

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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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-S-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT
OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

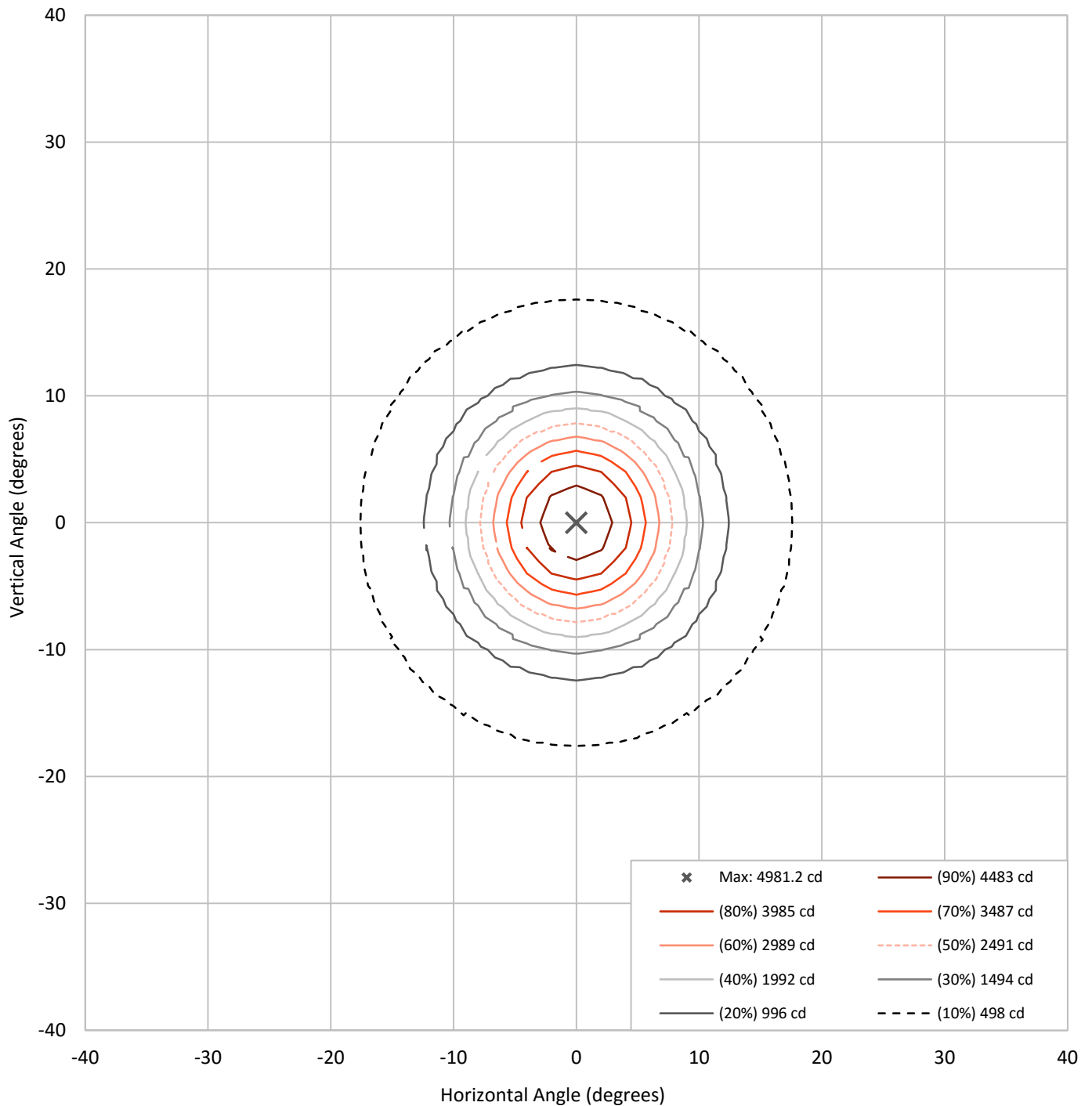
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	580.3 lumens	Max Intensity:	4981.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	59.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.7°H x 15.7°V	Field Angle (10%):	35°H x 35°V
Beam Lumens:	206.9 lumens	Field Lumens:	444.5 lumens
Beam Efficiency:	35.6%	Field Efficiency:	76.6%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L1-UNV

Iso-Candela Plot





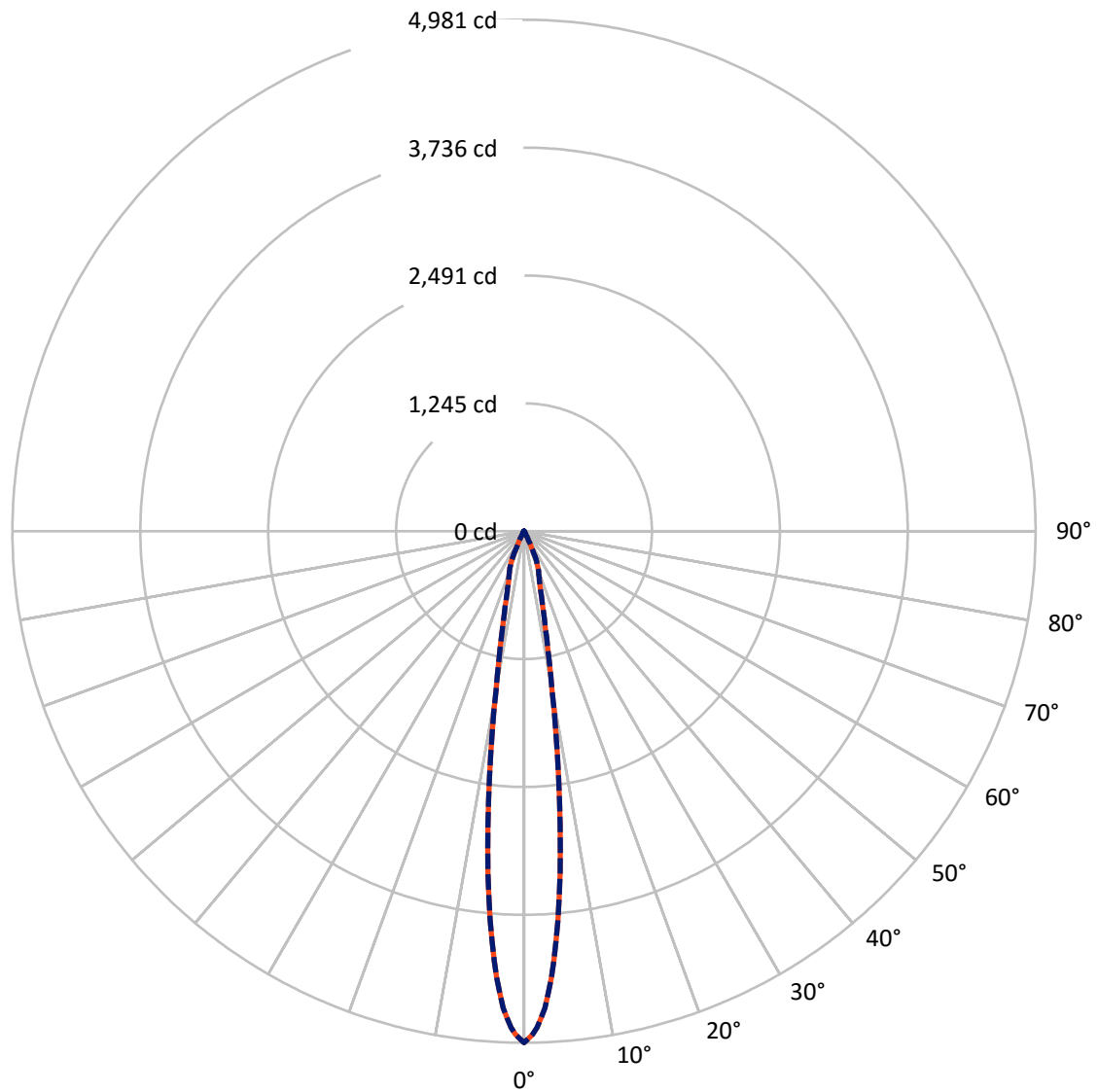
REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L1-UNV

