

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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

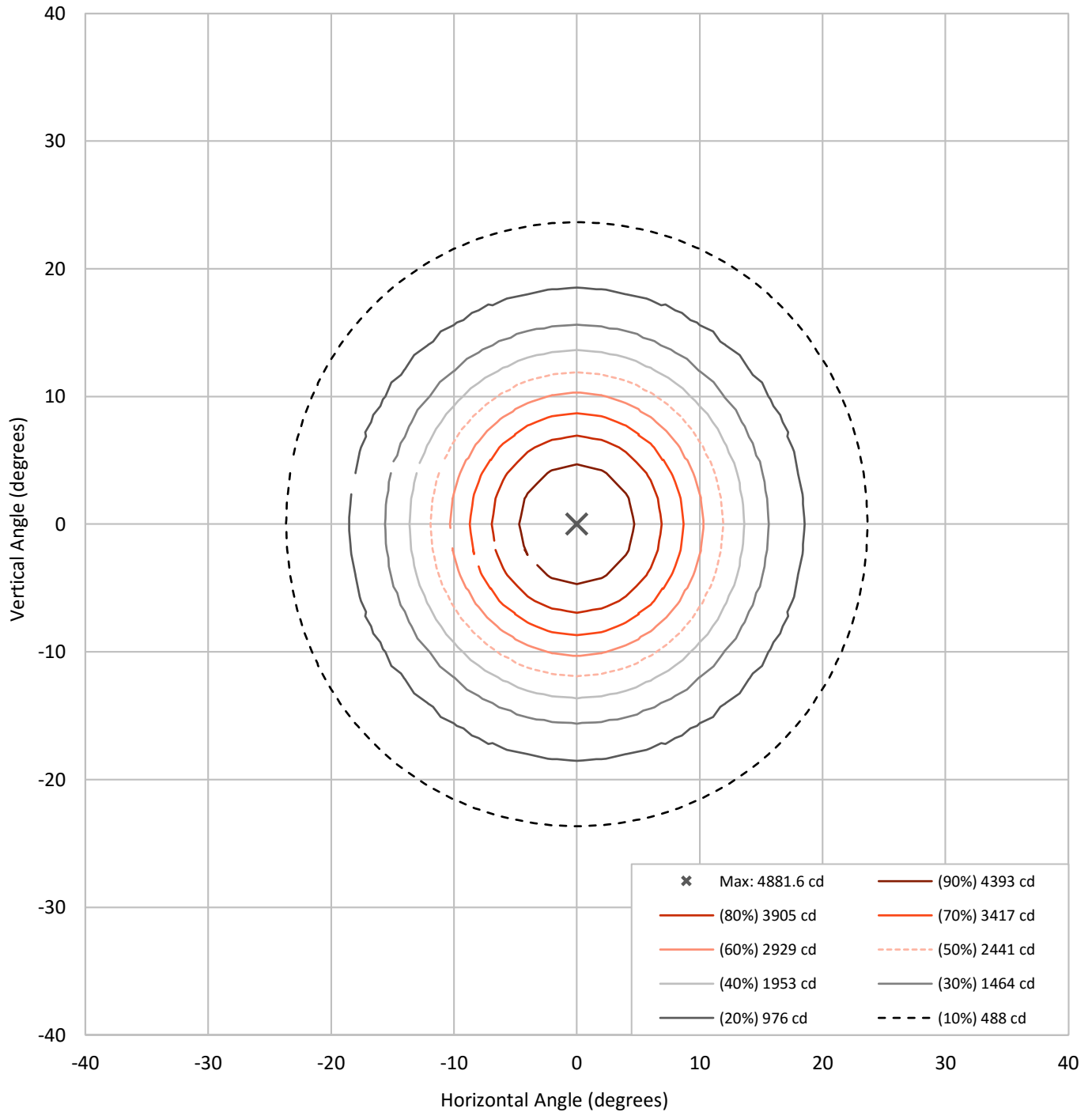
Test Method: LM-79-08
Report Number: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L2-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:	1017.2 lumens	Max Intensity:	4881.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	50.6 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:	477.5 lumens	Field Lumens:	916.9 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		

REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L2-UNV

Iso-Candela Plot





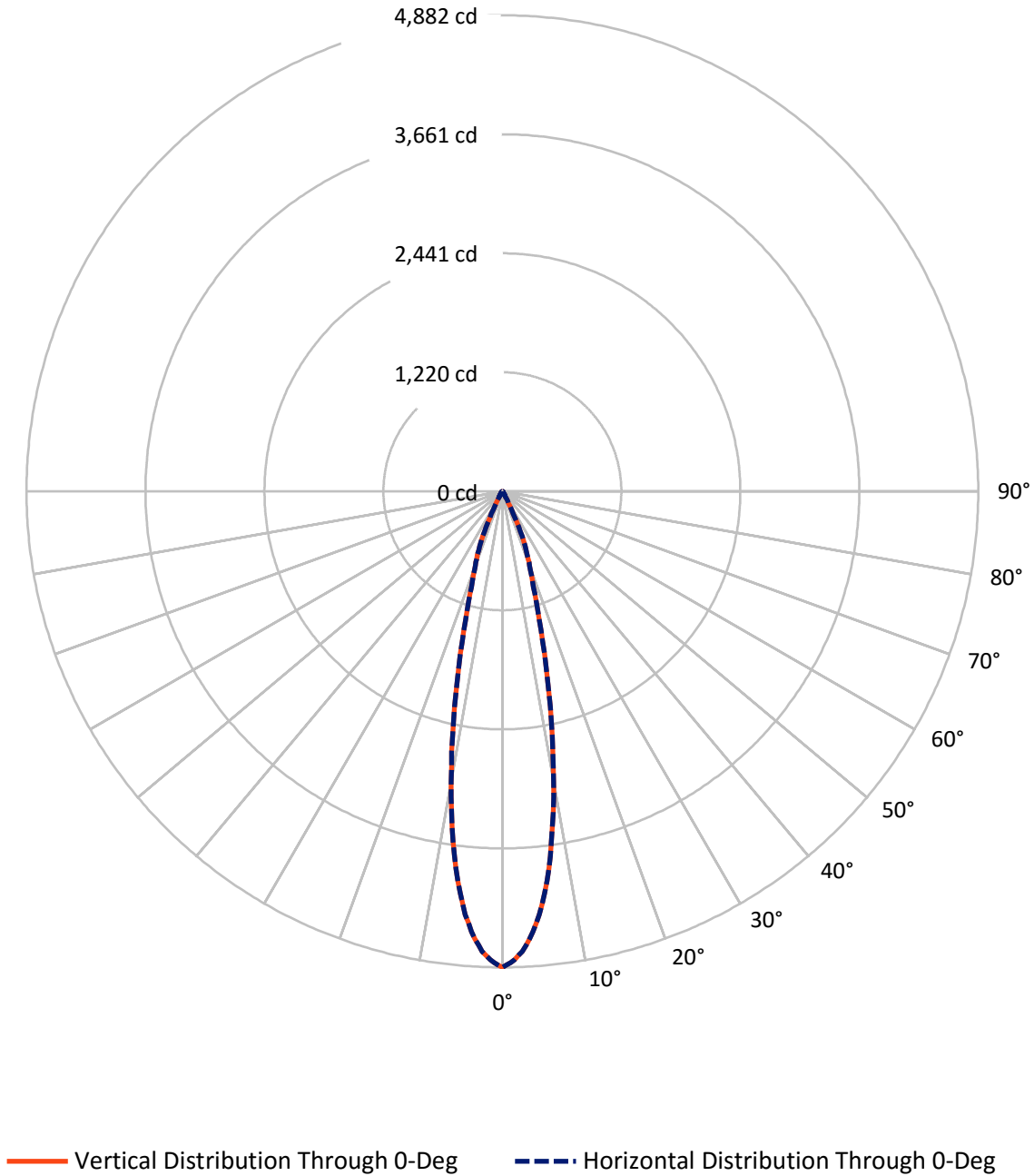
REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L2-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	
40		0.0	0.1	0.1	0.2	0.3	0.5	0.8	0.8	0.5	0.3	0.2	0.1	0.1		0.0
30	0.0	0.0	0.1	0.1	0.3	0.8	4.0	10.1	10.1	4.0	0.8	0.3	0.1	0.1	0.0	
20		0.0	0.1	0.2	0.5	3.8	21.4	45.0	45.0	21.4	3.8	0.5	0.2	0.1		0.0
10	0.0	0.0	0.1	0.2	0.7	9.4	43.8	110.0	110.0	43.8	9.4	0.7	0.2	0.1	0.0	
0		0.0	0.1	0.2	0.7	9.4	43.8	110.0	110.0	43.8	9.4	0.7	0.2	0.1		0.0
-10	0.0	0.0	0.1	0.2	0.5	3.8	21.4	45.0	45.0	21.4	3.8	0.5	0.2	0.1	0.0	
-20		0.0	0.1	0.1	0.3	0.8	4.0	10.1	10.1	4.0	0.8	0.3	0.1	0.1		0.0
-30	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.8	0.8	0.5	0.3	0.2	0.1	0.1	0.0	
-40		0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0		0.0
-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	
-60		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

