

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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

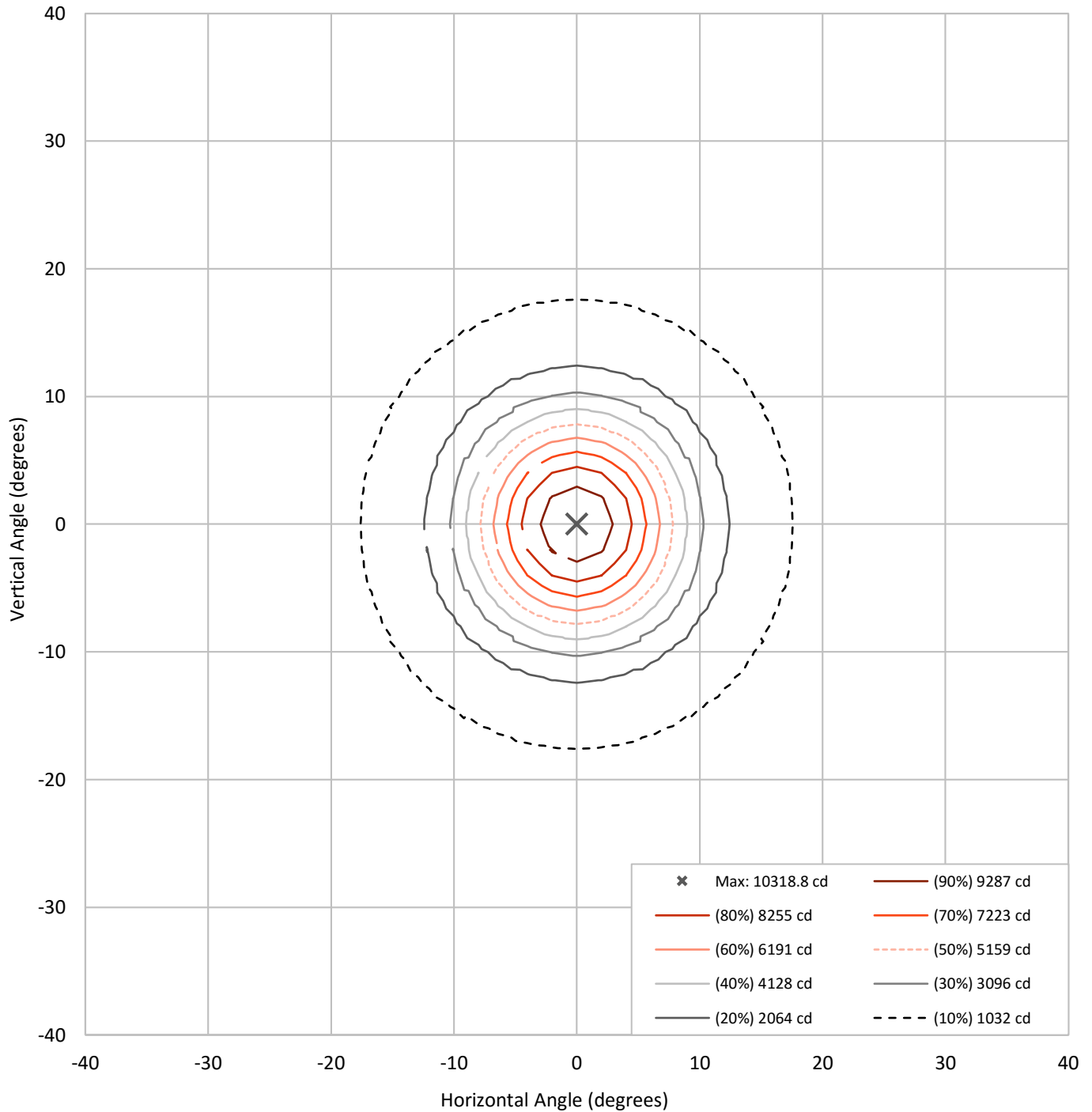
Test Method: LM-79-08  
Report Number: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT  
OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1202.1 lumens	Max Intensity:	10318.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	59.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.7°H x 15.7°V	Field Angle (10%):	35°H x 35°V
Beam Lumens:	428.5 lumens	Field Lumens:	920.8 lumens
Beam Efficiency:	35.6%	Field Efficiency:	76.6%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

### Iso-Candela Plot





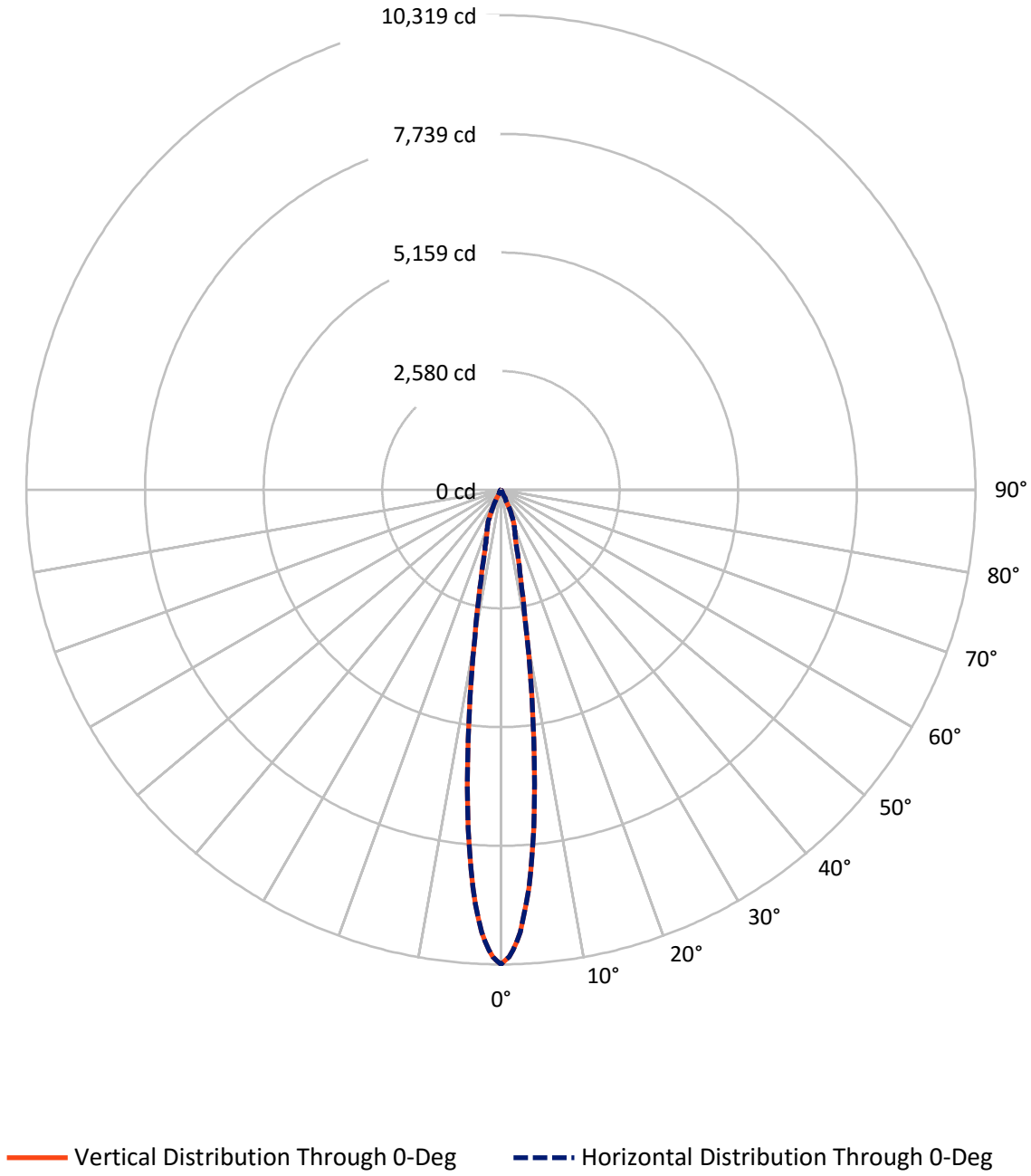
REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

### Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	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	0.2	0.2	0.1	0.1	0.1	0.0	0.0			
50	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
40		0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.6	0.4	0.3	0.2	0.1	0.1			
30	0.0	0.0	0.1	0.1	0.2	0.6	3.7	10.5	10.5	3.7	0.6	0.2	0.1	0.1	0.0	0.0	0.0
20		0.0	0.1	0.2	0.4	3.5	21.7	41.1	41.1	21.7	3.5	0.4	0.2	0.1	0.0		
10	0.0	0.0	0.1	0.2	0.5	9.7	40.0	164.2	164.2	40.0	9.7	0.5	0.2	0.1	0.0	0.0	0.0
0		0.0	0.1	0.2	0.5	9.7	40.0	164.2	164.2	40.0	9.7	0.5	0.2	0.1	0.0		
-10	0.0	0.0	0.1	0.2	0.4	3.5	21.7	41.1	41.1	21.7	3.5	0.4	0.2	0.1	0.0	0.0	0.0
-20		0.0	0.1	0.1	0.2	0.6	3.7	10.5	10.5	3.7	0.6	0.2	0.1	0.1	0.0		
-30	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0
-40		0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

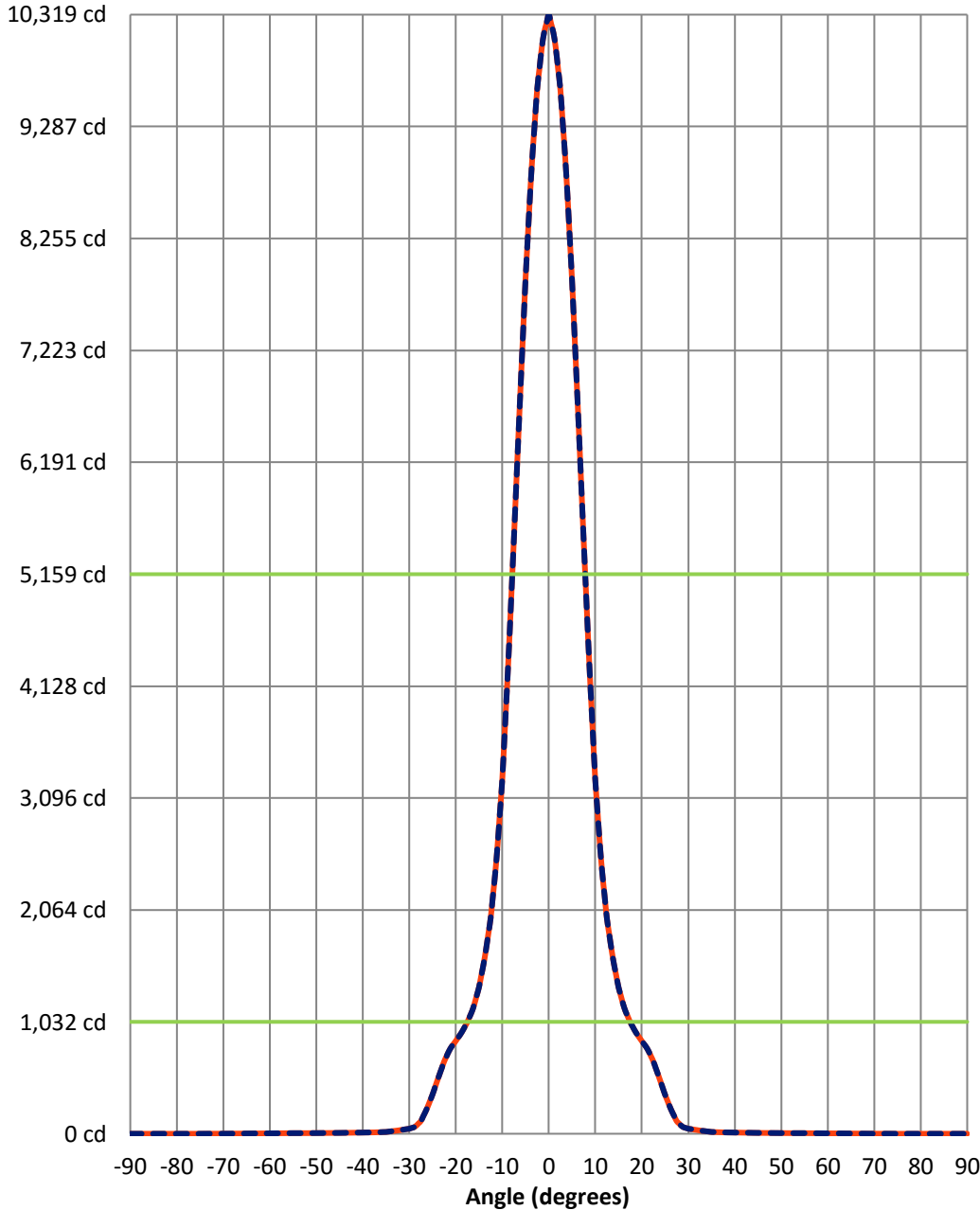
REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