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	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.1	0.3	1.8	5.1	5.1	1.8	0.3	0.1	0.1	0.0	0.0	0.0	
20		0.0	0.0	0.1	0.2	1.7	10.5	19.9	19.9	10.5	1.7	0.2	0.1	0.0	0.0		
10	0.0	0.0	0.0	0.1	0.3	4.7	19.3	79.3	79.3	19.3	4.7	0.3	0.1	0.0	0.0	0.0	
0		0.0	0.0	0.1	0.3	4.7	19.3	79.3	79.3	19.3	4.7	0.3	0.1	0.0	0.0		
-10	0.0	0.0	0.0	0.1	0.2	1.7	10.5	19.9	19.9	10.5	1.7	0.2	0.1	0.0	0.0	0.0	
-20		0.0	0.0	0.1	0.1	0.3	1.8	5.1	5.1	1.8	0.3	0.1	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	
-40		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		
-50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-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	

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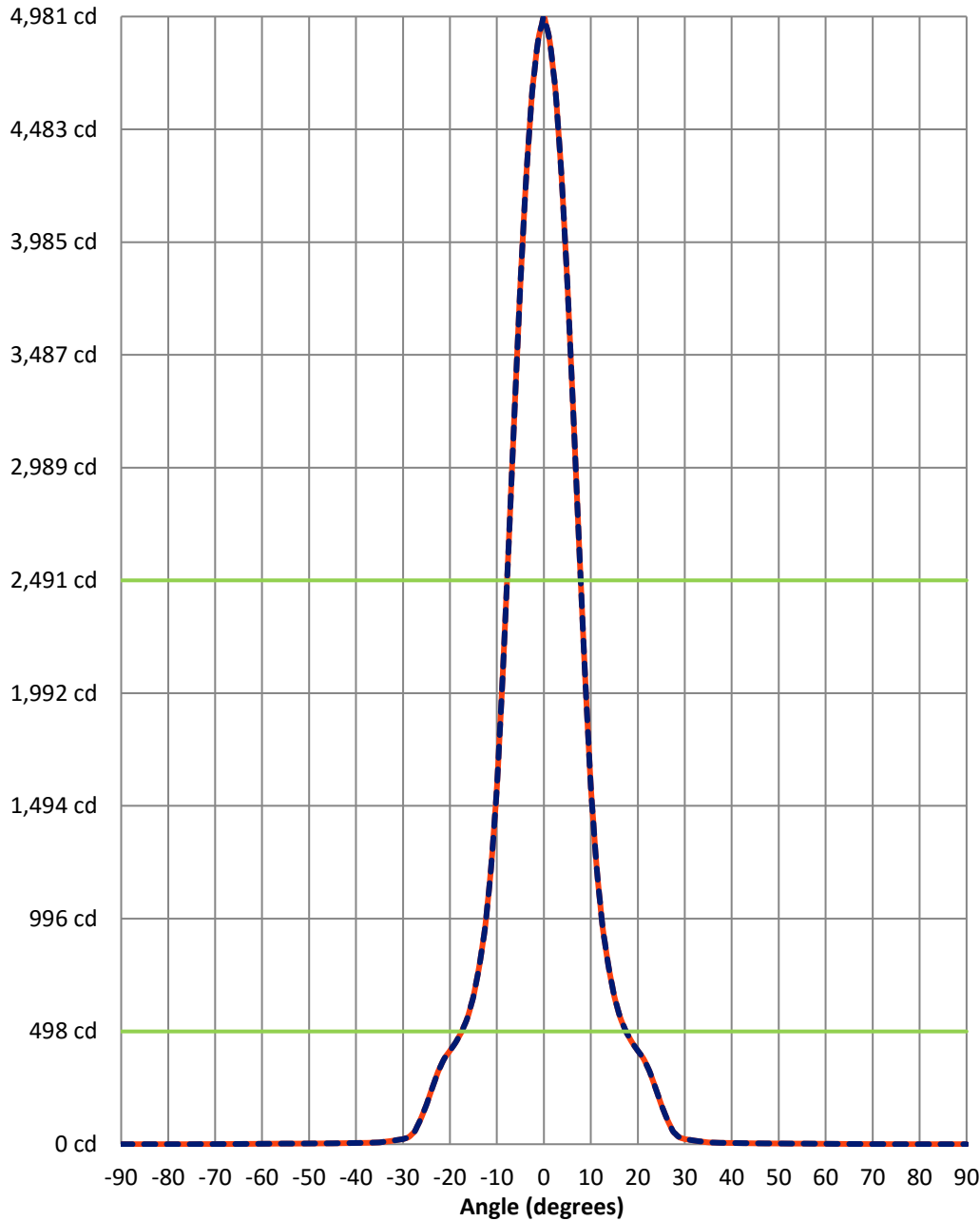
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 15.7°
 V Angle: 15.7°
 Lumens: 206.9
 Efficiency: 35.6%

