

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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED4097-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220424 (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-LED4097-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	845 lumens	Max Intensity:	1724.5 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	84.5 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:	508.7 lumens	Field Lumens:	773.3 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-LED4097-F-BK-L1-UNV

Iso-Candela Plot





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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-F-BK-L1-UNV

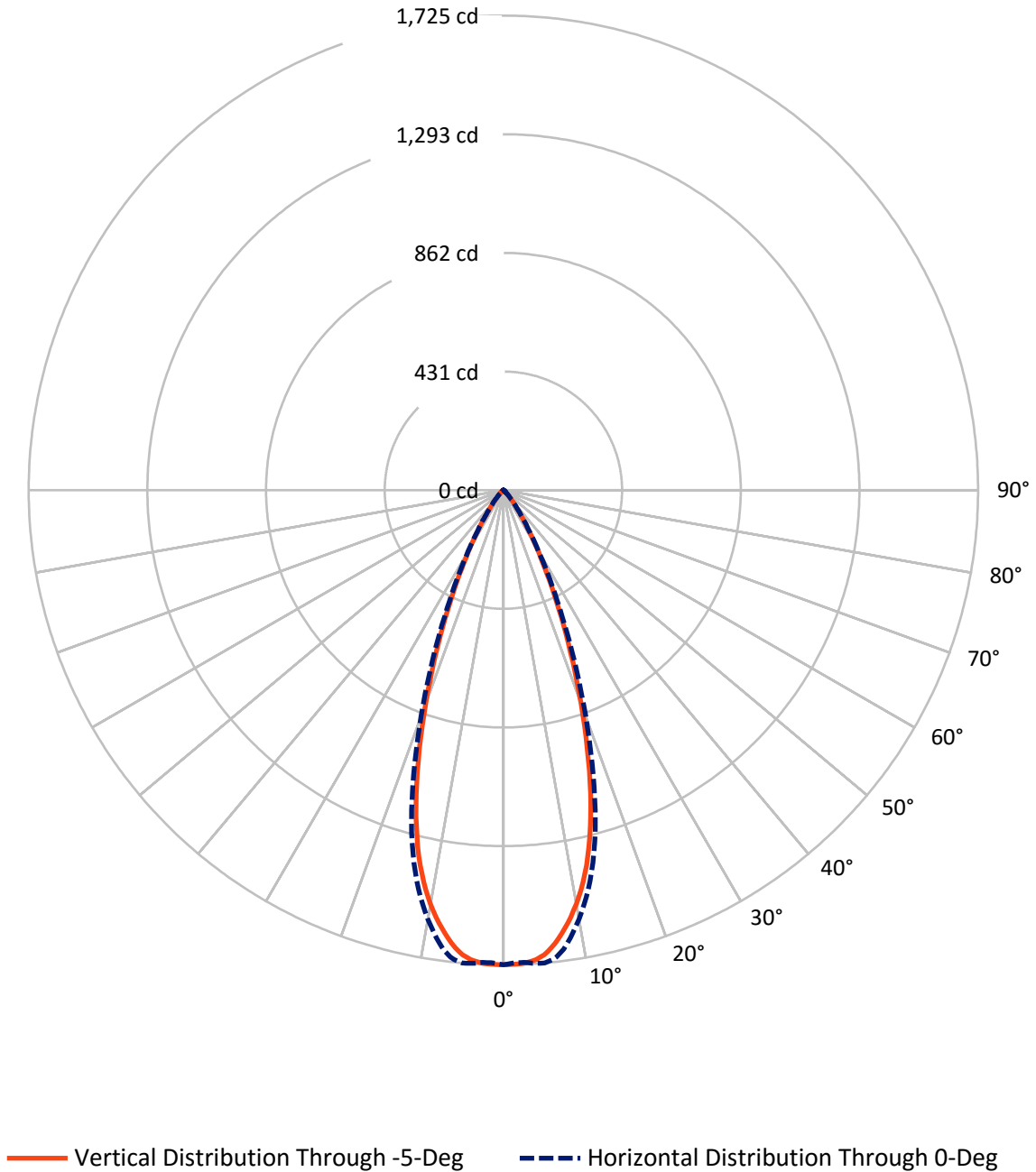
Lumen Table

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	0.7	0.7	0.5	0.3	0.1	0.1	0.0	0.0	0.0
40		0.0	0.0	0.1	0.4	1.1	2.4	3.7	3.7	2.4	1.1	0.4	0.1	0.0	0.0	
30	0.0	0.0	0.1	0.2	1.0	3.6	9.2	14.8	14.8	9.2	3.6	1.0	0.2	0.1	0.0	0.0
20		0.0	0.1	0.4	2.1	8.7	23.0	36.0	36.0	23.0	8.7	2.1	0.4	0.1	0.0	
10	0.0	0.0	0.1	0.5	3.1	13.6	35.0	49.8	49.8	35.0	13.6	3.1	0.5	0.1	0.0	0.0
0		0.0	0.1	0.5	3.1	13.6	35.0	49.8	49.8	35.0	13.6	3.1	0.5	0.1	0.0	
-10	0.0	0.0	0.1	0.5	3.1	13.6	35.0	49.8	49.8	35.0	13.6	3.1	0.5	0.1	0.0	0.0
-20		0.0	0.1	0.4	2.1	8.7	23.0	36.0	36.0	23.0	8.7	2.1	0.4	0.1	0.0	
-30	0.0	0.0	0.1	0.2	1.0	3.6	9.2	14.8	14.8	9.2	3.6	1.0	0.2	0.1	0.0	0.0
-40		0.0	0.0	0.1	0.4	1.1	2.4	3.7	3.7	2.4	1.1	0.4	0.1	0.0	0.0	
-50	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.7	0.7	0.5	0.3	0.1	0.1	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	
-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
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-90	0.0															

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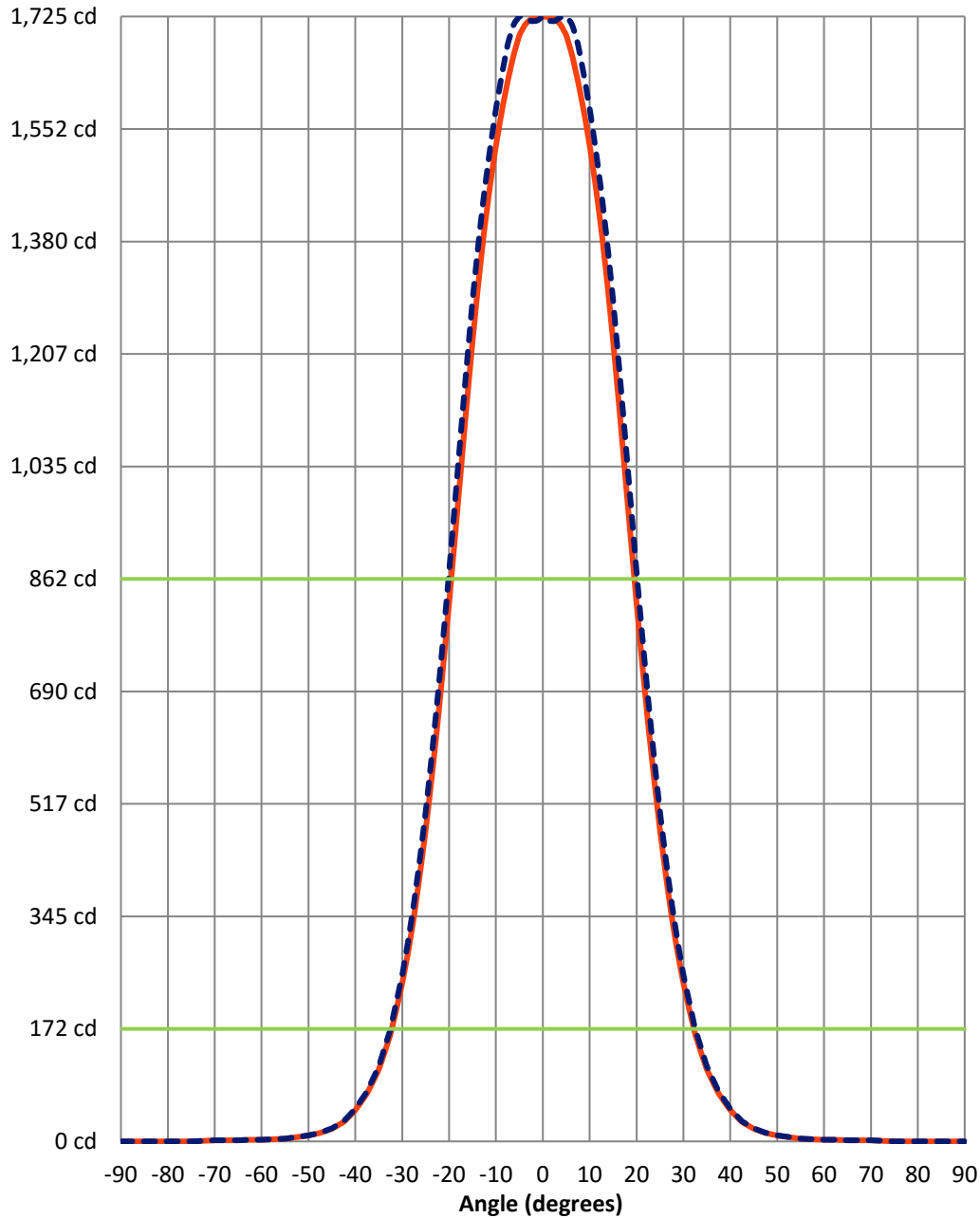
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-F-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-F-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 40.3°
 V Angle: 39.1°
 Lumens: 508.7
 Efficiency: 60.2%