### Luminous Intensity Polar Plot



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Plot



**Beam:**  
 H Angle: 15.7°  
 V Angle: 15.7°  
 Lumens: 428.5  
 Efficiency: 35.6%

**Field:**  
 H Angle: 35°  
 V Angle: 35°  
 Lumens: 920.8  
 Efficiency: 76.6%

**Spill:**  
 Lumens: 281.3  
 Efficiency: 23.4%

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



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
31.25°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
28.75°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
26.25°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
23.75°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
21.25°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
18.75°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
16.25°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
13.75°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
11.25°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
8.75°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
6.25°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
3.75°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
1.25°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-1.25°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-3.75°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-6.25°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-8.75°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-11.25°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-13.75°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-16.25°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-18.75°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0
-21.25°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	0	0	0	0	0	0	1	1	1	1	1
32.5°	0	0	0	0	0	1	1	1	1	1	1
31.25°	0	0	0	0	0	1	1	1	1	1	2
30°	0	0	0	0	0	1	1	1	1	1	2
28.75°	0	0	0	0	0	1	1	1	1	1	2
27.5°	0	0	0	0	1	1	1	1	1	1	2
26.25°	0	0	0	0	1	1	1	1	1	2	2
25°	0	0	0	0	1	1	1	1	1	2	2
23.75°	0	0	0	0	1	1	1	1	1	2	2
22.5°	0	0	0	0	1	1	1	1	1	2	2
21.25°	0	0	0	0	1	1	1	1	1	2	2
20°	0	0	0	0	1	1	1	1	2	2	2
18.75°	0	0	0	0	1	1	1	1	2	2	2
17.5°	0	0	0	1	1	1	1	1	2	2	2
16.25°	0	0	0	1	1	1	1	1	2	2	2
15°	0	0	0	1	1	1	1	1	2	2	2
13.75°	0	0	0	1	1	1	1	1	2	2	3
12.5°	0	0	0	1	1	1	1	1	2	2	3
11.25°	0	0	0	1	1	1	1	1	2	2	3
10°	0	0	0	1	1	1	1	1	2	2	3
8.75°	0	0	0	1	1	1	1	2	2	2	3
7.5°	0	0	0	1	1	1	1	2	2	2	3
6.25°	0	0	0	1	1	1	1	2	2	2	3
5°	0	0	0	1	1	1	1	2	2	2	3
3.75°	0	0	0	1	1	1	1	2	2	2	3
2.5°	0	0	0	1	1	1	1	2	2	2	3
1.25°	0	0	0	1	1	1	1	2	2	2	3
0°	0	0	0	1	1	1	1	2	2	2	3
-1.25°	0	0	0	1	1	1	1	2	2	2	3
-2.5°	0	0	0	1	1	1	1	2	2	2	3
-3.75°	0	0	0	1	1	1	1	2	2	2	3
-5°	0	0	0	1	1	1	1	2	2	2	3
-6.25°	0	0	0	1	1	1	1	2	2	2	3
-7.5°	0	0	0	1	1	1	1	2	2	2	3
-8.75°	0	0	0	1	1	1	1	2	2	2	3
-10°	0	0	0	1	1	1	1	1	2	2	3
-11.25°	0	0	0	1	1	1	1	1	2	2	3
-12.5°	0	0	0	1	1	1	1	1	2	2	3
-13.75°	0	0	0	1	1	1	1	1	2	2	3
-15°	0	0	0	1	1	1	1	1	2	2	2
-16.25°	0	0	0	1	1	1	1	1	2	2	2
-17.5°	0	0	0	1	1	1	1	1	2	2	2
-18.75°	0	0	0	0	1	1	1	1	2	2	2
-20°	0	0	0	0	1	1	1	1	2	2	2
-21.25°	0	0	0	0	1	1	1	1	1	2	2



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	0	0	0	0	1	1	1	1	1	2	2
-23.75°	0	0	0	0	1	1	1	1	1	2	2
-25°	0	0	0	0	1	1	1	1	1	2	2
-26.25°	0	0	0	0	1	1	1	1	1	2	2
-27.5°	0	0	0	0	1	1	1	1	1	1	2
-28.75°	0	0	0	0	0	1	1	1	1	1	2
-30°	0	0	0	0	0	1	1	1	1	1	2
-31.25°	0	0	0	0	0	1	1	1	1	1	2
-32.5°	0	0	0	0	0	1	1	1	1	1	1
-33.75°	0	0	0	0	0	0	1	1	1	1	1
-35°	0	0	0	0	0	0	1	1	1	1	1
-36.25°	0	0	0	0	0	0	1	1	1	1	1
-37.5°	0	0	0	0	0	0	1	1	1	1	1
-38.75°	0	0	0	0	0	0	0	1	1	1	1
-40°	0	0	0	0	0	0	0	1	1	1	1
-41.25°	0	0	0	0	0	0	0	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	1	1
61.25°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	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	1
56.25°	0	0	0	1	1	1	1	1	1	1	1
55°	0	0	1	1	1	1	1	1	1	1	1
53.75°	0	0	1	1	1	1	1	1	1	1	2
52.5°	0	1	1	1	1	1	1	1	1	2	2
51.25°	1	1	1	1	1	1	1	1	2	2	2
50°	1	1	1	1	1	1	1	2	2	2	2
48.75°	1	1	1	1	1	1	2	2	2	2	2
47.5°	1	1	1	1	1	1	2	2	2	2	3
46.25°	1	1	1	1	1	2	2	2	2	3	3
45°	1	1	1	1	2	2	2	2	3	3	3
43.75°	1	1	1	1	2	2	2	2	3	3	3
42.5°	1	1	1	2	2	2	2	3	3	3	3
41.25°	1	1	1	2	2	2	3	3	3	3	4
40°	1	1	2	2	2	2	3	3	3	4	4
38.75°	1	1	2	2	2	3	3	3	3	4	4
37.5°	1	2	2	2	2	3	3	3	4	4	4
36.25°	1	2	2	2	3	3	3	4	4	4	4
35°	2	2	2	2	3	3	3	4	4	4	5