Field:
 H Angle: 35°
 V Angle: 35°
 Lumens: 444.5
 Efficiency: 76.6%

Spill:
 Lumens: 135.8
 Efficiency: 23.4%

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



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	3
10°	1	2	2	2	2	2	3	3	3	3	3
8.75°	1	2	2	2	2	2	3	3	3	3	3
7.5°	1	2	2	2	2	2	3	3	3	3	3
6.25°	1	2	2	2	2	2	3	3	3	3	3
5°	1	2	2	2	2	2	3	3	3	3	3
3.75°	1	2	2	2	2	2	3	3	3	3	3
2.5°	1	2	2	2	2	2	3	3	3	3	3
1.25°	1	2	2	2	2	2	3	3	3	3	3
0°	2	2	2	2	2	3	3	3	3	3	3
-1.25°	1	2	2	2	2	2	3	3	3	3	3
-2.5°	1	2	2	2	2	2	3	3	3	3	3
-3.75°	1	2	2	2	2	2	3	3	3	3	3
-5°	1	2	2	2	2	2	3	3	3	3	3
-6.25°	1	2	2	2	2	2	3	3	3	3	3
-7.5°	1	2	2	2	2	2	3	3	3	3	3
-8.75°	1	2	2	2	2	2	3	3	3	3	3
-10°	1	2	2	2	2	2	3	3	3	3	3
-11.25°	1	2	2	2	2	2	3	3	3	3	3
-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	3
37.5°	2	2	2	3	3	3	3	3	3	3	3
36.25°	2	2	3	3	3	3	3	3	3	3	3
35°	2	2	3	3	3	3	3	3	3	3	3



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	3	3	3	3
32.5°	3	3	3	3	3	3	3	3	3	3	3
31.25°	3	3	3	3	3	3	3	3	3	3	4
30°	3	3	3	3	3	3	3	3	3	4	4
28.75°	3	3	3	3	3	3	3	3	4	4	4
27.5°	3	3	3	3	3	3	3	3	4	4	4
26.25°	3	3	3	3	3	3	3	4	4	4	4
25°	3	3	3	3	3	3	3	4	4	4	4
23.75°	3	3	3	3	3	3	4	4	4	4	5
22.5°	3	3	3	3	3	3	4	4	4	4	5
21.25°	3	3	3	3	3	4	4	4	4	5	5
20°	3	3	3	3	3	4	4	4	4	5	5
18.75°	3	3	3	3	4	4	4	4	5	5	5
17.5°	3	3	3	3	4	4	4	4	5	5	5
16.25°	3	3	3	3	4	4	4	4	5	5	6
15°	3	3	3	3	4	4	4	4	5	5	6
13.75°	3	3	3	4	4	4	4	4	5	5	6
12.5°	3	3	3	4	4	4	4	5	5	6	6
11.25°	3	3	3	4	4	4	4	5	5	6	6
10°	3	3	3	4	4	4	4	5	5	6	6
8.75°	3	3	3	4	4	4	4	5	5	6	6
7.5°	3	3	4	4	4	4	4	5	5	6	7
6.25°	3	3	4	4	4	4	4	5	5	6	7
5°	3	3	4	4	4	4	5	5	5	6	7
3.75°	3	3	4	4	4	4	5	5	5	6	7
2.5°	3	3	4	4	4	4	5	5	5	6	7
1.25°	3	3	4	4	4	4	5	5	5	6	7
0°	3	3	4	4	4	5	5	5	6	6	7
-1.25°	3	3	4	4	4	5	5	5	6	6	7
-2.5°	3	3	4	4	4	5	5	5	6	6	7
-3.75°	3	3	4	4	4	5	5	5	6	6	7
-5°	3	3	4	4	4	5	5	5	6	6	7
-6.25°	3	3	4	4	4	4	5	5	6	6	7
-7.5°	3	3	4	4	4	4	5	5	6	6	7
-8.75°	3	3	3	4	4	4	4	5	5	6	6
-10°	3	3	3	4	4	4	4	5	5	6	6
-11.25°	3	3	3	4	4	4	4	5	5	6	6
-12.5°	3	3	3	4	4	4	4	5	5	6	6
-13.75°	3	3	3	4	4	4	4	4	5	6	6
-15°	3	3	3	3	4	4	4	4	5	5	6
-16.25°	3	3	3	3	4	4	4	4	5	5	6
-17.5°	3	3	3	3	4	4	4	4	4	5	5
-18.75°	3	3	3	3	4	4	4	4	4	5	5
-20°	3	3	3	3	3	4	4	4	4	5	5
-21.25°	3	3	3	3	3	4	4	4	4	5	5



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	3	3	3	3	4	4	4	4	5
-23.75°	3	3	3	3	3	3	4	4	4	4	5
-25°	3	3	3	3	3	3	3	4	4	4	4
-26.25°	3	3	3	3	3	3	3	4	4	4	4
-27.5°	3	3	3	3	3	3	3	3	4	4	4
-28.75°	3	3	3	3	3	3	3	3	4	4	4
-30°	3	3	3	3	3	3	3	3	3	4	4
-31.25°	3	3	3	3	3	3	3	3	3	3	4
-32.5°	3	3	3	3	3	3	3	3	3	3	3
-33.75°	2	3	3	3	3	3	3	3	3	3	3
-35°	2	2	3	3	3	3	3	3	3	3	3
-36.25°	2	2	3	3	3	3	3	3	3	3	3
-37.5°	2	2	2	3	3	3	3	3	3	3	3
-38.75°	2	2	2	2	3	3	3	3	3	3	3
-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	3	3
45°	3	3	3	3	3	3	3	3	3	3	3
43.75°	3	3	3	3	3	3	3	3	3	3	3
42.5°	3	3	3	3	3	3	3	3	3	3	3
41.25°	3	3	3	3	3	3	3	3	3	4	4
40°	3	3	3	3	3	3	3	4	4	4	4
38.75°	3	3	3	3	3	4	4	4	4	4	4
37.5°	3	3	3	3	4	4	4	4	4	4	4
36.25°	3	3	3	4	4	4	4	4	4	5	5
35°	3	3	4	4	4	4	4	5	5	5	5