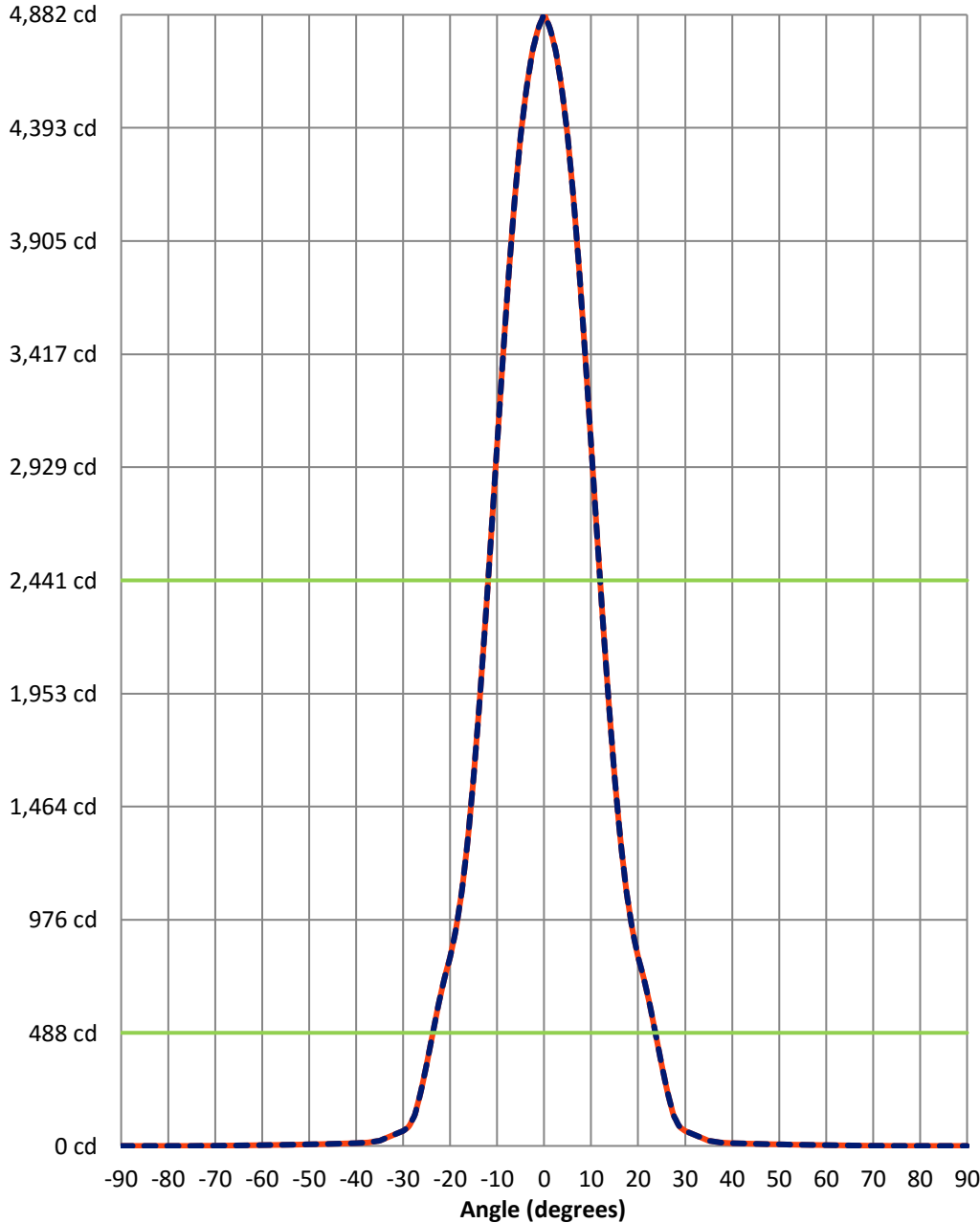
REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 23.8°
 V Angle: 23.8°
 Lumens: 477.5
 Efficiency: 46.9%

Field:
 H Angle: 47.4°
 V Angle: 47.4°
 Lumens: 916.9
 Efficiency: 90.1%

Spill:
 Lumens: 100.4
 Efficiency: 9.9%

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



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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	0	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	0	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	1	1	1	1	1
31.25°	0	0	0	0	0	1	1	1	1	1	1
30°	0	0	0	0	0	1	1	1	1	1	1
28.75°	0	0	0	0	0	1	1	1	1	1	1
27.5°	0	0	0	0	0	1	1	1	1	1	2
26.25°	0	0	0	0	0	1	1	1	1	1	2
25°	0	0	0	0	1	1	1	1	1	1	2
23.75°	0	0	0	0	1	1	1	1	1	1	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	1	2	2
18.75°	0	0	0	0	1	1	1	1	1	2	2
17.5°	0	0	0	0	1	1	1	1	1	2	2
16.25°	0	0	0	0	1	1	1	1	1	2	2
15°	0	0	0	1	1	1	1	1	2	2	2
13.75°	0	0	0	1	1	1	1	1	2	2	2
12.5°	0	0	0	1	1	1	1	1	2	2	2
11.25°	0	0	0	1	1	1	1	1	2	2	2
10°	0	0	0	1	1	1	1	1	2	2	2
8.75°	0	0	0	1	1	1	1	1	2	2	2
7.5°	0	0	0	1	1	1	1	1	2	2	2
6.25°	0	0	0	1	1	1	1	1	2	2	2
5°	0	0	0	1	1	1	1	1	2	2	2
3.75°	0	0	0	1	1	1	1	1	2	2	2
2.5°	0	0	0	1	1	1	1	1	2	2	2
1.25°	0	0	0	1	1	1	1	1	2	2	2
0°	0	0	0	1	1	1	1	1	2	2	2
-1.25°	0	0	0	1	1	1	1	1	2	2	2
-2.5°	0	0	0	1	1	1	1	1	2	2	2
-3.75°	0	0	0	1	1	1	1	1	2	2	2
-5°	0	0	0	1	1	1	1	1	2	2	2
-6.25°	0	0	0	1	1	1	1	1	2	2	2
-7.5°	0	0	0	1	1	1	1	1	2	2	2
-8.75°	0	0	0	1	1	1	1	1	2	2	2
-10°	0	0	0	1	1	1	1	1	2	2	2
-11.25°	0	0	0	1	1	1	1	1	2	2	2
-12.5°	0	0	0	1	1	1	1	1	2	2	2
-13.75°	0	0	0	1	1	1	1	1	2	2	2
-15°	0	0	0	1	1	1	1	1	2	2	2
-16.25°	0	0	0	0	1	1	1	1	1	2	2
-17.5°	0	0	0	0	1	1	1	1	1	2	2
-18.75°	0	0	0	0	1	1	1	1	1	2	2
-20°	0	0	0	0	1	1	1	1	1	2	2
-21.25°	0	0	0	0	1	1	1	1	1	2	2



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	1	2
-25°	0	0	0	0	1	1	1	1	1	1	2
-26.25°	0	0	0	0	0	1	1	1	1	1	2
-27.5°	0	0	0	0	0	1	1	1	1	1	2
-28.75°	0	0	0	0	0	1	1	1	1	1	1
-30°	0	0	0	0	0	1	1	1	1	1	1
-31.25°	0	0	0	0	0	1	1	1	1	1	1
-32.5°	0	0	0	0	0	0	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	0	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	0	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	0	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	1	1	1	1
58.75°	0	0	0	0	0	0	1	1	1	1	1
57.5°	0	0	0	0	0	1	1	1	1	1	1
56.25°	0	0	0	0	1	1	1	1	1	1	1
55°	0	0	0	1	1	1	1	1	1	1	1
53.75°	0	0	1	1	1	1	1	1	1	1	1
52.5°	0	1	1	1	1	1	1	1	1	1	2
51.25°	1	1	1	1	1	1	1	1	1	2	2
50°	1	1	1	1	1	1	1	1	2	2	2
48.75°	1	1	1	1	1	1	1	2	2	2	2
47.5°	1	1	1	1	1	1	1	2	2	2	2
46.25°	1	1	1	1	1	1	2	2	2	2	2
45°	1	1	1	1	1	2	2	2	2	2	3
43.75°	1	1	1	1	1	2	2	2	2	3	3
42.5°	1	1	1	1	2	2	2	2	3	3	3
41.25°	1	1	1	2	2	2	2	2	3	3	3
40°	1	1	1	2	2	2	2	3	3	3	3
38.75°	1	1	2	2	2	2	3	3	3	3	4
37.5°	1	1	2	2	2	2	3	3	3	3	4
36.25°	1	1	2	2	2	3	3	3	3	4	4
35°	1	2	2	2	2	3	3	3	3	4	4



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1	2	2	2	3	3	3	3	4	4	4
32.5°	2	2	2	2	3	3	3	3	4	4	4
31.25°	2	2	2	2	3	3	3	4	4	4	4
30°	2	2	2	3	3	3	3	4	4	4	5
28.75°	2	2	2	3	3	3	4	4	4	4	5
27.5°	2	2	2	3	3	3	4	4	4	5	5
26.25°	2	2	3	3	3	3	4	4	4	5	5
25°	2	2	3	3	3	4	4	4	4	5	5
23.75°	2	2	3	3	3	4	4	4	5	5	5
22.5°	2	2	3	3	3	4	4	4	5	5	5
21.25°	2	3	3	3	4	4	4	4	5	5	5
20°	2	3	3	3	4	4	4	5	5	5	6
18.75°	2	3	3	3	4	4	4	5	5	5	6
17.5°	2	3	3	3	4	4	4	5	5	5	6
16.25°	2	3	3	3	4	4	4	5	5	5	6
15°	3	3	3	4	4	4	5	5	5	6	6
13.75°	3	3	3	4	4	4	5	5	5	6	6
12.5°	3	3	3	4	4	4	5	5	5	6	6
11.25°	3	3	3	4	4	4	5	5	5	6	7
10°	3	3	3	4	4	4	5	5	5	6	7
8.75°	3	3	3	4	4	4	5	5	5	6	7
7.5°	3	3	3	4	4	4	5	5	5	6	7
6.25°	3	3	3	4	4	4	5	5	6	6	7
5°	3	3	3	4	4	5	5	5	6	6	7
3.75°	3	3	3	4	4	5	5	5	6	6	7
2.5°	3	3	3	4	4	5	5	5	6	6	7
1.25°	3	3	3	4	4	5	5	5	6	6	7
0°	3	3	4	4	4	5	5	5	6	6	7
-1.25°	3	3	3	4	4	5	5	5	6	6	7
-2.5°	3	3	3	4	4	5	5	5	6	6	7
-3.75°	3	3	3	4	4	5	5	5	6	6	7
-5°	3	3	3	4	4	5	5	5	6	6	7
-6.25°	3	3	3	4	4	4	5	5	6	6	7
-7.5°	3	3	3	4	4	4	5	5	5	6	7
-8.75°	3	3	3	4	4	4	5	5	5	6	7
-10°	3	3	3	4	4	4	5	5	5	6	7
-11.25°	3	3	3	4	4	4	5	5	5	6	7
-12.5°	3	3	3	4	4	4	5	5	5	6	6
-13.75°	3	3	3	4	4	4	5	5	5	6	6
-15°	3	3	3	4	4	4	5	5	5	6	6
-16.25°	2	3	3	3	4	4	4	5	5	5	6
-17.5°	2	3	3	3	4	4	4	5	5	5	6
-18.75°	2	3	3	3	4	4	4	5	5	5	6
-20°	2	3	3	3	4	4	4	5	5	5	6
-21.25°	2	3	3	3	4	4	4	4	5	5	5



