

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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3097-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

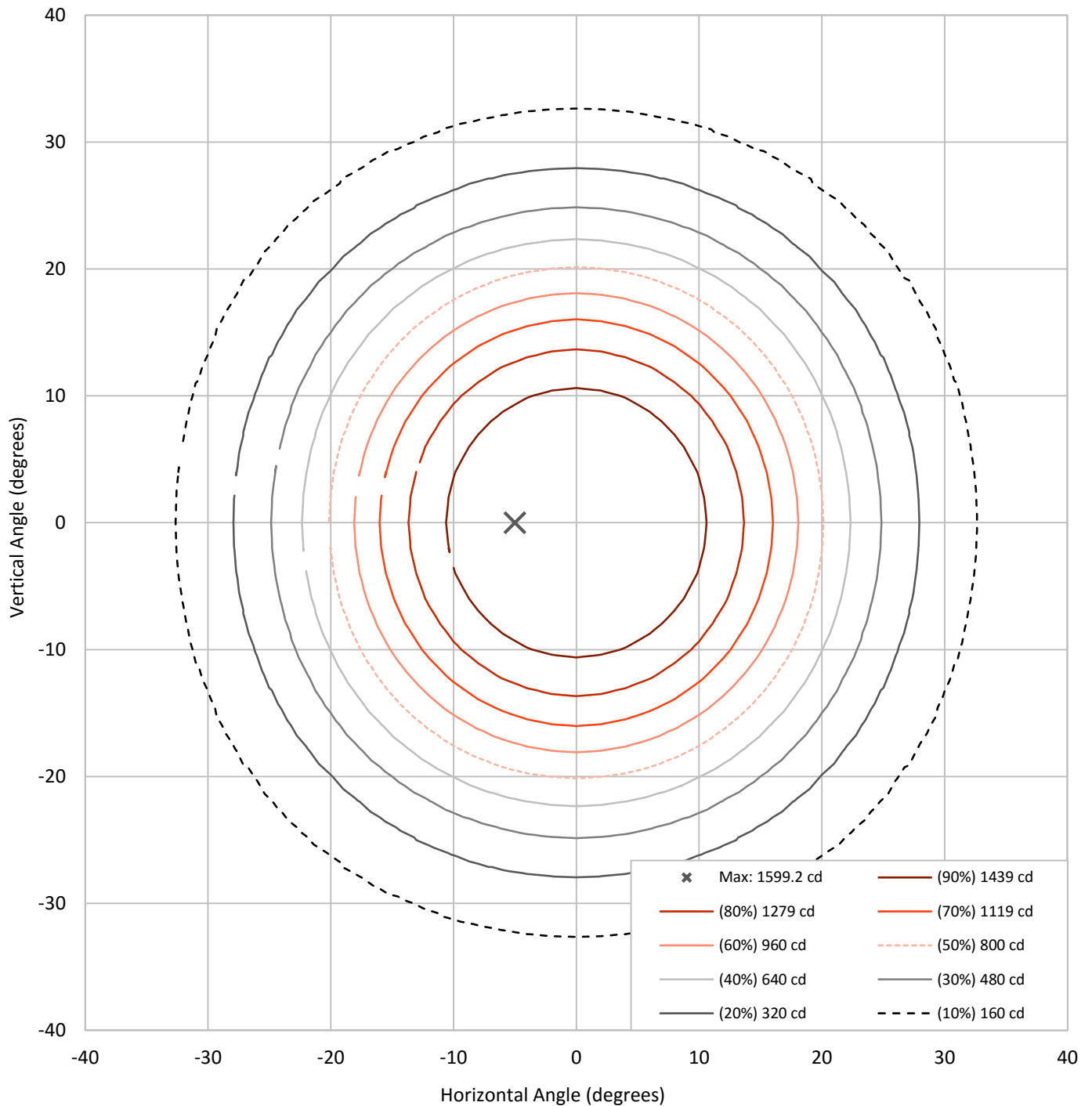
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	783.6 lumens	Max Intensity:	1599.2 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	78.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.3°H x 39.1°V	Field Angle (10%):	65°H x 64.5°V
Beam Lumens:	471.8 lumens	Field Lumens:	717.2 lumens
Beam Efficiency:	60.2%	Field Efficiency:	91.5%
Input Watts (W):	10		
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: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-BK-L1-UNV

Iso-Candela Plot





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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-BK-L1-UNV

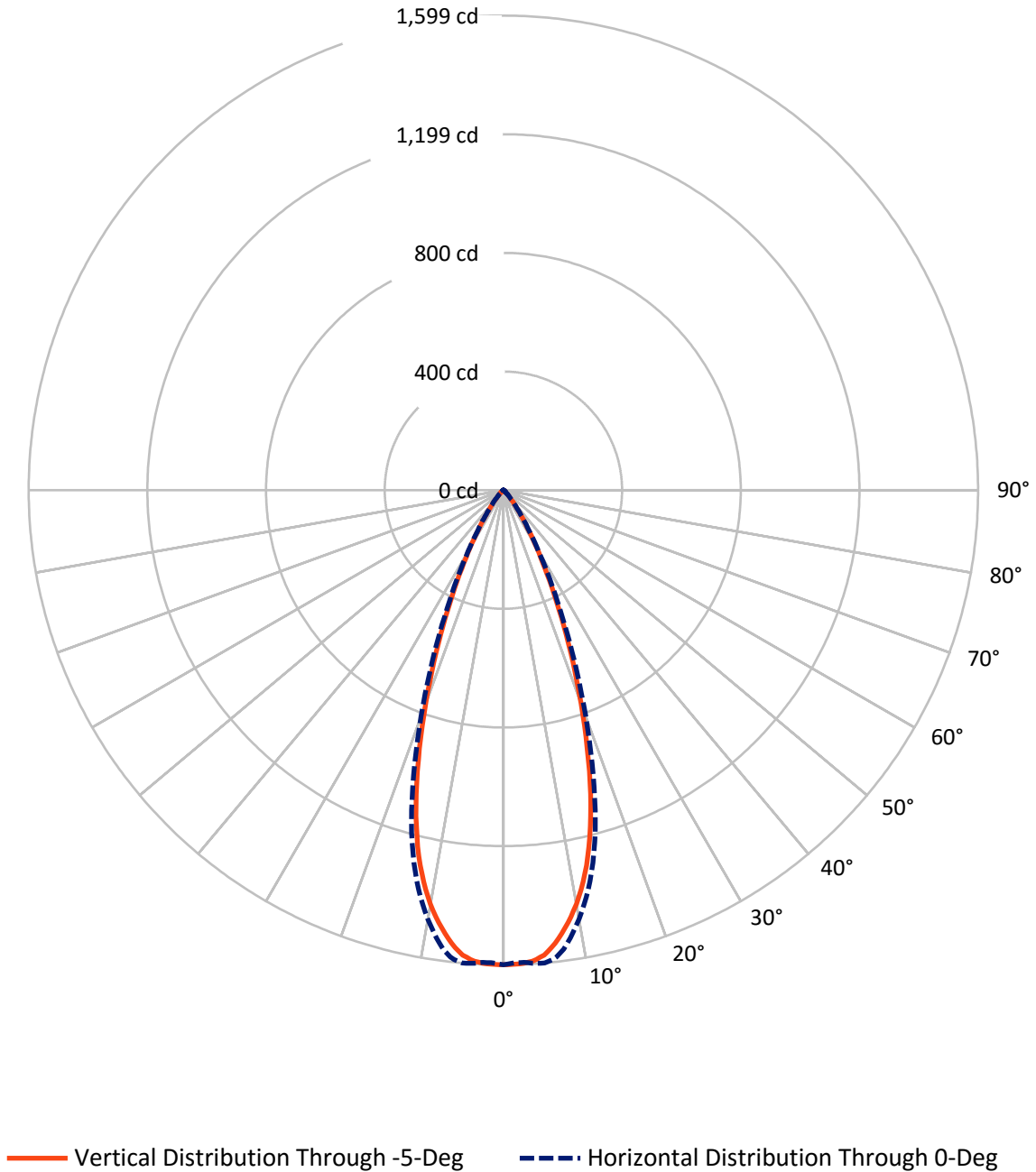
Lumen Table

90	0.0															
80	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	0.0
60		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	0.1	0.1	0.3	0.5	0.6	0.6	0.5	0.3	0.1	0.1	0.0	0.0	0.0
40		0.0	0.0	0.1	0.3	1.0	2.2	3.4	3.4	2.2	1.0	0.3	0.1	0.0	0.0	
30	0.0	0.0	0.1	0.2	0.9	3.4	8.5	13.7	13.7	8.5	3.4	0.9	0.2	0.1	0.0	0.0
20		0.0	0.1	0.3	1.9	8.1	21.4	33.4	33.4	21.4	8.1	1.9	0.3	0.1	0.0	
10	0.0	0.0	0.1	0.5	2.8	12.6	32.5	46.2	46.2	32.5	12.6	2.8	0.5	0.1	0.0	0.0
0		0.0	0.1	0.5	2.8	12.6	32.5	46.2	46.2	32.5	12.6	2.8	0.5	0.1	0.0	
-10	0.0	0.0	0.1	0.3	1.9	8.1	21.4	33.4	33.4	21.4	8.1	1.9	0.3	0.1	0.0	0.0
-20		0.0	0.1	0.2	0.9	3.4	8.5	13.7	13.7	8.5	3.4	0.9	0.2	0.1	0.0	
-30	0.0	0.0	0.0	0.1	0.3	1.0	2.2	3.4	3.4	2.2	1.0	0.3	0.1	0.0	0.0	0.0
-40		0.0	0.0	0.1	0.1	0.3	0.5	0.6	0.6	0.5	0.3	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	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															
-80	0.0															
-90	0.0															

REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

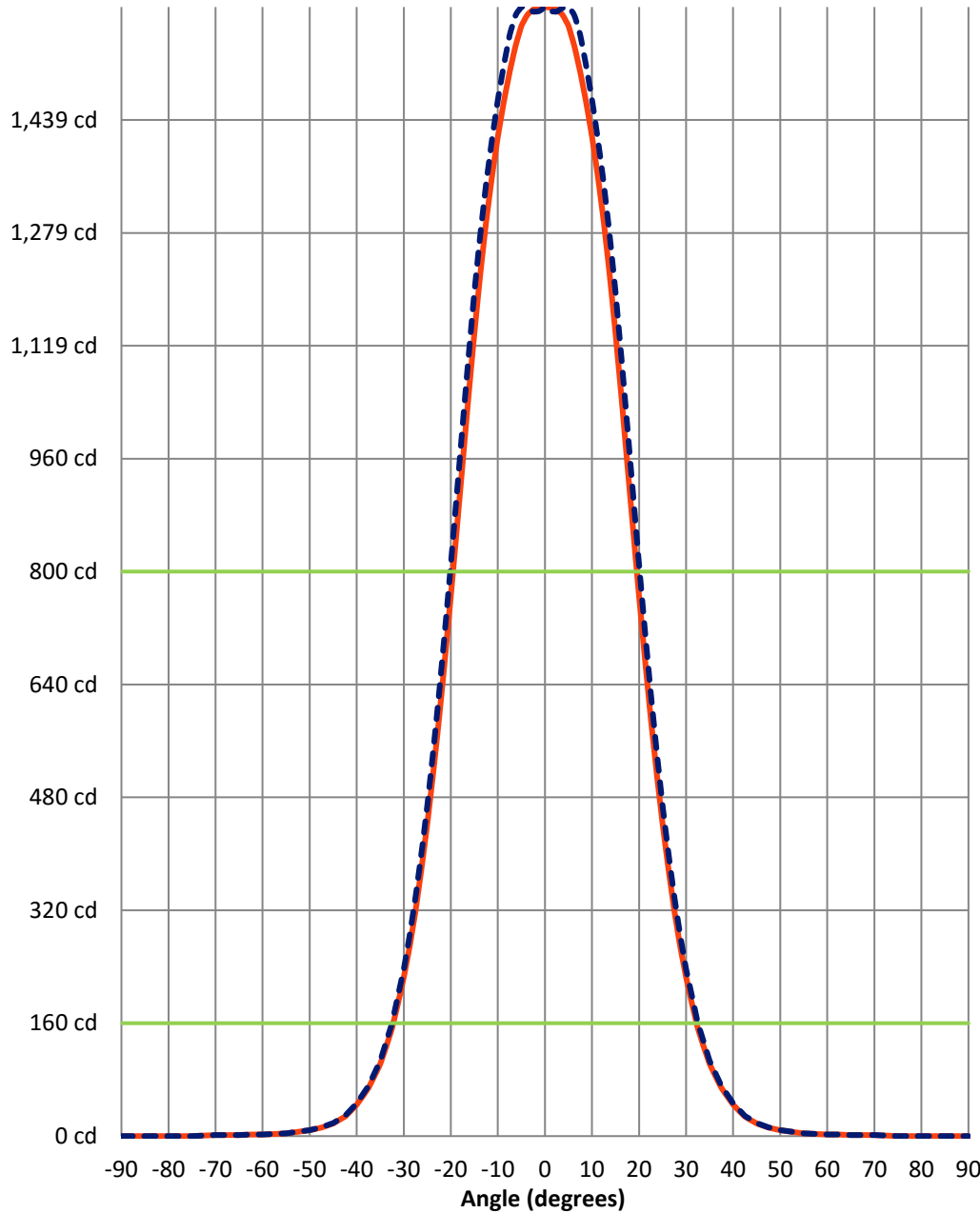
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Plot



Beam:
 H Angle: 40.3°
 V Angle: 39.1°
 Lumens: 471.8
 Efficiency: 60.2%

Field:
 H Angle: 65°
 V Angle: 64.5°
 Lumens: 717.2
 Efficiency: 91.5%

Spill:
 Lumens: 66.4
 Efficiency: 8.5%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through 0-Deg



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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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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	1
47.5°	0	0	0	0	0	0	0	0	0	1	1
46.25°	0	0	0	0	0	0	0	0	0	1	1
45°	0	0	0	0	0	0	0	0	0	1	1
43.75°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	0	1	1	1
41.25°	0	0	0	0	0	0	0	1	1	1	1
40°	0	0	0	0	0	0	0	1	1	1	1
38.75°	0	0	0	0	0	0	0	1	1	1	2
37.5°	0	0	0	0	0	0	1	1	1	1	2
36.25°	0	0	0	0	0	0	1	1	1	1	2
35°	0	0	0	0	0	0	1	1	1	2	2



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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	1	1	1	2	2
32.5°	0	0	0	0	0	1	1	1	1	2	2
31.25°	0	0	0	0	0	1	1	1	2	2	2
30°	0	0	0	0	0	1	1	1	2	2	2
28.75°	0	0	0	0	0	1	1	1	2	2	2
27.5°	0	0	0	0	1	1	1	1	2	2	2
26.25°	0	0	0	0	1	1	1	2	2	2	2
25°	0	0	0	0	1	1	1	2	2	2	2
23.75°	0	0	0	0	1	1	1	2	2	2	2
22.5°	0	0	0	0	1	1	1	2	2	2	2
21.25°	0	0	0	0	1	1	1	2	2	2	2
20°	0	0	0	0	1	1	1	2	2	2	2
18.75°	0	0	0	0	1	1	2	2	2	2	2
17.5°	0	0	0	1	1	1	2	2	2	2	2
16.25°	0	0	0	1	1	1	2	2	2	2	2
15°	0	0	0	1	1	1	2	2	2	2	2
13.75°	0	0	0	1	1	1	2	2	2	2	2
12.5°	0	0	0	1	1	1	2	2	2	2	2
11.25°	0	0	0	1	1	1	2	2	2	2	2
10°	0	0	0	1	1	1	2	2	2	2	2
8.75°	0	0	0	1	1	1	2	2	2	2	2
7.5°	0	0	0	1	1	1	2	2	2	2	2
6.25°	0	0	0	1	1	1	2	2	2	2	2
5°	0	0	0	1	1	1	2	2	2	2	2
3.75°	0	0	0	1	1	1	2	2	2	2	2
2.5°	0	0	0	1	1	1	2	2	2	2	2
1.25°	0	0	0	1	1	1	2	2	2	2	2
0°	0	0	0	1	1	2	2	2	2	2	2
-1.25°	0	0	0	1	1	1	2	2	2	2	2
-2.5°	0	0	0	1	1	1	2	2	2	2	2
-3.75°	0	0	0	1	1	1	2	2	2	2	2
-5°	0	0	0	1	1	1	2	2	2	2	2
-6.25°	0	0	0	1	1	1	2	2	2	2	2
-7.5°	0	0	0	1	1	1	2	2	2	2	2
-8.75°	0	0	0	1	1	1	2	2	2	2	2
-10°	0	0	0	1	1	1	2	2	2	2	2
-11.25°	0	0	0	1	1	1	2	2	2	2	2
-12.5°	0	0	0	1	1	1	2	2	2	2	2
-13.75°	0	0	0	1	1	1	2	2	2	2	2
-15°	0	0	0	1	1	1	2	2	2	2	2
-16.25°	0	0	0	1	1	1	2	2	2	2	2
-17.5°	0	0	0	1	1	1	2	2	2	2	2
-18.75°	0	0	0	0	1	1	2	2	2	2	2
-20°	0	0	0	0	1	1	1	2	2	2	2
-21.25°	0	0	0	0	1	1	1	2	2	2	2



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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	1	1	1	2	2	2	2
-23.75°	0	0	0	0	1	1	1	2	2	2	2
-25°	0	0	0	0	1	1	1	2	2	2	2
-26.25°	0	0	0	0	1	1	1	2	2	2	2
-27.5°	0	0	0	0	1	1	1	1	2	2	2
-28.75°	0	0	0	0	0	1	1	1	2	2	2
-30°	0	0	0	0	0	1	1	1	2	2	2
-31.25°	0	0	0	0	0	1	1	1	2	2	2
-32.5°	0	0	0	0	0	1	1	1	1	2	2
-33.75°	0	0	0	0	0	0	1	1	1	2	2
-35°	0	0	0	0	0	0	1	1	1	2	2
-36.25°	0	0	0	0	0	0	1	1	1	1	2
-37.5°	0	0	0	0	0	0	1	1	1	1	2
-38.75°	0	0	0	0	0	0	0	1	1	1	2
-40°	0	0	0	0	0	0	0	1	1	1	1
-41.25°	0	0	0	0	0	0	0	1	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-43.75°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	0	1	1
-46.25°	0	0	0	0	0	0	0	0	0	1	1
-47.5°	0	0	0	0	0	0	0	0	0	1	1
-48.75°	0	0	0	0	0	0	0	0	0	0	1
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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	1	1
61.25°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	1	1	1	1	1
58.75°	0	0	0	0	0	1	1	1	1	1	1
57.5°	0	0	0	0	1	1	1	1	1	1	2
56.25°	0	0	0	1	1	1	1	1	1	2	2
55°	0	0	1	1	1	1	1	1	2	2	2
53.75°	0	0	1	1	1	1	1	2	2	2	2
52.5°	0	1	1	1	1	1	2	2	2	2	2
51.25°	1	1	1	1	1	2	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	1	2	2	2	2	2	2	2	2
46.25°	1	1	2	2	2	2	2	2	2	2	2
45°	1	1	2	2	2	2	2	2	2	2	2
43.75°	1	2	2	2	2	2	2	2	2	2	2
42.5°	1	2	2	2	2	2	2	2	2	2	2
41.25°	2	2	2	2	2	2	2	2	2	2	2
40°	2	2	2	2	2	2	2	2	2	2	2
38.75°	2	2	2	2	2	2	2	2	2	2	2
37.5°	2	2	2	2	2	2	2	2	2	2	3
36.25°	2	2	2	2	2	2	2	2	2	2	3
35°	2	2	2	2	2	2	2	2	2	3	3



