	1	2	2	2	2	2	3	3	3	3	4
2.5°	1	2	2	2	2	2	3	3	3	3	4
1.25°	1	2	2	2	2	2	3	3	3	3	4
0°	2	2	2	2	2	3	3	3	3	3	4
-1.25°	1	2	2	2	2	2	3	3	3	3	4
-2.5°	1	2	2	2	2	2	3	3	3	3	4
-3.75°	1	2	2	2	2	2	3	3	3	3	4
-5°	1	2	2	2	2	2	3	3	3	3	4
-6.25°	1	2	2	2	2	2	3	3	3	3	4
-7.5°	1	2	2	2	2	2	3	3	3	3	4
-8.75°	1	2	2	2	2	2	3	3	3	3	4
-10°	1	2	2	2	2	2	3	3	3	3	4
-11.25°	1	2	2	2	2	2	3	3	3	3	4
-12.5°	1	2	2	2	2	2	3	3	3	3	3
-13.75°	1	2	2	2	2	2	3	3	3	3	3
-15°	1	2	2	2	2	2	2	3	3	3	3
-16.25°	1	2	2	2	2	2	2	3	3	3	3
-17.5°	1	1	2	2	2	2	2	3	3	3	3
-18.75°	1	1	2	2	2	2	2	3	3	3	3
-20°	1	1	2	2	2	2	2	3	3	3	3
-21.25°	1	1	2	2	2	2	2	2	3	3	3



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	1	2	2	2	2	2	2	3	3	3
-23.75°	1	1	1	2	2	2	2	2	3	3	3
-25°	1	1	1	2	2	2	2	2	2	3	3
-26.25°	1	1	1	2	2	2	2	2	2	3	3
-27.5°	1	1	1	1	2	2	2	2	2	2	3
-28.75°	1	1	1	1	2	2	2	2	2	2	3
-30°	1	1	1	1	2	2	2	2	2	2	3
-31.25°	1	1	1	1	1	2	2	2	2	2	2
-32.5°	1	1	1	1	1	2	2	2	2	2	2
-33.75°	1	1	1	1	1	2	2	2	2	2	2
-35°	1	1	1	1	1	1	2	2	2	2	2
-36.25°	1	1	1	1	1	1	2	2	2	2	2
-37.5°	1	1	1	1	1	1	1	2	2	2	2
-38.75°	1	1	1	1	1	1	1	1	2	2	2
-40°	1	1	1	1	1	1	1	1	2	2	2
-41.25°	0	1	1	1	1	1	1	1	1	2	2
-42.5°	0	1	1	1	1	1	1	1	1	1	2
-43.75°	0	0	1	1	1	1	1	1	1	1	2
-45°	0	0	1	1	1	1	1	1	1	1	1
-46.25°	0	0	0	1	1	1	1	1	1	1	1
-47.5°	0	0	0	0	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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	0	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
56.25°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	2
53.75°	1	1	1	1	1	1	1	1	1	2	2
52.5°	1	1	1	1	1	1	1	2	2	2	2
51.25°	1	1	1	1	1	1	2	2	2	2	2
50°	1	1	1	1	2	2	2	2	2	2	2
48.75°	1	1	1	2	2	2	2	2	2	2	2
47.5°	1	1	2	2	2	2	2	2	2	2	2
46.25°	1	2	2	2	2	2	2	2	2	2	3
45°	2	2	2	2	2	2	2	2	2	3	3
43.75°	2	2	2	2	2	2	2	2	3	3	3
42.5°	2	2	2	2	2	2	2	3	3	3	3
41.25°	2	2	2	2	2	2	3	3	3	3	3
40°	2	2	2	2	2	3	3	3	3	3	3
38.75°	2	2	2	2	3	3	3	3	3	3	4
37.5°	2	2	2	3	3	3	3	3	3	4	4
36.25°	2	2	3	3	3	3	3	3	4	4	4
35°	2	2	3	3	3	3	3	3	4	4	4



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	2	3	3	3	3	3	3	4	4	4	4
32.5°	3	3	3	3	3	3	4	4	4	4	4
31.25°	3	3	3	3	3	4	4	4	4	4	5
30°	3	3	3	3	3	4	4	4	4	4	5
28.75°	3	3	3	3	4	4	4	4	4	5	5
27.5°	3	3	3	3	4	4	4	4	5	5	5
26.25°	3	3	3	4	4	4	4	4	5	5	5
25°	3	3	3	4	4	4	4	5	5	5	6
23.75°	3	3	4	4	4	4	5	5	5	5	6
22.5°	3	3	4	4	4	4	5	5	5	6	6
21.25°	3	4	4	4	4	4	5	5	5	6	6
20°	3	4	4	4	4	5	5	5	6	6	6
18.75°	3	4	4	4	4	5	5	5	6	6	6
17.5°	4	4	4	4	5	5	5	6	6	6	7
16.25°	4	4	4	4	5	5	5	6	6	6	7
15°	4	4	4	4	5	5	5	6	6	7	7
13.75°	4	4	4	4	5	5	6	6	6	7	7
12.5°	4	4	4	5	5	5	6	6	6	7	8
11.25°	4	4	4	5	5	5	6	6	6	7	8
10°	4	4	4	5	5	5	6	6	7	7	8
8.75°	4	4	4	5	5	5	6	6	7	7	9
7.5°	4	4	4	5	5	6	6	6	7	8	9
6.25°	4	4	4	5	5	6	6	6	7	8	9
5°	4	4	5	5	5	6	6	6	7	8	10
3.75°	4	4	5	5	5	6	6	6	7	8	10
2.5°	4	4	5	5	5	6	6	6	7	8	10
1.25°	4	4	5	5	5	6	6	6	7	8	10
0°	4	4	5	5	5	6	6	7	7	8	10
-1.25°	4	4	5	5	5	6	6	6	7	8	10
-2.5°	4	4	5	5	5	6	6	6	7	8	10
-3.75°	4	4	5	5	5	6	6	6	7	8	10
-5°	4	4	5	5	5	6	6	6	7	8	10
-6.25°	4	4	4	5	5	6	6	6	7	8	9
-7.5°	4	4	4	5	5	6	6	6	7	8	9
-8.75°	4	4	4	5	5	5	6	6	7	7	9
-10°	4	4	4	5	5	5	6	6	7	7	8
-11.25°	4	4	4	5	5	5	6	6	6	7	8
-12.5°	4	4	4	5	5	5	6	6	6	7	8
-13.75°	4	4	4	4	5	5	6	6	6	7	7
-15°	4	4	4	4	5	5	5	6	6	7	7
-16.25°	4	4	4	4	5	5	5	6	6	6	7
-17.5°	4	4	4	4	5	5	5	6	6	6	7
-18.75°	3	4	4	4	4	5	5	5	6	6	6
-20°	3	4	4	4	4	5	5	5	6	6	6
-21.25°	3	4	4	4	4	4	5	5	5	6	6