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3	4	4	4	4	4	5	5	5	5	5
32.5°	4	4	4	4	4	5	5	5	5	6	6
31.25°	4	4	4	4	5	5	5	5	6	6	6
30°	4	4	4	5	5	5	5	6	6	6	7
28.75°	4	4	5	5	5	5	6	6	6	7	7
27.5°	4	5	5	5	5	6	6	6	7	7	8
26.25°	5	5	5	5	6	6	6	7	8	8	10
25°	5	5	5	6	6	6	7	8	9	11	13
23.75°	5	5	6	6	6	7	7	8	11	13	15
22.5°	5	5	6	6	7	7	8	10	13	15	18
21.25°	5	6	6	6	7	8	10	12	15	18	21
20°	5	6	6	7	8	9	12	14	17	20	24
18.75°	6	6	6	7	8	11	14	17	20	23	28
17.5°	6	6	7	8	10	13	15	19	22	26	38
16.25°	6	6	7	8	11	14	17	21	25	34	56
15°	6	7	8	10	13	16	19	23	28	45	81
13.75°	6	7	8	11	14	17	21	25	36	65	112
12.5°	7	7	9	12	15	19	23	29	48	89	144
11.25°	7	8	10	13	17	20	25	35	64	115	173
10°	7	8	11	14	18	22	27	42	82	140	204
8.75°	7	9	12	15	19	23	30	54	102	163	231
7.5°	7	9	13	16	20	24	35	65	120	184	255
6.25°	8	10	13	17	21	26	39	76	136	204	276
5°	8	10	14	17	21	27	43	88	150	220	294
3.75°	8	11	14	18	22	28	49	97	161	233	306
2.5°	8	11	14	18	22	29	53	104	168	242	315
1.25°	8	11	14	18	23	30	56	108	173	248	320
0°	8	11	15	19	23	31	57	109	175	250	322
-1.25°	8	11	14	18	23	30	56	108	173	248	320
-2.5°	8	11	14	18	22	29	53	104	168	242	315
-3.75°	8	11	14	18	22	28	49	97	161	233	306
-5°	8	10	14	17	21	27	43	88	150	220	294
-6.25°	8	10	13	17	21	26	39	76	136	204	276
-7.5°	7	9	13	16	20	24	35	65	120	184	255
-8.75°	7	9	12	15	19	23	30	54	102	163	231
-10°	7	8	11	14	18	22	27	42	82	140	204
-11.25°	7	8	10	13	17	20	25	35	64	115	173
-12.5°	7	7	9	12	15	19	23	29	48	89	144
-13.75°	6	7	8	11	14	17	21	25	36	65	112
-15°	6	7	8	10	13	16	19	23	28	45	81
-16.25°	6	6	7	8	11	14	17	21	25	34	56
-17.5°	6	6	7	8	10	13	15	19	22	26	38
-18.75°	6	6	6	7	8	11	14	17	20	23	28
-20°	5	6	6	7	8	9	12	14	17	20	24
-21.25°	5	6	6	6	7	8	10	12	15	18	21



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	5	5	6	6	7	7	8	10	13	15	18
-23.75°	5	5	6	6	6	7	7	8	11	13	15
-25°	5	5	5	6	6	6	7	8	9	11	13
-26.25°	5	5	5	5	6	6	6	7	8	8	10
-27.5°	4	5	5	5	5	6	6	6	7	7	8
-28.75°	4	4	5	5	5	5	6	6	6	7	7
-30°	4	4	4	5	5	5	5	6	6	6	7
-31.25°	4	4	4	4	5	5	5	5	6	6	6
-32.5°	4	4	4	4	4	5	5	5	5	6	6
-33.75°	3	4	4	4	4	4	5	5	5	5	5
-35°	3	3	4	4	4	4	4	5	5	5	5
-36.25°	3	3	3	4	4	4	4	4	4	5	5
-37.5°	3	3	3	3	4	4	4	4	4	4	4
-38.75°	3	3	3	3	3	4	4	4	4	4	4
-40°	3	3	3	3	3	3	3	4	4	4	4
-41.25°	3	3	3	3	3	3	3	3	3	4	4
-42.5°	3	3	3	3	3	3	3	3	3	3	3
-43.75°	3	3	3	3	3	3	3	3	3	3	3
-45°	3	3	3	3	3	3	3	3	3	3	3
-46.25°	3	3	3	3	3	3	3	3	3	3	3
-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	3	3	3
48.75°	3	3	3	3	3	3	3	3	3	3	3
47.5°	3	3	3	3	3	3	3	3	3	3	3
46.25°	3	3	3	3	3	3	3	3	3	3	3
45°	3	3	3	3	3	3	4	4	4	4	4
43.75°	3	3	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	4	4	4
41.25°	4	4	4	4	4	4	4	5	5	5	5
40°	4	4	4	4	5	5	5	5	5	5	5
38.75°	4	4	5	5	5	5	5	5	5	5	6
37.5°	5	5	5	5	5	5	6	6	6	6	6
36.25°	5	5	5	5	6	6	6	6	6	6	6
35°	5	5	6	6	6	6	6	7	7	7	7