Field:
 H Angle: 65°
 V Angle: 64.5°
 Lumens: 773.3
 Efficiency: 91.5%

Spill:
 Lumens: 71.6
 Efficiency: 8.5%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-F-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2
38.75°	0	0	0	0	0	0	0	1	1	1	2
37.5°	0	0	0	0	0	0	1	1	1	2	2
36.25°	0	0	0	0	0	0	1	1	1	2	2
35°	0	0	0	0	0	0	1	1	1	2	2



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2	2	2
32.5°	0	0	0	0	0	1	1	1	2	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	2	2	2	2
27.5°	0	0	0	0	1	1	1	2	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	2	2	2	2	2
21.25°	0	0	0	0	1	1	2	2	2	2	2
20°	0	0	0	0	1	1	2	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	2	2	2	2	2	2
11.25°	0	0	0	1	1	2	2	2	2	2	2
10°	0	0	0	1	1	2	2	2	2	2	2
8.75°	0	0	0	1	1	2	2	2	2	2	2
7.5°	0	0	0	1	1	2	2	2	2	2	2
6.25°	0	0	0	1	1	2	2	2	2	2	2
5°	0	0	0	1	1	2	2	2	2	2	2
3.75°	0	0	0	1	1	2	2	2	2	2	2
2.5°	0	0	0	1	1	2	2	2	2	2	2
1.25°	0	0	0	1	1	2	2	2	2	2	2
0°	0	0	0	1	1	2	2	2	2	2	2
-1.25°	0	0	0	1	1	2	2	2	2	2	2
-2.5°	0	0	0	1	1	2	2	2	2	2	2
-3.75°	0	0	0	1	1	2	2	2	2	2	2
-5°	0	0	0	1	1	2	2	2	2	2	2
-6.25°	0	0	0	1	1	2	2	2	2	2	2
-7.5°	0	0	0	1	1	2	2	2	2	2	2
-8.75°	0	0	0	1	1	2	2	2	2	2	2
-10°	0	0	0	1	1	2	2	2	2	2	2
-11.25°	0	0	0	1	1	2	2	2	2	2	2
-12.5°	0	0	0	1	1	2	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	2	2	2	2	2
-21.25°	0	0	0	0	1	1	2	2	2	2	2



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2	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	2	2	2	2
-28.75°	0	0	0	0	0	1	1	2	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	2	2	2
-33.75°	0	0	0	0	0	0	1	1	2	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	2	2
-37.5°	0	0	0	0	0	0	1	1	1	2	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	2
-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2
57.5°	0	0	0	0	1	1	1	1	1	2	2
56.25°	0	0	0	1	1	1	1	1	2	2	2
55°	0	0	1	1	1	1	1	2	2	2	2
53.75°	0	0	1	1	1	1	2	2	2	2	2
52.5°	0	1	1	1	1	2	2	2	2	2	2
51.25°	1	1	1	1	2	2	2	2	2	2	2
50°	1	1	1	2	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	1	2	2	2	2	2	2	2	2	2
45°	1	2	2	2	2	2	2	2	2	2	2
43.75°	2	2	2	2	2	2	2	2	2	2	3
42.5°	2	2	2	2	2	2	2	2	2	2	3
41.25°	2	2	2	2	2	2	2	2	2	3	3
40°	2	2	2	2	2	2	2	2	3	3	3
38.75°	2	2	2	2	2	2	2	2	3	3	3
37.5°	2	2	2	2	2	2	2	3	3	3	3
36.25°	2	2	2	2	2	2	3	3	3	3	3
35°	2	2	2	2	2	2	3	3	3	3	3



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	3	3	3	3	3	3
32.5°	2	2	2	2	2	3	3	3	3	3	3
31.25°	2	2	2	2	2	3	3	3	3	3	4
30°	2	2	2	2	3	3	3	3	3	3	4
28.75°	2	2	2	2	3	3	3	3	3	4	4
27.5°	2	2	2	2	3	3	3	3	3	4	4
26.25°	2	2	2	3	3	3	3	3	4	4	4
25°	2	2	2	3	3	3	3	3	4	4	5
23.75°	2	2	2	3	3	3	3	3	4	4	5
22.5°	2	2	3	3	3	3	3	4	4	5	6
21.25°	2	2	3	3	3	3	3	4	4	5	6
20°	2	2	3	3	3	3	3	4	4	5	6
18.75°	2	2	3	3	3	3	3	4	4	6	7
17.5°	2	2	3	3	3	3	4	4	5	6	7
16.25°	2	3	3	3	3	3	4	4	5	6	7
15°	2	3	3	3	3	3	4	4	5	6	8
13.75°	2	3	3	3	3	3	4	4	5	7	8
12.5°	2	3	3	3	3	3	4	4	6	7	8
11.25°	2	3	3	3	3	3	4	5	6	7	8
10°	2	3	3	3	3	4	4	5	6	7	8
8.75°	2	3	3	3	3	4	4	5	6	7	9
7.5°	2	3	3	3	3	4	4	5	6	8	9
6.25°	2	3	3	3	3	4	4	5	6	8	9
5°	2	3	3	3	3	4	4	5	7	8	9
3.75°	2	3	3	3	3	4	4	5	7	8	9
2.5°	2	3	3	3	3	4	4	5	7	8	9
1.25°	2	3	3	3	3	4	4	5	7	8	9
0°	3	3	3	3	3	4	4	5	7	8	9
-1.25°	2	3	3	3	3	4	4	5	7	8	9
-2.5°	2	3	3	3	3	4	4	5	7	8	9
-3.75°	2	3	3	3	3	4	4	5	7	8	9
-5°	2	3	3	3	3	4	4	5	7	8	9
-6.25°	2	3	3	3	3	4	4	5	6	8	9
-7.5°	2	3	3	3	3	4	4	5	6	8	9
-8.75°	2	3	3	3	3	4	4	5	6	7	9
-10°	2	3	3	3	3	4	4	5	6	7	8
-11.25°	2	3	3	3	3	3	4	5	6	7	8
-12.5°	2	3	3	3	3	3	4	4	6	7	8
-13.75°	2	3	3	3	3	3	4	4	5	7	8
-15°	2	3	3	3	3	3	4	4	5	6	8
-16.25°	2	3	3	3	3	3	4	4	5	6	7
-17.5°	2	2	3	3	3	3	4	4	5	6	7
-18.75°	2	2	3	3	3	3	3	4	4	6	7
-20°	2	2	3	3	3	3	3	4	4	5	6
-21.25°	2	2	3	3	3	3	3	4	4	5	6



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	3	3	3	3	3	4	4	5	6
-23.75°	2	2	2	3	3	3	3	3	4	4	5
-25°	2	2	2	3	3	3	3	3	4	4	5
-26.25°	2	2	2	3	3	3	3	3	4	4	4
-27.5°	2	2	2	2	3	3	3	3	3	4	4
-28.75°	2	2	2	2	3	3	3	3	3	4	4
-30°	2	2	2	2	3	3	3	3	3	3	4
-31.25°	2	2	2	2	2	3	3	3	3	3	4
-32.5°	2	2	2	2	2	3	3	3	3	3	3
-33.75°	2	2	2	2	2	3	3	3	3	3	3
-35°	2	2	2	2	2	2	3	3	3	3	3
-36.25°	2	2	2	2	2	2	3	3	3	3	3
-37.5°	2	2	2	2	2	2	2	3	3	3	3
-38.75°	2	2	2	2	2	2	2	2	3	3	3
-40°	2	2	2	2	2	2	2	2	3	3	3
-41.25°	2	2	2	2	2	2	2	2	2	3	3
-42.5°	2	2	2	2	2	2	2	2	2	2	3
-43.75°	2	2	2	2	2	2	2	2	2	2	3
-45°	1	2	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	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	2	2	2	2	2	2	2	2
-51.25°	1	1	1	1	2	2	2	2	2	2	2
-52.5°	0	1	1	1	1	2	2	2	2	2	2
-53.75°	0	0	1	1	1	1	2	2	2	2	2
-55°	0	0	1	1	1	1	1	2	2	2	2
-56.25°	0	0	0	1	1	1	1	1	2	2	2
-57.5°	0	0	0	0	1	1	1	1	1	2	2
-58.75°	0	0	0	0	0	1	1	1	1	1	2
-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2	2
63.75°	1	1	1	1	1	1	1	2	2	2	2
62.5°	1	1	1	1	2	2	2	2	2	2	2
61.25°	1	1	1	2	2	2	2	2	2	2	2
60°	1	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	3
53.75°	2	2	2	2	2	2	2	2	2	3	3
52.5°	2	2	2	2	2	2	2	3	3	3	3
51.25°	2	2	2	2	2	2	3	3	3	3	3
50°	2	2	2	2	3	3	3	3	3	3	3
48.75°	2	2	2	3	3	3	3	3	3	3	3
47.5°	2	2	3	3	3	3	3	3	3	3	3
46.25°	2	3	3	3	3	3	3	3	3	4	4
45°	3	3	3	3	3	3	3	3	4	4	4
43.75°	3	3	3	3	3	3	3	4	4	4	5
42.5°	3	3	3	3	3	3	4	4	4	5	6
41.25°	3	3	3	3	3	4	4	4	5	6	7
40°	3	3	3	3	4	4	4	5	6	7	7
38.75°	3	3	3	4	4	4	5	6	7	7	8
37.5°	3	3	4	4	4	5	6	7	7	8	9
36.25°	3	3	4	4	5	6	7	7	8	9	10
35°	3	4	4	5	5	6	7	8	9	10	11