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	3	4	4	4	4	5	5	5	6	6
-23.75°	3	3	4	4	4	4	5	5	5	5	6
-25°	3	3	3	4	4	4	4	5	5	5	6
-26.25°	3	3	3	4	4	4	4	4	5	5	5
-27.5°	3	3	3	3	4	4	4	4	5	5	5
-28.75°	3	3	3	3	4	4	4	4	4	5	5
-30°	3	3	3	3	3	4	4	4	4	4	5
-31.25°	3	3	3	3	3	4	4	4	4	4	5
-32.5°	3	3	3	3	3	3	4	4	4	4	4
-33.75°	2	3	3	3	3	3	3	4	4	4	4
-35°	2	2	3	3	3	3	3	3	4	4	4
-36.25°	2	2	3	3	3	3	3	3	4	4	4
-37.5°	2	2	2	3	3	3	3	3	3	4	4
-38.75°	2	2	2	2	3	3	3	3	3	3	4
-40°	2	2	2	2	2	3	3	3	3	3	3
-41.25°	2	2	2	2	2	2	3	3	3	3	3
-42.5°	2	2	2	2	2	2	2	3	3	3	3
-43.75°	2	2	2	2	2	2	2	2	3	3	3
-45°	2	2	2	2	2	2	2	2	2	3	3
-46.25°	1	2	2	2	2	2	2	2	2	2	3
-47.5°	1	1	2	2	2	2	2	2	2	2	2
-48.75°	1	1	1	2	2	2	2	2	2	2	2
-50°	1	1	1	1	2	2	2	2	2	2	2
-51.25°	1	1	1	1	1	1	2	2	2	2	2
-52.5°	1	1	1	1	1	1	1	2	2	2	2
-53.75°	1	1	1	1	1	1	1	1	1	2	2
-55°	1	1	1	1	1	1	1	1	1	1	2
-56.25°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	0	0	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	0	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	1
66.25°	0	0	0	0	0	1	1	1	1	1	1
65°	0	0	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	2
58.75°	1	1	1	1	1	1	1	2	2	2	2
57.5°	1	1	1	1	2	2	2	2	2	2	2
56.25°	1	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	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	3	3
51.25°	2	2	2	2	2	2	2	3	3	3	3
50°	2	2	2	2	3	3	3	3	3	3	3
48.75°	2	2	3	3	3	3	3	3	3	3	3
47.5°	2	3	3	3	3	3	3	3	3	3	3
46.25°	3	3	3	3	3	3	3	3	3	4	4
45°	3	3	3	3	3	3	3	4	4	4	4
43.75°	3	3	3	3	3	4	4	4	4	4	4
42.5°	3	3	3	4	4	4	4	4	4	4	4
41.25°	3	3	4	4	4	4	4	4	4	5	5
40°	3	4	4	4	4	4	4	4	5	5	5
38.75°	4	4	4	4	4	4	5	5	5	5	5
37.5°	4	4	4	4	4	5	5	5	5	5	6
36.25°	4	4	4	5	5	5	5	5	6	6	6
35°	4	4	5	5	5	5	5	6	6	6	6



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	4	5	5	5	5	6	6	6	6	6	7
32.5°	5	5	5	5	6	6	6	6	6	7	7
31.25°	5	5	5	6	6	6	6	7	7	7	8
30°	5	5	6	6	6	6	7	7	8	8	9
28.75°	5	6	6	6	6	7	7	8	8	9	11
27.5°	5	6	6	6	7	7	8	8	10	11	12
26.25°	6	6	6	7	7	8	8	10	11	13	17
25°	6	6	6	7	8	8	10	11	13	17	21
23.75°	6	6	7	7	8	9	11	13	17	21	25
22.5°	6	7	7	8	9	11	12	17	21	25	29
21.25°	6	7	8	9	10	12	16	20	24	29	33
20°	7	7	8	10	11	14	19	23	28	32	37
18.75°	7	8	9	11	13	17	22	27	31	36	42
17.5°	7	8	10	12	15	20	25	30	34	40	53
16.25°	8	9	11	13	18	23	28	33	38	49	73
15°	8	10	11	15	20	25	30	35	43	61	98
13.75°	8	10	12	17	23	28	33	39	52	82	129
12.5°	9	11	14	19	25	30	35	43	64	106	160
11.25°	10	12	16	21	27	32	38	50	81	131	189
10°	10	12	18	23	28	34	41	58	99	156	218
8.75°	11	13	19	24	30	36	45	71	119	179	243
7.5°	11	15	20	26	31	37	50	82	136	200	266
6.25°	11	16	21	27	33	39	54	93	152	218	285
5°	12	16	22	28	33	40	59	105	166	233	302
3.75°	12	17	23	29	34	42	65	114	177	245	314
2.5°	12	18	23	29	35	44	70	120	184	254	323
1.25°	12	18	24	29	35	45	72	124	189	259	328
0°	12	18	24	29	35	45	73	126	191	261	330
-1.25°	12	18	24	29	35	45	72	124	189	259	328
-2.5°	12	18	23	29	35	44	70	120	184	254	323
-3.75°	12	17	23	29	34	42	65	114	177	245	314
-5°	12	16	22	28	33	40	59	105	166	233	302
-6.25°	11	16	21	27	33	39	54	93	152	218	285
-7.5°	11	15	20	26	31	37	50	82	136	200	266
-8.75°	11	13	19	24	30	36	45	71	119	179	243
-10°	10	12	18	23	28	34	41	58	99	156	218
-11.25°	10	12	16	21	27	32	38	50	81	131	189
-12.5°	9	11	14	19	25	30	35	43	64	106	160
-13.75°	8	10	12	17	23	28	33	39	52	82	129
-15°	8	10	11	15	20	25	30	35	43	61	98
-16.25°	8	9	11	13	18	23	28	33	38	49	73
-17.5°	7	8	10	12	15	20	25	30	34	40	53
-18.75°	7	8	9	11	13	17	22	27	31	36	42
-20°	7	7	8	10	11	14	19	23	28	32	37
-21.25°	6	7	8	9	10	12	16	20	24	29	33