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	2	2	2	3	3	3	4	4	4	4	5
32.5°	2	2	2	3	3	3	4	4	4	5	5
31.25°	2	2	2	3	3	3	4	4	4	5	5
30°	2	2	3	3	3	4	4	4	5	5	5
28.75°	2	2	3	3	3	4	4	4	5	5	5
27.5°	2	2	3	3	4	4	4	5	5	5	6
26.25°	2	3	3	3	4	4	4	5	5	5	6
25°	2	3	3	3	4	4	4	5	5	5	6
23.75°	2	3	3	3	4	4	5	5	5	6	6
22.5°	2	3	3	4	4	4	5	5	5	6	6
21.25°	3	3	3	4	4	4	5	5	5	6	6
20°	3	3	3	4	4	4	5	5	6	6	6
18.75°	3	3	3	4	4	5	5	5	6	6	6
17.5°	3	3	4	4	4	5	5	5	6	6	6
16.25°	3	3	4	4	4	5	5	5	6	6	6
15°	3	3	4	4	4	5	5	6	6	6	6
13.75°	3	3	4	4	4	5	5	6	6	6	6
12.5°	3	3	4	4	5	5	5	6	6	6	6
11.25°	3	3	4	4	5	5	5	6	6	6	6
10°	3	3	4	4	5	5	5	6	6	6	6
8.75°	3	3	4	4	5	5	5	6	6	6	6
7.5°	3	4	4	4	5	5	5	6	6	6	6
6.25°	3	4	4	4	5	5	6	6	6	6	6
5°	3	4	4	4	5	5	6	6	6	6	6
3.75°	3	4	4	4	5	5	6	6	6	6	6
2.5°	3	4	4	4	5	5	6	6	6	6	6
1.25°	3	4	4	4	5	5	6	6	6	6	6
0°	3	4	4	4	5	5	6	6	6	6	6
-1.25°	3	4	4	4	5	5	6	6	6	6	6
-2.5°	3	4	4	4	5	5	6	6	6	6	6
-3.75°	3	4	4	4	5	5	6	6	6	6	6
-5°	3	4	4	4	5	5	6	6	6	6	6
-6.25°	3	4	4	4	5	5	6	6	6	6	6
-7.5°	3	4	4	4	5	5	5	6	6	6	6
-8.75°	3	3	4	4	5	5	5	6	6	6	6
-10°	3	3	4	4	5	5	5	6	6	6	6
-11.25°	3	3	4	4	5	5	5	6	6	6	6
-12.5°	3	3	4	4	5	5	5	6	6	6	6
-13.75°	3	3	4	4	4	5	5	6	6	6	6
-15°	3	3	4	4	4	5	5	6	6	6	6
-16.25°	3	3	4	4	4	5	5	5	6	6	6
-17.5°	3	3	4	4	4	5	5	5	6	6	6
-18.75°	3	3	3	4	4	5	5	5	6	6	6
-20°	3	3	3	4	4	4	5	5	6	6	6
-21.25°	3	3	3	4	4	4	5	5	5	6	6





REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	3	3	4	4	4	5	5	5	6	6
-23.75°	2	3	3	3	4	4	5	5	5	6	6
-25°	2	3	3	3	4	4	4	5	5	5	6
-26.25°	2	3	3	3	4	4	4	5	5	5	6
-27.5°	2	2	3	3	4	4	4	5	5	5	6
-28.75°	2	2	3	3	3	4	4	4	5	5	5
-30°	2	2	3	3	3	4	4	4	5	5	5
-31.25°	2	2	2	3	3	3	4	4	4	5	5
-32.5°	2	2	2	3	3	3	4	4	4	5	5
-33.75°	2	2	2	3	3	3	4	4	4	4	5
-35°	2	2	2	2	3	3	3	4	4	4	5
-36.25°	1	2	2	2	3	3	3	4	4	4	4
-37.5°	1	2	2	2	2	3	3	3	4	4	4
-38.75°	1	1	2	2	2	3	3	3	3	4	4
-40°	1	1	2	2	2	2	3	3	3	4	4
-41.25°	1	1	1	2	2	2	3	3	3	3	4
-42.5°	1	1	1	2	2	2	2	3	3	3	3
-43.75°	1	1	1	1	2	2	2	2	3	3	3
-45°	1	1	1	1	2	2	2	2	3	3	3
-46.25°	1	1	1	1	1	2	2	2	2	3	3
-47.5°	1	1	1	1	1	1	2	2	2	2	3
-48.75°	1	1	1	1	1	1	2	2	2	2	2
-50°	1	1	1	1	1	1	1	2	2	2	2
-51.25°	1	1	1	1	1	1	1	1	2	2	2
-52.5°	0	1	1	1	1	1	1	1	1	2	2
-53.75°	0	0	1	1	1	1	1	1	1	1	2
-55°	0	0	1	1	1	1	1	1	1	1	1
-56.25°	0	0	0	1	1	1	1	1	1	1	1
-57.5°	0	0	0	0	1	1	1	1	1	1	1
-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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	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	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	2	2
60°	1	1	1	1	1	1	1	2	2	2	2
58.75°	1	1	1	1	1	2	2	2	2	2	2
57.5°	1	1	1	2	2	2	2	2	2	2	3
56.25°	1	1	2	2	2	2	2	2	3	3	3
55°	2	2	2	2	2	2	3	3	3	3	3
53.75°	2	2	2	2	2	3	3	3	3	3	4
52.5°	2	2	2	3	3	3	3	3	3	4	4
51.25°	2	2	3	3	3	3	3	4	4	4	4
50°	2	3	3	3	3	3	4	4	4	4	4
48.75°	3	3	3	3	4	4	4	4	4	4	5
47.5°	3	3	3	4	4	4	4	4	5	5	5
46.25°	3	3	4	4	4	4	4	5	5	5	5
45°	3	4	4	4	4	4	5	5	5	5	6
43.75°	4	4	4	4	4	5	5	5	5	6	6
42.5°	4	4	4	4	5	5	5	5	6	6	6
41.25°	4	4	4	5	5	5	5	6	6	6	6
40°	4	4	5	5	5	5	6	6	6	6	6
38.75°	4	5	5	5	5	6	6	6	6	6	6
37.5°	4	5	5	5	6	6	6	6	6	6	6
36.25°	5	5	5	6	6	6	6	6	6	6	6
35°	5	5	5	6	6	6	6	6	6	6	7