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	2	2	2	2	2	2	2	2	2	3	3
32.5°	2	2	2	2	2	2	2	2	3	3	3
31.25°	2	2	2	2	2	2	2	2	3	3	3
30°	2	2	2	2	2	2	2	3	3	3	4
28.75°	2	2	2	2	2	2	2	3	3	3	4
27.5°	2	2	2	2	2	2	2	3	3	3	4
26.25°	2	2	2	2	2	2	3	3	3	4	4
25°	2	2	2	2	2	2	3	3	3	4	4
23.75°	2	2	2	2	2	2	3	3	4	4	5
22.5°	2	2	2	2	2	3	3	3	4	4	5
21.25°	2	2	2	2	2	3	3	3	4	5	6
20°	2	2	2	2	2	3	3	4	4	5	6
18.75°	2	2	2	2	2	3	3	4	4	5	6
17.5°	2	2	2	2	3	3	3	4	4	5	6
16.25°	2	2	2	2	3	3	3	4	5	6	7
15°	2	2	2	2	3	3	3	4	5	6	7
13.75°	2	2	2	2	3	3	4	4	5	6	7
12.5°	2	2	2	2	3	3	4	4	5	6	7
11.25°	2	2	2	2	3	3	4	4	5	7	8
10°	2	2	2	3	3	3	4	4	6	7	8
8.75°	2	2	2	3	3	3	4	5	6	7	8
7.5°	2	2	2	3	3	3	4	5	6	7	8
6.25°	2	2	2	3	3	3	4	5	6	7	8
5°	2	2	2	3	3	3	4	5	6	7	8
3.75°	2	2	2	3	3	3	4	5	6	7	8
2.5°	2	2	2	3	3	3	4	5	6	7	8
1.25°	2	2	2	3	3	3	4	5	6	7	8
0°	2	2	2	3	3	4	4	5	6	7	8
-1.25°	2	2	2	3	3	3	4	5	6	7	8
-2.5°	2	2	2	3	3	3	4	5	6	7	8
-3.75°	2	2	2	3	3	3	4	5	6	7	8
-5°	2	2	2	3	3	3	4	5	6	7	8
-6.25°	2	2	2	3	3	3	4	5	6	7	8
-7.5°	2	2	2	3	3	3	4	5	6	7	8
-8.75°	2	2	2	3	3	3	4	5	6	7	8
-10°	2	2	2	3	3	3	4	4	6	7	8
-11.25°	2	2	2	2	3	3	4	4	5	7	8
-12.5°	2	2	2	2	3	3	4	4	5	6	7
-13.75°	2	2	2	2	3	3	4	4	5	6	7
-15°	2	2	2	2	3	3	3	4	5	6	7
-16.25°	2	2	2	2	3	3	3	4	5	6	7
-17.5°	2	2	2	2	3	3	3	4	4	5	6
-18.75°	2	2	2	2	2	3	3	4	4	5	6
-20°	2	2	2	2	2	3	3	4	4	5	6
-21.25°	2	2	2	2	2	3	3	3	4	5	6



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	2	2	2	2	2	3	3	3	4	4	5
-23.75°	2	2	2	2	2	2	3	3	4	4	5
-25°	2	2	2	2	2	2	3	3	3	4	4
-26.25°	2	2	2	2	2	2	3	3	3	4	4
-27.5°	2	2	2	2	2	2	2	3	3	3	4
-28.75°	2	2	2	2	2	2	2	3	3	3	4
-30°	2	2	2	2	2	2	2	3	3	3	4
-31.25°	2	2	2	2	2	2	2	2	3	3	3
-32.5°	2	2	2	2	2	2	2	2	3	3	3
-33.75°	2	2	2	2	2	2	2	2	2	3	3
-35°	2	2	2	2	2	2	2	2	2	3	3
-36.25°	2	2	2	2	2	2	2	2	2	2	3
-37.5°	2	2	2	2	2	2	2	2	2	2	3
-38.75°	2	2	2	2	2	2	2	2	2	2	2
-40°	2	2	2	2	2	2	2	2	2	2	2
-41.25°	2	2	2	2	2	2	2	2	2	2	2
-42.5°	1	2	2	2	2	2	2	2	2	2	2
-43.75°	1	2	2	2	2	2	2	2	2	2	2
-45°	1	1	2	2	2	2	2	2	2	2	2
-46.25°	1	1	2	2	2	2	2	2	2	2	2
-47.5°	1	1	1	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	2	2	2	2	2	2
-52.5°	0	1	1	1	1	1	2	2	2	2	2
-53.75°	0	0	1	1	1	1	1	2	2	2	2
-55°	0	0	1	1	1	1	1	1	2	2	2
-56.25°	0	0	0	1	1	1	1	1	1	2	2
-57.5°	0	0	0	0	1	1	1	1	1	1	2
-58.75°	0	0	0	0	0	1	1	1	1	1	1
-60°	0	0	0	0	0	0	1	1	1	1	1
-61.25°	0	0	0	0	0	0	0	0	1	1	1
-62.5°	0	0	0	0	0	0	0	0	0	1	1
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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	1	1
67.5°	0	0	0	0	0	0	1	1	1	1	1
66.25°	0	0	0	0	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	2	2	2
62.5°	1	1	1	1	1	1	2	2	2	2	2
61.25°	1	1	1	1	2	2	2	2	2	2	2
60°	1	1	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	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	2	2
51.25°	2	2	2	2	2	2	2	2	2	2	2
50°	2	2	2	2	2	2	2	2	2	3	3
48.75°	2	2	2	2	2	2	2	2	3	3	3
47.5°	2	2	2	2	2	2	2	3	3	3	3
46.25°	2	2	2	2	2	3	3	3	3	3	4
45°	2	2	2	2	3	3	3	3	3	4	4
43.75°	2	2	2	3	3	3	3	3	4	4	4
42.5°	2	2	3	3	3	3	3	4	4	5	5
41.25°	2	2	3	3	3	3	4	4	5	5	6
40°	2	3	3	3	3	4	4	5	5	6	7
38.75°	3	3	3	3	4	4	5	5	6	7	8
37.5°	3	3	3	4	4	5	5	6	7	8	8
36.25°	3	3	4	4	4	5	6	7	8	8	9
35°	3	3	4	4	5	6	7	7	8	9	11



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	3	4	4	5	6	6	7	8	9	10	12
32.5°	4	4	5	5	6	7	8	9	10	12	13
31.25°	4	4	5	6	7	8	8	10	11	13	15
30°	4	5	6	6	7	8	9	11	12	15	17
28.75°	4	5	6	7	8	9	10	12	14	16	18
27.5°	5	6	7	7	8	10	11	13	15	18	21
26.25°	5	6	7	8	9	11	12	15	17	20	24
25°	5	6	7	8	10	12	14	16	18	22	26
23.75°	6	7	8	9	11	12	15	17	21	25	29
22.5°	6	7	8	10	11	13	16	19	23	27	33
21.25°	7	8	9	10	12	15	17	21	25	30	37
20°	7	8	9	11	13	16	18	23	27	34	41
18.75°	7	8	10	12	14	17	20	25	29	37	45
17.5°	8	9	10	12	15	18	22	26	33	40	49
16.25°	8	9	11	13	16	19	23	28	36	44	54
15°	8	10	11	14	17	20	25	30	38	47	58
13.75°	8	10	12	15	17	21	26	33	41	50	62
12.5°	9	10	12	15	18	23	27	35	43	54	66
11.25°	9	11	13	16	19	24	29	37	46	57	69
10°	9	11	13	16	20	25	31	39	48	60	72
8.75°	10	11	14	17	21	26	32	41	51	63	76
7.5°	10	12	14	17	21	26	34	42	53	65	79
6.25°	10	12	15	18	22	27	35	44	55	67	82
5°	10	12	15	18	23	28	36	45	56	68	85
3.75°	10	12	15	18	23	28	37	45	57	70	86
2.5°	10	12	15	18	23	28	37	46	58	70	88
1.25°	10	12	15	18	23	29	37	46	59	71	89
0°	10	12	15	19	24	29	38	46	59	71	89
-1.25°	10	12	15	18	23	29	37	46	59	71	89
-2.5°	10	12	15	18	23	28	37	46	58	70	88
-3.75°	10	12	15	18	23	28	37	45	57	70	86
-5°	10	12	15	18	23	28	36	45	56	68	85
-6.25°	10	12	15	18	22	27	35	44	55	67	82
-7.5°	10	12	14	17	21	26	34	42	53	65	79
-8.75°	10	11	14	17	21	26	32	41	51	63	76
-10°	9	11	13	16	20	25	31	39	48	60	72
-11.25°	9	11	13	16	19	24	29	37	46	57	69
-12.5°	9	10	12	15	18	23	27	35	43	54	66
-13.75°	8	10	12	15	17	21	26	33	41	50	62
-15°	8	10	11	14	17	20	25	30	38	47	58
-16.25°	8	9	11	13	16	19	23	28	36	44	54
-17.5°	8	9	10	12	15	18	22	26	33	40	49
-18.75°	7	8	10	12	14	17	20	25	29	37	45
-20°	7	8	9	11	13	16	18	23	27	34	41
-21.25°	7	8	9	10	12	15	17	21	25	30	37