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	6	7	7	8	9	11	12	17	21	25	29
-23.75°	6	6	7	7	8	9	11	13	17	21	25
-25°	6	6	6	7	8	8	10	11	13	17	21
-26.25°	6	6	6	7	7	8	8	10	11	13	17
-27.5°	5	6	6	6	7	7	8	8	10	11	12
-28.75°	5	6	6	6	6	7	7	8	8	9	11
-30°	5	5	6	6	6	6	7	7	8	8	9
-31.25°	5	5	5	6	6	6	6	7	7	7	8
-32.5°	5	5	5	5	6	6	6	6	6	7	7
-33.75°	4	5	5	5	5	6	6	6	6	6	7
-35°	4	4	5	5	5	5	5	6	6	6	6
-36.25°	4	4	4	5	5	5	5	5	6	6	6
-37.5°	4	4	4	4	4	5	5	5	5	5	6
-38.75°	4	4	4	4	4	4	5	5	5	5	5
-40°	3	4	4	4	4	4	4	4	5	5	5
-41.25°	3	3	4	4	4	4	4	4	4	5	5
-42.5°	3	3	3	4	4	4	4	4	4	4	4
-43.75°	3	3	3	3	3	4	4	4	4	4	4
-45°	3	3	3	3	3	3	3	4	4	4	4
-46.25°	3	3	3	3	3	3	3	3	3	4	4
-47.5°	2	3	3	3	3	3	3	3	3	3	3
-48.75°	2	2	3	3	3	3	3	3	3	3	3
-50°	2	2	2	2	3	3	3	3	3	3	3
-51.25°	2	2	2	2	2	2	2	3	3	3	3
-52.5°	2	2	2	2	2	2	2	2	2	3	3
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	1	2	2	2	2	2	2	2	2	2	2
-57.5°	1	1	1	1	2	2	2	2	2	2	2
-58.75°	1	1	1	1	1	1	1	2	2	2	2
-60°	1	1	1	1	1	1	1	1	1	1	2
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	0	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	0	0	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	0	0	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	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	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	3	3	3	3	3
53.75°	2	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	3	3	3
50°	3	3	3	3	3	3	3	3	4	4	4
48.75°	3	3	3	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	5	5	5	5
43.75°	4	4	4	5	5	5	5	5	5	5	5
42.5°	4	5	5	5	5	5	5	5	5	5	5
41.25°	5	5	5	5	5	5	6	6	6	6	6
40°	5	5	5	6	6	6	6	6	6	6	6
38.75°	5	6	6	6	6	6	6	6	6	7	7
37.5°	6	6	6	6	6	7	7	7	7	7	7
36.25°	6	6	6	7	7	7	7	8	8	8	9
35°	6	7	7	7	8	8	8	9	10	10	11



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	7	7	8	8	9	10	10	11	12	12	13
32.5°	8	8	9	10	11	11	12	14	16	18	19
31.25°	9	10	11	12	13	15	17	19	21	23	24
30°	10	11	13	15	18	20	23	25	27	28	30
28.75°	12	14	17	20	23	25	28	30	32	34	36
27.5°	16	19	22	25	28	30	33	35	38	41	45
26.25°	20	23	27	30	33	35	39	43	50	58	71
25°	24	28	31	34	38	43	52	64	81	99	119
23.75°	29	32	36	40	49	61	82	106	131	156	179
22.5°	33	37	42	53	73	98	129	160	189	218	243
21.25°	37	43	56	81	113	148	183	218	251	281	308
20°	43	57	85	121	161	201	240	278	312	342	368
18.75°	56	85	124	168	212	255	297	335	368	395	417
17.5°	81	121	168	216	263	308	350	384	414	439	466
16.25°	113	161	212	263	312	358	395	426	458	490	530
15°	148	201	255	308	358	398	432	470	512	559	612
13.75°	183	240	297	350	395	432	474	523	581	644	714
12.5°	218	278	335	384	426	470	523	588	663	745	837
11.25°	251	312	368	414	458	512	581	663	757	863	970
10°	281	342	395	439	490	559	644	745	863	985	1111
8.75°	308	368	417	466	530	612	714	837	970	1111	1252
7.5°	331	388	436	491	568	665	786	925	1075	1232	1389
6.25°	351	406	455	520	607	717	854	1006	1173	1344	1517
5°	366	419	472	544	640	765	916	1082	1260	1445	1630
3.75°	377	429	485	565	672	808	967	1143	1332	1528	1722
2.5°	385	436	497	583	695	839	1004	1190	1386	1590	1792
1.25°	389	441	504	593	709	858	1029	1218	1420	1628	1834
0°	391	442	507	597	714	864	1037	1228	1432	1641	1849
-1.25°	389	441	504	593	709	858	1029	1218	1420	1628	1834
-2.5°	385	436	497	583	695	839	1004	1190	1386	1590	1792
-3.75°	377	429	485	565	672	808	967	1143	1332	1528	1722
-5°	366	419	472	544	640	765	916	1082	1260	1445	1630
-6.25°	351	406	455	520	607	717	854	1006	1173	1344	1517
-7.5°	331	388	436	491	568	665	786	925	1075	1232	1389
-8.75°	308	368	417	466	530	612	714	837	970	1111	1252
-10°	281	342	395	439	490	559	644	745	863	985	1111
-11.25°	251	312	368	414	458	512	581	663	757	863	970
-12.5°	218	278	335	384	426	470	523	588	663	745	837
-13.75°	183	240	297	350	395	432	474	523	581	644	714
-15°	148	201	255	308	358	398	432	470	512	559	612
-16.25°	113	161	212	263	312	358	395	426	458	490	530
-17.5°	81	121	168	216	263	308	350	384	414	439	466
-18.75°	56	85	124	168	212	255	297	335	368	395	417
-20°	43	57	85	121	161	201	240	278	312	342	368
-21.25°	37	43	56	81	113	148	183	218	251	281	308