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	4	4	4	5	6	7	8	9	10	11	13
32.5°	4	4	5	6	7	8	9	10	11	12	14
31.25°	4	4	5	6	7	8	9	11	12	14	16
30°	4	5	6	7	8	9	10	12	13	16	18
28.75°	5	6	7	8	8	10	11	13	15	18	20
27.5°	5	6	7	8	9	11	12	14	17	19	23
26.25°	5	6	8	9	10	11	13	16	18	22	26
25°	6	7	8	9	11	12	15	17	20	24	28
23.75°	6	7	8	10	11	13	16	19	22	27	31
22.5°	7	8	9	10	12	14	17	20	25	29	36
21.25°	7	8	9	11	13	16	19	22	27	32	40
20°	7	9	10	12	14	17	20	25	29	36	44
18.75°	8	9	11	13	15	18	22	26	32	40	48
17.5°	8	9	11	13	16	19	24	28	35	44	53
16.25°	8	10	12	14	17	20	25	30	38	47	58
15°	9	10	12	15	18	22	27	33	41	50	62
13.75°	9	11	13	16	19	23	28	35	44	54	67
12.5°	9	11	13	16	20	24	30	38	47	58	71
11.25°	10	12	14	17	20	26	31	40	49	62	74
10°	10	12	14	18	22	27	33	42	52	65	78
8.75°	10	12	15	18	22	28	35	44	55	67	82
7.5°	11	13	15	19	23	29	36	46	57	70	86
6.25°	11	13	16	19	24	29	37	47	59	72	89
5°	11	13	16	19	24	30	38	48	60	74	91
3.75°	11	13	16	20	25	30	39	49	62	75	93
2.5°	11	13	17	20	25	31	40	50	63	76	95
1.25°	11	13	17	20	25	31	40	50	63	76	96
0°	11	13	17	20	25	31	40	50	63	77	96
-1.25°	11	13	17	20	25	31	40	50	63	76	96
-2.5°	11	13	17	20	25	31	40	50	63	76	95
-3.75°	11	13	16	20	25	30	39	49	62	75	93
-5°	11	13	16	19	24	30	38	48	60	74	91
-6.25°	11	13	16	19	24	29	37	47	59	72	89
-7.5°	11	13	15	19	23	29	36	46	57	70	86
-8.75°	10	12	15	18	22	28	35	44	55	67	82
-10°	10	12	14	18	22	27	33	42	52	65	78
-11.25°	10	12	14	17	20	26	31	40	49	62	74
-12.5°	9	11	13	16	20	24	30	38	47	58	71
-13.75°	9	11	13	16	19	23	28	35	44	54	67
-15°	9	10	12	15	18	22	27	33	41	50	62
-16.25°	8	10	12	14	17	20	25	30	38	47	58
-17.5°	8	9	11	13	16	19	24	28	35	44	53
-18.75°	8	9	11	13	15	18	22	26	32	40	48
-20°	7	9	10	12	14	17	20	25	29	36	44
-21.25°	7	8	9	11	13	16	19	22	27	32	40



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	7	8	9	10	12	14	17	20	25	29	36
-23.75°	6	7	8	10	11	13	16	19	22	27	31
-25°	6	7	8	9	11	12	15	17	20	24	28
-26.25°	5	6	8	9	10	11	13	16	18	22	26
-27.5°	5	6	7	8	9	11	12	14	17	19	23
-28.75°	5	6	7	8	8	10	11	13	15	18	20
-30°	4	5	6	7	8	9	10	12	13	16	18
-31.25°	4	4	5	6	7	8	9	11	12	14	16
-32.5°	4	4	5	6	7	8	9	10	11	12	14
-33.75°	4	4	4	5	6	7	8	9	10	11	13
-35°	3	4	4	5	5	6	7	8	9	10	11
-36.25°	3	3	4	4	5	6	7	7	8	9	10
-37.5°	3	3	4	4	4	5	6	7	7	8	9
-38.75°	3	3	3	4	4	4	5	6	7	7	8
-40°	3	3	3	3	4	4	4	5	6	7	7
-41.25°	3	3	3	3	3	4	4	4	5	6	7
-42.5°	3	3	3	3	3	3	4	4	4	5	6
-43.75°	3	3	3	3	3	3	3	4	4	4	5
-45°	3	3	3	3	3	3	3	3	4	4	4
-46.25°	2	3	3	3	3	3	3	3	3	4	4
-47.5°	2	2	3	3	3	3	3	3	3	3	3
-48.75°	2	2	2	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	3	3	3	3	3
-52.5°	2	2	2	2	2	2	2	3	3	3	3
-53.75°	2	2	2	2	2	2	2	2	2	3	3
-55°	2	2	2	2	2	2	2	2	2	2	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°	1	2	2	2	2	2	2	2	2	2	2
-61.25°	1	1	1	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	1	2	2	2	2
-65°	0	1	1	1	1	1	1	1	1	2	2
-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2
67.5°	1	1	1	1	1	2	2	2	2	2	2
66.25°	1	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	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	3
58.75°	2	2	2	2	2	2	2	3	3	3	3
57.5°	2	2	2	2	3	3	3	3	3	3	3
56.25°	2	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	4
52.5°	3	3	3	3	3	3	3	4	4	4	4
51.25°	3	3	3	3	3	4	4	4	4	4	5
50°	3	3	3	4	4	4	4	4	5	5	6
48.75°	3	4	4	4	4	5	5	5	6	6	7
47.5°	4	4	4	4	5	6	6	6	7	7	8
46.25°	4	4	5	5	6	7	7	8	8	8	9
45°	5	5	6	6	7	8	8	9	9	10	10
43.75°	5	6	7	7	8	8	9	10	11	11	12
42.5°	6	7	8	8	9	10	11	11	12	13	14
41.25°	7	8	9	9	10	11	12	13	15	16	17
40°	8	9	10	11	12	13	14	16	17	19	20
38.75°	9	10	11	12	13	15	17	18	20	22	25
37.5°	10	11	12	14	16	18	19	22	24	27	29
36.25°	11	13	14	16	18	20	23	26	28	31	36
35°	13	14	17	19	21	24	27	30	34	39	44



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	14	17	19	21	25	28	31	36	42	47	52
32.5°	17	19	21	25	28	32	38	43	49	56	63
31.25°	19	21	25	28	33	39	45	51	58	66	73
30°	21	25	28	33	39	45	52	60	68	76	86
28.75°	24	28	32	39	45	52	61	70	78	90	101
27.5°	27	31	38	45	52	61	70	80	92	104	116
26.25°	30	36	43	51	60	70	80	93	105	119	137
25°	34	42	49	58	68	78	92	105	120	139	158
23.75°	39	47	56	66	76	90	104	119	139	159	180
22.5°	44	52	63	73	86	101	116	137	158	180	209
21.25°	48	59	69	82	97	112	132	154	177	207	236
20°	54	65	76	91	107	126	149	171	202	233	265
18.75°	59	71	84	100	117	141	164	193	226	258	296
17.5°	65	76	93	109	131	155	181	215	249	287	330
16.25°	70	84	101	119	144	168	202	236	274	317	365
15°	74	91	108	130	156	185	221	256	299	347	400
13.75°	80	98	115	141	167	202	238	279	326	378	435
12.5°	86	104	125	151	180	217	255	300	352	409	470
11.25°	91	109	134	160	194	232	273	322	377	437	503
10°	96	115	142	169	206	245	290	342	401	465	536
8.75°	101	121	149	178	217	257	306	362	424	491	566
7.5°	104	127	155	187	227	270	321	379	443	515	594
6.25°	108	132	160	195	236	280	333	394	462	536	618
5°	110	136	165	202	243	289	344	408	477	554	638
3.75°	112	139	168	207	248	296	353	418	489	568	654
2.5°	114	142	170	211	252	302	360	425	498	579	666
1.25°	115	143	172	213	254	305	364	430	503	585	674
0°	115	144	172	214	255	306	365	431	505	587	676
-1.25°	115	143	172	213	254	305	364	430	503	585	674
-2.5°	114	142	170	211	252	302	360	425	498	579	666
-3.75°	112	139	168	207	248	296	353	418	489	568	654
-5°	110	136	165	202	243	289	344	408	477	554	638
-6.25°	108	132	160	195	236	280	333	394	462	536	618
-7.5°	104	127	155	187	227	270	321	379	443	515	594
-8.75°	101	121	149	178	217	257	306	362	424	491	566
-10°	96	115	142	169	206	245	290	342	401	465	536
-11.25°	91	109	134	160	194	232	273	322	377	437	503
-12.5°	86	104	125	151	180	217	255	300	352	409	470
-13.75°	80	98	115	141	167	202	238	279	326	378	435
-15°	74	91	108	130	156	185	221	256	299	347	400
-16.25°	70	84	101	119	144	168	202	236	274	317	365
-17.5°	65	76	93	109	131	155	181	215	249	287	330
-18.75°	59	71	84	100	117	141	164	193	226	258	296
-20°	54	65	76	91	107	126	149	171	202	233	265
-21.25°	48	59	69	82	97	112	132	154	177	207	236