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	6	6	6	6	6	7	7	7	8	8	9
32.5°	6	6	6	7	7	8	8	9	10	11	12
31.25°	6	7	7	8	8	10	11	12	13	14	15
30°	7	8	8	10	11	13	14	15	17	18	19
28.75°	8	9	11	13	14	16	17	19	20	22	23
27.5°	10	12	14	15	17	19	21	23	25	27	30
26.25°	12	14	17	19	21	23	25	29	35	42	54
25°	15	17	20	22	25	28	36	48	64	82	102
23.75°	18	20	23	26	34	45	65	89	115	140	163
22.5°	21	24	28	38	56	81	112	144	173	204	231
21.25°	24	29	40	64	96	131	167	204	239	272	300
20°	29	41	68	105	145	186	228	268	304	334	358
18.75°	40	68	108	152	197	244	289	327	358	381	397
17.5°	64	105	152	201	252	301	342	372	395	411	427
16.25°	96	145	197	252	304	349	381	403	422	441	463
15°	131	186	244	301	349	384	407	429	453	478	505
13.75°	167	228	289	342	381	407	431	459	489	521	558
12.5°	204	268	327	372	403	429	459	493	531	575	635
11.25°	239	304	358	395	422	453	489	531	583	652	732
10°	272	334	381	411	441	478	521	575	652	743	844
8.75°	300	358	397	427	463	505	558	635	732	844	984
7.5°	323	375	409	441	483	532	601	698	815	963	1155
6.25°	342	390	421	457	502	559	646	759	901	1094	1350
5°	356	398	430	470	519	588	692	821	993	1232	1556
3.75°	365	404	438	482	536	616	729	871	1077	1370	1765
2.5°	372	409	444	490	548	636	757	919	1152	1483	1926
1.25°	376	412	448	496	555	648	777	949	1198	1553	2035
0°	378	413	450	497	558	653	784	959	1213	1577	2074
-1.25°	376	412	448	496	555	648	777	949	1198	1553	2035
-2.5°	372	409	444	490	548	636	757	919	1152	1483	1926
-3.75°	365	404	438	482	536	616	729	871	1077	1370	1765
-5°	356	398	430	470	519	588	692	821	993	1232	1556
-6.25°	342	390	421	457	502	559	646	759	901	1094	1350
-7.5°	323	375	409	441	483	532	601	698	815	963	1155
-8.75°	300	358	397	427	463	505	558	635	732	844	984
-10°	272	334	381	411	441	478	521	575	652	743	844
-11.25°	239	304	358	395	422	453	489	531	583	652	732
-12.5°	204	268	327	372	403	429	459	493	531	575	635
-13.75°	167	228	289	342	381	407	431	459	489	521	558
-15°	131	186	244	301	349	384	407	429	453	478	505
-16.25°	96	145	197	252	304	349	381	403	422	441	463
-17.5°	64	105	152	201	252	301	342	372	395	411	427
-18.75°	40	68	108	152	197	244	289	327	358	381	397
-20°	29	41	68	105	145	186	228	268	304	334	358
-21.25°	24	29	40	64	96	131	167	204	239	272	300



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	21	24	28	38	56	81	112	144	173	204	231
-23.75°	18	20	23	26	34	45	65	89	115	140	163
-25°	15	17	20	22	25	28	36	48	64	82	102
-26.25°	12	14	17	19	21	23	25	29	35	42	54
-27.5°	10	12	14	15	17	19	21	23	25	27	30
-28.75°	8	9	11	13	14	16	17	19	20	22	23
-30°	7	8	8	10	11	13	14	15	17	18	19
-31.25°	6	7	7	8	8	10	11	12	13	14	15
-32.5°	6	6	6	7	7	8	8	9	10	11	12
-33.75°	6	6	6	6	6	7	7	7	8	8	9
-35°	5	5	6	6	6	6	6	7	7	7	7
-36.25°	5	5	5	5	6	6	6	6	6	6	6
-37.5°	5	5	5	5	5	5	6	6	6	6	6
-38.75°	4	4	5	5	5	5	5	5	5	5	6
-40°	4	4	4	4	5	5	5	5	5	5	5
-41.25°	4	4	4	4	4	4	4	5	5	5	5
-42.5°	4	4	4	4	4	4	4	4	4	4	4
-43.75°	3	3	4	4	4	4	4	4	4	4	4
-45°	3	3	3	3	3	3	4	4	4	4	4
-46.25°	3	3	3	3	3	3	3	3	3	3	3
-47.5°	3	3	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	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°	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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3	3	3	3	3	3	3	3	3	3	3
48.75°	3	3	3	3	3	3	3	3	3	3	3
47.5°	3	3	3	3	3	3	3	3	3	3	3
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
43.75°	4	4	4	4	4	4	4	4	4	4	4
42.5°	4	4	5	5	5	5	5	5	5	5	5
41.25°	5	5	5	5	5	5	5	5	5	5	5
40°	5	5	5	5	5	5	5	5	5	5	5
38.75°	6	6	6	6	6	6	6	6	6	6	6
37.5°	6	6	6	6	6	6	6	6	6	6	6
36.25°	7	7	7	7	7	7	7	7	7	7	7
35°	7	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	9	10	10	11	11	11	11	11	11	11	10
32.5°	13	13	14	14	14	14	15	14	14	14	14
31.25°	16	17	17	18	18	18	19	18	18	18	17
30°	20	21	21	22	22	23	23	23	22	22	21
28.75°	24	26	27	28	29	30	31	30	29	28	27
27.5°	35	39	43	49	53	56	57	56	53	49	43
26.25°	65	76	88	97	104	108	109	108	104	97	88
25°	120	136	150	161	168	173	175	173	168	161	150
23.75°	184	204	220	233	242	248	250	248	242	233	220
22.5°	255	276	294	306	315	320	322	320	315	306	294
21.25°	323	342	356	365	372	376	378	376	372	365	356
20°	375	390	398	404	409	412	413	412	409	404	398
18.75°	409	421	430	438	444	448	450	448	444	438	430
17.5°	441	457	470	482	490	496	497	496	490	482	470
16.25°	483	502	519	536	548	555	558	555	548	536	519
15°	532	559	588	616	636	648	653	648	636	616	588
13.75°	601	646	692	729	757	777	784	777	757	729	692
12.5°	698	759	821	871	919	949	959	949	919	871	821
11.25°	815	901	993	1077	1152	1198	1213	1198	1152	1077	993
10°	963	1094	1232	1370	1483	1553	1577	1553	1483	1370	1232
8.75°	1155	1350	1556	1765	1926	2035	2074	2035	1926	1765	1556
7.5°	1395	1673	1962	2237	2452	2597	2646	2597	2452	2237	1962
6.25°	1673	2039	2406	2750	3013	3180	3238	3180	3013	2750	2406
5°	1962	2406	2855	3239	3539	3733	3802	3733	3539	3239	2855
3.75°	2237	2750	3239	3667	4000	4218	4284	4218	4000	3667	3239
2.5°	2452	3013	3539	4000	4353	4576	4648	4576	4353	4000	3539
1.25°	2597	3180	3733	4218	4576	4803	4880	4803	4576	4218	3733
0°	2646	3238	3802	4284	4648	4880	4981	4880	4648	4284	3802
-1.25°	2597	3180	3733	4218	4576	4803	4880	4803	4576	4218	3733
-2.5°	2452	3013	3539	4000	4353	4576	4648	4576	4353	4000	3539
-3.75°	2237	2750	3239	3667	4000	4218	4284	4218	4000	3667	3239
-5°	1962	2406	2855	3239	3539	3733	3802	3733	3539	3239	2855
-6.25°	1673	2039	2406	2750	3013	3180	3238	3180	3013	2750	2406
-7.5°	1395	1673	1962	2237	2452	2597	2646	2597	2452	2237	1962
-8.75°	1155	1350	1556	1765	1926	2035	2074	2035	1926	1765	1556
-10°	963	1094	1232	1370	1483	1553	1577	1553	1483	1370	1232
-11.25°	815	901	993	1077	1152	1198	1213	1198	1152	1077	993
-12.5°	698	759	821	871	919	949	959	949	919	871	821
-13.75°	601	646	692	729	757	777	784	777	757	729	692
-15°	532	559	588	616	636	648	653	648	636	616	588
-16.25°	483	502	519	536	548	555	558	555	548	536	519
-17.5°	441	457	470	482	490	496	497	496	490	482	470
-18.75°	409	421	430	438	444	448	450	448	444	438	430
-20°	375	390	398	404	409	412	413	412	409	404	398
-21.25°	323	342	356	365	372	376	378	376	372	365	356