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	33	37	42	53	73	98	129	160	189	218	243
-23.75°	29	32	36	40	49	61	82	106	131	156	179
-25°	24	28	31	34	38	43	52	64	81	99	119
-26.25°	20	23	27	30	33	35	39	43	50	58	71
-27.5°	16	19	22	25	28	30	33	35	38	41	45
-28.75°	12	14	17	20	23	25	28	30	32	34	36
-30°	10	11	13	15	18	20	23	25	27	28	30
-31.25°	9	10	11	12	13	15	17	19	21	23	24
-32.5°	8	8	9	10	11	11	12	14	16	18	19
-33.75°	7	7	8	8	9	10	10	11	12	12	13
-35°	6	7	7	7	8	8	8	9	10	10	11
-36.25°	6	6	6	7	7	7	7	8	8	8	9
-37.5°	6	6	6	6	6	7	7	7	7	7	7
-38.75°	5	6	6	6	6	6	6	6	6	7	7
-40°	5	5	5	6	6	6	6	6	6	6	6
-41.25°	5	5	5	5	5	5	6	6	6	6	6
-42.5°	4	5	5	5	5	5	5	5	5	5	5
-43.75°	4	4	4	5	5	5	5	5	5	5	5
-45°	4	4	4	4	4	4	4	5	5	5	5
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	3	3	3	4	4	4	4	4	4	4	4
-50°	3	3	3	3	3	3	3	3	4	4	4
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	2	3	3	3	3	3	3	3	3	3	3
-55°	2	2	2	2	2	2	3	3	3	3	3
-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	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	1	1	1	1	2	2	2	2	2	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°	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	0	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	1	1	1	1	1
62.5°	1	1	1	1	1	1	2	1	1	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°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	3	2	2	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°	3	3	3	3	3	3	3	3	3	3	3
50°	4	4	4	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	4	4	4	4
46.25°	4	4	5	5	5	5	5	5	5	5	5
45°	5	5	5	5	5	5	5	5	5	5	5
43.75°	5	5	5	5	5	5	5	5	5	5	5
42.5°	6	6	6	6	6	6	6	6	6	6	6
41.25°	6	6	6	6	6	6	6	6	6	6	6
40°	6	6	6	6	6	6	7	6	6	6	6
38.75°	7	7	7	7	7	7	7	7	7	7	7
37.5°	8	8	8	8	8	8	8	8	8	8	8
36.25°	9	9	10	10	10	10	10	10	10	10	10
35°	11	11	12	12	12	12	12	12	12	12	12



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	15	16	16	17	18	18	18	18	18	17	16
32.5°	20	21	22	23	23	24	24	24	23	23	22
31.25°	26	27	28	29	29	29	29	29	29	29	28
30°	31	33	33	34	35	35	35	35	35	34	33
28.75°	37	39	40	42	44	45	45	45	44	42	40
27.5°	50	54	59	65	70	72	73	72	70	65	59
26.25°	82	93	105	114	120	124	126	124	120	114	105
25°	136	152	166	177	184	189	191	189	184	177	166
23.75°	200	218	233	245	254	259	261	259	254	245	233
22.5°	266	285	302	314	323	328	330	328	323	314	302
21.25°	331	351	366	377	385	389	391	389	385	377	366
20°	388	406	419	429	436	441	442	441	436	429	419
18.75°	436	455	472	485	497	504	507	504	497	485	472
17.5°	491	520	544	565	583	593	597	593	583	565	544
16.25°	568	607	640	672	695	709	714	709	695	672	640
15°	665	717	765	808	839	858	864	858	839	808	765
13.75°	786	854	916	967	1004	1029	1037	1029	1004	967	916
12.5°	925	1006	1082	1143	1190	1218	1228	1218	1190	1143	1082
11.25°	1075	1173	1260	1332	1386	1420	1432	1420	1386	1332	1260
10°	1232	1344	1445	1528	1590	1628	1641	1628	1590	1528	1445
8.75°	1389	1517	1630	1722	1792	1834	1849	1834	1792	1722	1630
7.5°	1542	1683	1807	1909	1985	2029	2045	2029	1985	1909	1807
6.25°	1683	1836	1970	2077	2155	2202	2218	2202	2155	2077	1970
5°	1807	1970	2109	2218	2297	2346	2363	2346	2297	2218	2109
3.75°	1909	2077	2218	2329	2409	2461	2476	2461	2409	2329	2218
2.5°	1985	2155	2297	2409	2492	2544	2561	2544	2492	2409	2297
1.25°	2029	2202	2346	2461	2544	2597	2616	2597	2544	2461	2346
0°	2045	2218	2363	2476	2561	2616	2647	2616	2561	2476	2363
-1.25°	2029	2202	2346	2461	2544	2597	2616	2597	2544	2461	2346
-2.5°	1985	2155	2297	2409	2492	2544	2561	2544	2492	2409	2297
-3.75°	1909	2077	2218	2329	2409	2461	2476	2461	2409	2329	2218
-5°	1807	1970	2109	2218	2297	2346	2363	2346	2297	2218	2109
-6.25°	1683	1836	1970	2077	2155	2202	2218	2202	2155	2077	1970
-7.5°	1542	1683	1807	1909	1985	2029	2045	2029	1985	1909	1807
-8.75°	1389	1517	1630	1722	1792	1834	1849	1834	1792	1722	1630
-10°	1232	1344	1445	1528	1590	1628	1641	1628	1590	1528	1445
-11.25°	1075	1173	1260	1332	1386	1420	1432	1420	1386	1332	1260
-12.5°	925	1006	1082	1143	1190	1218	1228	1218	1190	1143	1082
-13.75°	786	854	916	967	1004	1029	1037	1029	1004	967	916
-15°	665	717	765	808	839	858	864	858	839	808	765
-16.25°	568	607	640	672	695	709	714	709	695	672	640
-17.5°	491	520	544	565	583	593	597	593	583	565	544
-18.75°	436	455	472	485	497	504	507	504	497	485	472
-20°	388	406	419	429	436	441	442	441	436	429	419
-21.25°	331	351	366	377	385	389	391	389	385	377	366



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	266	285	302	314	323	328	330	328	323	314	302
-23.75°	200	218	233	245	254	259	261	259	254	245	233
-25°	136	152	166	177	184	189	191	189	184	177	166
-26.25°	82	93	105	114	120	124	126	124	120	114	105
-27.5°	50	54	59	65	70	72	73	72	70	65	59
-28.75°	37	39	40	42	44	45	45	45	44	42	40
-30°	31	33	33	34	35	35	35	35	35	34	33
-31.25°	26	27	28	29	29	29	29	29	29	29	28
-32.5°	20	21	22	23	23	24	24	24	23	23	22
-33.75°	15	16	16	17	18	18	18	18	18	17	16
-35°	11	11	12	12	12	12	12	12	12	12	12
-36.25°	9	9	10	10	10	10	10	10	10	10	10
-37.5°	8	8	8	8	8	8	8	8	8	8	8
-38.75°	7	7	7	7	7	7	7	7	7	7	7
-40°	6	6	6	6	6	6	7	6	6	6	6
-41.25°	6	6	6	6	6	6	6	6	6	6	6
-42.5°	6	6	6	6	6	6	6	6	6	6	6
-43.75°	5	5	5	5	5	5	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	4	4	5	5	5	5	5	5	5	5	5
-47.5°	4	4	4	4	4	4	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	4
-51.25°	3	3	3	3	3	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°	2	2	2	2	2	2	3	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	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	1	1	2	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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°	1	1	1	1	1	1	1	1	1	1	1
61.25°	2	2	2	2	2	2	2	2	2	1	1
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	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	3	2	2	2	2
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	3	3	3
50°	4	4	4	4	4	3	3	3	3	3	3
48.75°	4	4	4	4	4	4	4	4	4	4	3
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	5	5	5	5	5	5	4	4	4	4	4
43.75°	5	5	5	5	5	5	5	5	5	5	4
42.5°	6	6	5	5	5	5	5	5	5	5	5
41.25°	6	6	6	6	6	6	6	5	5	5	5
40°	6	6	6	6	6	6	6	6	6	6	5
38.75°	7	7	7	7	6	6	6	6	6	6	6
37.5°	8	8	7	7	7	7	7	7	6	6	6
36.25°	9	9	9	8	8	8	7	7	7	7	6
35°	11	11	11	10	10	9	8	8	8	7	7