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	44	52	63	73	86	101	116	137	158	180	209
-23.75°	39	47	56	66	76	90	104	119	139	159	180
-25°	34	42	49	58	68	78	92	105	120	139	158
-26.25°	30	36	43	51	60	70	80	93	105	119	137
-27.5°	27	31	38	45	52	61	70	80	92	104	116
-28.75°	24	28	32	39	45	52	61	70	78	90	101
-30°	21	25	28	33	39	45	52	60	68	76	86
-31.25°	19	21	25	28	33	39	45	51	58	66	73
-32.5°	17	19	21	25	28	32	38	43	49	56	63
-33.75°	14	17	19	21	25	28	31	36	42	47	52
-35°	13	14	17	19	21	24	27	30	34	39	44
-36.25°	11	13	14	16	18	20	23	26	28	31	36
-37.5°	10	11	12	14	16	18	19	22	24	27	29
-38.75°	9	10	11	12	13	15	17	18	20	22	25
-40°	8	9	10	11	12	13	14	16	17	19	20
-41.25°	7	8	9	9	10	11	12	13	15	16	17
-42.5°	6	7	8	8	9	10	11	11	12	13	14
-43.75°	5	6	7	7	8	8	9	10	11	11	12
-45°	5	5	6	6	7	8	8	9	9	10	10
-46.25°	4	4	5	5	6	7	7	8	8	8	9
-47.5°	4	4	4	4	5	6	6	6	7	7	8
-48.75°	3	4	4	4	4	5	5	5	6	6	7
-50°	3	3	3	4	4	4	4	4	5	5	6
-51.25°	3	3	3	3	3	4	4	4	4	4	5
-52.5°	3	3	3	3	3	3	3	4	4	4	4
-53.75°	3	3	3	3	3	3	3	3	3	3	4
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	2	3	3	3	3	3	3	3	3	3	3
-57.5°	2	2	2	2	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	3
-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	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	2
-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2	2	2	2
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	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	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	3	3	3	4	4
55°	3	3	3	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	5	5	5
52.5°	4	4	4	5	5	5	5	6	6	6	6
51.25°	5	5	6	6	6	6	7	7	7	7	7
50°	6	6	7	7	7	8	8	8	8	8	9
48.75°	7	7	8	8	8	9	9	9	10	10	10
47.5°	8	9	9	9	10	10	11	11	12	12	12
46.25°	9	10	11	11	12	12	13	13	14	14	15
45°	11	12	13	13	14	15	16	16	17	18	18
43.75°	13	14	15	16	17	18	19	20	20	22	22
42.5°	16	17	18	19	20	22	23	24	26	27	28
41.25°	19	20	22	24	25	27	28	30	31	33	35
40°	22	25	26	28	30	33	35	38	40	42	44
38.75°	27	29	32	35	38	41	44	47	49	52	55
37.5°	32	36	40	44	47	50	54	58	62	65	67
36.25°	40	44	48	53	58	62	67	71	74	78	82
35°	48	54	59	65	70	74	80	86	91	96	101



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	59	65	71	76	84	91	98	104	109	115	121
32.5°	69	76	84	93	101	108	115	125	134	142	149
31.25°	82	91	100	109	119	130	141	151	160	169	178
30°	97	107	117	131	144	156	167	180	194	206	217
28.75°	112	126	141	155	168	185	202	217	232	245	257
27.5°	132	149	164	181	202	221	238	255	273	290	306
26.25°	154	171	193	215	236	256	279	300	322	342	362
25°	177	202	226	249	274	299	326	352	377	401	424
23.75°	207	233	258	287	317	347	378	409	437	465	491
22.5°	236	265	296	330	365	400	435	470	503	536	566
21.25°	267	301	338	377	417	456	497	537	575	612	646
20°	301	340	383	427	471	517	563	608	651	693	732
18.75°	338	383	430	479	530	581	632	683	732	778	822
17.5°	377	427	479	534	590	647	704	761	815	867	915
16.25°	417	471	530	590	652	715	778	841	900	956	1008
15°	456	517	581	647	715	784	853	921	985	1045	1101
13.75°	497	563	632	704	778	853	928	1000	1068	1132	1189
12.5°	537	608	683	761	841	921	1000	1076	1148	1213	1272
11.25°	575	651	732	815	900	985	1068	1148	1221	1288	1345
10°	612	693	778	867	956	1045	1132	1213	1288	1353	1409
8.75°	646	732	822	915	1008	1101	1189	1272	1345	1409	1463
7.5°	678	767	861	958	1055	1150	1239	1321	1393	1456	1509
6.25°	705	798	896	995	1095	1191	1283	1363	1434	1495	1548
5°	728	825	925	1027	1129	1226	1316	1396	1466	1527	1580
3.75°	747	846	948	1052	1155	1253	1343	1423	1491	1551	1603
2.5°	761	861	965	1070	1174	1273	1362	1440	1508	1568	1621
1.25°	769	870	975	1081	1185	1285	1373	1451	1519	1579	1632
0°	772	873	978	1085	1189	1289	1377	1455	1522	1583	1635
-1.25°	769	870	975	1081	1185	1285	1373	1451	1519	1579	1632
-2.5°	761	861	965	1070	1174	1273	1362	1440	1508	1568	1621
-3.75°	747	846	948	1052	1155	1253	1343	1423	1491	1551	1603
-5°	728	825	925	1027	1129	1226	1316	1396	1466	1527	1580
-6.25°	705	798	896	995	1095	1191	1283	1363	1434	1495	1548
-7.5°	678	767	861	958	1055	1150	1239	1321	1393	1456	1509
-8.75°	646	732	822	915	1008	1101	1189	1272	1345	1409	1463
-10°	612	693	778	867	956	1045	1132	1213	1288	1353	1409
-11.25°	575	651	732	815	900	985	1068	1148	1221	1288	1345
-12.5°	537	608	683	761	841	921	1000	1076	1148	1213	1272
-13.75°	497	563	632	704	778	853	928	1000	1068	1132	1189
-15°	456	517	581	647	715	784	853	921	985	1045	1101
-16.25°	417	471	530	590	652	715	778	841	900	956	1008
-17.5°	377	427	479	534	590	647	704	761	815	867	915
-18.75°	338	383	430	479	530	581	632	683	732	778	822
-20°	301	340	383	427	471	517	563	608	651	693	732
-21.25°	267	301	338	377	417	456	497	537	575	612	646