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	255	276	294	306	315	320	322	320	315	306	294
-23.75°	184	204	220	233	242	248	250	248	242	233	220
-25°	120	136	150	161	168	173	175	173	168	161	150
-26.25°	65	76	88	97	104	108	109	108	104	97	88
-27.5°	35	39	43	49	53	56	57	56	53	49	43
-28.75°	24	26	27	28	29	30	31	30	29	28	27
-30°	20	21	21	22	22	23	23	23	22	22	21
-31.25°	16	17	17	18	18	18	19	18	18	18	17
-32.5°	13	13	14	14	14	14	15	14	14	14	14
-33.75°	9	10	10	11	11	11	11	11	11	11	10
-35°	7	8	8	8	8	8	8	8	8	8	8
-36.25°	7	7	7	7	7	7	7	7	7	7	7
-37.5°	6	6	6	6	6	6	6	6	6	6	6
-38.75°	6	6	6	6	6	6	6	6	6	6	6
-40°	5	5	5	5	5	5	5	5	5	5	5
-41.25°	5	5	5	5	5	5	5	5	5	5	5
-42.5°	4	4	5	5	5	5	5	5	5	5	5
-43.75°	4	4	4	4	4	4	4	4	4	4	4
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	3	3	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	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	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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3	3	3	3	3	3	3	3	3	3	3
48.75°	3	3	3	3	3	3	3	3	3	3	3
47.5°	3	3	3	3	3	3	3	3	3	3	3
46.25°	4	4	3	3	3	3	3	3	3	3	3
45°	4	4	4	4	4	4	4	3	3	3	3
43.75°	4	4	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	4	4	4
41.25°	5	5	5	5	5	5	4	4	4	4	4
40°	5	5	5	5	5	5	5	5	5	4	4
38.75°	6	6	6	5	5	5	5	5	5	5	5
37.5°	6	6	6	6	6	6	6	5	5	5	5
36.25°	7	7	6	6	6	6	6	6	6	5	5
35°	8	7	7	7	7	7	6	6	6	6	6



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	10	9	9	8	8	7	7	7	6	6	6
32.5°	13	13	12	11	10	9	8	8	7	7	6
31.25°	17	16	15	14	13	12	11	10	8	8	7
30°	21	20	19	18	17	15	14	13	11	10	8
28.75°	26	24	23	22	20	19	17	16	14	13	11
27.5°	39	35	30	27	25	23	21	19	17	15	14
26.25°	76	65	54	42	35	29	25	23	21	19	17
25°	136	120	102	82	64	48	36	28	25	22	20
23.75°	204	184	163	140	115	89	65	45	34	26	23
22.5°	276	255	231	204	173	144	112	81	56	38	28
21.25°	342	323	300	272	239	204	167	131	96	64	40
20°	390	375	358	334	304	268	228	186	145	105	68
18.75°	421	409	397	381	358	327	289	244	197	152	108
17.5°	457	441	427	411	395	372	342	301	252	201	152
16.25°	502	483	463	441	422	403	381	349	304	252	197
15°	559	532	505	478	453	429	407	384	349	301	244
13.75°	646	601	558	521	489	459	431	407	381	342	289
12.5°	759	698	635	575	531	493	459	429	403	372	327
11.25°	901	815	732	652	583	531	489	453	422	395	358
10°	1094	963	844	743	652	575	521	478	441	411	381
8.75°	1350	1155	984	844	732	635	558	505	463	427	397
7.5°	1673	1395	1155	963	815	698	601	532	483	441	409
6.25°	2039	1673	1350	1094	901	759	646	559	502	457	421
5°	2406	1962	1556	1232	993	821	692	588	519	470	430
3.75°	2750	2237	1765	1370	1077	871	729	616	536	482	438
2.5°	3013	2452	1926	1483	1152	919	757	636	548	490	444
1.25°	3180	2597	2035	1553	1198	949	777	648	555	496	448
0°	3238	2646	2074	1577	1213	959	784	653	558	497	450
-1.25°	3180	2597	2035	1553	1198	949	777	648	555	496	448
-2.5°	3013	2452	1926	1483	1152	919	757	636	548	490	444
-3.75°	2750	2237	1765	1370	1077	871	729	616	536	482	438
-5°	2406	1962	1556	1232	993	821	692	588	519	470	430
-6.25°	2039	1673	1350	1094	901	759	646	559	502	457	421
-7.5°	1673	1395	1155	963	815	698	601	532	483	441	409
-8.75°	1350	1155	984	844	732	635	558	505	463	427	397
-10°	1094	963	844	743	652	575	521	478	441	411	381
-11.25°	901	815	732	652	583	531	489	453	422	395	358
-12.5°	759	698	635	575	531	493	459	429	403	372	327
-13.75°	646	601	558	521	489	459	431	407	381	342	289
-15°	559	532	505	478	453	429	407	384	349	301	244
-16.25°	502	483	463	441	422	403	381	349	304	252	197
-17.5°	457	441	427	411	395	372	342	301	252	201	152
-18.75°	421	409	397	381	358	327	289	244	197	152	108
-20°	390	375	358	334	304	268	228	186	145	105	68
-21.25°	342	323	300	272	239	204	167	131	96	64	40