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	2	3	3	3	4	4	4	5	5	5
-23.75°	2	2	3	3	3	4	4	4	5	5	5
-25°	2	2	3	3	3	4	4	4	4	5	5
-26.25°	2	2	3	3	3	3	4	4	4	5	5
-27.5°	2	2	2	3	3	3	4	4	4	5	5
-28.75°	2	2	2	3	3	3	4	4	4	4	5
-30°	2	2	2	3	3	3	3	4	4	4	5
-31.25°	2	2	2	2	3	3	3	4	4	4	4
-32.5°	2	2	2	2	3	3	3	3	4	4	4
-33.75°	1	2	2	2	3	3	3	3	4	4	4
-35°	1	2	2	2	2	3	3	3	3	4	4
-36.25°	1	1	2	2	2	3	3	3	3	4	4
-37.5°	1	1	2	2	2	2	3	3	3	3	4
-38.75°	1	1	2	2	2	2	3	3	3	3	4
-40°	1	1	1	2	2	2	2	3	3	3	3
-41.25°	1	1	1	2	2	2	2	2	3	3	3
-42.5°	1	1	1	1	2	2	2	2	3	3	3
-43.75°	1	1	1	1	1	2	2	2	2	3	3
-45°	1	1	1	1	1	2	2	2	2	2	3
-46.25°	1	1	1	1	1	1	2	2	2	2	2
-47.5°	1	1	1	1	1	1	1	2	2	2	2
-48.75°	1	1	1	1	1	1	1	2	2	2	2
-50°	1	1	1	1	1	1	1	1	2	2	2
-51.25°	1	1	1	1	1	1	1	1	1	2	2
-52.5°	0	1	1	1	1	1	1	1	1	1	2
-53.75°	0	0	1	1	1	1	1	1	1	1	1
-55°	0	0	0	1	1	1	1	1	1	1	1
-56.25°	0	0	0	0	1	1	1	1	1	1	1
-57.5°	0	0	0	0	0	1	1	1	1	1	1
-58.75°	0	0	0	0	0	0	1	1	1	1	1
-60°	0	0	0	0	0	0	0	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	1
67.5°	0	0	0	0	0	0	0	1	1	1	1
66.25°	0	0	0	0	1	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	2	2	2
58.75°	1	1	1	1	1	1	2	2	2	2	2
57.5°	1	1	1	1	1	2	2	2	2	2	2
56.25°	1	1	1	2	2	2	2	2	2	2	3
55°	1	1	2	2	2	2	2	2	3	3	3
53.75°	2	2	2	2	2	2	2	3	3	3	3
52.5°	2	2	2	2	2	3	3	3	3	3	3
51.25°	2	2	2	2	3	3	3	3	3	3	4
50°	2	2	2	3	3	3	3	3	4	4	4
48.75°	2	3	3	3	3	3	3	4	4	4	4
47.5°	3	3	3	3	3	3	4	4	4	4	4
46.25°	3	3	3	3	3	4	4	4	4	4	5
45°	3	3	3	4	4	4	4	4	4	5	5
43.75°	3	3	3	4	4	4	4	5	5	5	5
42.5°	3	3	4	4	4	4	5	5	5	5	5
41.25°	3	4	4	4	4	5	5	5	5	5	6
40°	4	4	4	4	5	5	5	5	5	6	6
38.75°	4	4	4	4	5	5	5	5	6	6	6
37.5°	4	4	4	5	5	5	5	6	6	7	7
36.25°	4	4	5	5	5	5	6	6	6	7	7
35°	4	5	5	5	5	6	6	6	7	7	7



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	4	5	5	5	5	6	6	7	7	7	8
32.5°	5	5	5	5	6	6	7	7	7	8	8
31.25°	5	5	5	6	6	7	7	7	8	8	8
30°	5	5	5	6	6	7	7	8	8	8	9
28.75°	5	5	6	6	7	7	7	8	8	9	9
27.5°	5	5	6	6	7	7	8	8	9	9	10
26.25°	5	6	6	7	7	7	8	8	9	9	10
25°	5	6	6	7	7	8	8	9	9	10	10
23.75°	5	6	7	7	7	8	8	9	10	10	11
22.5°	6	6	7	7	8	8	9	9	10	10	11
21.25°	6	7	7	7	8	8	9	10	10	11	11
20°	6	7	7	8	8	9	9	10	10	11	12
18.75°	6	7	7	8	8	9	9	10	11	11	12
17.5°	6	7	7	8	8	9	10	10	11	12	12
16.25°	7	7	8	8	9	9	10	11	11	12	13
15°	7	7	8	8	9	9	10	11	11	12	13
13.75°	7	7	8	8	9	10	10	11	12	12	14
12.5°	7	7	8	8	9	10	10	11	12	13	14
11.25°	7	8	8	9	9	10	11	11	12	13	15
10°	7	8	8	9	9	10	11	11	12	14	15
8.75°	7	8	8	9	10	10	11	12	12	14	16
7.5°	7	8	8	9	10	10	11	12	13	14	17
6.25°	7	8	8	9	10	10	11	12	13	14	17
5°	7	8	8	9	10	10	11	12	13	14	18
3.75°	7	8	8	9	10	11	11	12	13	15	18
2.5°	7	8	8	9	10	11	11	12	13	15	18
1.25°	7	8	8	9	10	11	11	12	13	15	19
0°	7	8	9	9	10	11	11	12	13	15	19
-1.25°	7	8	8	9	10	11	11	12	13	15	19
-2.5°	7	8	8	9	10	11	11	12	13	15	18
-3.75°	7	8	8	9	10	11	11	12	13	15	18
-5°	7	8	8	9	10	10	11	12	13	14	18
-6.25°	7	8	8	9	10	10	11	12	13	14	17
-7.5°	7	8	8	9	10	10	11	12	13	14	17
-8.75°	7	8	8	9	10	10	11	12	12	14	16
-10°	7	8	8	9	9	10	11	11	12	14	15
-11.25°	7	8	8	9	9	10	11	11	12	13	15
-12.5°	7	7	8	8	9	10	10	11	12	13	14
-13.75°	7	7	8	8	9	10	10	11	12	12	14
-15°	7	7	8	8	9	9	10	11	11	12	13
-16.25°	7	7	8	8	9	9	10	11	11	12	13
-17.5°	6	7	7	8	8	9	10	10	11	12	12
-18.75°	6	7	7	8	8	9	9	10	11	11	12
-20°	6	7	7	8	8	9	9	10	10	11	12
-21.25°	6	7	7	7	8	8	9	10	10	11	11



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	6	7	7	8	8	9	9	10	10	11
-23.75°	5	6	7	7	7	8	8	9	10	10	11
-25°	5	6	6	7	7	8	8	9	9	10	10
-26.25°	5	6	6	7	7	7	8	8	9	9	10
-27.5°	5	5	6	6	7	7	8	8	9	9	10
-28.75°	5	5	6	6	7	7	7	8	8	9	9
-30°	5	5	5	6	6	7	7	8	8	8	9
-31.25°	5	5	5	6	6	7	7	7	8	8	8
-32.5°	5	5	5	5	6	6	7	7	7	8	8
-33.75°	4	5	5	5	5	6	6	7	7	7	8
-35°	4	5	5	5	5	6	6	6	7	7	7
-36.25°	4	4	5	5	5	5	6	6	6	7	7
-37.5°	4	4	4	5	5	5	5	6	6	7	7
-38.75°	4	4	4	4	5	5	5	5	6	6	6
-40°	4	4	4	4	5	5	5	5	5	6	6
-41.25°	3	4	4	4	4	5	5	5	5	5	6
-42.5°	3	3	4	4	4	4	5	5	5	5	5
-43.75°	3	3	3	4	4	4	4	5	5	5	5
-45°	3	3	3	4	4	4	4	4	4	5	5
-46.25°	3	3	3	3	3	4	4	4	4	4	5
-47.5°	3	3	3	3	3	3	4	4	4	4	4
-48.75°	2	3	3	3	3	3	3	4	4	4	4
-50°	2	2	2	3	3	3	3	3	4	4	4
-51.25°	2	2	2	2	3	3	3	3	3	3	4
-52.5°	2	2	2	2	2	3	3	3	3	3	3
-53.75°	2	2	2	2	2	2	2	3	3	3	3
-55°	1	1	2	2	2	2	2	2	3	3	3
-56.25°	1	1	1	2	2	2	2	2	2	2	3
-57.5°	1	1	1	1	1	2	2	2	2	2	2
-58.75°	1	1	1	1	1	1	2	2	2	2	2
-60°	1	1	1	1	1	1	1	1	2	2	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	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	0	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	0	1	1	1
70°	0	0	0	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	2
63.75°	1	1	1	1	1	1	2	2	2	2	2
62.5°	1	1	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	3	3	3	3
58.75°	2	2	2	2	3	3	3	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	4	4	4
55°	3	3	3	3	3	4	4	4	4	4	4
53.75°	3	3	3	4	4	4	4	4	4	4	4
52.5°	3	4	4	4	4	4	4	4	4	5	5
51.25°	4	4	4	4	4	4	5	5	5	5	5
50°	4	4	4	4	5	5	5	5	5	5	5
48.75°	4	4	5	5	5	5	5	5	5	5	6
47.5°	5	5	5	5	5	5	5	6	6	6	6
46.25°	5	5	5	5	5	6	6	6	6	7	7
45°	5	5	5	6	6	6	6	7	7	7	7
43.75°	5	5	6	6	6	7	7	7	7	7	8
42.5°	6	6	6	7	7	7	7	7	8	8	8
41.25°	6	6	7	7	7	7	8	8	8	8	9
40°	6	7	7	7	8	8	8	8	9	9	9
38.75°	7	7	7	8	8	8	9	9	9	10	10
37.5°	7	7	8	8	8	9	9	9	10	10	10
36.25°	7	8	8	8	9	9	10	10	10	11	11
35°	8	8	8	9	9	10	10	10	11	11	12