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	6	7	8	10	11	13	16	19	23	27	33
-23.75°	6	7	8	9	11	12	15	17	21	25	29
-25°	5	6	7	8	10	12	14	16	18	22	26
-26.25°	5	6	7	8	9	11	12	15	17	20	24
-27.5°	5	6	7	7	8	10	11	13	15	18	21
-28.75°	4	5	6	7	8	9	10	12	14	16	18
-30°	4	5	6	6	7	8	9	11	12	15	17
-31.25°	4	4	5	6	7	8	8	10	11	13	15
-32.5°	4	4	5	5	6	7	8	9	10	12	13
-33.75°	3	4	4	5	6	6	7	8	9	10	12
-35°	3	3	4	4	5	6	7	7	8	9	11
-36.25°	3	3	4	4	4	5	6	7	8	8	9
-37.5°	3	3	3	4	4	5	5	6	7	8	8
-38.75°	3	3	3	3	4	4	5	5	6	7	8
-40°	2	3	3	3	3	4	4	5	5	6	7
-41.25°	2	2	3	3	3	3	4	4	5	5	6
-42.5°	2	2	3	3	3	3	3	4	4	5	5
-43.75°	2	2	2	3	3	3	3	3	4	4	4
-45°	2	2	2	2	3	3	3	3	3	4	4
-46.25°	2	2	2	2	2	3	3	3	3	3	4
-47.5°	2	2	2	2	2	2	2	3	3	3	3
-48.75°	2	2	2	2	2	2	2	2	3	3	3
-50°	2	2	2	2	2	2	2	2	2	3	3
-51.25°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-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°	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°	1	1	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	2	2	2	2	2
-63.75°	1	1	1	1	1	1	1	1	2	2	2
-65°	0	1	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	0	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	1	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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	1	1	1	1	1
70°	0	0	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	2	2	2	2
66.25°	1	1	1	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°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	3
55°	2	2	2	2	2	2	2	3	3	3	3
53.75°	2	2	2	2	3	3	3	3	3	3	3
52.5°	2	2	3	3	3	3	3	3	3	4	4
51.25°	3	3	3	3	3	3	3	4	4	4	4
50°	3	3	3	3	4	4	4	4	4	5	5
48.75°	3	3	4	4	4	4	5	5	5	6	6
47.5°	3	4	4	4	5	5	6	6	6	7	7
46.25°	4	4	5	5	6	6	7	7	7	8	8
45°	4	5	5	6	6	7	7	8	8	9	10
43.75°	5	6	6	7	7	8	8	9	10	11	11
42.5°	6	6	7	8	8	9	10	11	12	12	13
41.25°	7	7	8	8	9	10	11	12	14	15	16
40°	7	8	9	10	11	12	13	15	16	17	19
38.75°	8	9	10	11	12	14	15	17	18	21	23
37.5°	9	10	12	13	15	16	18	20	22	25	27
36.25°	11	12	13	15	17	18	21	24	26	29	33
35°	12	13	15	17	19	22	25	28	32	36	41



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	13	15	17	20	23	26	29	34	39	43	48
32.5°	15	17	20	23	26	30	35	40	45	52	58
31.25°	17	20	23	26	30	36	42	47	54	61	68
30°	19	23	26	30	36	42	48	56	63	70	80
28.75°	22	26	30	36	42	49	57	65	73	83	94
27.5°	25	29	35	42	48	57	65	74	85	96	107
26.25°	28	34	40	47	56	65	74	86	98	110	127
25°	32	39	45	54	63	73	85	98	111	129	146
23.75°	36	43	52	61	70	83	96	110	129	147	167
22.5°	41	48	58	68	80	94	107	127	146	167	194
21.25°	45	54	64	76	90	104	123	143	164	192	219
20°	50	60	70	85	99	117	138	159	187	216	246
18.75°	55	66	78	93	109	130	152	179	209	239	275
17.5°	60	71	86	101	121	144	168	200	231	266	306
16.25°	65	78	93	110	133	156	187	219	254	294	339
15°	69	84	100	121	144	171	205	238	277	322	371
13.75°	74	90	107	131	155	187	221	258	302	351	403
12.5°	80	96	116	140	167	202	236	278	326	379	436
11.25°	85	101	124	149	180	215	253	298	350	406	467
10°	89	106	131	157	191	227	269	317	372	432	497
8.75°	93	112	138	165	202	239	284	335	393	456	525
7.5°	97	118	144	174	211	250	297	352	411	478	551
6.25°	100	122	149	181	219	260	309	366	428	498	573
5°	102	126	153	187	225	268	319	378	442	514	591
3.75°	104	129	156	192	230	275	328	388	454	527	607
2.5°	105	132	158	195	234	280	334	394	462	537	618
1.25°	106	133	159	197	236	283	338	399	467	542	625
0°	107	133	160	198	236	284	339	400	468	544	627
-1.25°	106	133	159	197	236	283	338	399	467	542	625
-2.5°	105	132	158	195	234	280	334	394	462	537	618
-3.75°	104	129	156	192	230	275	328	388	454	527	607
-5°	102	126	153	187	225	268	319	378	442	514	591
-6.25°	100	122	149	181	219	260	309	366	428	498	573
-7.5°	97	118	144	174	211	250	297	352	411	478	551
-8.75°	93	112	138	165	202	239	284	335	393	456	525
-10°	89	106	131	157	191	227	269	317	372	432	497
-11.25°	85	101	124	149	180	215	253	298	350	406	467
-12.5°	80	96	116	140	167	202	236	278	326	379	436
-13.75°	74	90	107	131	155	187	221	258	302	351	403
-15°	69	84	100	121	144	171	205	238	277	322	371
-16.25°	65	78	93	110	133	156	187	219	254	294	339
-17.5°	60	71	86	101	121	144	168	200	231	266	306
-18.75°	55	66	78	93	109	130	152	179	209	239	275
-20°	50	60	70	85	99	117	138	159	187	216	246
-21.25°	45	54	64	76	90	104	123	143	164	192	219



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	41	48	58	68	80	94	107	127	146	167	194
-23.75°	36	43	52	61	70	83	96	110	129	147	167
-25°	32	39	45	54	63	73	85	98	111	129	146
-26.25°	28	34	40	47	56	65	74	86	98	110	127
-27.5°	25	29	35	42	48	57	65	74	85	96	107
-28.75°	22	26	30	36	42	49	57	65	73	83	94
-30°	19	23	26	30	36	42	48	56	63	70	80
-31.25°	17	20	23	26	30	36	42	47	54	61	68
-32.5°	15	17	20	23	26	30	35	40	45	52	58
-33.75°	13	15	17	20	23	26	29	34	39	43	48
-35°	12	13	15	17	19	22	25	28	32	36	41
-36.25°	11	12	13	15	17	18	21	24	26	29	33
-37.5°	9	10	12	13	15	16	18	20	22	25	27
-38.75°	8	9	10	11	12	14	15	17	18	21	23
-40°	7	8	9	10	11	12	13	15	16	17	19
-41.25°	7	7	8	8	9	10	11	12	14	15	16
-42.5°	6	6	7	8	8	9	10	11	12	12	13
-43.75°	5	6	6	7	7	8	8	9	10	11	11
-45°	4	5	5	6	6	7	7	8	8	9	10
-46.25°	4	4	5	5	6	6	7	7	7	8	8
-47.5°	3	4	4	4	5	5	6	6	6	7	7
-48.75°	3	3	4	4	4	4	5	5	5	6	6
-50°	3	3	3	3	4	4	4	4	4	5	5
-51.25°	3	3	3	3	3	3	3	4	4	4	4
-52.5°	2	2	3	3	3	3	3	3	3	4	4
-53.75°	2	2	2	2	3	3	3	3	3	3	3
-55°	2	2	2	2	2	2	2	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	2	2	3
-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°	2	2	2	2	2	2	2	2	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°	1	1	1	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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	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	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	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	3	3
57.5°	2	2	2	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	4	4	4	4	4
53.75°	3	4	4	4	4	4	4	4	4	4	5
52.5°	4	4	4	4	5	5	5	5	5	6	6
51.25°	5	5	5	5	6	6	6	6	7	7	7
50°	6	6	6	6	7	7	7	7	8	8	8
48.75°	7	7	7	8	8	8	8	9	9	9	10
47.5°	8	8	8	9	9	10	10	10	11	11	11
46.25°	9	9	10	10	11	11	12	12	13	13	14
45°	10	11	12	12	13	14	15	15	16	16	17
43.75°	12	13	14	15	16	17	17	18	19	20	21
42.5°	15	16	17	18	19	20	21	23	24	25	26
41.25°	17	18	20	22	23	25	26	27	29	31	32
40°	21	23	25	26	28	30	33	35	37	39	41
38.75°	25	27	29	33	36	38	41	43	46	48	51
37.5°	30	34	37	40	44	47	50	54	57	60	63
36.25°	37	41	45	49	54	58	62	66	69	72	76
35°	45	50	55	60	65	69	74	80	85	89	93