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	276	255	231	204	173	144	112	81	56	38	28
-23.75°	204	184	163	140	115	89	65	45	34	26	23
-25°	136	120	102	82	64	48	36	28	25	22	20
-26.25°	76	65	54	42	35	29	25	23	21	19	17
-27.5°	39	35	30	27	25	23	21	19	17	15	14
-28.75°	26	24	23	22	20	19	17	16	14	13	11
-30°	21	20	19	18	17	15	14	13	11	10	8
-31.25°	17	16	15	14	13	12	11	10	8	8	7
-32.5°	13	13	12	11	10	9	8	8	7	7	6
-33.75°	10	9	9	8	8	7	7	7	6	6	6
-35°	8	7	7	7	7	7	6	6	6	6	6
-36.25°	7	7	6	6	6	6	6	6	6	5	5
-37.5°	6	6	6	6	6	6	6	5	5	5	5
-38.75°	6	6	6	5	5	5	5	5	5	5	5
-40°	5	5	5	5	5	5	5	5	5	4	4
-41.25°	5	5	5	5	5	5	4	4	4	4	4
-42.5°	4	4	4	4	4	4	4	4	4	4	4
-43.75°	4	4	4	4	4	4	4	4	4	4	4
-45°	4	4	4	4	4	4	4	3	3	3	3
-46.25°	4	4	3	3	3	3	3	3	3	3	3
-47.5°	3	3	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	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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3	3	3	3	3	3	3	3	3	3	3
46.25°	3	3	3	3	3	3	3	3	3	3	3
45°	3	3	3	3	3	3	3	3	3	3	3
43.75°	3	3	3	3	3	3	3	3	3	3	3
42.5°	4	4	3	3	3	3	3	3	3	3	3
41.25°	4	4	4	4	3	3	3	3	3	3	3
40°	4	4	4	4	4	4	3	3	3	3	3
38.75°	4	4	4	4	4	4	4	4	3	3	3
37.5°	5	5	4	4	4	4	4	4	4	3	3
36.25°	5	5	5	5	4	4	4	4	4	4	3
35°	5	5	5	5	5	5	4	4	4	4	4



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	6	6	5	5	5	5	5	4	4	4	4
32.5°	6	6	6	6	5	5	5	5	4	4	4
31.25°	7	6	6	6	6	5	5	5	5	4	4
30°	8	7	7	6	6	6	5	5	5	5	4
28.75°	9	8	7	7	6	6	6	5	5	5	5
27.5°	12	10	8	7	7	6	6	6	5	5	5
26.25°	14	12	10	8	8	7	6	6	6	5	5
25°	17	15	13	11	9	8	7	6	6	6	5
23.75°	20	18	15	13	11	8	7	7	6	6	6
22.5°	24	21	18	15	13	10	8	7	7	6	6
21.25°	29	24	21	18	15	12	10	8	7	6	6
20°	41	29	24	20	17	14	12	9	8	7	6
18.75°	68	40	28	23	20	17	14	11	8	7	6
17.5°	105	64	38	26	22	19	15	13	10	8	7
16.25°	145	96	56	34	25	21	17	14	11	8	7
15°	186	131	81	45	28	23	19	16	13	10	8
13.75°	228	167	112	65	36	25	21	17	14	11	8
12.5°	268	204	144	89	48	29	23	19	15	12	9
11.25°	304	239	173	115	64	35	25	20	17	13	10
10°	334	272	204	140	82	42	27	22	18	14	11
8.75°	358	300	231	163	102	54	30	23	19	15	12
7.5°	375	323	255	184	120	65	35	24	20	16	13
6.25°	390	342	276	204	136	76	39	26	21	17	13
5°	398	356	294	220	150	88	43	27	21	17	14
3.75°	404	365	306	233	161	97	49	28	22	18	14
2.5°	409	372	315	242	168	104	53	29	22	18	14
1.25°	412	376	320	248	173	108	56	30	23	18	14
0°	413	378	322	250	175	109	57	31	23	19	15
-1.25°	412	376	320	248	173	108	56	30	23	18	14
-2.5°	409	372	315	242	168	104	53	29	22	18	14
-3.75°	404	365	306	233	161	97	49	28	22	18	14
-5°	398	356	294	220	150	88	43	27	21	17	14
-6.25°	390	342	276	204	136	76	39	26	21	17	13
-7.5°	375	323	255	184	120	65	35	24	20	16	13
-8.75°	358	300	231	163	102	54	30	23	19	15	12
-10°	334	272	204	140	82	42	27	22	18	14	11
-11.25°	304	239	173	115	64	35	25	20	17	13	10
-12.5°	268	204	144	89	48	29	23	19	15	12	9
-13.75°	228	167	112	65	36	25	21	17	14	11	8
-15°	186	131	81	45	28	23	19	16	13	10	8
-16.25°	145	96	56	34	25	21	17	14	11	8	7
-17.5°	105	64	38	26	22	19	15	13	10	8	7
-18.75°	68	40	28	23	20	17	14	11	8	7	6
-20°	41	29	24	20	17	14	12	9	8	7	6
-21.25°	29	24	21	18	15	12	10	8	7	6	6



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	24	21	18	15	13	10	8	7	7	6	6
-23.75°	20	18	15	13	11	8	7	7	6	6	6
-25°	17	15	13	11	9	8	7	6	6	6	5
-26.25°	14	12	10	8	8	7	6	6	6	5	5
-27.5°	12	10	8	7	7	6	6	6	5	5	5
-28.75°	9	8	7	7	6	6	6	5	5	5	5
-30°	8	7	7	6	6	6	5	5	5	5	4
-31.25°	7	6	6	6	6	5	5	5	5	4	4
-32.5°	6	6	6	6	5	5	5	5	4	4	4
-33.75°	6	6	5	5	5	5	5	4	4	4	4
-35°	5	5	5	5	5	5	4	4	4	4	4
-36.25°	5	5	5	5	4	4	4	4	4	4	3
-37.5°	5	5	4	4	4	4	4	4	4	3	3
-38.75°	4	4	4	4	4	4	4	4	3	3	3
-40°	4	4	4	4	4	4	3	3	3	3	3
-41.25°	4	4	4	4	3	3	3	3	3	3	3
-42.5°	4	4	3	3	3	3	3	3	3	3	3
-43.75°	3	3	3	3	3	3	3	3	3	3	3
-45°	3	3	3	3	3	3	3	3	3	3	3
-46.25°	3	3	3	3	3	3	3	3	3	3	3
-47.5°	3	3	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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3	3	3	3	3	3	3	3	2	2	2
38.75°	3	3	3	3	3	3	3	3	3	2	2
37.5°	3	3	3	3	3	3	3	3	3	3	2
36.25°	3	3	3	3	3	3	3	3	3	3	3
35°	3	3	3	3	3	3	3	3	3	3	3