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	16	15	13	12	12	11	10	10	9	8	8
32.5°	21	20	19	18	16	14	12	11	11	10	9
31.25°	27	26	24	23	21	19	17	15	13	12	11
30°	33	31	30	28	27	25	23	20	18	15	13
28.75°	39	37	36	34	32	30	28	25	23	20	17
27.5°	54	50	45	41	38	35	33	30	28	25	22
26.25°	93	82	71	58	50	43	39	35	33	30	27
25°	152	136	119	99	81	64	52	43	38	34	31
23.75°	218	200	179	156	131	106	82	61	49	40	36
22.5°	285	266	243	218	189	160	129	98	73	53	42
21.25°	351	331	308	281	251	218	183	148	113	81	56
20°	406	388	368	342	312	278	240	201	161	121	85
18.75°	455	436	417	395	368	335	297	255	212	168	124
17.5°	520	491	466	439	414	384	350	308	263	216	168
16.25°	607	568	530	490	458	426	395	358	312	263	212
15°	717	665	612	559	512	470	432	398	358	308	255
13.75°	854	786	714	644	581	523	474	432	395	350	297
12.5°	1006	925	837	745	663	588	523	470	426	384	335
11.25°	1173	1075	970	863	757	663	581	512	458	414	368
10°	1344	1232	1111	985	863	745	644	559	490	439	395
8.75°	1517	1389	1252	1111	970	837	714	612	530	466	417
7.5°	1683	1542	1389	1232	1075	925	786	665	568	491	436
6.25°	1836	1683	1517	1344	1173	1006	854	717	607	520	455
5°	1970	1807	1630	1445	1260	1082	916	765	640	544	472
3.75°	2077	1909	1722	1528	1332	1143	967	808	672	565	485
2.5°	2155	1985	1792	1590	1386	1190	1004	839	695	583	497
1.25°	2202	2029	1834	1628	1420	1218	1029	858	709	593	504
0°	2218	2045	1849	1641	1432	1228	1037	864	714	597	507
-1.25°	2202	2029	1834	1628	1420	1218	1029	858	709	593	504
-2.5°	2155	1985	1792	1590	1386	1190	1004	839	695	583	497
-3.75°	2077	1909	1722	1528	1332	1143	967	808	672	565	485
-5°	1970	1807	1630	1445	1260	1082	916	765	640	544	472
-6.25°	1836	1683	1517	1344	1173	1006	854	717	607	520	455
-7.5°	1683	1542	1389	1232	1075	925	786	665	568	491	436
-8.75°	1517	1389	1252	1111	970	837	714	612	530	466	417
-10°	1344	1232	1111	985	863	745	644	559	490	439	395
-11.25°	1173	1075	970	863	757	663	581	512	458	414	368
-12.5°	1006	925	837	745	663	588	523	470	426	384	335
-13.75°	854	786	714	644	581	523	474	432	395	350	297
-15°	717	665	612	559	512	470	432	398	358	308	255
-16.25°	607	568	530	490	458	426	395	358	312	263	212
-17.5°	520	491	466	439	414	384	350	308	263	216	168
-18.75°	455	436	417	395	368	335	297	255	212	168	124
-20°	406	388	368	342	312	278	240	201	161	121	85
-21.25°	351	331	308	281	251	218	183	148	113	81	56



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	285	266	243	218	189	160	129	98	73	53	42
-23.75°	218	200	179	156	131	106	82	61	49	40	36
-25°	152	136	119	99	81	64	52	43	38	34	31
-26.25°	93	82	71	58	50	43	39	35	33	30	27
-27.5°	54	50	45	41	38	35	33	30	28	25	22
-28.75°	39	37	36	34	32	30	28	25	23	20	17
-30°	33	31	30	28	27	25	23	20	18	15	13
-31.25°	27	26	24	23	21	19	17	15	13	12	11
-32.5°	21	20	19	18	16	14	12	11	11	10	9
-33.75°	16	15	13	12	12	11	10	10	9	8	8
-35°	11	11	11	10	10	9	8	8	8	7	7
-36.25°	9	9	9	8	8	8	7	7	7	7	6
-37.5°	8	8	7	7	7	7	7	7	6	6	6
-38.75°	7	7	7	7	6	6	6	6	6	6	6
-40°	6	6	6	6	6	6	6	6	6	6	5
-41.25°	6	6	6	6	6	6	6	5	5	5	5
-42.5°	6	6	5	5	5	5	5	5	5	5	5
-43.75°	5	5	5	5	5	5	5	5	5	5	4
-45°	5	5	5	5	5	5	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	3
-50°	4	4	4	4	4	3	3	3	3	3	3
-51.25°	3	3	3	3	3	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	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	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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°	1	1	1	1	1	1	1	1	1	1	1
60°	2	2	2	1	1	1	1	1	1	1	1
58.75°	2	2	2	2	2	2	1	1	1	1	1
57.5°	2	2	2	2	2	2	2	2	2	1	1
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°	3	2	2	2	2	2	2	2	2	2	2
52.5°	3	3	3	3	2	2	2	2	2	2	2
51.25°	3	3	3	3	3	3	2	2	2	2	2
50°	3	3	3	3	3	3	3	3	3	2	2
48.75°	3	3	3	3	3	3	3	3	3	3	3
47.5°	4	4	3	3	3	3	3	3	3	3	3
46.25°	4	4	4	4	3	3	3	3	3	3	3
45°	4	4	4	4	4	4	3	3	3	3	3
43.75°	4	4	4	4	4	4	4	4	3	3	3
42.5°	5	4	4	4	4	4	4	4	4	4	3
41.25°	5	5	5	5	4	4	4	4	4	4	4
40°	5	5	5	5	5	4	4	4	4	4	4
38.75°	6	5	5	5	5	5	5	4	4	4	4
37.5°	6	6	6	5	5	5	5	5	4	4	4
36.25°	6	6	6	6	6	5	5	5	5	5	4
35°	7	6	6	6	6	6	5	5	5	5	5