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	8	8	9	9	10	10	11	11	11	12	12
32.5°	8	9	9	10	10	11	11	12	12	13	13
31.25°	9	9	10	10	11	11	12	12	13	14	14
30°	9	10	10	11	11	12	12	13	14	15	17
28.75°	10	10	11	11	12	12	13	14	15	18	20
27.5°	10	11	11	12	12	13	14	15	18	20	23
26.25°	10	11	12	12	13	14	15	18	21	24	31
25°	11	11	12	13	14	15	18	21	25	32	38
23.75°	11	12	13	14	15	18	20	24	32	39	46
22.5°	12	12	13	14	17	20	23	31	38	46	53
21.25°	12	13	14	16	19	22	29	37	45	53	60
20°	12	14	15	18	21	27	35	43	51	59	68
18.75°	13	14	16	20	23	32	41	49	57	66	77
17.5°	14	15	18	21	28	37	46	55	63	74	98
16.25°	14	16	20	24	33	42	51	60	70	90	135
15°	15	18	21	28	38	47	56	65	79	113	181
13.75°	15	19	23	32	42	51	61	72	96	151	238
12.5°	17	20	26	36	46	55	65	80	119	195	295
11.25°	18	21	29	39	49	59	70	93	150	241	349
10°	19	23	32	42	52	62	75	107	183	287	401
8.75°	20	25	35	45	55	66	83	131	219	330	449
7.5°	20	27	37	48	58	69	92	152	251	368	490
6.25°	21	29	39	50	60	72	100	172	281	402	526
5°	22	30	41	51	62	75	110	193	306	430	556
3.75°	22	32	42	53	63	77	121	210	326	452	579
2.5°	22	33	43	54	64	80	129	222	340	468	595
1.25°	23	33	44	54	65	83	134	229	349	477	605
0°	23	33	44	54	65	83	135	232	352	481	608
-1.25°	23	33	44	54	65	83	134	229	349	477	605
-2.5°	22	33	43	54	64	80	129	222	340	468	595
-3.75°	22	32	42	53	63	77	121	210	326	452	579
-5°	22	30	41	51	62	75	110	193	306	430	556
-6.25°	21	29	39	50	60	72	100	172	281	402	526
-7.5°	20	27	37	48	58	69	92	152	251	368	490
-8.75°	20	25	35	45	55	66	83	131	219	330	449
-10°	19	23	32	42	52	62	75	107	183	287	401
-11.25°	18	21	29	39	49	59	70	93	150	241	349
-12.5°	17	20	26	36	46	55	65	80	119	195	295
-13.75°	15	19	23	32	42	51	61	72	96	151	238
-15°	15	18	21	28	38	47	56	65	79	113	181
-16.25°	14	16	20	24	33	42	51	60	70	90	135
-17.5°	14	15	18	21	28	37	46	55	63	74	98
-18.75°	13	14	16	20	23	32	41	49	57	66	77
-20°	12	14	15	18	21	27	35	43	51	59	68
-21.25°	12	13	14	16	19	22	29	37	45	53	60



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	12	12	13	14	17	20	23	31	38	46	53
-23.75°	11	12	13	14	15	18	20	24	32	39	46
-25°	11	11	12	13	14	15	18	21	25	32	38
-26.25°	10	11	12	12	13	14	15	18	21	24	31
-27.5°	10	11	11	12	12	13	14	15	18	20	23
-28.75°	10	10	11	11	12	12	13	14	15	18	20
-30°	9	10	10	11	11	12	12	13	14	15	17
-31.25°	9	9	10	10	11	11	12	12	13	14	14
-32.5°	8	9	9	10	10	11	11	12	12	13	13
-33.75°	8	8	9	9	10	10	11	11	11	12	12
-35°	8	8	8	9	9	10	10	10	11	11	12
-36.25°	7	8	8	8	9	9	10	10	10	11	11
-37.5°	7	7	8	8	8	9	9	9	10	10	10
-38.75°	7	7	7	8	8	8	9	9	9	10	10
-40°	6	7	7	7	8	8	8	8	9	9	9
-41.25°	6	6	7	7	7	7	8	8	8	8	9
-42.5°	6	6	6	7	7	7	7	7	8	8	8
-43.75°	5	5	6	6	6	7	7	7	7	7	8
-45°	5	5	5	6	6	6	6	7	7	7	7
-46.25°	5	5	5	5	5	6	6	6	6	7	7
-47.5°	5	5	5	5	5	5	5	6	6	6	6
-48.75°	4	4	5	5	5	5	5	5	5	5	6
-50°	4	4	4	4	5	5	5	5	5	5	5
-51.25°	4	4	4	4	4	4	5	5	5	5	5
-52.5°	3	4	4	4	4	4	4	4	4	5	5
-53.75°	3	3	3	4	4	4	4	4	4	4	4
-55°	3	3	3	3	3	4	4	4	4	4	4
-56.25°	3	3	3	3	3	3	3	3	4	4	4
-57.5°	2	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	3	3	3	3
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	2	2	2	2	2
-65°	1	1	1	1	1	1	1	1	1	1	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	0	1	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	0	0	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	0	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	5	5	5	5	5	5
53.75°	4	5	5	5	5	5	5	5	5	5	5
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	6	6	6	6	6	6
50°	5	6	6	6	6	6	6	6	7	7	7
48.75°	6	6	6	6	7	7	7	7	7	7	7
47.5°	7	7	7	7	7	7	7	7	8	8	8
46.25°	7	7	7	7	8	8	8	8	8	8	8
45°	7	8	8	8	8	8	8	8	9	9	9
43.75°	8	8	8	8	9	9	9	9	9	9	10
42.5°	8	9	9	9	9	9	10	10	10	10	10
41.25°	9	9	9	10	10	10	10	10	11	11	11
40°	10	10	10	10	11	11	11	11	11	11	12
38.75°	10	10	11	11	11	11	12	12	12	12	12
37.5°	11	11	11	12	12	12	12	13	13	14	14
36.25°	11	12	12	12	13	13	14	14	15	15	16
35°	12	12	13	14	14	15	15	17	18	19	20



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	13	14	14	15	16	18	19	20	21	23	25
32.5°	14	15	16	18	20	21	23	26	29	32	35
31.25°	16	18	20	21	24	28	32	36	39	42	45
30°	19	21	23	28	33	38	42	46	49	52	55
28.75°	22	27	32	37	42	47	51	55	59	62	66
27.5°	29	35	41	46	51	56	61	65	70	75	83
26.25°	37	43	49	55	60	65	72	80	93	107	131
25°	45	51	57	63	70	79	96	119	150	183	219
23.75°	53	59	66	74	90	113	151	195	241	287	330
22.5°	60	68	77	98	135	181	238	295	349	401	449
21.25°	68	80	103	149	208	272	338	402	463	518	568
20°	80	105	157	224	297	371	443	512	575	631	678
18.75°	103	157	229	309	391	471	547	617	678	728	769
17.5°	149	224	309	398	485	569	646	709	763	809	860
16.25°	208	297	391	485	576	660	728	786	844	904	977
15°	272	371	471	569	660	734	797	866	944	1030	1129
13.75°	338	443	547	646	728	797	873	965	1071	1187	1316
12.5°	402	512	617	709	786	866	965	1085	1222	1373	1543
11.25°	463	575	678	763	844	944	1071	1222	1396	1591	1789
10°	518	631	728	809	904	1030	1187	1373	1591	1816	2048
8.75°	568	678	769	860	977	1129	1316	1543	1789	2048	2308
7.5°	610	716	805	906	1047	1227	1449	1706	1983	2271	2562
6.25°	647	748	840	959	1119	1322	1575	1856	2163	2479	2798
5°	674	772	871	1003	1180	1411	1689	1996	2323	2665	3005
3.75°	694	791	895	1042	1239	1490	1782	2108	2455	2818	3176
2.5°	709	804	916	1075	1282	1547	1851	2194	2557	2932	3304
1.25°	718	812	930	1094	1308	1581	1897	2247	2619	3003	3383
0°	721	815	935	1101	1317	1593	1912	2265	2640	3027	3409
-1.25°	718	812	930	1094	1308	1581	1897	2247	2619	3003	3383
-2.5°	709	804	916	1075	1282	1547	1851	2194	2557	2932	3304
-3.75°	694	791	895	1042	1239	1490	1782	2108	2455	2818	3176
-5°	674	772	871	1003	1180	1411	1689	1996	2323	2665	3005
-6.25°	647	748	840	959	1119	1322	1575	1856	2163	2479	2798
-7.5°	610	716	805	906	1047	1227	1449	1706	1983	2271	2562
-8.75°	568	678	769	860	977	1129	1316	1543	1789	2048	2308
-10°	518	631	728	809	904	1030	1187	1373	1591	1816	2048
-11.25°	463	575	678	763	844	944	1071	1222	1396	1591	1789
-12.5°	402	512	617	709	786	866	965	1085	1222	1373	1543
-13.75°	338	443	547	646	728	797	873	965	1071	1187	1316
-15°	272	371	471	569	660	734	797	866	944	1030	1129
-16.25°	208	297	391	485	576	660	728	786	844	904	977
-17.5°	149	224	309	398	485	569	646	709	763	809	860
-18.75°	103	157	229	309	391	471	547	617	678	728	769
-20°	80	105	157	224	297	371	443	512	575	631	678
-21.25°	68	80	103	149	208	272	338	402	463	518	568