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	5	5	6	6	6	6	6	6	6	7	7
32.5°	5	6	6	6	6	6	6	6	7	7	7
31.25°	5	6	6	6	6	6	6	7	7	7	7
30°	6	6	6	6	6	6	7	7	7	7	8
28.75°	6	6	6	6	6	6	7	7	7	8	8
27.5°	6	6	6	6	6	7	7	7	8	8	8
26.25°	6	6	6	6	6	7	7	7	8	8	9
25°	6	6	6	6	7	7	7	8	8	9	9
23.75°	6	6	6	6	7	7	7	8	8	9	10
22.5°	6	6	6	7	7	7	8	8	9	9	10
21.25°	6	6	6	7	7	7	8	8	9	10	10
20°	6	6	6	7	7	8	8	9	9	10	11
18.75°	6	6	7	7	7	8	8	9	10	10	11
17.5°	6	6	7	7	7	8	8	9	10	11	11
16.25°	6	6	7	7	8	8	9	9	10	11	12
15°	6	7	7	7	8	8	9	10	10	11	12
13.75°	6	7	7	7	8	8	9	10	11	11	12
12.5°	6	7	7	7	8	9	9	10	11	12	12
11.25°	6	7	7	8	8	9	10	10	11	12	13
10°	6	7	7	8	8	9	10	10	11	12	13
8.75°	7	7	7	8	8	9	10	11	11	12	13
7.5°	7	7	7	8	8	9	10	11	12	12	14
6.25°	7	7	7	8	8	9	10	11	12	12	14
5°	7	7	7	8	9	9	10	11	12	13	14
3.75°	7	7	7	8	9	9	10	11	12	13	14
2.5°	7	7	7	8	9	9	10	11	12	13	15
1.25°	7	7	7	8	9	9	10	11	12	13	15
0°	7	7	8	8	9	10	10	11	12	13	15
-1.25°	7	7	7	8	9	9	10	11	12	13	15
-2.5°	7	7	7	8	9	9	10	11	12	13	15
-3.75°	7	7	7	8	9	9	10	11	12	13	14
-5°	7	7	7	8	9	9	10	11	12	13	14
-6.25°	7	7	7	8	8	9	10	11	12	12	14
-7.5°	7	7	7	8	8	9	10	11	12	12	14
-8.75°	7	7	7	8	8	9	10	11	11	12	13
-10°	6	7	7	8	8	9	10	10	11	12	13
-11.25°	6	7	7	8	8	9	10	10	11	12	13
-12.5°	6	7	7	7	8	9	9	10	11	12	12
-13.75°	6	7	7	7	8	8	9	10	11	11	12
-15°	6	7	7	7	8	8	9	10	10	11	12
-16.25°	6	6	7	7	8	8	9	9	10	11	12
-17.5°	6	6	7	7	7	8	8	9	10	11	11
-18.75°	6	6	7	7	7	8	8	9	10	10	11
-20°	6	6	6	7	7	8	8	9	9	10	11
-21.25°	6	6	6	7	7	7	8	8	9	10	10



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	6	6	6	7	7	7	8	8	9	9	10
-23.75°	6	6	6	6	7	7	7	8	8	9	10
-25°	6	6	6	6	7	7	7	8	8	9	9
-26.25°	6	6	6	6	6	7	7	7	8	8	9
-27.5°	6	6	6	6	6	7	7	7	8	8	8
-28.75°	6	6	6	6	6	6	7	7	7	8	8
-30°	6	6	6	6	6	6	7	7	7	7	8
-31.25°	5	6	6	6	6	6	6	7	7	7	7
-32.5°	5	6	6	6	6	6	6	6	7	7	7
-33.75°	5	5	6	6	6	6	6	6	6	7	7
-35°	5	5	5	6	6	6	6	6	6	6	7
-36.25°	5	5	5	6	6	6	6	6	6	6	6
-37.5°	4	5	5	5	6	6	6	6	6	6	6
-38.75°	4	5	5	5	5	6	6	6	6	6	6
-40°	4	4	5	5	5	5	6	6	6	6	6
-41.25°	4	4	4	5	5	5	5	6	6	6	6
-42.5°	4	4	4	4	5	5	5	5	6	6	6
-43.75°	4	4	4	4	4	5	5	5	5	6	6
-45°	3	4	4	4	4	4	5	5	5	5	6
-46.25°	3	3	4	4	4	4	4	5	5	5	5
-47.5°	3	3	3	4	4	4	4	4	5	5	5
-48.75°	3	3	3	3	4	4	4	4	4	4	5
-50°	2	3	3	3	3	3	4	4	4	4	4
-51.25°	2	2	3	3	3	3	3	4	4	4	4
-52.5°	2	2	2	3	3	3	3	3	3	4	4
-53.75°	2	2	2	2	2	3	3	3	3	3	4
-55°	2	2	2	2	2	2	3	3	3	3	3
-56.25°	1	1	2	2	2	2	2	2	3	3	3
-57.5°	1	1	1	2	2	2	2	2	2	2	3
-58.75°	1	1	1	1	1	2	2	2	2	2	2
-60°	1	1	1	1	1	1	1	2	2	2	2
-61.25°	1	1	1	1	1	1	1	1	1	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	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	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	2	2	2	2
63.75°	1	1	1	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	3	3	3	3
60°	2	2	2	2	3	3	3	3	3	3	3
58.75°	2	3	3	3	3	3	3	3	3	3	4
57.5°	3	3	3	3	3	3	4	4	4	4	4
56.25°	3	3	3	3	4	4	4	4	4	4	4
55°	3	4	4	4	4	4	4	4	4	5	5
53.75°	4	4	4	4	4	4	5	5	5	5	5
52.5°	4	4	4	4	5	5	5	5	5	5	5
51.25°	4	4	5	5	5	5	5	5	5	6	6
50°	5	5	5	5	5	5	6	6	6	6	6
48.75°	5	5	5	5	6	6	6	6	6	6	6
47.5°	5	5	6	6	6	6	6	6	6	6	6
46.25°	5	6	6	6	6	6	6	6	6	6	6
45°	6	6	6	6	6	6	6	6	6	6	7
43.75°	6	6	6	6	6	6	6	6	7	7	7
42.5°	6	6	6	6	6	6	7	7	7	7	7
41.25°	6	6	6	6	7	7	7	7	7	7	8
40°	6	6	6	7	7	7	7	7	8	8	8
38.75°	6	6	7	7	7	7	8	8	8	8	9
37.5°	6	7	7	7	7	8	8	8	9	9	9
36.25°	7	7	7	7	8	8	8	9	9	10	10
35°	7	7	7	8	8	8	9	9	10	10	11