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	7	7	7	6	6	6	6	6	5	5	5
32.5°	8	8	7	7	6	6	6	6	6	5	5
31.25°	10	9	8	7	7	7	6	6	6	6	5
30°	11	10	9	8	8	7	7	6	6	6	6
28.75°	14	12	11	9	8	8	7	7	6	6	6
27.5°	19	16	12	11	10	8	8	7	7	6	6
26.25°	23	20	17	13	11	10	8	8	7	7	6
25°	28	24	21	17	13	11	10	8	8	7	6
23.75°	32	29	25	21	17	13	11	9	8	7	7
22.5°	37	33	29	25	21	17	12	11	9	8	7
21.25°	43	37	33	29	24	20	16	12	10	9	8
20°	57	43	37	32	28	23	19	14	11	10	8
18.75°	85	56	42	36	31	27	22	17	13	11	9
17.5°	121	81	53	40	34	30	25	20	15	12	10
16.25°	161	113	73	49	38	33	28	23	18	13	11
15°	201	148	98	61	43	35	30	25	20	15	11
13.75°	240	183	129	82	52	39	33	28	23	17	12
12.5°	278	218	160	106	64	43	35	30	25	19	14
11.25°	312	251	189	131	81	50	38	32	27	21	16
10°	342	281	218	156	99	58	41	34	28	23	18
8.75°	368	308	243	179	119	71	45	36	30	24	19
7.5°	388	331	266	200	136	82	50	37	31	26	20
6.25°	406	351	285	218	152	93	54	39	33	27	21
5°	419	366	302	233	166	105	59	40	33	28	22
3.75°	429	377	314	245	177	114	65	42	34	29	23
2.5°	436	385	323	254	184	120	70	44	35	29	23
1.25°	441	389	328	259	189	124	72	45	35	29	24
0°	442	391	330	261	191	126	73	45	35	29	24
-1.25°	441	389	328	259	189	124	72	45	35	29	24
-2.5°	436	385	323	254	184	120	70	44	35	29	23
-3.75°	429	377	314	245	177	114	65	42	34	29	23
-5°	419	366	302	233	166	105	59	40	33	28	22
-6.25°	406	351	285	218	152	93	54	39	33	27	21
-7.5°	388	331	266	200	136	82	50	37	31	26	20
-8.75°	368	308	243	179	119	71	45	36	30	24	19
-10°	342	281	218	156	99	58	41	34	28	23	18
-11.25°	312	251	189	131	81	50	38	32	27	21	16
-12.5°	278	218	160	106	64	43	35	30	25	19	14
-13.75°	240	183	129	82	52	39	33	28	23	17	12
-15°	201	148	98	61	43	35	30	25	20	15	11
-16.25°	161	113	73	49	38	33	28	23	18	13	11
-17.5°	121	81	53	40	34	30	25	20	15	12	10
-18.75°	85	56	42	36	31	27	22	17	13	11	9
-20°	57	43	37	32	28	23	19	14	11	10	8
-21.25°	43	37	33	29	24	20	16	12	10	9	8



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	37	33	29	25	21	17	12	11	9	8	7
-23.75°	32	29	25	21	17	13	11	9	8	7	7
-25°	28	24	21	17	13	11	10	8	8	7	6
-26.25°	23	20	17	13	11	10	8	8	7	7	6
-27.5°	19	16	12	11	10	8	8	7	7	6	6
-28.75°	14	12	11	9	8	8	7	7	6	6	6
-30°	11	10	9	8	8	7	7	6	6	6	6
-31.25°	10	9	8	7	7	7	6	6	6	6	5
-32.5°	8	8	7	7	6	6	6	6	6	5	5
-33.75°	7	7	7	6	6	6	6	6	5	5	5
-35°	7	6	6	6	6	6	5	5	5	5	5
-36.25°	6	6	6	6	6	5	5	5	5	5	4
-37.5°	6	6	6	5	5	5	5	5	4	4	4
-38.75°	6	5	5	5	5	5	5	4	4	4	4
-40°	5	5	5	5	5	4	4	4	4	4	4
-41.25°	5	5	5	5	4	4	4	4	4	4	4
-42.5°	5	4	4	4	4	4	4	4	4	4	3
-43.75°	4	4	4	4	4	4	4	4	3	3	3
-45°	4	4	4	4	4	4	3	3	3	3	3
-46.25°	4	4	4	4	3	3	3	3	3	3	3
-47.5°	4	4	3	3	3	3	3	3	3	3	3
-48.75°	3	3	3	3	3	3	3	3	3	3	3
-50°	3	3	3	3	3	3	3	3	3	2	2
-51.25°	3	3	3	3	3	3	2	2	2	2	2
-52.5°	3	3	3	3	2	2	2	2	2	2	2
-53.75°	3	2	2	2	2	2	2	2	2	2	2
-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°	2	2	2	2	2	2	2	2	2	1	1
-58.75°	2	2	2	2	2	2	1	1	1	1	1
-60°	2	2	2	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	0	0	0
-67.5°	1	1	1	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	0	0	0	0	0	0	0	0	0	0	0
63.75°	1	1	1	0	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°	1	1	1	1	1	1	1	1	1	1	1
56.25°	2	1	1	1	1	1	1	1	1	1	1
55°	2	2	2	1	1	1	1	1	1	1	1
53.75°	2	2	2	2	1	1	1	1	1	1	1
52.5°	2	2	2	2	2	2	1	1	1	1	1
51.25°	2	2	2	2	2	2	2	1	1	1	1
50°	2	2	2	2	2	2	2	2	2	1	1
48.75°	2	2	2	2	2	2	2	2	2	2	1
47.5°	3	2	2	2	2	2	2	2	2	2	2
46.25°	3	3	3	2	2	2	2	2	2	2	2
45°	3	3	3	3	2	2	2	2	2	2	2
43.75°	3	3	3	3	3	2	2	2	2	2	2
42.5°	3	3	3	3	3	3	2	2	2	2	2
41.25°	3	3	3	3	3	3	3	2	2	2	2
40°	4	3	3	3	3	3	3	3	2	2	2
38.75°	4	4	4	3	3	3	3	3	3	2	2
37.5°	4	4	4	4	3	3	3	3	3	3	2
36.25°	4	4	4	4	4	3	3	3	3	3	3
35°	4	4	4	4	4	3	3	3	3	3	3