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	54	60	66	71	78	84	90	96	101	106	112
32.5°	64	70	78	86	93	100	107	116	124	131	138
31.25°	76	85	93	101	110	121	131	140	149	157	165
30°	90	99	109	121	133	144	155	167	180	191	202
28.75°	104	117	130	144	156	171	187	202	215	227	239
27.5°	123	138	152	168	187	205	221	236	253	269	284
26.25°	143	159	179	200	219	238	258	278	298	317	335
25°	164	187	209	231	254	277	302	326	350	372	393
23.75°	192	216	239	266	294	322	351	379	406	432	456
22.5°	219	246	275	306	339	371	403	436	467	497	525
21.25°	248	279	313	350	386	423	461	498	533	568	599
20°	279	316	355	396	437	479	522	564	604	643	679
18.75°	313	355	399	444	491	539	586	633	679	722	762
17.5°	350	396	444	495	547	600	653	705	756	804	848
16.25°	386	437	491	547	605	663	722	780	835	887	935
15°	423	479	539	600	663	727	791	854	914	969	1021
13.75°	461	522	586	653	722	791	860	927	991	1050	1103
12.5°	498	564	633	705	780	854	927	998	1065	1125	1179
11.25°	533	604	679	756	835	914	991	1065	1132	1195	1247
10°	568	643	722	804	887	969	1050	1125	1195	1255	1306
8.75°	599	679	762	848	935	1021	1103	1179	1247	1306	1357
7.5°	629	712	799	888	978	1066	1149	1225	1292	1350	1400
6.25°	654	740	831	923	1016	1105	1189	1264	1330	1387	1435
5°	676	765	858	952	1047	1137	1221	1295	1360	1416	1465
3.75°	693	784	879	976	1071	1162	1245	1319	1383	1438	1487
2.5°	706	798	895	993	1089	1180	1263	1336	1399	1454	1503
1.25°	713	807	904	1003	1099	1191	1273	1346	1409	1465	1513
0°	716	810	907	1006	1103	1195	1277	1349	1412	1468	1517
-1.25°	713	807	904	1003	1099	1191	1273	1346	1409	1465	1513
-2.5°	706	798	895	993	1089	1180	1263	1336	1399	1454	1503
-3.75°	693	784	879	976	1071	1162	1245	1319	1383	1438	1487
-5°	676	765	858	952	1047	1137	1221	1295	1360	1416	1465
-6.25°	654	740	831	923	1016	1105	1189	1264	1330	1387	1435
-7.5°	629	712	799	888	978	1066	1149	1225	1292	1350	1400
-8.75°	599	679	762	848	935	1021	1103	1179	1247	1306	1357
-10°	568	643	722	804	887	969	1050	1125	1195	1255	1306
-11.25°	533	604	679	756	835	914	991	1065	1132	1195	1247
-12.5°	498	564	633	705	780	854	927	998	1065	1125	1179
-13.75°	461	522	586	653	722	791	860	927	991	1050	1103
-15°	423	479	539	600	663	727	791	854	914	969	1021
-16.25°	386	437	491	547	605	663	722	780	835	887	935
-17.5°	350	396	444	495	547	600	653	705	756	804	848
-18.75°	313	355	399	444	491	539	586	633	679	722	762
-20°	279	316	355	396	437	479	522	564	604	643	679
-21.25°	248	279	313	350	386	423	461	498	533	568	599



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	219	246	275	306	339	371	403	436	467	497	525
-23.75°	192	216	239	266	294	322	351	379	406	432	456
-25°	164	187	209	231	254	277	302	326	350	372	393
-26.25°	143	159	179	200	219	238	258	278	298	317	335
-27.5°	123	138	152	168	187	205	221	236	253	269	284
-28.75°	104	117	130	144	156	171	187	202	215	227	239
-30°	90	99	109	121	133	144	155	167	180	191	202
-31.25°	76	85	93	101	110	121	131	140	149	157	165
-32.5°	64	70	78	86	93	100	107	116	124	131	138
-33.75°	54	60	66	71	78	84	90	96	101	106	112
-35°	45	50	55	60	65	69	74	80	85	89	93
-36.25°	37	41	45	49	54	58	62	66	69	72	76
-37.5°	30	34	37	40	44	47	50	54	57	60	63
-38.75°	25	27	29	33	36	38	41	43	46	48	51
-40°	21	23	25	26	28	30	33	35	37	39	41
-41.25°	17	18	20	22	23	25	26	27	29	31	32
-42.5°	15	16	17	18	19	20	21	23	24	25	26
-43.75°	12	13	14	15	16	17	17	18	19	20	21
-45°	10	11	12	12	13	14	15	15	16	16	17
-46.25°	9	9	10	10	11	11	12	12	13	13	14
-47.5°	8	8	8	9	9	10	10	10	11	11	11
-48.75°	7	7	7	8	8	8	8	9	9	9	10
-50°	6	6	6	6	7	7	7	7	8	8	8
-51.25°	5	5	5	5	6	6	6	6	7	7	7
-52.5°	4	4	4	4	5	5	5	5	5	6	6
-53.75°	3	4	4	4	4	4	4	4	4	4	5
-55°	3	3	3	3	3	3	4	4	4	4	4
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	2	2	2	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	2	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	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°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	1	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	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	2	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	4	3	3	3	3
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	5	5	5	5
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	7	7	7	7	7	7	7	7	7	7	7
50°	8	8	8	8	8	8	8	8	8	8	8
48.75°	10	10	10	10	10	10	10	10	10	10	10
47.5°	12	12	12	12	12	12	12	12	12	12	12
46.25°	14	15	15	15	15	15	15	15	15	15	15
45°	17	18	18	18	18	18	19	18	18	18	18
43.75°	21	22	23	23	23	23	24	23	23	23	23
42.5°	26	27	28	28	28	29	29	29	28	28	28
41.25°	34	35	36	37	37	37	38	37	37	37	36
40°	42	44	45	45	46	46	46	46	46	45	45
38.75°	53	55	56	57	58	59	59	59	58	57	56
37.5°	65	67	68	70	70	71	71	71	70	70	68
36.25°	79	82	85	86	88	89	89	89	88	86	85
35°	97	100	102	104	105	106	107	106	105	104	102



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	118	122	126	129	132	133	133	133	132	129	126
32.5°	144	149	153	156	158	159	160	159	158	156	153
31.25°	174	181	187	192	195	197	198	197	195	192	187
30°	211	219	225	230	234	236	236	236	234	230	225
28.75°	250	260	268	275	280	283	284	283	280	275	268
27.5°	297	309	319	328	334	338	339	338	334	328	319
26.25°	352	366	378	388	394	399	400	399	394	388	378
25°	411	428	442	454	462	467	468	467	462	454	442
23.75°	478	498	514	527	537	542	544	542	537	527	514
22.5°	551	573	591	607	618	625	627	625	618	607	591
21.25°	629	654	676	693	706	713	716	713	706	693	676
20°	712	740	765	784	798	807	810	807	798	784	765
18.75°	799	831	858	879	895	904	907	904	895	879	858
17.5°	888	923	952	976	993	1003	1006	1003	993	976	952
16.25°	978	1016	1047	1071	1089	1099	1103	1099	1089	1071	1047
15°	1066	1105	1137	1162	1180	1191	1195	1191	1180	1162	1137
13.75°	1149	1189	1221	1245	1263	1273	1277	1273	1263	1245	1221
12.5°	1225	1264	1295	1319	1336	1346	1349	1346	1336	1319	1295
11.25°	1292	1330	1360	1383	1399	1409	1412	1409	1399	1383	1360
10°	1350	1387	1416	1438	1454	1465	1468	1465	1454	1438	1416
8.75°	1400	1435	1465	1487	1503	1513	1517	1513	1503	1487	1465
7.5°	1442	1478	1507	1530	1547	1556	1559	1556	1547	1530	1507
6.25°	1478	1514	1544	1566	1580	1586	1588	1586	1580	1566	1544
5°	1507	1544	1572	1589	1596	1598	1599	1598	1596	1589	1572
3.75°	1530	1566	1589	1597	1599	1599	1598	1599	1599	1597	1589
2.5°	1547	1580	1596	1599	1597	1594	1593	1594	1597	1599	1596
1.25°	1556	1586	1598	1599	1594	1591	1593	1591	1594	1599	1598
0°	1559	1588	1599	1598	1593	1593	1599	1593	1593	1598	1599
-1.25°	1556	1586	1598	1599	1594	1591	1593	1591	1594	1599	1598
-2.5°	1547	1580	1596	1599	1597	1594	1593	1594	1597	1599	1596
-3.75°	1530	1566	1589	1597	1599	1599	1598	1599	1599	1597	1589
-5°	1507	1544	1572	1589	1596	1598	1599	1598	1596	1589	1572
-6.25°	1478	1514	1544	1566	1580	1586	1588	1586	1580	1566	1544
-7.5°	1442	1478	1507	1530	1547	1556	1559	1556	1547	1530	1507
-8.75°	1400	1435	1465	1487	1503	1513	1517	1513	1503	1487	1465
-10°	1350	1387	1416	1438	1454	1465	1468	1465	1454	1438	1416
-11.25°	1292	1330	1360	1383	1399	1409	1412	1409	1399	1383	1360
-12.5°	1225	1264	1295	1319	1336	1346	1349	1346	1336	1319	1295
-13.75°	1149	1189	1221	1245	1263	1273	1277	1273	1263	1245	1221
-15°	1066	1105	1137	1162	1180	1191	1195	1191	1180	1162	1137
-16.25°	978	1016	1047	1071	1089	1099	1103	1099	1089	1071	1047
-17.5°	888	923	952	976	993	1003	1006	1003	993	976	952
-18.75°	799	831	858	879	895	904	907	904	895	879	858
-20°	712	740	765	784	798	807	810	807	798	784	765
-21.25°	629	654	676	693	706	713	716	713	706	693	676