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	60	68	77	98	135	181	238	295	349	401	449
-23.75°	53	59	66	74	90	113	151	195	241	287	330
-25°	45	51	57	63	70	79	96	119	150	183	219
-26.25°	37	43	49	55	60	65	72	80	93	107	131
-27.5°	29	35	41	46	51	56	61	65	70	75	83
-28.75°	22	27	32	37	42	47	51	55	59	62	66
-30°	19	21	23	28	33	38	42	46	49	52	55
-31.25°	16	18	20	21	24	28	32	36	39	42	45
-32.5°	14	15	16	18	20	21	23	26	29	32	35
-33.75°	13	14	14	15	16	18	19	20	21	23	25
-35°	12	12	13	14	14	15	15	17	18	19	20
-36.25°	11	12	12	12	13	13	14	14	15	15	16
-37.5°	11	11	11	12	12	12	12	13	13	14	14
-38.75°	10	10	11	11	11	11	12	12	12	12	12
-40°	10	10	10	10	11	11	11	11	11	11	12
-41.25°	9	9	9	10	10	10	10	10	11	11	11
-42.5°	8	9	9	9	9	9	10	10	10	10	10
-43.75°	8	8	8	8	9	9	9	9	9	9	10
-45°	7	8	8	8	8	8	8	8	9	9	9
-46.25°	7	7	7	7	8	8	8	8	8	8	8
-47.5°	7	7	7	7	7	7	7	7	8	8	8
-48.75°	6	6	6	6	7	7	7	7	7	7	7
-50°	5	6	6	6	6	6	6	6	7	7	7
-51.25°	5	5	5	5	5	6	6	6	6	6	6
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	4	5	5	5	5	5	5	5	5	5	5
-55°	4	4	4	4	4	5	5	5	5	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	3	3	3	3	3	4	4	4	4	4	4
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	1	1	1	1	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	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	3	3	3	4	3	3	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	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	5	5	5	5	5	5
52.5°	5	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	7	7	7	7	7	7	7	7	7	7	7
48.75°	7	7	7	7	7	7	7	7	7	7	7
47.5°	8	8	8	8	8	8	8	8	8	8	8
46.25°	8	8	8	8	8	8	9	8	8	8	8
45°	9	9	9	9	9	9	9	9	9	9	9
43.75°	10	10	10	10	10	10	10	10	10	10	10
42.5°	10	10	10	11	11	11	11	11	11	11	10
41.25°	11	11	11	11	11	11	11	11	11	11	11
40°	12	12	12	12	12	12	12	12	12	12	12
38.75°	13	13	13	13	13	13	13	13	13	13	13
37.5°	14	14	14	15	15	15	15	15	15	15	14
36.25°	17	17	18	18	18	19	19	19	18	18	18
35°	20	21	22	22	22	23	23	23	22	22	22



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	27	29	30	32	33	33	33	33	33	32	30
32.5°	37	39	41	42	43	44	44	44	43	42	41
31.25°	48	50	51	53	54	54	54	54	54	53	51
30°	58	60	62	63	64	65	65	65	64	63	62
28.75°	69	72	75	77	80	83	83	83	80	77	75
27.5°	92	100	110	121	129	134	135	134	129	121	110
26.25°	152	172	193	210	222	229	232	229	222	210	193
25°	251	281	306	326	340	349	352	349	340	326	306
23.75°	368	402	430	452	468	477	481	477	468	452	430
22.5°	490	526	556	579	595	605	608	605	595	579	556
21.25°	610	647	674	694	709	718	721	718	709	694	674
20°	716	748	772	791	804	812	815	812	804	791	772
18.75°	805	840	871	895	916	930	935	930	916	895	871
17.5°	906	959	1003	1042	1075	1094	1101	1094	1075	1042	1003
16.25°	1047	1119	1180	1239	1282	1308	1317	1308	1282	1239	1180
15°	1227	1322	1411	1490	1547	1581	1593	1581	1547	1490	1411
13.75°	1449	1575	1689	1782	1851	1897	1912	1897	1851	1782	1689
12.5°	1706	1856	1996	2108	2194	2247	2265	2247	2194	2108	1996
11.25°	1983	2163	2323	2455	2557	2619	2640	2619	2557	2455	2323
10°	2271	2479	2665	2818	2932	3003	3027	3003	2932	2818	2665
8.75°	2562	2798	3005	3176	3304	3383	3409	3383	3304	3176	3005
7.5°	2843	3103	3333	3519	3660	3742	3771	3742	3660	3519	3333
6.25°	3103	3385	3634	3830	3974	4060	4090	4060	3974	3830	3634
5°	3333	3634	3890	4091	4236	4326	4358	4326	4236	4091	3890
3.75°	3519	3830	4091	4295	4443	4537	4566	4537	4443	4295	4091
2.5°	3660	3974	4236	4443	4596	4692	4722	4692	4596	4443	4236
1.25°	3742	4060	4326	4537	4692	4789	4825	4789	4692	4537	4326
0°	3771	4090	4358	4566	4722	4825	4882	4825	4722	4566	4358
-1.25°	3742	4060	4326	4537	4692	4789	4825	4789	4692	4537	4326
-2.5°	3660	3974	4236	4443	4596	4692	4722	4692	4596	4443	4236
-3.75°	3519	3830	4091	4295	4443	4537	4566	4537	4443	4295	4091
-5°	3333	3634	3890	4091	4236	4326	4358	4326	4236	4091	3890
-6.25°	3103	3385	3634	3830	3974	4060	4090	4060	3974	3830	3634
-7.5°	2843	3103	3333	3519	3660	3742	3771	3742	3660	3519	3333
-8.75°	2562	2798	3005	3176	3304	3383	3409	3383	3304	3176	3005
-10°	2271	2479	2665	2818	2932	3003	3027	3003	2932	2818	2665
-11.25°	1983	2163	2323	2455	2557	2619	2640	2619	2557	2455	2323
-12.5°	1706	1856	1996	2108	2194	2247	2265	2247	2194	2108	1996
-13.75°	1449	1575	1689	1782	1851	1897	1912	1897	1851	1782	1689
-15°	1227	1322	1411	1490	1547	1581	1593	1581	1547	1490	1411
-16.25°	1047	1119	1180	1239	1282	1308	1317	1308	1282	1239	1180
-17.5°	906	959	1003	1042	1075	1094	1101	1094	1075	1042	1003
-18.75°	805	840	871	895	916	930	935	930	916	895	871
-20°	716	748	772	791	804	812	815	812	804	791	772
-21.25°	610	647	674	694	709	718	721	718	709	694	674



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	490	526	556	579	595	605	608	605	595	579	556
-23.75°	368	402	430	452	468	477	481	477	468	452	430
-25°	251	281	306	326	340	349	352	349	340	326	306
-26.25°	152	172	193	210	222	229	232	229	222	210	193
-27.5°	92	100	110	121	129	134	135	134	129	121	110
-28.75°	69	72	75	77	80	83	83	83	80	77	75
-30°	58	60	62	63	64	65	65	65	64	63	62
-31.25°	48	50	51	53	54	54	54	54	54	53	51
-32.5°	37	39	41	42	43	44	44	44	43	42	41
-33.75°	27	29	30	32	33	33	33	33	33	32	30
-35°	20	21	22	22	22	23	23	23	22	22	22
-36.25°	17	17	18	18	18	19	19	19	18	18	18
-37.5°	14	14	14	15	15	15	15	15	15	15	14
-38.75°	13	13	13	13	13	13	13	13	13	13	13
-40°	12	12	12	12	12	12	12	12	12	12	12
-41.25°	11	11	11	11	11	11	11	11	11	11	11
-42.5°	10	10	10	11	11	11	11	11	11	11	10
-43.75°	10	10	10	10	10	10	10	10	10	10	10
-45°	9	9	9	9	9	9	9	9	9	9	9
-46.25°	8	8	8	8	8	8	9	8	8	8	8
-47.5°	8	8	8	8	8	8	8	8	8	8	8
-48.75°	7	7	7	7	7	7	7	7	7	7	7
-50°	7	7	7	7	7	7	7	7	7	7	7
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	5	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	5	5	5	5	5	5
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	4	4	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	3	4	3	3	3	3
-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	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	0	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°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	1	1	1
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	2	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	4	4	4	4	4	4	4	4	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	5	5	5	5	4	4	4
53.75°	5	5	5	5	5	5	5	5	5	5	5
52.5°	6	5	5	5	5	5	5	5	5	5	5
51.25°	6	6	6	6	6	6	6	6	5	5	5
50°	7	7	7	7	7	6	6	6	6	6	6
48.75°	7	7	7	7	7	7	7	7	7	6	6
47.5°	8	8	8	8	8	7	7	7	7	7	7
46.25°	8	8	8	8	8	8	8	8	8	7	7
45°	9	9	9	9	9	8	8	8	8	8	8
43.75°	10	10	10	9	9	9	9	9	9	8	8
42.5°	10	10	10	10	10	10	10	9	9	9	9
41.25°	11	11	11	11	11	10	10	10	10	10	9
40°	12	12	12	11	11	11	11	11	11	10	10
38.75°	13	13	12	12	12	12	12	11	11	11	11
37.5°	14	14	14	14	13	13	12	12	12	12	11
36.25°	17	17	16	15	15	14	14	13	13	12	12
35°	21	20	20	19	18	17	15	15	14	14	13