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	4	4	4	4	4	3	3	3	3	3
32.5°	5	5	4	4	4	4	4	3	3	3	3
31.25°	5	5	5	4	4	4	4	4	3	3	3
30°	5	5	5	4	4	4	4	4	3	3	3
28.75°	6	5	5	5	4	4	4	4	4	3	3
27.5°	6	5	5	5	5	4	4	4	4	3	3
26.25°	6	6	5	5	5	4	4	4	4	4	3
25°	6	6	6	5	5	5	4	4	4	4	3
23.75°	6	6	6	5	5	5	5	4	4	4	4
22.5°	7	6	6	6	5	5	5	4	4	4	4
21.25°	7	6	6	6	5	5	5	4	4	4	4
20°	7	7	6	6	6	5	5	5	4	4	4
18.75°	8	7	6	6	6	5	5	5	4	4	4
17.5°	8	7	7	6	6	6	5	5	5	4	4
16.25°	9	8	7	6	6	6	5	5	5	4	4
15°	10	8	7	7	6	6	5	5	5	4	4
13.75°	10	8	7	7	6	6	6	5	5	4	4
12.5°	11	9	8	7	6	6	6	5	5	5	4
11.25°	12	10	8	7	6	6	6	5	5	5	4
10°	12	10	8	7	7	6	6	5	5	5	4
8.75°	13	11	9	7	7	6	6	5	5	5	4
7.5°	15	11	9	8	7	6	6	6	5	5	4
6.25°	16	11	9	8	7	6	6	6	5	5	4
5°	16	12	10	8	7	6	6	6	5	5	5
3.75°	17	12	10	8	7	6	6	6	5	5	5
2.5°	18	12	10	8	7	6	6	6	5	5	5
1.25°	18	12	10	8	7	6	6	6	5	5	5
0°	18	12	10	8	7	7	6	6	5	5	5
-1.25°	18	12	10	8	7	6	6	6	5	5	5
-2.5°	18	12	10	8	7	6	6	6	5	5	5
-3.75°	17	12	10	8	7	6	6	6	5	5	5
-5°	16	12	10	8	7	6	6	6	5	5	5
-6.25°	16	11	9	8	7	6	6	6	5	5	4
-7.5°	15	11	9	8	7	6	6	6	5	5	4
-8.75°	13	11	9	7	7	6	6	5	5	5	4
-10°	12	10	8	7	7	6	6	5	5	5	4
-11.25°	12	10	8	7	6	6	6	5	5	5	4
-12.5°	11	9	8	7	6	6	6	5	5	5	4
-13.75°	10	8	7	7	6	6	6	5	5	4	4
-15°	10	8	7	7	6	6	5	5	5	4	4
-16.25°	9	8	7	6	6	6	5	5	5	4	4
-17.5°	8	7	7	6	6	6	5	5	5	4	4
-18.75°	8	7	6	6	6	5	5	5	4	4	4
-20°	7	7	6	6	6	5	5	5	4	4	4
-21.25°	7	6	6	6	5	5	5	4	4	4	4



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	6	6	6	5	5	5	4	4	4	4
-23.75°	6	6	6	5	5	5	5	4	4	4	4
-25°	6	6	6	5	5	5	4	4	4	4	3
-26.25°	6	6	5	5	5	4	4	4	4	4	3
-27.5°	6	5	5	5	5	4	4	4	4	3	3
-28.75°	6	5	5	5	4	4	4	4	4	3	3
-30°	5	5	5	4	4	4	4	4	3	3	3
-31.25°	5	5	5	4	4	4	4	4	3	3	3
-32.5°	5	5	4	4	4	4	4	3	3	3	3
-33.75°	5	4	4	4	4	4	3	3	3	3	3
-35°	4	4	4	4	4	3	3	3	3	3	3
-36.25°	4	4	4	4	4	3	3	3	3	3	3
-37.5°	4	4	4	4	3	3	3	3	3	3	2
-38.75°	4	4	4	3	3	3	3	3	3	2	2
-40°	4	3	3	3	3	3	3	3	2	2	2
-41.25°	3	3	3	3	3	3	3	2	2	2	2
-42.5°	3	3	3	3	3	3	2	2	2	2	2
-43.75°	3	3	3	3	3	2	2	2	2	2	2
-45°	3	3	3	3	2	2	2	2	2	2	2
-46.25°	3	3	3	2	2	2	2	2	2	2	2
-47.5°	3	2	2	2	2	2	2	2	2	2	2
-48.75°	2	2	2	2	2	2	2	2	2	2	1
-50°	2	2	2	2	2	2	2	2	2	1	1
-51.25°	2	2	2	2	2	2	2	1	1	1	1
-52.5°	2	2	2	2	2	2	1	1	1	1	1
-53.75°	2	2	2	2	1	1	1	1	1	1	1
-55°	2	2	2	1	1	1	1	1	1	1	1
-56.25°	2	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	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	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	0	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°	1	1	1	1	1	1	1	1	1	0	0
47.5°	1	1	1	1	1	1	1	1	1	0	0
46.25°	2	1	1	1	1	1	1	1	1	1	0
45°	2	2	1	1	1	1	1	1	1	1	1
43.75°	2	2	2	1	1	1	1	1	1	1	1
42.5°	2	2	2	1	1	1	1	1	1	1	1
41.25°	2	2	2	2	1	1	1	1	1	1	1
40°	2	2	2	2	2	1	1	1	1	1	1
38.75°	2	2	2	2	2	1	1	1	1	1	1
37.5°	2	2	2	2	2	2	1	1	1	1	1
36.25°	2	2	2	2	2	2	2	1	1	1	1
35°	2	2	2	2	2	2	2	1	1	1	1