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	551	573	591	607	618	625	627	625	618	607	591
-23.75°	478	498	514	527	537	542	544	542	537	527	514
-25°	411	428	442	454	462	467	468	467	462	454	442
-26.25°	352	366	378	388	394	399	400	399	394	388	378
-27.5°	297	309	319	328	334	338	339	338	334	328	319
-28.75°	250	260	268	275	280	283	284	283	280	275	268
-30°	211	219	225	230	234	236	236	236	234	230	225
-31.25°	174	181	187	192	195	197	198	197	195	192	187
-32.5°	144	149	153	156	158	159	160	159	158	156	153
-33.75°	118	122	126	129	132	133	133	133	132	129	126
-35°	97	100	102	104	105	106	107	106	105	104	102
-36.25°	79	82	85	86	88	89	89	89	88	86	85
-37.5°	65	67	68	70	70	71	71	71	70	70	68
-38.75°	53	55	56	57	58	59	59	59	58	57	56
-40°	42	44	45	45	46	46	46	46	46	45	45
-41.25°	34	35	36	37	37	37	38	37	37	37	36
-42.5°	26	27	28	28	28	29	29	29	28	28	28
-43.75°	21	22	23	23	23	23	24	23	23	23	23
-45°	17	18	18	18	18	18	19	18	18	18	18
-46.25°	14	15	15	15	15	15	15	15	15	15	15
-47.5°	12	12	12	12	12	12	12	12	12	12	12
-48.75°	10	10	10	10	10	10	10	10	10	10	10
-50°	8	8	8	8	8	8	8	8	8	8	8
-51.25°	7	7	7	7	7	7	7	7	7	7	7
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	5	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	3	3	3	3	3	3	4	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	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°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	2	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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	1	1	1	1	1	1	1	1	1	1	0
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	2
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	3	3	3	3
53.75°	5	5	5	4	4	4	4	4	4	4	4
52.5°	6	6	6	6	5	5	5	5	5	4	4
51.25°	7	7	7	7	7	6	6	6	6	5	5
50°	8	8	8	8	8	7	7	7	7	6	6
48.75°	10	10	10	9	9	9	8	8	8	8	7
47.5°	12	12	11	11	11	10	10	10	9	9	8
46.25°	15	14	14	13	13	12	12	11	11	10	10
45°	18	17	17	16	16	15	15	14	13	12	12
43.75°	22	21	21	20	19	18	17	17	16	15	14
42.5°	27	26	26	25	24	23	21	20	19	18	17
41.25°	35	34	32	31	29	27	26	25	23	22	20
40°	44	42	41	39	37	35	33	30	28	26	25
38.75°	55	53	51	48	46	43	41	38	36	33	29
37.5°	67	65	63	60	57	54	50	47	44	40	37
36.25°	82	79	76	72	69	66	62	58	54	49	45
35°	100	97	93	89	85	80	74	69	65	60	55



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	122	118	112	106	101	96	90	84	78	71	66
32.5°	149	144	138	131	124	116	107	100	93	86	78
31.25°	181	174	165	157	149	140	131	121	110	101	93
30°	219	211	202	191	180	167	155	144	133	121	109
28.75°	260	250	239	227	215	202	187	171	156	144	130
27.5°	309	297	284	269	253	236	221	205	187	168	152
26.25°	366	352	335	317	298	278	258	238	219	200	179
25°	428	411	393	372	350	326	302	277	254	231	209
23.75°	498	478	456	432	406	379	351	322	294	266	239
22.5°	573	551	525	497	467	436	403	371	339	306	275
21.25°	654	629	599	568	533	498	461	423	386	350	313
20°	740	712	679	643	604	564	522	479	437	396	355
18.75°	831	799	762	722	679	633	586	539	491	444	399
17.5°	923	888	848	804	756	705	653	600	547	495	444
16.25°	1016	978	935	887	835	780	722	663	605	547	491
15°	1105	1066	1021	969	914	854	791	727	663	600	539
13.75°	1189	1149	1103	1050	991	927	860	791	722	653	586
12.5°	1264	1225	1179	1125	1065	998	927	854	780	705	633
11.25°	1330	1292	1247	1195	1132	1065	991	914	835	756	679
10°	1387	1350	1306	1255	1195	1125	1050	969	887	804	722
8.75°	1435	1400	1357	1306	1247	1179	1103	1021	935	848	762
7.5°	1478	1442	1400	1350	1292	1225	1149	1066	978	888	799
6.25°	1514	1478	1435	1387	1330	1264	1189	1105	1016	923	831
5°	1544	1507	1465	1416	1360	1295	1221	1137	1047	952	858
3.75°	1566	1530	1487	1438	1383	1319	1245	1162	1071	976	879
2.5°	1580	1547	1503	1454	1399	1336	1263	1180	1089	993	895
1.25°	1586	1556	1513	1465	1409	1346	1273	1191	1099	1003	904
0°	1588	1559	1517	1468	1412	1349	1277	1195	1103	1006	907
-1.25°	1586	1556	1513	1465	1409	1346	1273	1191	1099	1003	904
-2.5°	1580	1547	1503	1454	1399	1336	1263	1180	1089	993	895
-3.75°	1566	1530	1487	1438	1383	1319	1245	1162	1071	976	879
-5°	1544	1507	1465	1416	1360	1295	1221	1137	1047	952	858
-6.25°	1514	1478	1435	1387	1330	1264	1189	1105	1016	923	831
-7.5°	1478	1442	1400	1350	1292	1225	1149	1066	978	888	799
-8.75°	1435	1400	1357	1306	1247	1179	1103	1021	935	848	762
-10°	1387	1350	1306	1255	1195	1125	1050	969	887	804	722
-11.25°	1330	1292	1247	1195	1132	1065	991	914	835	756	679
-12.5°	1264	1225	1179	1125	1065	998	927	854	780	705	633
-13.75°	1189	1149	1103	1050	991	927	860	791	722	653	586
-15°	1105	1066	1021	969	914	854	791	727	663	600	539
-16.25°	1016	978	935	887	835	780	722	663	605	547	491
-17.5°	923	888	848	804	756	705	653	600	547	495	444
-18.75°	831	799	762	722	679	633	586	539	491	444	399
-20°	740	712	679	643	604	564	522	479	437	396	355
-21.25°	654	629	599	568	533	498	461	423	386	350	313



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	573	551	525	497	467	436	403	371	339	306	275
-23.75°	498	478	456	432	406	379	351	322	294	266	239
-25°	428	411	393	372	350	326	302	277	254	231	209
-26.25°	366	352	335	317	298	278	258	238	219	200	179
-27.5°	309	297	284	269	253	236	221	205	187	168	152
-28.75°	260	250	239	227	215	202	187	171	156	144	130
-30°	219	211	202	191	180	167	155	144	133	121	109
-31.25°	181	174	165	157	149	140	131	121	110	101	93
-32.5°	149	144	138	131	124	116	107	100	93	86	78
-33.75°	122	118	112	106	101	96	90	84	78	71	66
-35°	100	97	93	89	85	80	74	69	65	60	55
-36.25°	82	79	76	72	69	66	62	58	54	49	45
-37.5°	67	65	63	60	57	54	50	47	44	40	37
-38.75°	55	53	51	48	46	43	41	38	36	33	29
-40°	44	42	41	39	37	35	33	30	28	26	25
-41.25°	35	34	32	31	29	27	26	25	23	22	20
-42.5°	27	26	26	25	24	23	21	20	19	18	17
-43.75°	22	21	21	20	19	18	17	17	16	15	14
-45°	18	17	17	16	16	15	15	14	13	12	12
-46.25°	15	14	14	13	13	12	12	11	11	10	10
-47.5°	12	12	11	11	11	10	10	10	9	9	8
-48.75°	10	10	10	9	9	9	8	8	8	8	7
-50°	8	8	8	8	8	7	7	7	7	6	6
-51.25°	7	7	7	7	7	6	6	6	6	5	5
-52.5°	6	6	6	6	5	5	5	5	5	4	4
-53.75°	5	5	5	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	2
-58.75°	3	3	3	3	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	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°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	1	1	1	1	1	1	1	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	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°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	3	3	3	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	2	2	2	2	2
53.75°	4	3	3	3	3	3	3	3	3	2	2
52.5°	4	4	4	4	3	3	3	3	3	3	3
51.25°	5	5	4	4	4	4	3	3	3	3	3
50°	6	6	5	5	4	4	4	4	4	3	3
48.75°	7	7	6	6	5	5	5	4	4	4	4
47.5°	8	8	7	7	6	6	6	5	5	4	4
46.25°	9	9	8	8	7	7	7	6	6	5	5
45°	11	10	10	9	8	8	7	7	6	6	5
43.75°	13	12	11	11	10	9	8	8	7	7	6
42.5°	16	15	13	12	12	11	10	9	8	8	7
41.25°	18	17	16	15	14	12	11	10	9	8	8
40°	23	21	19	17	16	15	13	12	11	10	9
38.75°	27	25	23	21	18	17	15	14	12	11	10
37.5°	34	30	27	25	22	20	18	16	15	13	12
36.25°	41	37	33	29	26	24	21	18	17	15	13
35°	50	45	41	36	32	28	25	22	19	17	15



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	60	54	48	43	39	34	29	26	23	20	17
32.5°	70	64	58	52	45	40	35	30	26	23	20
31.25°	85	76	68	61	54	47	42	36	30	26	23
30°	99	90	80	70	63	56	48	42	36	30	26
28.75°	117	104	94	83	73	65	57	49	42	36	30
27.5°	138	123	107	96	85	74	65	57	48	42	35
26.25°	159	143	127	110	98	86	74	65	56	47	40
25°	187	164	146	129	111	98	85	73	63	54	45
23.75°	216	192	167	147	129	110	96	83	70	61	52
22.5°	246	219	194	167	146	127	107	94	80	68	58
21.25°	279	248	219	192	164	143	123	104	90	76	64
20°	316	279	246	216	187	159	138	117	99	85	70
18.75°	355	313	275	239	209	179	152	130	109	93	78
17.5°	396	350	306	266	231	200	168	144	121	101	86
16.25°	437	386	339	294	254	219	187	156	133	110	93
15°	479	423	371	322	277	238	205	171	144	121	100
13.75°	522	461	403	351	302	258	221	187	155	131	107
12.5°	564	498	436	379	326	278	236	202	167	140	116
11.25°	604	533	467	406	350	298	253	215	180	149	124
10°	643	568	497	432	372	317	269	227	191	157	131
8.75°	679	599	525	456	393	335	284	239	202	165	138
7.5°	712	629	551	478	411	352	297	250	211	174	144
6.25°	740	654	573	498	428	366	309	260	219	181	149
5°	765	676	591	514	442	378	319	268	225	187	153
3.75°	784	693	607	527	454	388	328	275	230	192	156
2.5°	798	706	618	537	462	394	334	280	234	195	158
1.25°	807	713	625	542	467	399	338	283	236	197	159
0°	810	716	627	544	468	400	339	284	236	198	160
-1.25°	807	713	625	542	467	399	338	283	236	197	159
-2.5°	798	706	618	537	462	394	334	280	234	195	158
-3.75°	784	693	607	527	454	388	328	275	230	192	156
-5°	765	676	591	514	442	378	319	268	225	187	153
-6.25°	740	654	573	498	428	366	309	260	219	181	149
-7.5°	712	629	551	478	411	352	297	250	211	174	144
-8.75°	679	599	525	456	393	335	284	239	202	165	138
-10°	643	568	497	432	372	317	269	227	191	157	131
-11.25°	604	533	467	406	350	298	253	215	180	149	124
-12.5°	564	498	436	379	326	278	236	202	167	140	116
-13.75°	522	461	403	351	302	258	221	187	155	131	107
-15°	479	423	371	322	277	238	205	171	144	121	100
-16.25°	437	386	339	294	254	219	187	156	133	110	93
-17.5°	396	350	306	266	231	200	168	144	121	101	86
-18.75°	355	313	275	239	209	179	152	130	109	93	78
-20°	316	279	246	216	187	159	138	117	99	85	70
-21.25°	279	248	219	192	164	143	123	104	90	76	64