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	7	7	8	8	9	9	10	10	10	11	11
32.5°	7	8	8	9	9	10	10	11	11	11	12
31.25°	8	8	9	9	10	10	11	11	12	12	12
30°	8	9	9	10	10	11	11	12	12	13	14
28.75°	8	9	10	10	11	11	12	12	13	14	15
27.5°	9	10	10	11	11	12	12	13	14	16	17
26.25°	9	10	11	11	12	12	13	14	16	18	22
25°	10	10	11	12	12	13	14	16	18	22	27
23.75°	10	11	11	12	13	14	16	18	22	27	32
22.5°	11	11	12	12	14	15	17	22	27	32	37
21.25°	11	12	12	13	15	16	21	26	31	37	43
20°	11	12	13	14	16	19	25	30	36	42	49
18.75°	12	12	13	15	17	23	28	34	41	48	57
17.5°	12	13	14	16	20	26	32	39	46	54	78
16.25°	12	13	15	18	23	29	36	43	51	70	117
15°	13	14	16	20	26	33	40	47	59	94	168
13.75°	13	15	17	23	29	36	43	52	75	135	233
12.5°	14	16	19	25	32	39	47	60	99	184	298
11.25°	14	16	21	27	34	42	51	73	133	237	359
10°	15	17	23	29	37	45	55	86	170	289	422
8.75°	15	18	25	31	39	47	63	113	212	337	479
7.5°	16	20	26	33	41	50	72	136	248	381	529
6.25°	16	21	27	35	43	53	80	158	282	422	573
5°	16	22	28	36	44	55	90	182	311	456	609
3.75°	16	22	29	37	45	57	102	201	333	483	634
2.5°	17	23	30	38	46	60	110	215	349	502	652
1.25°	17	23	30	38	47	63	116	223	358	513	663
0°	17	23	30	38	47	63	117	226	362	517	666
-1.25°	17	23	30	38	47	63	116	223	358	513	663
-2.5°	17	23	30	38	46	60	110	215	349	502	652
-3.75°	16	22	29	37	45	57	102	201	333	483	634
-5°	16	22	28	36	44	55	90	182	311	456	609
-6.25°	16	21	27	35	43	53	80	158	282	422	573
-7.5°	16	20	26	33	41	50	72	136	248	381	529
-8.75°	15	18	25	31	39	47	63	113	212	337	479
-10°	15	17	23	29	37	45	55	86	170	289	422
-11.25°	14	16	21	27	34	42	51	73	133	237	359
-12.5°	14	16	19	25	32	39	47	60	99	184	298
-13.75°	13	15	17	23	29	36	43	52	75	135	233
-15°	13	14	16	20	26	33	40	47	59	94	168
-16.25°	12	13	15	18	23	29	36	43	51	70	117
-17.5°	12	13	14	16	20	26	32	39	46	54	78
-18.75°	12	12	13	15	17	23	28	34	41	48	57
-20°	11	12	13	14	16	19	25	30	36	42	49
-21.25°	11	12	12	13	15	16	21	26	31	37	43





REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	11	11	12	12	14	15	17	22	27	32	37
-23.75°	10	11	11	12	13	14	16	18	22	27	32
-25°	10	10	11	12	12	13	14	16	18	22	27
-26.25°	9	10	11	11	12	12	13	14	16	18	22
-27.5°	9	10	10	11	11	12	12	13	14	16	17
-28.75°	8	9	10	10	11	11	12	12	13	14	15
-30°	8	9	9	10	10	11	11	12	12	13	14
-31.25°	8	8	9	9	10	10	11	11	12	12	12
-32.5°	7	8	8	9	9	10	10	11	11	11	12
-33.75°	7	7	8	8	9	9	10	10	10	11	11
-35°	7	7	7	8	8	8	9	9	10	10	11
-36.25°	7	7	7	7	8	8	8	9	9	10	10
-37.5°	6	7	7	7	7	8	8	8	9	9	9
-38.75°	6	6	7	7	7	7	8	8	8	8	9
-40°	6	6	6	7	7	7	7	7	8	8	8
-41.25°	6	6	6	6	7	7	7	7	7	7	8
-42.5°	6	6	6	6	6	6	7	7	7	7	7
-43.75°	6	6	6	6	6	6	6	6	7	7	7
-45°	6	6	6	6	6	6	6	6	6	6	7
-46.25°	5	6	6	6	6	6	6	6	6	6	6
-47.5°	5	5	6	6	6	6	6	6	6	6	6
-48.75°	5	5	5	5	6	6	6	6	6	6	6
-50°	5	5	5	5	5	5	6	6	6	6	6
-51.25°	4	4	5	5	5	5	5	5	5	6	6
-52.5°	4	4	4	4	5	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	5	5	5	5	5
-55°	3	4	4	4	4	4	4	4	4	5	5
-56.25°	3	3	3	3	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	3	4	4	4	4	4
-58.75°	2	3	3	3	3	3	3	3	3	3	4
-60°	2	2	2	2	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	2	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	1	1	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	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	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	5	5	5	5
56.25°	4	4	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	5	5	5	5
53.75°	5	5	5	5	5	6	6	6	6	6	6
52.5°	5	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	6	6	6	6	6	6	6	6	6	6	7
47.5°	6	6	6	6	6	7	7	7	7	7	7
46.25°	6	6	7	7	7	7	7	7	7	7	7
45°	7	7	7	7	7	7	7	7	8	8	8
43.75°	7	7	7	7	8	8	8	8	8	8	8
42.5°	7	8	8	8	8	8	8	9	9	9	9
41.25°	8	8	8	8	9	9	9	9	10	10	10
40°	8	9	9	9	9	10	10	10	10	10	11
38.75°	9	9	10	10	10	10	11	11	11	11	11
37.5°	10	10	10	11	11	11	11	12	12	12	12
36.25°	10	11	11	11	12	12	12	12	13	13	13
35°	11	11	12	12	12	13	13	14	14	15	15