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	236	265	296	330	365	400	435	470	503	536	566
-23.75°	207	233	258	287	317	347	378	409	437	465	491
-25°	177	202	226	249	274	299	326	352	377	401	424
-26.25°	154	171	193	215	236	256	279	300	322	342	362
-27.5°	132	149	164	181	202	221	238	255	273	290	306
-28.75°	112	126	141	155	168	185	202	217	232	245	257
-30°	97	107	117	131	144	156	167	180	194	206	217
-31.25°	82	91	100	109	119	130	141	151	160	169	178
-32.5°	69	76	84	93	101	108	115	125	134	142	149
-33.75°	59	65	71	76	84	91	98	104	109	115	121
-35°	48	54	59	65	70	74	80	86	91	96	101
-36.25°	40	44	48	53	58	62	67	71	74	78	82
-37.5°	32	36	40	44	47	50	54	58	62	65	67
-38.75°	27	29	32	35	38	41	44	47	49	52	55
-40°	22	25	26	28	30	33	35	38	40	42	44
-41.25°	19	20	22	24	25	27	28	30	31	33	35
-42.5°	16	17	18	19	20	22	23	24	26	27	28
-43.75°	13	14	15	16	17	18	19	20	20	22	22
-45°	11	12	13	13	14	15	16	16	17	18	18
-46.25°	9	10	11	11	12	12	13	13	14	14	15
-47.5°	8	9	9	9	10	10	11	11	12	12	12
-48.75°	7	7	8	8	8	9	9	9	10	10	10
-50°	6	6	7	7	7	8	8	8	8	8	9
-51.25°	5	5	6	6	6	6	7	7	7	7	7
-52.5°	4	4	4	5	5	5	5	6	6	6	6
-53.75°	4	4	4	4	4	4	4	4	5	5	5
-55°	3	3	3	4	4	4	4	4	4	4	4
-56.25°	3	3	3	3	3	3	3	3	3	4	4
-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°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	2	2	3	3	3	3	3	3	3
-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	2	2	2	2
-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	2	2	2	2	2	2	2	2	2	2	2
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	3	2	2	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	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°	4	4	4	4	4	4	4	4	4	4	4
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	7	7	7	7	7	7	7	7	7
51.25°	8	8	8	8	8	8	8	8	8	8	8
50°	9	9	9	9	9	9	9	9	9	9	9
48.75°	11	11	11	11	11	11	11	11	11	11	11
47.5°	13	13	13	13	13	13	13	13	13	13	13
46.25°	15	16	16	16	17	17	17	17	17	16	16
45°	19	19	19	20	20	20	20	20	20	20	19
43.75°	23	24	24	25	25	25	25	25	25	25	24
42.5°	29	29	30	30	31	31	31	31	31	30	30
41.25°	36	37	38	39	40	40	40	40	40	39	38
40°	46	47	48	49	50	50	50	50	50	49	48
38.75°	57	59	60	62	63	63	63	63	63	62	60
37.5°	70	72	74	75	76	76	77	76	76	75	74
36.25°	86	89	91	93	95	96	96	96	95	93	91
35°	104	108	110	112	114	115	115	115	114	112	110



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	127	132	136	139	142	143	144	143	142	139	136
32.5°	155	160	165	168	170	172	172	172	170	168	165
31.25°	187	195	202	207	211	213	214	213	211	207	202
30°	227	236	243	248	252	254	255	254	252	248	243
28.75°	270	280	289	296	302	305	306	305	302	296	289
27.5°	321	333	344	353	360	364	365	364	360	353	344
26.25°	379	394	408	418	425	430	431	430	425	418	408
25°	443	462	477	489	498	503	505	503	498	489	477
23.75°	515	536	554	568	579	585	587	585	579	568	554
22.5°	594	618	638	654	666	674	676	674	666	654	638
21.25°	678	705	728	747	761	769	772	769	761	747	728
20°	767	798	825	846	861	870	873	870	861	846	825
18.75°	861	896	925	948	965	975	978	975	965	948	925
17.5°	958	995	1027	1052	1070	1081	1085	1081	1070	1052	1027
16.25°	1055	1095	1129	1155	1174	1185	1189	1185	1174	1155	1129
15°	1150	1191	1226	1253	1273	1285	1289	1285	1273	1253	1226
13.75°	1239	1283	1316	1343	1362	1373	1377	1373	1362	1343	1316
12.5°	1321	1363	1396	1423	1440	1451	1455	1451	1440	1423	1396
11.25°	1393	1434	1466	1491	1508	1519	1522	1519	1508	1491	1466
10°	1456	1495	1527	1551	1568	1579	1583	1579	1568	1551	1527
8.75°	1509	1548	1580	1603	1621	1632	1635	1632	1621	1603	1580
7.5°	1555	1593	1625	1650	1668	1678	1682	1678	1668	1650	1625
6.25°	1593	1632	1665	1689	1703	1710	1713	1710	1703	1689	1665
5°	1625	1665	1696	1713	1721	1723	1725	1723	1721	1713	1696
3.75°	1650	1689	1713	1722	1725	1724	1723	1724	1725	1722	1713
2.5°	1668	1703	1721	1725	1722	1719	1717	1719	1722	1725	1721
1.25°	1678	1710	1723	1724	1719	1716	1718	1716	1719	1724	1723
0°	1682	1713	1725	1723	1717	1718	1725	1718	1717	1723	1725
-1.25°	1678	1710	1723	1724	1719	1716	1718	1716	1719	1724	1723
-2.5°	1668	1703	1721	1725	1722	1719	1717	1719	1722	1725	1721
-3.75°	1650	1689	1713	1722	1725	1724	1723	1724	1725	1722	1713
-5°	1625	1665	1696	1713	1721	1723	1725	1723	1721	1713	1696
-6.25°	1593	1632	1665	1689	1703	1710	1713	1710	1703	1689	1665
-7.5°	1555	1593	1625	1650	1668	1678	1682	1678	1668	1650	1625
-8.75°	1509	1548	1580	1603	1621	1632	1635	1632	1621	1603	1580
-10°	1456	1495	1527	1551	1568	1579	1583	1579	1568	1551	1527
-11.25°	1393	1434	1466	1491	1508	1519	1522	1519	1508	1491	1466
-12.5°	1321	1363	1396	1423	1440	1451	1455	1451	1440	1423	1396
-13.75°	1239	1283	1316	1343	1362	1373	1377	1373	1362	1343	1316
-15°	1150	1191	1226	1253	1273	1285	1289	1285	1273	1253	1226
-16.25°	1055	1095	1129	1155	1174	1185	1189	1185	1174	1155	1129
-17.5°	958	995	1027	1052	1070	1081	1085	1081	1070	1052	1027
-18.75°	861	896	925	948	965	975	978	975	965	948	925
-20°	767	798	825	846	861	870	873	870	861	846	825
-21.25°	678	705	728	747	761	769	772	769	761	747	728



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	594	618	638	654	666	674	676	674	666	654	638
-23.75°	515	536	554	568	579	585	587	585	579	568	554
-25°	443	462	477	489	498	503	505	503	498	489	477
-26.25°	379	394	408	418	425	430	431	430	425	418	408
-27.5°	321	333	344	353	360	364	365	364	360	353	344
-28.75°	270	280	289	296	302	305	306	305	302	296	289
-30°	227	236	243	248	252	254	255	254	252	248	243
-31.25°	187	195	202	207	211	213	214	213	211	207	202
-32.5°	155	160	165	168	170	172	172	172	170	168	165
-33.75°	127	132	136	139	142	143	144	143	142	139	136
-35°	104	108	110	112	114	115	115	115	114	112	110
-36.25°	86	89	91	93	95	96	96	96	95	93	91
-37.5°	70	72	74	75	76	76	77	76	76	75	74
-38.75°	57	59	60	62	63	63	63	63	63	62	60
-40°	46	47	48	49	50	50	50	50	50	49	48
-41.25°	36	37	38	39	40	40	40	40	40	39	38
-42.5°	29	29	30	30	31	31	31	31	31	30	30
-43.75°	23	24	24	25	25	25	25	25	25	25	24
-45°	19	19	19	20	20	20	20	20	20	20	19
-46.25°	15	16	16	16	17	17	17	17	17	16	16
-47.5°	13	13	13	13	13	13	13	13	13	13	13
-48.75°	11	11	11	11	11	11	11	11	11	11	11
-50°	9	9	9	9	9	9	9	9	9	9	9
-51.25°	8	8	8	8	8	8	8	8	8	8	8
-52.5°	6	6	7	7	7	7	7	7	7	7	7
-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°	4	4	4	4	4	4	4	4	4	4	4
-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°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	3	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°	2	2	2	2	2	2	2	2	2	2	2
-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	2	2	2	2	2	2	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°	3	3	3	3	3	3	3	3	3	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
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°	4	4	4	4	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	4	4	3
53.75°	5	5	5	5	5	4	4	4	4	4	4
52.5°	6	6	6	6	6	6	5	5	5	5	4
51.25°	8	8	7	7	7	7	7	6	6	6	6
50°	9	9	9	8	8	8	8	8	7	7	7
48.75°	11	11	10	10	10	9	9	9	8	8	8
47.5°	13	13	12	12	12	11	11	10	10	9	9
46.25°	16	15	15	14	14	13	13	12	12	11	11
45°	19	19	18	18	17	16	16	15	14	13	13
43.75°	24	23	22	22	20	20	19	18	17	16	15
42.5°	29	29	28	27	26	24	23	22	20	19	18
41.25°	37	36	35	33	31	30	28	27	25	24	22
40°	47	46	44	42	40	38	35	33	30	28	26
38.75°	59	57	55	52	49	47	44	41	38	35	32
37.5°	72	70	67	65	62	58	54	50	47	44	40
36.25°	89	86	82	78	74	71	67	62	58	53	48
35°	108	104	101	96	91	86	80	74	70	65	59