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	29	27	25	23	21	20	19	18	16	15	14
32.5°	39	37	35	32	29	26	23	21	20	18	16
31.25°	50	48	45	42	39	36	32	28	24	21	20
30°	60	58	55	52	49	46	42	38	33	28	23
28.75°	72	69	66	62	59	55	51	47	42	37	32
27.5°	100	92	83	75	70	65	61	56	51	46	41
26.25°	172	152	131	107	93	80	72	65	60	55	49
25°	281	251	219	183	150	119	96	79	70	63	57
23.75°	402	368	330	287	241	195	151	113	90	74	66
22.5°	526	490	449	401	349	295	238	181	135	98	77
21.25°	647	610	568	518	463	402	338	272	208	149	103
20°	748	716	678	631	575	512	443	371	297	224	157
18.75°	840	805	769	728	678	617	547	471	391	309	229
17.5°	959	906	860	809	763	709	646	569	485	398	309
16.25°	1119	1047	977	904	844	786	728	660	576	485	391
15°	1322	1227	1129	1030	944	866	797	734	660	569	471
13.75°	1575	1449	1316	1187	1071	965	873	797	728	646	547
12.5°	1856	1706	1543	1373	1222	1085	965	866	786	709	617
11.25°	2163	1983	1789	1591	1396	1222	1071	944	844	763	678
10°	2479	2271	2048	1816	1591	1373	1187	1030	904	809	728
8.75°	2798	2562	2308	2048	1789	1543	1316	1129	977	860	769
7.5°	3103	2843	2562	2271	1983	1706	1449	1227	1047	906	805
6.25°	3385	3103	2798	2479	2163	1856	1575	1322	1119	959	840
5°	3634	3333	3005	2665	2323	1996	1689	1411	1180	1003	871
3.75°	3830	3519	3176	2818	2455	2108	1782	1490	1239	1042	895
2.5°	3974	3660	3304	2932	2557	2194	1851	1547	1282	1075	916
1.25°	4060	3742	3383	3003	2619	2247	1897	1581	1308	1094	930
0°	4090	3771	3409	3027	2640	2265	1912	1593	1317	1101	935
-1.25°	4060	3742	3383	3003	2619	2247	1897	1581	1308	1094	930
-2.5°	3974	3660	3304	2932	2557	2194	1851	1547	1282	1075	916
-3.75°	3830	3519	3176	2818	2455	2108	1782	1490	1239	1042	895
-5°	3634	3333	3005	2665	2323	1996	1689	1411	1180	1003	871
-6.25°	3385	3103	2798	2479	2163	1856	1575	1322	1119	959	840
-7.5°	3103	2843	2562	2271	1983	1706	1449	1227	1047	906	805
-8.75°	2798	2562	2308	2048	1789	1543	1316	1129	977	860	769
-10°	2479	2271	2048	1816	1591	1373	1187	1030	904	809	728
-11.25°	2163	1983	1789	1591	1396	1222	1071	944	844	763	678
-12.5°	1856	1706	1543	1373	1222	1085	965	866	786	709	617
-13.75°	1575	1449	1316	1187	1071	965	873	797	728	646	547
-15°	1322	1227	1129	1030	944	866	797	734	660	569	471
-16.25°	1119	1047	977	904	844	786	728	660	576	485	391
-17.5°	959	906	860	809	763	709	646	569	485	398	309
-18.75°	840	805	769	728	678	617	547	471	391	309	229
-20°	748	716	678	631	575	512	443	371	297	224	157
-21.25°	647	610	568	518	463	402	338	272	208	149	103



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	526	490	449	401	349	295	238	181	135	98	77
-23.75°	402	368	330	287	241	195	151	113	90	74	66
-25°	281	251	219	183	150	119	96	79	70	63	57
-26.25°	172	152	131	107	93	80	72	65	60	55	49
-27.5°	100	92	83	75	70	65	61	56	51	46	41
-28.75°	72	69	66	62	59	55	51	47	42	37	32
-30°	60	58	55	52	49	46	42	38	33	28	23
-31.25°	50	48	45	42	39	36	32	28	24	21	20
-32.5°	39	37	35	32	29	26	23	21	20	18	16
-33.75°	29	27	25	23	21	20	19	18	16	15	14
-35°	21	20	20	19	18	17	15	15	14	14	13
-36.25°	17	17	16	15	15	14	14	13	13	12	12
-37.5°	14	14	14	14	13	13	12	12	12	12	11
-38.75°	13	13	12	12	12	12	12	11	11	11	11
-40°	12	12	12	11	11	11	11	11	11	10	10
-41.25°	11	11	11	11	11	10	10	10	10	10	9
-42.5°	10	10	10	10	10	10	10	9	9	9	9
-43.75°	10	10	10	9	9	9	9	9	9	8	8
-45°	9	9	9	9	9	8	8	8	8	8	8
-46.25°	8	8	8	8	8	8	8	8	8	7	7
-47.5°	8	8	8	8	8	7	7	7	7	7	7
-48.75°	7	7	7	7	7	7	7	7	7	6	6
-50°	7	7	7	7	7	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	5	5	5
-52.5°	6	5	5	5	5	5	5	5	5	5	5
-53.75°	5	5	5	5	5	5	5	5	5	5	5
-55°	5	5	5	5	5	5	5	5	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	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°	2	2	2	1	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	3	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	3	3	2	2
57.5°	4	4	3	3	3	3	3	3	3	3	3
56.25°	4	4	4	4	4	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	3	3	3
53.75°	5	4	4	4	4	4	4	4	4	4	3
52.5°	5	5	5	5	4	4	4	4	4	4	4
51.25°	5	5	5	5	5	5	5	4	4	4	4
50°	6	5	5	5	5	5	5	5	5	4	4
48.75°	6	6	6	5	5	5	5	5	5	5	5
47.5°	7	7	6	6	6	6	5	5	5	5	5
46.25°	7	7	7	7	6	6	6	6	5	5	5
45°	8	7	7	7	7	7	6	6	6	6	5
43.75°	8	8	8	7	7	7	7	7	6	6	6
42.5°	9	8	8	8	8	7	7	7	7	7	6
41.25°	9	9	9	8	8	8	8	7	7	7	7
40°	10	10	9	9	9	8	8	8	8	7	7
38.75°	10	10	10	10	9	9	9	8	8	8	7
37.5°	11	11	10	10	10	9	9	9	8	8	8
36.25°	12	11	11	11	10	10	10	9	9	8	8
35°	12	12	12	11	11	10	10	10	9	9	8



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	14	13	12	12	11	11	11	10	10	9	9
32.5°	15	14	13	13	12	12	11	11	10	10	9
31.25°	18	16	14	14	13	12	12	11	11	10	10
30°	21	19	17	15	14	13	12	12	11	11	10
28.75°	27	22	20	18	15	14	13	12	12	11	11
27.5°	35	29	23	20	18	15	14	13	12	12	11
26.25°	43	37	31	24	21	18	15	14	13	12	12
25°	51	45	38	32	25	21	18	15	14	13	12
23.75°	59	53	46	39	32	24	20	18	15	14	13
22.5°	68	60	53	46	38	31	23	20	17	14	13
21.25°	80	68	60	53	45	37	29	22	19	16	14
20°	105	80	68	59	51	43	35	27	21	18	15
18.75°	157	103	77	66	57	49	41	32	23	20	16
17.5°	224	149	98	74	63	55	46	37	28	21	18
16.25°	297	208	135	90	70	60	51	42	33	24	20
15°	371	272	181	113	79	65	56	47	38	28	21
13.75°	443	338	238	151	96	72	61	51	42	32	23
12.5°	512	402	295	195	119	80	65	55	46	36	26
11.25°	575	463	349	241	150	93	70	59	49	39	29
10°	631	518	401	287	183	107	75	62	52	42	32
8.75°	678	568	449	330	219	131	83	66	55	45	35
7.5°	716	610	490	368	251	152	92	69	58	48	37
6.25°	748	647	526	402	281	172	100	72	60	50	39
5°	772	674	556	430	306	193	110	75	62	51	41
3.75°	791	694	579	452	326	210	121	77	63	53	42
2.5°	804	709	595	468	340	222	129	80	64	54	43
1.25°	812	718	605	477	349	229	134	83	65	54	44
0°	815	721	608	481	352	232	135	83	65	54	44
-1.25°	812	718	605	477	349	229	134	83	65	54	44
-2.5°	804	709	595	468	340	222	129	80	64	54	43
-3.75°	791	694	579	452	326	210	121	77	63	53	42
-5°	772	674	556	430	306	193	110	75	62	51	41
-6.25°	748	647	526	402	281	172	100	72	60	50	39
-7.5°	716	610	490	368	251	152	92	69	58	48	37
-8.75°	678	568	449	330	219	131	83	66	55	45	35
-10°	631	518	401	287	183	107	75	62	52	42	32
-11.25°	575	463	349	241	150	93	70	59	49	39	29
-12.5°	512	402	295	195	119	80	65	55	46	36	26
-13.75°	443	338	238	151	96	72	61	51	42	32	23
-15°	371	272	181	113	79	65	56	47	38	28	21
-16.25°	297	208	135	90	70	60	51	42	33	24	20
-17.5°	224	149	98	74	63	55	46	37	28	21	18
-18.75°	157	103	77	66	57	49	41	32	23	20	16
-20°	105	80	68	59	51	43	35	27	21	18	15
-21.25°	80	68	60	53	45	37	29	22	19	16	14