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	246	219	194	167	146	127	107	94	80	68	58
-23.75°	216	192	167	147	129	110	96	83	70	61	52
-25°	187	164	146	129	111	98	85	73	63	54	45
-26.25°	159	143	127	110	98	86	74	65	56	47	40
-27.5°	138	123	107	96	85	74	65	57	48	42	35
-28.75°	117	104	94	83	73	65	57	49	42	36	30
-30°	99	90	80	70	63	56	48	42	36	30	26
-31.25°	85	76	68	61	54	47	42	36	30	26	23
-32.5°	70	64	58	52	45	40	35	30	26	23	20
-33.75°	60	54	48	43	39	34	29	26	23	20	17
-35°	50	45	41	36	32	28	25	22	19	17	15
-36.25°	41	37	33	29	26	24	21	18	17	15	13
-37.5°	34	30	27	25	22	20	18	16	15	13	12
-38.75°	27	25	23	21	18	17	15	14	12	11	10
-40°	23	21	19	17	16	15	13	12	11	10	9
-41.25°	18	17	16	15	14	12	11	10	9	8	8
-42.5°	16	15	13	12	12	11	10	9	8	8	7
-43.75°	13	12	11	11	10	9	8	8	7	7	6
-45°	11	10	10	9	8	8	7	7	6	6	5
-46.25°	9	9	8	8	7	7	7	6	6	5	5
-47.5°	8	8	7	7	6	6	6	5	5	4	4
-48.75°	7	7	6	6	5	5	5	4	4	4	4
-50°	6	6	5	5	4	4	4	4	4	3	3
-51.25°	5	5	4	4	4	4	3	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	3	3
-53.75°	4	3	3	3	3	3	3	3	3	2	2
-55°	3	3	3	3	3	3	2	2	2	2	2
-56.25°	3	3	3	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	2	2
-62.5°	2	2	2	2	2	2	2	2	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	2	2	1
-67.5°	2	2	2	2	2	2	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	1	1	1	1	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	1	0	0
65°	2	2	1	1	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	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°	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	2	2
51.25°	3	3	2	2	2	2	2	2	2	2	2
50°	3	3	3	3	2	2	2	2	2	2	2
48.75°	3	3	3	3	3	2	2	2	2	2	2
47.5°	4	3	3	3	3	3	2	2	2	2	2
46.25°	4	4	4	3	3	3	3	3	2	2	2
45°	5	4	4	4	3	3	3	3	3	2	2
43.75°	6	5	4	4	4	3	3	3	3	3	2
42.5°	6	6	5	5	4	4	3	3	3	3	3
41.25°	7	7	6	5	5	4	4	3	3	3	3
40°	8	7	7	6	5	5	4	4	3	3	3
38.75°	9	8	8	7	6	5	5	4	4	3	3
37.5°	10	9	8	8	7	6	5	5	4	4	3
36.25°	12	11	9	8	8	7	6	5	4	4	4
35°	13	12	11	9	8	7	7	6	5	4	4



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	15	13	12	10	9	8	7	6	6	5	4
32.5°	17	15	13	12	10	9	8	7	6	5	5
31.25°	20	17	15	13	11	10	8	8	7	6	5
30°	23	19	17	15	12	11	9	8	7	6	6
28.75°	26	22	18	16	14	12	10	9	8	7	6
27.5°	29	25	21	18	15	13	11	10	8	7	7
26.25°	34	28	24	20	17	15	12	11	9	8	7
25°	39	32	26	22	18	16	14	12	10	8	7
23.75°	43	36	29	25	21	17	15	12	11	9	8
22.5°	48	41	33	27	23	19	16	13	11	10	8
21.25°	54	45	37	30	25	21	17	15	12	10	9
20°	60	50	41	34	27	23	18	16	13	11	9
18.75°	66	55	45	37	29	25	20	17	14	12	10
17.5°	71	60	49	40	33	26	22	18	15	12	10
16.25°	78	65	54	44	36	28	23	19	16	13	11
15°	84	69	58	47	38	30	25	20	17	14	11
13.75°	90	74	62	50	41	33	26	21	17	15	12
12.5°	96	80	66	54	43	35	27	23	18	15	12
11.25°	101	85	69	57	46	37	29	24	19	16	13
10°	106	89	72	60	48	39	31	25	20	16	13
8.75°	112	93	76	63	51	41	32	26	21	17	14
7.5°	118	97	79	65	53	42	34	26	21	17	14
6.25°	122	100	82	67	55	44	35	27	22	18	15
5°	126	102	85	68	56	45	36	28	23	18	15
3.75°	129	104	86	70	57	45	37	28	23	18	15
2.5°	132	105	88	70	58	46	37	28	23	18	15
1.25°	133	106	89	71	59	46	37	29	23	18	15
0°	133	107	89	71	59	46	38	29	24	19	15
-1.25°	133	106	89	71	59	46	37	29	23	18	15
-2.5°	132	105	88	70	58	46	37	28	23	18	15
-3.75°	129	104	86	70	57	45	37	28	23	18	15
-5°	126	102	85	68	56	45	36	28	23	18	15
-6.25°	122	100	82	67	55	44	35	27	22	18	15
-7.5°	118	97	79	65	53	42	34	26	21	17	14
-8.75°	112	93	76	63	51	41	32	26	21	17	14
-10°	106	89	72	60	48	39	31	25	20	16	13
-11.25°	101	85	69	57	46	37	29	24	19	16	13
-12.5°	96	80	66	54	43	35	27	23	18	15	12
-13.75°	90	74	62	50	41	33	26	21	17	15	12
-15°	84	69	58	47	38	30	25	20	17	14	11
-16.25°	78	65	54	44	36	28	23	19	16	13	11
-17.5°	71	60	49	40	33	26	22	18	15	12	10
-18.75°	66	55	45	37	29	25	20	17	14	12	10
-20°	60	50	41	34	27	23	18	16	13	11	9
-21.25°	54	45	37	30	25	21	17	15	12	10	9



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	48	41	33	27	23	19	16	13	11	10	8
-23.75°	43	36	29	25	21	17	15	12	11	9	8
-25°	39	32	26	22	18	16	14	12	10	8	7
-26.25°	34	28	24	20	17	15	12	11	9	8	7
-27.5°	29	25	21	18	15	13	11	10	8	7	7
-28.75°	26	22	18	16	14	12	10	9	8	7	6
-30°	23	19	17	15	12	11	9	8	7	6	6
-31.25°	20	17	15	13	11	10	8	8	7	6	5
-32.5°	17	15	13	12	10	9	8	7	6	5	5
-33.75°	15	13	12	10	9	8	7	6	6	5	4
-35°	13	12	11	9	8	7	7	6	5	4	4
-36.25°	12	11	9	8	8	7	6	5	4	4	4
-37.5°	10	9	8	8	7	6	5	5	4	4	3
-38.75°	9	8	8	7	6	5	5	4	4	3	3
-40°	8	7	7	6	5	5	4	4	3	3	3
-41.25°	7	7	6	5	5	4	4	3	3	3	3
-42.5°	6	6	5	5	4	4	3	3	3	3	3
-43.75°	6	5	4	4	4	3	3	3	3	3	2
-45°	5	4	4	4	3	3	3	3	3	2	2
-46.25°	4	4	4	3	3	3	3	3	2	2	2
-47.5°	4	3	3	3	3	3	2	2	2	2	2
-48.75°	3	3	3	3	3	2	2	2	2	2	2
-50°	3	3	3	3	2	2	2	2	2	2	2
-51.25°	3	3	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-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°	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°	2	2	2	2	2	2	2	1	1	1	1
-63.75°	2	2	2	2	2	1	1	1	1	1	1
-65°	2	2	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	0	0	0	0
-68.75°	1	1	1	1	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	1	0	0	0	0	0	0	0	0	0	0
63.75°	1	1	0	0	0	0	0	0	0	0	0
62.5°	1	1	1	1	0	0	0	0	0	0	0
61.25°	1	1	1	1	1	0	0	0	0	0	0
60°	1	1	1	1	1	1	1	0	0	0	0
58.75°	2	2	1	1	1	1	1	1	0	0	0
57.5°	2	2	2	1	1	1	1	1	1	0	0
56.25°	2	2	2	2	1	1	1	1	1	1	0
55°	2	2	2	2	2	1	1	1	1	1	1
53.75°	2	2	2	2	2	2	1	1	1	1	1
52.5°	2	2	2	2	2	2	2	1	1	1	1
51.25°	2	2	2	2	2	2	2	2	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°	2	2	2	2	2	2	2	2	2	2	1
46.25°	2	2	2	2	2	2	2	2	2	2	2
45°	2	2	2	2	2	2	2	2	2	2	2
43.75°	2	2	2	2	2	2	2	2	2	2	2
42.5°	2	2	2	2	2	2	2	2	2	2	2
41.25°	2	2	2	2	2	2	2	2	2	2	2
40°	3	2	2	2	2	2	2	2	2	2	2
38.75°	3	3	2	2	2	2	2	2	2	2	2
37.5°	3	3	3	2	2	2	2	2	2	2	2
36.25°	3	3	3	2	2	2	2	2	2	2	2
35°	3	3	3	3	2	2	2	2	2	2	2