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	132	127	121	115	109	104	98	91	84	76	71
32.5°	160	155	149	142	134	125	115	108	101	93	84
31.25°	195	187	178	169	160	151	141	130	119	109	100
30°	236	227	217	206	194	180	167	156	144	131	117
28.75°	280	270	257	245	232	217	202	185	168	155	141
27.5°	333	321	306	290	273	255	238	221	202	181	164
26.25°	394	379	362	342	322	300	279	256	236	215	193
25°	462	443	424	401	377	352	326	299	274	249	226
23.75°	536	515	491	465	437	409	378	347	317	287	258
22.5°	618	594	566	536	503	470	435	400	365	330	296
21.25°	705	678	646	612	575	537	497	456	417	377	338
20°	798	767	732	693	651	608	563	517	471	427	383
18.75°	896	861	822	778	732	683	632	581	530	479	430
17.5°	995	958	915	867	815	761	704	647	590	534	479
16.25°	1095	1055	1008	956	900	841	778	715	652	590	530
15°	1191	1150	1101	1045	985	921	853	784	715	647	581
13.75°	1283	1239	1189	1132	1068	1000	928	853	778	704	632
12.5°	1363	1321	1272	1213	1148	1076	1000	921	841	761	683
11.25°	1434	1393	1345	1288	1221	1148	1068	985	900	815	732
10°	1495	1456	1409	1353	1288	1213	1132	1045	956	867	778
8.75°	1548	1509	1463	1409	1345	1272	1189	1101	1008	915	822
7.5°	1593	1555	1509	1456	1393	1321	1239	1150	1055	958	861
6.25°	1632	1593	1548	1495	1434	1363	1283	1191	1095	995	896
5°	1665	1625	1580	1527	1466	1396	1316	1226	1129	1027	925
3.75°	1689	1650	1603	1551	1491	1423	1343	1253	1155	1052	948
2.5°	1703	1668	1621	1568	1508	1440	1362	1273	1174	1070	965
1.25°	1710	1678	1632	1579	1519	1451	1373	1285	1185	1081	975
0°	1713	1682	1635	1583	1522	1455	1377	1289	1189	1085	978
-1.25°	1710	1678	1632	1579	1519	1451	1373	1285	1185	1081	975
-2.5°	1703	1668	1621	1568	1508	1440	1362	1273	1174	1070	965
-3.75°	1689	1650	1603	1551	1491	1423	1343	1253	1155	1052	948
-5°	1665	1625	1580	1527	1466	1396	1316	1226	1129	1027	925
-6.25°	1632	1593	1548	1495	1434	1363	1283	1191	1095	995	896
-7.5°	1593	1555	1509	1456	1393	1321	1239	1150	1055	958	861
-8.75°	1548	1509	1463	1409	1345	1272	1189	1101	1008	915	822
-10°	1495	1456	1409	1353	1288	1213	1132	1045	956	867	778
-11.25°	1434	1393	1345	1288	1221	1148	1068	985	900	815	732
-12.5°	1363	1321	1272	1213	1148	1076	1000	921	841	761	683
-13.75°	1283	1239	1189	1132	1068	1000	928	853	778	704	632
-15°	1191	1150	1101	1045	985	921	853	784	715	647	581
-16.25°	1095	1055	1008	956	900	841	778	715	652	590	530
-17.5°	995	958	915	867	815	761	704	647	590	534	479
-18.75°	896	861	822	778	732	683	632	581	530	479	430
-20°	798	767	732	693	651	608	563	517	471	427	383
-21.25°	705	678	646	612	575	537	497	456	417	377	338



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	618	594	566	536	503	470	435	400	365	330	296
-23.75°	536	515	491	465	437	409	378	347	317	287	258
-25°	462	443	424	401	377	352	326	299	274	249	226
-26.25°	394	379	362	342	322	300	279	256	236	215	193
-27.5°	333	321	306	290	273	255	238	221	202	181	164
-28.75°	280	270	257	245	232	217	202	185	168	155	141
-30°	236	227	217	206	194	180	167	156	144	131	117
-31.25°	195	187	178	169	160	151	141	130	119	109	100
-32.5°	160	155	149	142	134	125	115	108	101	93	84
-33.75°	132	127	121	115	109	104	98	91	84	76	71
-35°	108	104	101	96	91	86	80	74	70	65	59
-36.25°	89	86	82	78	74	71	67	62	58	53	48
-37.5°	72	70	67	65	62	58	54	50	47	44	40
-38.75°	59	57	55	52	49	47	44	41	38	35	32
-40°	47	46	44	42	40	38	35	33	30	28	26
-41.25°	37	36	35	33	31	30	28	27	25	24	22
-42.5°	29	29	28	27	26	24	23	22	20	19	18
-43.75°	24	23	22	22	20	20	19	18	17	16	15
-45°	19	19	18	18	17	16	16	15	14	13	13
-46.25°	16	15	15	14	14	13	13	12	12	11	11
-47.5°	13	13	12	12	12	11	11	10	10	9	9
-48.75°	11	11	10	10	10	9	9	9	8	8	8
-50°	9	9	9	8	8	8	8	8	7	7	7
-51.25°	8	8	7	7	7	7	7	6	6	6	6
-52.5°	6	6	6	6	6	6	5	5	5	5	4
-53.75°	5	5	5	5	5	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	3
-56.25°	4	4	4	4	3	3	3	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°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	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°	2	2	2	2	2	2	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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	2	2	2	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	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°	3	3	3	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	2	2
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	4	4	4	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	3	3	3	3	3
51.25°	5	5	5	4	4	4	4	4	3	3	3
50°	6	6	6	5	5	4	4	4	4	4	3
48.75°	7	7	7	6	6	5	5	5	4	4	4
47.5°	9	8	8	7	7	6	6	6	5	4	4
46.25°	10	9	9	8	8	8	7	7	6	5	5
45°	12	11	10	10	9	9	8	8	7	6	6
43.75°	14	13	12	11	11	10	9	8	8	7	7
42.5°	17	16	14	13	12	11	11	10	9	8	8
41.25°	20	19	17	16	15	13	12	11	10	9	9
40°	25	22	20	19	17	16	14	13	12	11	10
38.75°	29	27	25	22	20	18	17	15	13	12	11
37.5°	36	32	29	27	24	22	19	18	16	14	12
36.25°	44	40	36	31	28	26	23	20	18	16	14
35°	54	48	44	39	34	30	27	24	21	19	17



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	65	59	52	47	42	36	31	28	25	21	19
32.5°	76	69	63	56	49	43	38	32	28	25	21
31.25°	91	82	73	66	58	51	45	39	33	28	25
30°	107	97	86	76	68	60	52	45	39	33	28
28.75°	126	112	101	90	78	70	61	52	45	39	32
27.5°	149	132	116	104	92	80	70	61	52	45	38
26.25°	171	154	137	119	105	93	80	70	60	51	43
25°	202	177	158	139	120	105	92	78	68	58	49
23.75°	233	207	180	159	139	119	104	90	76	66	56
22.5°	265	236	209	180	158	137	116	101	86	73	63
21.25°	301	267	236	207	177	154	132	112	97	82	69
20°	340	301	265	233	202	171	149	126	107	91	76
18.75°	383	338	296	258	226	193	164	141	117	100	84
17.5°	427	377	330	287	249	215	181	155	131	109	93
16.25°	471	417	365	317	274	236	202	168	144	119	101
15°	517	456	400	347	299	256	221	185	156	130	108
13.75°	563	497	435	378	326	279	238	202	167	141	115
12.5°	608	537	470	409	352	300	255	217	180	151	125
11.25°	651	575	503	437	377	322	273	232	194	160	134
10°	693	612	536	465	401	342	290	245	206	169	142
8.75°	732	646	566	491	424	362	306	257	217	178	149
7.5°	767	678	594	515	443	379	321	270	227	187	155
6.25°	798	705	618	536	462	394	333	280	236	195	160
5°	825	728	638	554	477	408	344	289	243	202	165
3.75°	846	747	654	568	489	418	353	296	248	207	168
2.5°	861	761	666	579	498	425	360	302	252	211	170
1.25°	870	769	674	585	503	430	364	305	254	213	172
0°	873	772	676	587	505	431	365	306	255	214	172
-1.25°	870	769	674	585	503	430	364	305	254	213	172
-2.5°	861	761	666	579	498	425	360	302	252	211	170
-3.75°	846	747	654	568	489	418	353	296	248	207	168
-5°	825	728	638	554	477	408	344	289	243	202	165
-6.25°	798	705	618	536	462	394	333	280	236	195	160
-7.5°	767	678	594	515	443	379	321	270	227	187	155
-8.75°	732	646	566	491	424	362	306	257	217	178	149
-10°	693	612	536	465	401	342	290	245	206	169	142
-11.25°	651	575	503	437	377	322	273	232	194	160	134
-12.5°	608	537	470	409	352	300	255	217	180	151	125
-13.75°	563	497	435	378	326	279	238	202	167	141	115
-15°	517	456	400	347	299	256	221	185	156	130	108
-16.25°	471	417	365	317	274	236	202	168	144	119	101
-17.5°	427	377	330	287	249	215	181	155	131	109	93
-18.75°	383	338	296	258	226	193	164	141	117	100	84
-20°	340	301	265	233	202	171	149	126	107	91	76
-21.25°	301	267	236	207	177	154	132	112	97	82	69