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	68	60	53	46	38	31	23	20	17	14	13
-23.75°	59	53	46	39	32	24	20	18	15	14	13
-25°	51	45	38	32	25	21	18	15	14	13	12
-26.25°	43	37	31	24	21	18	15	14	13	12	12
-27.5°	35	29	23	20	18	15	14	13	12	12	11
-28.75°	27	22	20	18	15	14	13	12	12	11	11
-30°	21	19	17	15	14	13	12	12	11	11	10
-31.25°	18	16	14	14	13	12	12	11	11	10	10
-32.5°	15	14	13	13	12	12	11	11	10	10	9
-33.75°	14	13	12	12	11	11	11	10	10	9	9
-35°	12	12	12	11	11	10	10	10	9	9	8
-36.25°	12	11	11	11	10	10	10	9	9	8	8
-37.5°	11	11	10	10	10	9	9	9	8	8	8
-38.75°	10	10	10	10	9	9	9	8	8	8	7
-40°	10	10	9	9	9	8	8	8	8	7	7
-41.25°	9	9	9	8	8	8	8	7	7	7	7
-42.5°	9	8	8	8	8	7	7	7	7	7	6
-43.75°	8	8	8	7	7	7	7	7	6	6	6
-45°	8	7	7	7	7	7	6	6	6	6	5
-46.25°	7	7	7	7	6	6	6	6	5	5	5
-47.5°	7	7	6	6	6	6	5	5	5	5	5
-48.75°	6	6	6	5	5	5	5	5	5	5	5
-50°	6	5	5	5	5	5	5	5	5	4	4
-51.25°	5	5	5	5	5	5	5	4	4	4	4
-52.5°	5	5	5	5	4	4	4	4	4	4	4
-53.75°	5	4	4	4	4	4	4	4	4	4	3
-55°	4	4	4	4	4	4	4	4	3	3	3
-56.25°	4	4	4	4	4	3	3	3	3	3	3
-57.5°	4	4	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	2	2
-60°	3	3	3	3	3	3	2	2	2	2	2
-61.25°	3	3	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	1	1	1	1
-65°	2	2	2	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	0
-71.25°	1	1	1	1	1	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	0	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°	1	1	1	1	1	1	1	1	1	1	1
61.25°	2	2	1	1	1	1	1	1	1	1	1
60°	2	2	2	2	2	1	1	1	1	1	1
58.75°	2	2	2	2	2	2	2	1	1	1	1
57.5°	3	2	2	2	2	2	2	2	1	1	1
56.25°	3	3	3	2	2	2	2	2	2	2	1
55°	3	3	3	3	3	2	2	2	2	2	2
53.75°	3	3	3	3	3	3	2	2	2	2	2
52.5°	4	3	3	3	3	3	3	3	2	2	2
51.25°	4	4	4	3	3	3	3	3	3	2	2
50°	4	4	4	4	4	3	3	3	3	3	2
48.75°	4	4	4	4	4	4	3	3	3	3	3
47.5°	5	5	4	4	4	4	4	3	3	3	3
46.25°	5	5	5	4	4	4	4	4	3	3	3
45°	5	5	5	5	4	4	4	4	4	4	3
43.75°	5	5	5	5	5	5	4	4	4	4	3
42.5°	6	6	5	5	5	5	5	4	4	4	4
41.25°	6	6	6	5	5	5	5	5	4	4	4
40°	7	6	6	6	5	5	5	5	5	4	4
38.75°	7	7	6	6	6	5	5	5	5	4	4
37.5°	7	7	7	7	6	6	5	5	5	5	4
36.25°	8	7	7	7	6	6	6	5	5	5	5
35°	8	8	7	7	7	6	6	6	5	5	5



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	8	8	8	7	7	7	6	6	5	5	5
32.5°	9	8	8	8	7	7	7	6	6	5	5
31.25°	9	9	8	8	8	7	7	7	6	6	5
30°	10	9	9	8	8	8	7	7	6	6	5
28.75°	10	10	9	9	8	8	7	7	7	6	6
27.5°	11	10	10	9	9	8	8	7	7	6	6
26.25°	11	10	10	9	9	8	8	7	7	7	6
25°	11	11	10	10	9	9	8	8	7	7	6
23.75°	12	11	11	10	10	9	8	8	7	7	7
22.5°	12	12	11	10	10	9	9	8	8	7	7
21.25°	13	12	11	11	10	10	9	8	8	7	7
20°	14	12	12	11	10	10	9	9	8	8	7
18.75°	14	13	12	11	11	10	9	9	8	8	7
17.5°	15	14	12	12	11	10	10	9	8	8	7
16.25°	16	14	13	12	11	11	10	9	9	8	8
15°	18	15	13	12	11	11	10	9	9	8	8
13.75°	19	15	14	12	12	11	10	10	9	8	8
12.5°	20	17	14	13	12	11	10	10	9	8	8
11.25°	21	18	15	13	12	11	11	10	9	9	8
10°	23	19	15	14	12	11	11	10	9	9	8
8.75°	25	20	16	14	12	12	11	10	10	9	8
7.5°	27	20	17	14	13	12	11	10	10	9	8
6.25°	29	21	17	14	13	12	11	10	10	9	8
5°	30	22	18	14	13	12	11	10	10	9	8
3.75°	32	22	18	15	13	12	11	11	10	9	8
2.5°	33	22	18	15	13	12	11	11	10	9	8
1.25°	33	23	19	15	13	12	11	11	10	9	8
0°	33	23	19	15	13	12	11	11	10	9	9
-1.25°	33	23	19	15	13	12	11	11	10	9	8
-2.5°	33	22	18	15	13	12	11	11	10	9	8
-3.75°	32	22	18	15	13	12	11	11	10	9	8
-5°	30	22	18	14	13	12	11	10	10	9	8
-6.25°	29	21	17	14	13	12	11	10	10	9	8
-7.5°	27	20	17	14	13	12	11	10	10	9	8
-8.75°	25	20	16	14	12	12	11	10	10	9	8
-10°	23	19	15	14	12	11	11	10	9	9	8
-11.25°	21	18	15	13	12	11	11	10	9	9	8
-12.5°	20	17	14	13	12	11	10	10	9	8	8
-13.75°	19	15	14	12	12	11	10	10	9	8	8
-15°	18	15	13	12	11	11	10	9	9	8	8
-16.25°	16	14	13	12	11	11	10	9	9	8	8
-17.5°	15	14	12	12	11	10	10	9	8	8	7
-18.75°	14	13	12	11	11	10	9	9	8	8	7
-20°	14	12	12	11	10	10	9	9	8	8	7
-21.25°	13	12	11	11	10	10	9	8	8	7	7



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	12	12	11	10	10	9	9	8	8	7	7
-23.75°	12	11	11	10	10	9	8	8	7	7	7
-25°	11	11	10	10	9	9	8	8	7	7	6
-26.25°	11	10	10	9	9	8	8	7	7	7	6
-27.5°	11	10	10	9	9	8	8	7	7	6	6
-28.75°	10	10	9	9	8	8	7	7	7	6	6
-30°	10	9	9	8	8	8	7	7	6	6	5
-31.25°	9	9	8	8	8	7	7	7	6	6	5
-32.5°	9	8	8	8	7	7	7	6	6	5	5
-33.75°	8	8	8	7	7	7	6	6	5	5	5
-35°	8	8	7	7	7	6	6	6	5	5	5
-36.25°	8	7	7	7	6	6	6	5	5	5	5
-37.5°	7	7	7	7	6	6	5	5	5	5	4
-38.75°	7	7	6	6	6	5	5	5	5	4	4
-40°	7	6	6	6	5	5	5	5	5	4	4
-41.25°	6	6	6	5	5	5	5	5	4	4	4
-42.5°	6	6	5	5	5	5	5	4	4	4	4
-43.75°	5	5	5	5	5	5	4	4	4	4	3
-45°	5	5	5	5	4	4	4	4	4	4	3
-46.25°	5	5	5	4	4	4	4	4	3	3	3
-47.5°	5	5	4	4	4	4	4	3	3	3	3
-48.75°	4	4	4	4	4	4	3	3	3	3	3
-50°	4	4	4	4	4	3	3	3	3	3	2
-51.25°	4	4	4	3	3	3	3	3	3	2	2
-52.5°	4	3	3	3	3	3	3	3	2	2	2
-53.75°	3	3	3	3	3	3	2	2	2	2	2
-55°	3	3	3	3	3	2	2	2	2	2	2
-56.25°	3	3	3	2	2	2	2	2	2	2	1
-57.5°	3	2	2	2	2	2	2	2	1	1	1
-58.75°	2	2	2	2	2	2	2	1	1	1	1
-60°	2	2	2	2	2	1	1	1	1	1	1
-61.25°	2	2	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	0	0	0	0	0
-68.75°	1	1	1	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	0	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	0	0	0	0	0
58.75°	1	1	1	1	1	1	1	0	0	0	0
57.5°	1	1	1	1	1	1	1	1	0	0	0
56.25°	1	1	1	1	1	1	1	1	1	0	0
55°	1	1	1	1	1	1	1	1	1	1	0
53.75°	2	2	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	1	1	1	1	1	1	1	1
51.25°	2	2	2	2	1	1	1	1	1	1	1
50°	2	2	2	2	2	1	1	1	1	1	1
48.75°	3	2	2	2	2	2	1	1	1	1	1
47.5°	3	3	2	2	2	2	1	1	1	1	1
46.25°	3	3	2	2	2	2	2	1	1	1	1
45°	3	3	3	2	2	2	2	2	1	1	1
43.75°	3	3	3	3	2	2	2	2	1	1	1
42.5°	3	3	3	3	3	2	2	2	2	1	1
41.25°	4	3	3	3	3	2	2	2	2	2	1
40°	4	4	3	3	3	3	2	2	2	2	1
38.75°	4	4	4	3	3	3	3	2	2	2	2
37.5°	4	4	4	3	3	3	3	2	2	2	2
36.25°	4	4	4	4	3	3	3	3	2	2	2
35°	5	4	4	4	3	3	3	3	2	2	2