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	4	3	3	3	2	2	2	2	2	2	2
32.5°	4	4	3	3	3	2	2	2	2	2	2
31.25°	4	4	3	3	3	2	2	2	2	2	2
30°	5	4	4	3	3	3	2	2	2	2	2
28.75°	5	4	4	3	3	3	2	2	2	2	2
27.5°	6	5	4	3	3	3	2	2	2	2	2
26.25°	6	5	4	4	3	3	3	2	2	2	2
25°	6	5	4	4	3	3	3	2	2	2	2
23.75°	7	6	5	4	4	3	3	2	2	2	2
22.5°	7	6	5	4	4	3	3	3	2	2	2
21.25°	8	7	6	5	4	3	3	3	2	2	2
20°	8	7	6	5	4	4	3	3	2	2	2
18.75°	8	7	6	5	4	4	3	3	2	2	2
17.5°	9	8	6	5	4	4	3	3	3	2	2
16.25°	9	8	7	6	5	4	3	3	3	2	2
15°	10	8	7	6	5	4	3	3	3	2	2
13.75°	10	8	7	6	5	4	4	3	3	2	2
12.5°	10	9	7	6	5	4	4	3	3	2	2
11.25°	11	9	8	7	5	4	4	3	3	2	2
10°	11	9	8	7	6	4	4	3	3	3	2
8.75°	11	10	8	7	6	5	4	3	3	3	2
7.5°	12	10	8	7	6	5	4	3	3	3	2
6.25°	12	10	8	7	6	5	4	3	3	3	2
5°	12	10	8	7	6	5	4	3	3	3	2
3.75°	12	10	8	7	6	5	4	3	3	3	2
2.5°	12	10	8	7	6	5	4	3	3	3	2
1.25°	12	10	8	7	6	5	4	3	3	3	2
0°	12	10	8	7	6	5	4	4	3	3	2
-1.25°	12	10	8	7	6	5	4	3	3	3	2
-2.5°	12	10	8	7	6	5	4	3	3	3	2
-3.75°	12	10	8	7	6	5	4	3	3	3	2
-5°	12	10	8	7	6	5	4	3	3	3	2
-6.25°	12	10	8	7	6	5	4	3	3	3	2
-7.5°	12	10	8	7	6	5	4	3	3	3	2
-8.75°	11	10	8	7	6	5	4	3	3	3	2
-10°	11	9	8	7	6	4	4	3	3	3	2
-11.25°	11	9	8	7	5	4	4	3	3	2	2
-12.5°	10	9	7	6	5	4	4	3	3	2	2
-13.75°	10	8	7	6	5	4	4	3	3	2	2
-15°	10	8	7	6	5	4	3	3	3	2	2
-16.25°	9	8	7	6	5	4	3	3	3	2	2
-17.5°	9	8	6	5	4	4	3	3	3	2	2
-18.75°	8	7	6	5	4	4	3	3	2	2	2
-20°	8	7	6	5	4	4	3	3	2	2	2
-21.25°	8	7	6	5	4	3	3	3	2	2	2



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	7	6	5	4	4	3	3	3	2	2	2
-23.75°	7	6	5	4	4	3	3	2	2	2	2
-25°	6	5	4	4	3	3	3	2	2	2	2
-26.25°	6	5	4	4	3	3	3	2	2	2	2
-27.5°	6	5	4	3	3	3	2	2	2	2	2
-28.75°	5	4	4	3	3	3	2	2	2	2	2
-30°	5	4	4	3	3	3	2	2	2	2	2
-31.25°	4	4	3	3	3	2	2	2	2	2	2
-32.5°	4	4	3	3	3	2	2	2	2	2	2
-33.75°	4	3	3	3	2	2	2	2	2	2	2
-35°	3	3	3	3	2	2	2	2	2	2	2
-36.25°	3	3	3	2	2	2	2	2	2	2	2
-37.5°	3	3	3	2	2	2	2	2	2	2	2
-38.75°	3	3	2	2	2	2	2	2	2	2	2
-40°	3	2	2	2	2	2	2	2	2	2	2
-41.25°	2	2	2	2	2	2	2	2	2	2	2
-42.5°	2	2	2	2	2	2	2	2	2	2	2
-43.75°	2	2	2	2	2	2	2	2	2	2	2
-45°	2	2	2	2	2	2	2	2	2	2	2
-46.25°	2	2	2	2	2	2	2	2	2	2	2
-47.5°	2	2	2	2	2	2	2	2	2	2	1
-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	2	1	1	1
-52.5°	2	2	2	2	2	2	2	1	1	1	1
-53.75°	2	2	2	2	2	2	1	1	1	1	1
-55°	2	2	2	2	2	1	1	1	1	1	1
-56.25°	2	2	2	2	1	1	1	1	1	1	0
-57.5°	2	2	2	1	1	1	1	1	1	0	0
-58.75°	2	2	1	1	1	1	1	1	0	0	0
-60°	1	1	1	1	1	1	1	0	0	0	0
-61.25°	1	1	1	1	1	0	0	0	0	0	0
-62.5°	1	1	1	1	0	0	0	0	0	0	0
-63.75°	1	1	0	0	0	0	0	0	0	0	0
-65°	1	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	1	0	0	0	0	0	0	0	0	0	0
51.25°	1	1	0	0	0	0	0	0	0	0	0
50°	1	1	0	0	0	0	0	0	0	0	0
48.75°	1	1	1	0	0	0	0	0	0	0	0
47.5°	1	1	1	1	0	0	0	0	0	0	0
46.25°	1	1	1	1	0	0	0	0	0	0	0
45°	1	1	1	1	0	0	0	0	0	0	0
43.75°	2	1	1	1	1	0	0	0	0	0	0
42.5°	2	1	1	1	1	0	0	0	0	0	0
41.25°	2	2	1	1	1	1	0	0	0	0	0
40°	2	2	1	1	1	1	0	0	0	0	0
38.75°	2	2	2	1	1	1	0	0	0	0	0
37.5°	2	2	2	1	1	1	1	0	0	0	0
36.25°	2	2	2	1	1	1	1	0	0	0	0
35°	2	2	2	2	1	1	1	0	0	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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°	2	2	2	2	1	1	1	0	0	0	0
32.5°	2	2	2	2	1	1	1	1	0	0	0
31.25°	2	2	2	2	2	1	1	1	0	0	0
30°	2	2	2	2	2	1	1	1	0	0	0
28.75°	2	2	2	2	2	1	1	1	0	0	0
27.5°	2	2	2	2	2	1	1	1	1	0	0
26.25°	2	2	2	2	2	2	1	1	1	0	0
25°	2	2	2	2	2	2	1	1	1	0	0
23.75°	2	2	2	2	2	2	1	1	1	0	0
22.5°	2	2	2	2	2	2	1	1	1	0	0
21.25°	2	2	2	2	2	2	1	1	1	0	0
20°	2	2	2	2	2	2	1	1	1	0	0
18.75°	2	2	2	2	2	2	2	1	1	0	0
17.5°	2	2	2	2	2	2	2	1	1	1	0
16.25°	2	2	2	2	2	2	2	1	1	1	0
15°	2	2	2	2	2	2	2	1	1	1	0
13.75°	2	2	2	2	2	2	2	1	1	1	0
12.5°	2	2	2	2	2	2	2	1	1	1	0
11.25°	2	2	2	2	2	2	2	1	1	1	0
10°	2	2	2	2	2	2	2	1	1	1	0
8.75°	2	2	2	2	2	2	2	1	1	1	0
7.5°	2	2	2	2	2	2	2	1	1	1	0
6.25°	2	2	2	2	2	2	2	1	1	1	0
5°	2	2	2	2	2	2	2	1	1	1	0
3.75°	2	2	2	2	2	2	2	1	1	1	0
2.5°	2	2	2	2	2	2	2	1	1	1	0
1.25°	2	2	2	2	2	2	2	1	1	1	0
0°	2	2	2	2	2	2	2	2	1	1	0
-1.25°	2	2	2	2	2	2	2	1	1	1	0
-2.5°	2	2	2	2	2	2	2	1	1	1	0
-3.75°	2	2	2	2	2	2	2	1	1	1	0
-5°	2	2	2	2	2	2	2	1	1	1	0
-6.25°	2	2	2	2	2	2	2	1	1	1	0
-7.5°	2	2	2	2	2	2	2	1	1	1	0
-8.75°	2	2	2	2	2	2	2	1	1	1	0
-10°	2	2	2	2	2	2	2	1	1	1	0
-11.25°	2	2	2	2	2	2	2	1	1	1	0
-12.5°	2	2	2	2	2	2	2	1	1	1	0
-13.75°	2	2	2	2	2	2	2	1	1	1	0
-15°	2	2	2	2	2	2	2	1	1	1	0
-16.25°	2	2	2	2	2	2	2	1	1	1	0
-17.5°	2	2	2	2	2	2	2	1	1	1	0
-18.75°	2	2	2	2	2	2	2	1	1	0	0
-20°	2	2	2	2	2	2	1	1	1	0	0
-21.25°	2	2	2	2	2	2	1	1	1	0	0



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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: P220422 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-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)