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	4	3	3	3	3	3	3	3	3	3	3
32.5°	4	4	3	3	3	3	3	3	3	3	3
31.25°	4	4	4	3	3	3	3	3	3	3	3
30°	4	4	4	4	3	3	3	3	3	3	3
28.75°	4	4	4	4	4	3	3	3	3	3	3
27.5°	5	4	4	4	4	3	3	3	3	3	3
26.25°	5	5	4	4	4	4	3	3	3	3	3
25°	5	5	4	4	4	4	3	3	3	3	3
23.75°	5	5	5	4	4	4	4	3	3	3	3
22.5°	5	5	5	4	4	4	4	3	3	3	3
21.25°	6	5	5	5	4	4	4	4	3	3	3
20°	6	5	5	5	4	4	4	4	3	3	3
18.75°	6	6	5	5	5	4	4	4	4	3	3
17.5°	6	6	5	5	5	4	4	4	4	3	3
16.25°	6	6	6	5	5	5	4	4	4	3	3
15°	7	6	6	5	5	5	4	4	4	3	3
13.75°	7	6	6	6	5	5	4	4	4	4	3
12.5°	7	7	6	6	5	5	5	4	4	4	3
11.25°	8	7	6	6	5	5	5	4	4	4	3
10°	8	7	6	6	5	5	5	4	4	4	3
8.75°	9	7	6	6	6	5	5	4	4	4	3
7.5°	9	7	7	6	6	5	5	4	4	4	4
6.25°	10	8	7	6	6	5	5	4	4	4	4
5°	10	8	7	6	6	5	5	5	4	4	4
3.75°	11	8	7	6	6	5	5	5	4	4	4
2.5°	11	8	7	6	6	5	5	5	4	4	4
1.25°	11	8	7	6	6	5	5	5	4	4	4
0°	11	8	7	6	6	5	5	5	4	4	4
-1.25°	11	8	7	6	6	5	5	5	4	4	4
-2.5°	11	8	7	6	6	5	5	5	4	4	4
-3.75°	11	8	7	6	6	5	5	5	4	4	4
-5°	10	8	7	6	6	5	5	5	4	4	4
-6.25°	10	8	7	6	6	5	5	4	4	4	4
-7.5°	9	7	7	6	6	5	5	4	4	4	4
-8.75°	9	7	6	6	6	5	5	4	4	4	3
-10°	8	7	6	6	5	5	5	4	4	4	3
-11.25°	8	7	6	6	5	5	5	4	4	4	3
-12.5°	7	7	6	6	5	5	5	4	4	4	3
-13.75°	7	6	6	6	5	5	4	4	4	4	3
-15°	7	6	6	5	5	5	4	4	4	3	3
-16.25°	6	6	6	5	5	5	4	4	4	3	3
-17.5°	6	6	5	5	5	4	4	4	4	3	3
-18.75°	6	6	5	5	5	4	4	4	4	3	3
-20°	6	5	5	5	4	4	4	4	3	3	3
-21.25°	6	5	5	5	4	4	4	4	3	3	3



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	5	5	5	4	4	4	4	3	3	3	3
-23.75°	5	5	5	4	4	4	4	3	3	3	3
-25°	5	5	4	4	4	4	3	3	3	3	3
-26.25°	5	5	4	4	4	4	3	3	3	3	3
-27.5°	5	4	4	4	4	3	3	3	3	3	3
-28.75°	4	4	4	4	4	3	3	3	3	3	3
-30°	4	4	4	4	3	3	3	3	3	3	3
-31.25°	4	4	4	3	3	3	3	3	3	3	3
-32.5°	4	4	3	3	3	3	3	3	3	3	3
-33.75°	4	3	3	3	3	3	3	3	3	3	3
-35°	3	3	3	3	3	3	3	3	3	3	3
-36.25°	3	3	3	3	3	3	3	3	3	3	3
-37.5°	3	3	3	3	3	3	3	3	3	3	2
-38.75°	3	3	3	3	3	3	3	3	3	2	2
-40°	3	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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3	3	3	3	3	2	2	2	2	2	2
20°	3	3	3	3	3	3	2	2	2	2	2
18.75°	3	3	3	3	3	3	2	2	2	2	2
17.5°	3	3	3	3	3	3	2	2	2	2	2
16.25°	3	3	3	3	3	3	2	2	2	2	2
15°	3	3	3	3	3	3	2	2	2	2	2
13.75°	3	3	3	3	3	3	3	2	2	2	2
12.5°	3	3	3	3	3	3	3	2	2	2	2
11.25°	3	3	3	3	3	3	3	2	2	2	2
10°	3	3	3	3	3	3	3	2	2	2	2
8.75°	3	3	3	3	3	3	3	2	2	2	2
7.5°	3	3	3	3	3	3	3	2	2	2	2
6.25°	3	3	3	3	3	3	3	2	2	2	2
5°	3	3	3	3	3	3	3	2	2	2	2
3.75°	3	3	3	3	3	3	3	2	2	2	2
2.5°	3	3	3	3	3	3	3	2	2	2	2
1.25°	3	3	3	3	3	3	3	2	2	2	2
0°	3	3	3	3	3	3	3	3	2	2	2
-1.25°	3	3	3	3	3	3	3	2	2	2	2
-2.5°	3	3	3	3	3	3	3	2	2	2	2
-3.75°	3	3	3	3	3	3	3	2	2	2	2
-5°	3	3	3	3	3	3	3	2	2	2	2
-6.25°	3	3	3	3	3	3	3	2	2	2	2
-7.5°	3	3	3	3	3	3	3	2	2	2	2
-8.75°	3	3	3	3	3	3	3	2	2	2	2
-10°	3	3	3	3	3	3	3	2	2	2	2
-11.25°	3	3	3	3	3	3	3	2	2	2	2
-12.5°	3	3	3	3	3	3	3	2	2	2	2
-13.75°	3	3	3	3	3	3	3	2	2	2	2
-15°	3	3	3	3	3	3	2	2	2	2	2
-16.25°	3	3	3	3	3	3	2	2	2	2	2
-17.5°	3	3	3	3	3	3	2	2	2	2	2
-18.75°	3	3	3	3	3	3	2	2	2	2	2
-20°	3	3	3	3	3	3	2	2	2	2	2
-21.25°	3	3	3	3	3	2	2	2	2	2	2



REPORT NUMBER: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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)