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	4	4	4	4	3	3	3	3	2	2
32.5°	5	5	4	4	4	3	3	3	3	2	2
31.25°	5	5	4	4	4	4	3	3	3	2	2
30°	5	5	5	4	4	4	3	3	3	3	2
28.75°	5	5	5	4	4	4	4	3	3	3	2
27.5°	5	5	5	5	4	4	4	3	3	3	2
26.25°	6	5	5	5	4	4	4	3	3	3	3
25°	6	5	5	5	4	4	4	4	3	3	3
23.75°	6	5	5	5	5	4	4	4	3	3	3
22.5°	6	6	5	5	5	4	4	4	3	3	3
21.25°	7	6	5	5	5	4	4	4	4	3	3
20°	7	6	6	5	5	5	4	4	4	3	3
18.75°	7	6	6	5	5	5	4	4	4	3	3
17.5°	7	6	6	5	5	5	4	4	4	3	3
16.25°	7	7	6	5	5	5	4	4	4	3	3
15°	7	7	6	6	5	5	5	4	4	4	3
13.75°	7	7	6	6	5	5	5	4	4	4	3
12.5°	7	7	6	6	5	5	5	4	4	4	3
11.25°	8	7	7	6	5	5	5	4	4	4	3
10°	8	7	7	6	5	5	5	4	4	4	3
8.75°	8	7	7	6	5	5	5	4	4	4	3
7.5°	8	7	7	6	5	5	5	4	4	4	3
6.25°	8	7	7	6	6	5	5	4	4	4	3
5°	8	7	7	6	6	5	5	5	4	4	3
3.75°	8	7	7	6	6	5	5	5	4	4	3
2.5°	8	7	7	6	6	5	5	5	4	4	3
1.25°	8	7	7	6	6	5	5	5	4	4	3
0°	8	7	7	6	6	5	5	5	4	4	3
-1.25°	8	7	7	6	6	5	5	5	4	4	3
-2.5°	8	7	7	6	6	5	5	5	4	4	3
-3.75°	8	7	7	6	6	5	5	5	4	4	3
-5°	8	7	7	6	6	5	5	5	4	4	3
-6.25°	8	7	7	6	6	5	5	4	4	4	3
-7.5°	8	7	7	6	5	5	5	4	4	4	3
-8.75°	8	7	7	6	5	5	5	4	4	4	3
-10°	8	7	7	6	5	5	5	4	4	4	3
-11.25°	8	7	7	6	5	5	5	4	4	4	3
-12.5°	7	7	6	6	5	5	5	4	4	4	3
-13.75°	7	7	6	6	5	5	5	4	4	4	3
-15°	7	7	6	6	5	5	5	4	4	4	3
-16.25°	7	7	6	5	5	5	4	4	4	3	3
-17.5°	7	6	6	5	5	5	4	4	4	3	3
-18.75°	7	6	6	5	5	5	4	4	4	3	3
-20°	7	6	6	5	5	5	4	4	4	3	3
-21.25°	7	6	5	5	5	4	4	4	4	3	3



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	6	6	5	5	5	4	4	4	3	3	3
-23.75°	6	5	5	5	5	4	4	4	3	3	3
-25°	6	5	5	5	4	4	4	4	3	3	3
-26.25°	6	5	5	5	4	4	4	3	3	3	3
-27.5°	5	5	5	5	4	4	4	3	3	3	2
-28.75°	5	5	5	4	4	4	4	3	3	3	2
-30°	5	5	5	4	4	4	3	3	3	3	2
-31.25°	5	5	4	4	4	4	3	3	3	2	2
-32.5°	5	5	4	4	4	3	3	3	3	2	2
-33.75°	5	4	4	4	4	3	3	3	3	2	2
-35°	5	4	4	4	3	3	3	3	2	2	2
-36.25°	4	4	4	4	3	3	3	3	2	2	2
-37.5°	4	4	4	3	3	3	3	2	2	2	2
-38.75°	4	4	4	3	3	3	3	2	2	2	2
-40°	4	4	3	3	3	3	2	2	2	2	1
-41.25°	4	3	3	3	3	2	2	2	2	2	1
-42.5°	3	3	3	3	3	2	2	2	2	1	1
-43.75°	3	3	3	3	2	2	2	2	1	1	1
-45°	3	3	3	2	2	2	2	2	1	1	1
-46.25°	3	3	2	2	2	2	2	1	1	1	1
-47.5°	3	3	2	2	2	2	1	1	1	1	1
-48.75°	3	2	2	2	2	2	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-51.25°	2	2	2	2	1	1	1	1	1	1	1
-52.5°	2	2	2	1	1	1	1	1	1	1	1
-53.75°	2	2	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	0
-56.25°	1	1	1	1	1	1	1	1	1	0	0
-57.5°	1	1	1	1	1	1	1	1	0	0	0
-58.75°	1	1	1	1	1	1	1	0	0	0	0
-60°	1	1	1	1	1	1	0	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°	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	0	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	0	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°	1	1	1	1	1	1	0	0	0	0	0
36.25°	1	1	1	1	1	1	1	0	0	0	0
35°	2	1	1	1	1	1	1	0	0	0	0



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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	1	1	1	1	1	1	0	0	0	0
32.5°	2	2	1	1	1	1	1	0	0	0	0
31.25°	2	2	1	1	1	1	1	1	0	0	0
30°	2	2	1	1	1	1	1	1	0	0	0
28.75°	2	2	1	1	1	1	1	1	0	0	0
27.5°	2	2	2	1	1	1	1	1	0	0	0
26.25°	2	2	2	1	1	1	1	1	0	0	0
25°	2	2	2	1	1	1	1	1	1	0	0
23.75°	2	2	2	1	1	1	1	1	1	0	0
22.5°	2	2	2	2	1	1	1	1	1	0	0
21.25°	3	2	2	2	1	1	1	1	1	0	0
20°	3	2	2	2	1	1	1	1	1	0	0
18.75°	3	2	2	2	1	1	1	1	1	0	0
17.5°	3	2	2	2	1	1	1	1	1	0	0
16.25°	3	2	2	2	1	1	1	1	1	0	0
15°	3	3	2	2	2	1	1	1	1	1	0
13.75°	3	3	2	2	2	1	1	1	1	1	0
12.5°	3	3	2	2	2	1	1	1	1	1	0
11.25°	3	3	2	2	2	1	1	1	1	1	0
10°	3	3	2	2	2	1	1	1	1	1	0
8.75°	3	3	2	2	2	1	1	1	1	1	0
7.5°	3	3	2	2	2	1	1	1	1	1	0
6.25°	3	3	2	2	2	1	1	1	1	1	0
5°	3	3	2	2	2	1	1	1	1	1	0
3.75°	3	3	2	2	2	1	1	1	1	1	0
2.5°	3	3	2	2	2	1	1	1	1	1	0
1.25°	3	3	2	2	2	1	1	1	1	1	0
0°	3	3	2	2	2	1	1	1	1	1	0
-1.25°	3	3	2	2	2	1	1	1	1	1	0
-2.5°	3	3	2	2	2	1	1	1	1	1	0
-3.75°	3	3	2	2	2	1	1	1	1	1	0
-5°	3	3	2	2	2	1	1	1	1	1	0
-6.25°	3	3	2	2	2	1	1	1	1	1	0
-7.5°	3	3	2	2	2	1	1	1	1	1	0
-8.75°	3	3	2	2	2	1	1	1	1	1	0
-10°	3	3	2	2	2	1	1	1	1	1	0
-11.25°	3	3	2	2	2	1	1	1	1	1	0
-12.5°	3	3	2	2	2	1	1	1	1	1	0
-13.75°	3	3	2	2	2	1	1	1	1	1	0
-15°	3	3	2	2	2	1	1	1	1	1	0
-16.25°	3	2	2	2	1	1	1	1	1	0	0
-17.5°	3	2	2	2	1	1	1	1	1	0	0
-18.75°	3	2	2	2	1	1	1	1	1	0	0
-20°	3	2	2	2	1	1	1	1	1	0	0
-21.25°	3	2	2	2	1	1	1	1	1	0	0



REPORT NUMBER: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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°	2	2	2	2	1	1	1	1	1	0	0
-23.75°	2	2	2	1	1	1	1	1	1	0	0
-25°	2	2	2	1	1	1	1	1	1	0	0
-26.25°	2	2	2	1	1	1	1	1	0	0	0
-27.5°	2	2	2	1	1	1	1	1	0	0	0
-28.75°	2	2	1	1	1	1	1	1	0	0	0
-30°	2	2	1	1	1	1	1	1	0	0	0
-31.25°	2	2	1	1	1	1	1	1	0	0	0
-32.5°	2	2	1	1	1	1	1	0	0	0	0
-33.75°	2	1	1	1	1	1	1	0	0	0	0
-35°	2	1	1	1	1	1	1	0	0	0	0
-36.25°	1	1	1	1	1	1	1	0	0	0	0
-37.5°	1	1	1	1	1	1	0	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	0	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	0	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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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: P220532 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-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)