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	265	236	209	180	158	137	116	101	86	73	63
-23.75°	233	207	180	159	139	119	104	90	76	66	56
-25°	202	177	158	139	120	105	92	78	68	58	49
-26.25°	171	154	137	119	105	93	80	70	60	51	43
-27.5°	149	132	116	104	92	80	70	61	52	45	38
-28.75°	126	112	101	90	78	70	61	52	45	39	32
-30°	107	97	86	76	68	60	52	45	39	33	28
-31.25°	91	82	73	66	58	51	45	39	33	28	25
-32.5°	76	69	63	56	49	43	38	32	28	25	21
-33.75°	65	59	52	47	42	36	31	28	25	21	19
-35°	54	48	44	39	34	30	27	24	21	19	17
-36.25°	44	40	36	31	28	26	23	20	18	16	14
-37.5°	36	32	29	27	24	22	19	18	16	14	12
-38.75°	29	27	25	22	20	18	17	15	13	12	11
-40°	25	22	20	19	17	16	14	13	12	11	10
-41.25°	20	19	17	16	15	13	12	11	10	9	9
-42.5°	17	16	14	13	12	11	11	10	9	8	8
-43.75°	14	13	12	11	11	10	9	8	8	7	7
-45°	12	11	10	10	9	9	8	8	7	6	6
-46.25°	10	9	9	8	8	8	7	7	6	5	5
-47.5°	9	8	8	7	7	6	6	6	5	4	4
-48.75°	7	7	7	6	6	5	5	5	4	4	4
-50°	6	6	6	5	5	4	4	4	4	4	3
-51.25°	5	5	5	4	4	4	4	4	3	3	3
-52.5°	4	4	4	4	4	4	3	3	3	3	3
-53.75°	4	4	4	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	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	2	2
-58.75°	3	3	3	3	3	3	2	2	2	2	2
-60°	3	3	3	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	1	1	1
-68.75°	2	2	2	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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	2	1	1	1	1	1	1	1	1	0	0
65°	2	2	2	2	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	1	1
61.25°	2	2	2	2	2	2	2	2	2	2	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°	3	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	2	2	2	2	2	2	2	2
53.75°	3	3	3	3	2	2	2	2	2	2	2
52.5°	3	3	3	3	3	3	2	2	2	2	2
51.25°	3	3	3	3	3	3	3	2	2	2	2
50°	3	3	3	3	3	3	3	3	3	2	2
48.75°	4	3	3	3	3	3	3	3	3	3	2
47.5°	4	4	3	3	3	3	3	3	3	3	3
46.25°	4	4	4	4	3	3	3	3	3	3	3
45°	5	5	4	4	4	3	3	3	3	3	3
43.75°	6	5	5	4	4	4	3	3	3	3	3
42.5°	7	6	6	5	4	4	4	3	3	3	3
41.25°	8	7	7	6	5	4	4	4	3	3	3
40°	9	8	7	7	6	5	4	4	4	3	3
38.75°	10	9	8	7	7	6	5	4	4	4	3
37.5°	11	10	9	8	7	7	6	5	4	4	4
36.25°	13	11	10	9	8	7	7	6	5	4	4
35°	14	13	11	10	9	8	7	6	5	5	4



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	17	14	13	11	10	9	8	7	6	5	4
32.5°	19	17	14	12	11	10	9	8	7	6	5
31.25°	21	19	16	14	12	11	9	8	7	6	5
30°	25	21	18	16	13	12	10	9	8	7	6
28.75°	28	24	20	18	15	13	11	10	8	8	7
27.5°	31	27	23	19	17	14	12	11	9	8	7
26.25°	36	30	26	22	18	16	13	11	10	9	8
25°	42	34	28	24	20	17	15	12	11	9	8
23.75°	47	39	31	27	22	19	16	13	11	10	8
22.5°	52	44	36	29	25	20	17	14	12	10	9
21.25°	59	48	40	32	27	22	19	16	13	11	9
20°	65	54	44	36	29	25	20	17	14	12	10
18.75°	71	59	48	40	32	26	22	18	15	13	11
17.5°	76	65	53	44	35	28	24	19	16	13	11
16.25°	84	70	58	47	38	30	25	20	17	14	12
15°	91	74	62	50	41	33	27	22	18	15	12
13.75°	98	80	67	54	44	35	28	23	19	16	13
12.5°	104	86	71	58	47	38	30	24	20	16	13
11.25°	109	91	74	62	49	40	31	26	20	17	14
10°	115	96	78	65	52	42	33	27	22	18	14
8.75°	121	101	82	67	55	44	35	28	22	18	15
7.5°	127	104	86	70	57	46	36	29	23	19	15
6.25°	132	108	89	72	59	47	37	29	24	19	16
5°	136	110	91	74	60	48	38	30	24	19	16
3.75°	139	112	93	75	62	49	39	30	25	20	16
2.5°	142	114	95	76	63	50	40	31	25	20	17
1.25°	143	115	96	76	63	50	40	31	25	20	17
0°	144	115	96	77	63	50	40	31	25	20	17
-1.25°	143	115	96	76	63	50	40	31	25	20	17
-2.5°	142	114	95	76	63	50	40	31	25	20	17
-3.75°	139	112	93	75	62	49	39	30	25	20	16
-5°	136	110	91	74	60	48	38	30	24	19	16
-6.25°	132	108	89	72	59	47	37	29	24	19	16
-7.5°	127	104	86	70	57	46	36	29	23	19	15
-8.75°	121	101	82	67	55	44	35	28	22	18	15
-10°	115	96	78	65	52	42	33	27	22	18	14
-11.25°	109	91	74	62	49	40	31	26	20	17	14
-12.5°	104	86	71	58	47	38	30	24	20	16	13
-13.75°	98	80	67	54	44	35	28	23	19	16	13
-15°	91	74	62	50	41	33	27	22	18	15	12
-16.25°	84	70	58	47	38	30	25	20	17	14	12
-17.5°	76	65	53	44	35	28	24	19	16	13	11
-18.75°	71	59	48	40	32	26	22	18	15	13	11
-20°	65	54	44	36	29	25	20	17	14	12	10
-21.25°	59	48	40	32	27	22	19	16	13	11	9



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	52	44	36	29	25	20	17	14	12	10	9
-23.75°	47	39	31	27	22	19	16	13	11	10	8
-25°	42	34	28	24	20	17	15	12	11	9	8
-26.25°	36	30	26	22	18	16	13	11	10	9	8
-27.5°	31	27	23	19	17	14	12	11	9	8	7
-28.75°	28	24	20	18	15	13	11	10	8	8	7
-30°	25	21	18	16	13	12	10	9	8	7	6
-31.25°	21	19	16	14	12	11	9	8	7	6	5
-32.5°	19	17	14	12	11	10	9	8	7	6	5
-33.75°	17	14	13	11	10	9	8	7	6	5	4
-35°	14	13	11	10	9	8	7	6	5	5	4
-36.25°	13	11	10	9	8	7	7	6	5	4	4
-37.5°	11	10	9	8	7	7	6	5	4	4	4
-38.75°	10	9	8	7	7	6	5	4	4	4	3
-40°	9	8	7	7	6	5	4	4	4	3	3
-41.25°	8	7	7	6	5	4	4	4	3	3	3
-42.5°	7	6	6	5	4	4	4	3	3	3	3
-43.75°	6	5	5	4	4	4	3	3	3	3	3
-45°	5	5	4	4	4	3	3	3	3	3	3
-46.25°	4	4	4	4	3	3	3	3	3	3	3
-47.5°	4	4	3	3	3	3	3	3	3	3	3
-48.75°	4	3	3	3	3	3	3	3	3	3	2
-50°	3	3	3	3	3	3	3	3	3	2	2
-51.25°	3	3	3	3	3	3	3	2	2	2	2
-52.5°	3	3	3	3	3	3	2	2	2	2	2
-53.75°	3	3	3	3	2	2	2	2	2	2	2
-55°	3	3	3	2	2	2	2	2	2	2	2
-56.25°	3	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	2	1
-62.5°	2	2	2	2	2	2	2	2	2	1	1
-63.75°	2	2	2	2	2	2	1	1	1	1	1
-65°	2	2	2	2	1	1	1	1	1	1	1
-66.25°	2	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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	2	1	1	1	1	1	1	0	0	0	0
58.75°	2	2	2	1	1	1	1	1	0	0	0
57.5°	2	2	2	2	1	1	1	1	1	0	0
56.25°	2	2	2	2	2	1	1	1	1	1	0
55°	2	2	2	2	2	2	1	1	1	1	1
53.75°	2	2	2	2	2	2	2	1	1	1	1
52.5°	2	2	2	2	2	2	2	2	1	1	1
51.25°	2	2	2	2	2	2	2	2	2	1	1
50°	2	2	2	2	2	2	2	2	2	2	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	2
46.25°	3	2	2	2	2	2	2	2	2	2	2
45°	3	3	2	2	2	2	2	2	2	2	2
43.75°	3	3	3	2	2	2	2	2	2	2	2
42.5°	3	3	3	2	2	2	2	2	2	2	2
41.25°	3	3	3	3	2	2	2	2	2	2	2
40°	3	3	3	3	3	2	2	2	2	2	2
38.75°	3	3	3	3	3	2	2	2	2	2	2
37.5°	3	3	3	3	3	3	2	2	2	2	2
36.25°	3	3	3	3	3	3	3	2	2	2	2
35°	4	3	3	3	3	3	3	2	2	2	2