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	2	2	2	2	2	2	2	1	1	1
32.5°	3	3	2	2	2	2	2	2	1	1	1
31.25°	3	3	2	2	2	2	2	2	1	1	1
30°	3	3	3	2	2	2	2	2	2	1	1
28.75°	3	3	3	2	2	2	2	2	2	1	1
27.5°	3	3	3	2	2	2	2	2	2	1	1
26.25°	3	3	3	3	2	2	2	2	2	2	1
25°	3	3	3	3	2	2	2	2	2	2	1
23.75°	3	3	3	3	3	2	2	2	2	2	1
22.5°	3	3	3	3	3	2	2	2	2	2	2
21.25°	4	3	3	3	3	2	2	2	2	2	2
20°	4	3	3	3	3	3	2	2	2	2	2
18.75°	4	3	3	3	3	3	2	2	2	2	2
17.5°	4	4	3	3	3	3	2	2	2	2	2
16.25°	4	4	3	3	3	3	2	2	2	2	2
15°	4	4	3	3	3	3	2	2	2	2	2
13.75°	4	4	3	3	3	3	3	2	2	2	2
12.5°	4	4	3	3	3	3	3	2	2	2	2
11.25°	4	4	4	3	3	3	3	2	2	2	2
10°	4	4	4	3	3	3	3	2	2	2	2
8.75°	4	4	4	3	3	3	3	2	2	2	2
7.5°	4	4	4	3	3	3	3	2	2	2	2
6.25°	4	4	4	3	3	3	3	2	2	2	2
5°	4	4	4	3	3	3	3	2	2	2	2
3.75°	4	4	4	3	3	3	3	2	2	2	2
2.5°	4	4	4	3	3	3	3	2	2	2	2
1.25°	4	4	4	3	3	3	3	2	2	2	2
0°	4	4	4	3	3	3	3	3	2	2	2
-1.25°	4	4	4	3	3	3	3	2	2	2	2
-2.5°	4	4	4	3	3	3	3	2	2	2	2
-3.75°	4	4	4	3	3	3	3	2	2	2	2
-5°	4	4	4	3	3	3	3	2	2	2	2
-6.25°	4	4	4	3	3	3	3	2	2	2	2
-7.5°	4	4	4	3	3	3	3	2	2	2	2
-8.75°	4	4	4	3	3	3	3	2	2	2	2
-10°	4	4	4	3	3	3	3	2	2	2	2
-11.25°	4	4	4	3	3	3	3	2	2	2	2
-12.5°	4	4	3	3	3	3	3	2	2	2	2
-13.75°	4	4	3	3	3	3	3	2	2	2	2
-15°	4	4	3	3	3	3	2	2	2	2	2
-16.25°	4	4	3	3	3	3	2	2	2	2	2
-17.5°	4	4	3	3	3	3	2	2	2	2	2
-18.75°	4	3	3	3	3	3	2	2	2	2	2
-20°	4	3	3	3	3	3	2	2	2	2	2
-21.25°	4	3	3	3	3	2	2	2	2	2	2



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	3	3	3	3	3	2	2	2	2	2	2
-23.75°	3	3	3	3	3	2	2	2	2	2	1
-25°	3	3	3	3	2	2	2	2	2	2	1
-26.25°	3	3	3	3	2	2	2	2	2	2	1
-27.5°	3	3	3	2	2	2	2	2	2	1	1
-28.75°	3	3	3	2	2	2	2	2	2	1	1
-30°	3	3	3	2	2	2	2	2	2	1	1
-31.25°	3	3	2	2	2	2	2	2	1	1	1
-32.5°	3	3	2	2	2	2	2	2	1	1	1
-33.75°	3	2	2	2	2	2	2	2	1	1	1
-35°	2	2	2	2	2	2	2	1	1	1	1
-36.25°	2	2	2	2	2	2	2	1	1	1	1
-37.5°	2	2	2	2	2	2	1	1	1	1	1
-38.75°	2	2	2	2	2	1	1	1	1	1	1
-40°	2	2	2	2	2	1	1	1	1	1	1
-41.25°	2	2	2	2	1	1	1	1	1	1	1
-42.5°	2	2	2	1	1	1	1	1	1	1	1
-43.75°	2	2	2	1	1	1	1	1	1	1	1
-45°	2	2	1	1	1	1	1	1	1	1	1
-46.25°	2	1	1	1	1	1	1	1	1	1	0
-47.5°	1	1	1	1	1	1	1	1	1	0	0
-48.75°	1	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°	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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	0	0	0	0	0	0
22.5°	1	1	1	1	1	1	0	0	0	0	0
21.25°	1	1	1	1	1	1	0	0	0	0	0
20°	1	1	1	1	1	1	0	0	0	0	0
18.75°	1	1	1	1	1	1	0	0	0	0	0
17.5°	1	1	1	1	1	1	0	0	0	0	0
16.25°	2	1	1	1	1	1	0	0	0	0	0
15°	2	1	1	1	1	1	0	0	0	0	0
13.75°	2	1	1	1	1	1	0	0	0	0	0
12.5°	2	1	1	1	1	1	1	0	0	0	0
11.25°	2	1	1	1	1	1	1	0	0	0	0
10°	2	1	1	1	1	1	1	0	0	0	0
8.75°	2	1	1	1	1	1	1	0	0	0	0
7.5°	2	1	1	1	1	1	1	0	0	0	0
6.25°	2	1	1	1	1	1	1	0	0	0	0
5°	2	1	1	1	1	1	1	0	0	0	0
3.75°	2	1	1	1	1	1	1	0	0	0	0
2.5°	2	1	1	1	1	1	1	0	0	0	0
1.25°	2	1	1	1	1	1	1	0	0	0	0
0°	2	2	1	1	1	1	1	0	0	0	0
-1.25°	2	1	1	1	1	1	1	0	0	0	0
-2.5°	2	1	1	1	1	1	1	0	0	0	0
-3.75°	2	1	1	1	1	1	1	0	0	0	0
-5°	2	1	1	1	1	1	1	0	0	0	0
-6.25°	2	1	1	1	1	1	1	0	0	0	0
-7.5°	2	1	1	1	1	1	1	0	0	0	0
-8.75°	2	1	1	1	1	1	1	0	0	0	0
-10°	2	1	1	1	1	1	1	0	0	0	0
-11.25°	2	1	1	1	1	1	1	0	0	0	0
-12.5°	2	1	1	1	1	1	1	0	0	0	0
-13.75°	2	1	1	1	1	1	0	0	0	0	0
-15°	2	1	1	1	1	1	0	0	0	0	0
-16.25°	2	1	1	1	1	1	0	0	0	0	0
-17.5°	1	1	1	1	1	1	0	0	0	0	0
-18.75°	1	1	1	1	1	1	0	0	0	0	0
-20°	1	1	1	1	1	1	0	0	0	0	0
-21.25°	1	1	1	1	1	1	0	0	0	0	0



REPORT NUMBER: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1	1	1	1	1	1	0	0	0	0	0
-23.75°	1	1	1	1	1	0	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	0	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	0	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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220524 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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)