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	4	3	3	3	3	3	3	2	2	2
32.5°	4	4	3	3	3	3	3	3	2	2	2
31.25°	4	4	4	3	3	3	3	3	2	2	2
30°	5	4	4	3	3	3	3	3	3	2	2
28.75°	6	5	4	4	3	3	3	3	3	2	2
27.5°	6	5	4	4	3	3	3	3	3	2	2
26.25°	6	5	4	4	4	3	3	3	3	3	2
25°	7	6	5	4	4	3	3	3	3	3	2
23.75°	7	6	5	4	4	3	3	3	3	3	2
22.5°	8	7	6	5	4	4	3	3	3	3	3
21.25°	8	7	6	5	4	4	3	3	3	3	3
20°	9	7	6	5	4	4	3	3	3	3	3
18.75°	9	8	7	6	4	4	3	3	3	3	3
17.5°	9	8	7	6	5	4	4	3	3	3	3
16.25°	10	8	7	6	5	4	4	3	3	3	3
15°	10	9	8	6	5	4	4	3	3	3	3
13.75°	11	9	8	7	5	4	4	3	3	3	3
12.5°	11	9	8	7	6	4	4	3	3	3	3
11.25°	12	10	8	7	6	5	4	3	3	3	3
10°	12	10	8	7	6	5	4	4	3	3	3
8.75°	12	10	9	7	6	5	4	4	3	3	3
7.5°	13	11	9	8	6	5	4	4	3	3	3
6.25°	13	11	9	8	6	5	4	4	3	3	3
5°	13	11	9	8	7	5	4	4	3	3	3
3.75°	13	11	9	8	7	5	4	4	3	3	3
2.5°	13	11	9	8	7	5	4	4	3	3	3
1.25°	13	11	9	8	7	5	4	4	3	3	3
0°	13	11	9	8	7	5	4	4	3	3	3
-1.25°	13	11	9	8	7	5	4	4	3	3	3
-2.5°	13	11	9	8	7	5	4	4	3	3	3
-3.75°	13	11	9	8	7	5	4	4	3	3	3
-5°	13	11	9	8	7	5	4	4	3	3	3
-6.25°	13	11	9	8	6	5	4	4	3	3	3
-7.5°	13	11	9	8	6	5	4	4	3	3	3
-8.75°	12	10	9	7	6	5	4	4	3	3	3
-10°	12	10	8	7	6	5	4	4	3	3	3
-11.25°	12	10	8	7	6	5	4	3	3	3	3
-12.5°	11	9	8	7	6	4	4	3	3	3	3
-13.75°	11	9	8	7	5	4	4	3	3	3	3
-15°	10	9	8	6	5	4	4	3	3	3	3
-16.25°	10	8	7	6	5	4	4	3	3	3	3
-17.5°	9	8	7	6	5	4	4	3	3	3	3
-18.75°	9	8	7	6	4	4	3	3	3	3	3
-20°	9	7	6	5	4	4	3	3	3	3	3
-21.25°	8	7	6	5	4	4	3	3	3	3	3



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	8	7	6	5	4	4	3	3	3	3	3
-23.75°	7	6	5	4	4	3	3	3	3	3	2
-25°	7	6	5	4	4	3	3	3	3	3	2
-26.25°	6	5	4	4	4	3	3	3	3	3	2
-27.5°	6	5	4	4	3	3	3	3	3	2	2
-28.75°	6	5	4	4	3	3	3	3	3	2	2
-30°	5	4	4	3	3	3	3	3	3	2	2
-31.25°	4	4	4	3	3	3	3	3	2	2	2
-32.5°	4	4	3	3	3	3	3	3	2	2	2
-33.75°	4	4	3	3	3	3	3	3	2	2	2
-35°	4	3	3	3	3	3	3	2	2	2	2
-36.25°	3	3	3	3	3	3	3	2	2	2	2
-37.5°	3	3	3	3	3	3	2	2	2	2	2
-38.75°	3	3	3	3	3	2	2	2	2	2	2
-40°	3	3	3	3	3	2	2	2	2	2	2
-41.25°	3	3	3	3	2	2	2	2	2	2	2
-42.5°	3	3	3	2	2	2	2	2	2	2	2
-43.75°	3	3	3	2	2	2	2	2	2	2	2
-45°	3	3	2	2	2	2	2	2	2	2	2
-46.25°	3	2	2	2	2	2	2	2	2	2	2
-47.5°	2	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	2	1
-51.25°	2	2	2	2	2	2	2	2	2	1	1
-52.5°	2	2	2	2	2	2	2	2	1	1	1
-53.75°	2	2	2	2	2	2	2	1	1	1	1
-55°	2	2	2	2	2	2	1	1	1	1	1
-56.25°	2	2	2	2	2	1	1	1	1	1	0
-57.5°	2	2	2	2	1	1	1	1	1	0	0
-58.75°	2	2	2	1	1	1	1	1	0	0	0
-60°	2	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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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°	2	1	1	1	0	0	0	0	0	0	0
43.75°	2	2	1	1	1	0	0	0	0	0	0
42.5°	2	2	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	2	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	2	1	1	1	0	0	0	0
36.25°	2	2	2	2	1	1	1	0	0	0	0
35°	2	2	2	2	1	1	1	0	0	0	0



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2	1	1	0	0	0	0
32.5°	2	2	2	2	2	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	2	1	1	0	0	0
27.5°	2	2	2	2	2	2	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	2	1	1	0	0
21.25°	2	2	2	2	2	2	2	1	1	0	0
20°	2	2	2	2	2	2	2	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°	3	2	2	2	2	2	2	1	1	1	0
15°	3	2	2	2	2	2	2	1	1	1	0
13.75°	3	2	2	2	2	2	2	1	1	1	0
12.5°	3	2	2	2	2	2	2	2	1	1	0
11.25°	3	2	2	2	2	2	2	2	1	1	0
10°	3	2	2	2	2	2	2	2	1	1	0
8.75°	3	2	2	2	2	2	2	2	1	1	0
7.5°	3	2	2	2	2	2	2	2	1	1	0
6.25°	3	2	2	2	2	2	2	2	1	1	0
5°	3	2	2	2	2	2	2	2	1	1	0
3.75°	3	2	2	2	2	2	2	2	1	1	0
2.5°	3	2	2	2	2	2	2	2	1	1	0
1.25°	3	2	2	2	2	2	2	2	1	1	0
0°	3	3	2	2	2	2	2	2	1	1	0
-1.25°	3	2	2	2	2	2	2	2	1	1	0
-2.5°	3	2	2	2	2	2	2	2	1	1	0
-3.75°	3	2	2	2	2	2	2	2	1	1	0
-5°	3	2	2	2	2	2	2	2	1	1	0
-6.25°	3	2	2	2	2	2	2	2	1	1	0
-7.5°	3	2	2	2	2	2	2	2	1	1	0
-8.75°	3	2	2	2	2	2	2	2	1	1	0
-10°	3	2	2	2	2	2	2	2	1	1	0
-11.25°	3	2	2	2	2	2	2	2	1	1	0
-12.5°	3	2	2	2	2	2	2	2	1	1	0
-13.75°	3	2	2	2	2	2	2	1	1	1	0
-15°	3	2	2	2	2	2	2	1	1	1	0
-16.25°	3	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	2	1	1	0	0
-21.25°	2	2	2	2	2	2	2	1	1	0	0



REPORT NUMBER: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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	2	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	2	1	1	1	0	0
-28.75°	2	2	2	2	2	2	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	2	1	1	1	0	0	0
-33.75°	2	2	2	2	2	1	1	0	0	0	0
-35°	2	2	2	2	1	1	1	0	0	0	0
-36.25°	2	2	2	2	1	1	1	0	0	0	0
-37.5°	2	2	2	2	1	1	1	0	0	0	0
-38.75°	2	2	2	1	1	1	0	0	0	0	0
-40°	2	2	2	1	1	1	0	0	0	0	0
-41.25°	2	2	1	1	1	1	0	0	0	0	0
-42.5°	2	2	1	1	1	0	0	0	0	0	0
-43.75°	2	2	1	1	1	0	0	0	0	0	0
-45°	2	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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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: P220424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-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)