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	12	12	12	13	13	14	15	16	16	17	18
32.5°	12	13	13	14	15	16	17	19	21	23	25
31.25°	13	14	15	16	18	20	23	25	27	29	31
30°	15	16	17	20	23	26	29	32	34	37	39
28.75°	16	19	23	26	29	33	36	39	42	45	47
27.5°	21	25	28	32	36	40	43	47	51	55	63
26.25°	26	30	34	39	43	47	52	60	73	86	113
25°	31	36	41	46	51	59	75	99	133	170	212
23.75°	37	42	48	54	70	94	135	184	237	289	337
22.5°	43	49	57	78	117	168	233	298	359	422	479
21.25°	50	60	83	133	199	272	347	423	496	563	622
20°	60	85	141	217	300	385	472	555	630	692	741
18.75°	83	141	224	314	409	506	598	676	741	789	822
17.5°	133	217	314	417	523	623	708	771	818	851	884
16.25°	199	300	409	523	631	723	789	834	874	913	958
15°	272	385	506	623	723	795	843	888	938	991	1046
13.75°	347	472	598	708	789	843	893	951	1014	1079	1155
12.5°	423	555	676	771	834	888	951	1021	1100	1190	1315
11.25°	496	630	741	818	874	938	1014	1100	1207	1350	1516
10°	563	692	789	851	913	991	1079	1190	1350	1539	1749
8.75°	622	741	822	884	958	1046	1155	1315	1516	1749	2039
7.5°	669	778	848	914	1000	1102	1246	1447	1689	1995	2393
6.25°	709	807	871	947	1041	1158	1339	1573	1866	2266	2797
5°	737	824	891	975	1075	1218	1433	1701	2057	2551	3223
3.75°	757	838	907	998	1110	1276	1510	1804	2231	2838	3656
2.5°	771	848	920	1016	1135	1318	1569	1903	2386	3072	3990
1.25°	779	854	929	1027	1150	1343	1610	1966	2481	3217	4216
0°	782	856	932	1030	1155	1352	1624	1987	2513	3266	4297
-1.25°	779	854	929	1027	1150	1343	1610	1966	2481	3217	4216
-2.5°	771	848	920	1016	1135	1318	1569	1903	2386	3072	3990
-3.75°	757	838	907	998	1110	1276	1510	1804	2231	2838	3656
-5°	737	824	891	975	1075	1218	1433	1701	2057	2551	3223
-6.25°	709	807	871	947	1041	1158	1339	1573	1866	2266	2797
-7.5°	669	778	848	914	1000	1102	1246	1447	1689	1995	2393
-8.75°	622	741	822	884	958	1046	1155	1315	1516	1749	2039
-10°	563	692	789	851	913	991	1079	1190	1350	1539	1749
-11.25°	496	630	741	818	874	938	1014	1100	1207	1350	1516
-12.5°	423	555	676	771	834	888	951	1021	1100	1190	1315
-13.75°	347	472	598	708	789	843	893	951	1014	1079	1155
-15°	272	385	506	623	723	795	843	888	938	991	1046
-16.25°	199	300	409	523	631	723	789	834	874	913	958
-17.5°	133	217	314	417	523	623	708	771	818	851	884
-18.75°	83	141	224	314	409	506	598	676	741	789	822
-20°	60	85	141	217	300	385	472	555	630	692	741
-21.25°	50	60	83	133	199	272	347	423	496	563	622



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	43	49	57	78	117	168	233	298	359	422	479
-23.75°	37	42	48	54	70	94	135	184	237	289	337
-25°	31	36	41	46	51	59	75	99	133	170	212
-26.25°	26	30	34	39	43	47	52	60	73	86	113
-27.5°	21	25	28	32	36	40	43	47	51	55	63
-28.75°	16	19	23	26	29	33	36	39	42	45	47
-30°	15	16	17	20	23	26	29	32	34	37	39
-31.25°	13	14	15	16	18	20	23	25	27	29	31
-32.5°	12	13	13	14	15	16	17	19	21	23	25
-33.75°	12	12	12	13	13	14	15	16	16	17	18
-35°	11	11	12	12	12	13	13	14	14	15	15
-36.25°	10	11	11	11	12	12	12	12	13	13	13
-37.5°	10	10	10	11	11	11	11	12	12	12	12
-38.75°	9	9	10	10	10	10	11	11	11	11	11
-40°	8	9	9	9	9	10	10	10	10	10	11
-41.25°	8	8	8	8	9	9	9	9	10	10	10
-42.5°	7	8	8	8	8	8	8	9	9	9	9
-43.75°	7	7	7	7	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	7	7	8	8	8
-46.25°	6	6	7	7	7	7	7	7	7	7	7
-47.5°	6	6	6	6	6	7	7	7	7	7	7
-48.75°	6	6	6	6	6	6	6	6	6	6	7
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	5	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	6	6	6	6	6	6
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	4	4	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	4	4	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	3	3	3	3	3
-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	1	1	1	1	1	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	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°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	5	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	7	7	7	7	7	7	7	7	7	7	7
47.5°	7	7	7	7	7	7	7	7	7	7	7
46.25°	7	7	7	7	7	7	8	7	7	7	7
45°	8	8	8	8	8	8	8	8	8	8	8
43.75°	8	8	9	9	9	9	9	9	9	9	9
42.5°	9	9	9	9	9	9	10	9	9	9	9
41.25°	10	10	10	10	10	10	10	10	10	10	10
40°	11	11	11	11	11	11	11	11	11	11	11
38.75°	12	12	12	12	12	12	12	12	12	12	12
37.5°	12	12	13	13	13	13	13	13	13	13	13
36.25°	14	14	14	14	15	15	15	15	15	14	14
35°	16	16	16	16	17	17	17	17	17	16	16



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	20	21	22	22	23	23	23	23	23	22	22
32.5°	26	27	28	29	30	30	30	30	30	29	28
31.25°	33	35	36	37	38	38	38	38	38	37	36
30°	41	43	44	45	46	47	47	47	46	45	44
28.75°	50	53	55	57	60	63	63	63	60	57	55
27.5°	72	80	90	102	110	116	117	116	110	102	90
26.25°	136	158	182	201	215	223	226	223	215	201	182
25°	248	282	311	333	349	358	362	358	349	333	311
23.75°	381	422	456	483	502	513	517	513	502	483	456
22.5°	529	573	609	634	652	663	666	663	652	634	609
21.25°	669	709	737	757	771	779	782	779	771	757	737
20°	778	807	824	838	848	854	856	854	848	838	824
18.75°	848	871	891	907	920	929	932	929	920	907	891
17.5°	914	947	975	998	1016	1027	1030	1027	1016	998	975
16.25°	1000	1041	1075	1110	1135	1150	1155	1150	1135	1110	1075
15°	1102	1158	1218	1276	1318	1343	1352	1343	1318	1276	1218
13.75°	1246	1339	1433	1510	1569	1610	1624	1610	1569	1510	1433
12.5°	1447	1573	1701	1804	1903	1966	1987	1966	1903	1804	1701
11.25°	1689	1866	2057	2231	2386	2481	2513	2481	2386	2231	2057
10°	1995	2266	2551	2838	3072	3217	3266	3217	3072	2838	2551
8.75°	2393	2797	3223	3656	3990	4216	4297	4216	3990	3656	3223
7.5°	2890	3466	4064	4635	5079	5379	5481	5379	5079	4635	4064
6.25°	3466	4224	4985	5696	6242	6588	6707	6588	6242	5696	4985
5°	4064	4985	5914	6710	7330	7733	7875	7733	7330	6710	5914
3.75°	4635	5696	6710	7596	8286	8739	8874	8739	8286	7596	6710
2.5°	5079	6242	7330	8286	9018	9480	9628	9480	9018	8286	7330
1.25°	5379	6588	7733	8739	9480	9950	10110	9950	9480	8739	7733
0°	5481	6707	7875	8874	9628	10110	10319	10110	9628	8874	7875
-1.25°	5379	6588	7733	8739	9480	9950	10110	9950	9480	8739	7733
-2.5°	5079	6242	7330	8286	9018	9480	9628	9480	9018	8286	7330
-3.75°	4635	5696	6710	7596	8286	8739	8874	8739	8286	7596	6710
-5°	4064	4985	5914	6710	7330	7733	7875	7733	7330	6710	5914
-6.25°	3466	4224	4985	5696	6242	6588	6707	6588	6242	5696	4985
-7.5°	2890	3466	4064	4635	5079	5379	5481	5379	5079	4635	4064
-8.75°	2393	2797	3223	3656	3990	4216	4297	4216	3990	3656	3223
-10°	1995	2266	2551	2838	3072	3217	3266	3217	3072	2838	2551
-11.25°	1689	1866	2057	2231	2386	2481	2513	2481	2386	2231	2057
-12.5°	1447	1573	1701	1804	1903	1966	1987	1966	1903	1804	1701
-13.75°	1246	1339	1433	1510	1569	1610	1624	1610	1569	1510	1433
-15°	1102	1158	1218	1276	1318	1343	1352	1343	1318	1276	1218
-16.25°	1000	1041	1075	1110	1135	1150	1155	1150	1135	1110	1075
-17.5°	914	947	975	998	1016	1027	1030	1027	1016	998	975
-18.75°	848	871	891	907	920	929	932	929	920	907	891
-20°	778	807	824	838	848	854	856	854	848	838	824
-21.25°	669	709	737	757	771	779	782	779	771	757	737





REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	529	573	609	634	652	663	666	663	652	634	609
-23.75°	381	422	456	483	502	513	517	513	502	483	456
-25°	248	282	311	333	349	358	362	358	349	333	311
-26.25°	136	158	182	201	215	223	226	223	215	201	182
-27.5°	72	80	90	102	110	116	117	116	110	102	90
-28.75°	50	53	55	57	60	63	63	63	60	57	55
-30°	41	43	44	45	46	47	47	47	46	45	44
-31.25°	33	35	36	37	38	38	38	38	38	37	36
-32.5°	26	27	28	29	30	30	30	30	30	29	28
-33.75°	20	21	22	22	23	23	23	23	23	22	22
-35°	16	16	16	16	17	17	17	17	17	16	16
-36.25°	14	14	14	14	15	15	15	15	15	14	14
-37.5°	12	12	13	13	13	13	13	13	13	13	13
-38.75°	12	12	12	12	12	12	12	12	12	12	12
-40°	11	11	11	11	11	11	11	11	11	11	11
-41.25°	10	10	10	10	10	10	10	10	10	10	10
-42.5°	9	9	9	9	9	9	10	9	9	9	9
-43.75°	8	8	9	9	9	9	9	9	9	9	9
-45°	8	8	8	8	8	8	8	8	8	8	8
-46.25°	7	7	7	7	7	7	8	7	7	7	7
-47.5°	7	7	7	7	7	7	7	7	7	7	7
-48.75°	7	7	7	7	7	7	7	7	7	7	7
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	6	6	6
-55°	5	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-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	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	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°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	3	3	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	3	3	3	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	4	4	4	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	4	4	4	4	4
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	6	5	5	5	5	5	5	5	5	5	5
53.75°	6	6	6	6	6	6	6	6	5	5	5
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	6	6	6	6	6	6	6	6	6	6	6
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	7	7	7	6	6	6	6	6	6	6	6
47.5°	7	7	7	7	7	7	7	7	6	6	6
46.25°	7	7	7	7	7	7	7	7	7	7	7
45°	8	8	8	8	8	7	7	7	7	7	7
43.75°	8	8	8	8	8	8	8	8	8	7	7
42.5°	9	9	9	9	9	9	8	8	8	8	8
41.25°	10	10	10	10	10	9	9	9	9	8	8
40°	11	11	11	10	10	10	10	10	9	9	9
38.75°	12	12	11	11	11	11	11	10	10	10	10
37.5°	12	12	12	12	12	12	11	11	11	11	10
36.25°	14	14	13	13	13	12	12	12	12	11	11
35°	16	16	15	15	14	14	13	13	12	12	12

REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	21	20	18	17	16	16	15	14	13	13	12
32.5°	27	26	25	23	21	19	17	16	15	14	13
31.25°	35	33	31	29	27	25	23	20	18	16	15
30°	43	41	39	37	34	32	29	26	23	20	17
28.75°	53	50	47	45	42	39	36	33	29	26	23
27.5°	80	72	63	55	51	47	43	40	36	32	28
26.25°	158	136	113	86	73	60	52	47	43	39	34
25°	282	248	212	170	133	99	75	59	51	46	41
23.75°	422	381	337	289	237	184	135	94	70	54	48
22.5°	573	529	479	422	359	298	233	168	117	78	57
21.25°	709	669	622	563	496	423	347	272	199	133	83
20°	807	778	741	692	630	555	472	385	300	217	141
18.75°	871	848	822	789	741	676	598	506	409	314	224
17.5°	947	914	884	851	818	771	708	623	523	417	314
16.25°	1041	1000	958	913	874	834	789	723	631	523	409
15°	1158	1102	1046	991	938	888	843	795	723	623	506
13.75°	1339	1246	1155	1079	1014	951	893	843	789	708	598
12.5°	1573	1447	1315	1190	1100	1021	951	888	834	771	676
11.25°	1866	1689	1516	1350	1207	1100	1014	938	874	818	741
10°	2266	1995	1749	1539	1350	1190	1079	991	913	851	789
8.75°	2797	2393	2039	1749	1516	1315	1155	1046	958	884	822
7.5°	3466	2890	2393	1995	1689	1447	1246	1102	1000	914	848
6.25°	4224	3466	2797	2266	1866	1573	1339	1158	1041	947	871
5°	4985	4064	3223	2551	2057	1701	1433	1218	1075	975	891
3.75°	5696	4635	3656	2838	2231	1804	1510	1276	1110	998	907
2.5°	6242	5079	3990	3072	2386	1903	1569	1318	1135	1016	920
1.25°	6588	5379	4216	3217	2481	1966	1610	1343	1150	1027	929
0°	6707	5481	4297	3266	2513	1987	1624	1352	1155	1030	932
-1.25°	6588	5379	4216	3217	2481	1966	1610	1343	1150	1027	929
-2.5°	6242	5079	3990	3072	2386	1903	1569	1318	1135	1016	920
-3.75°	5696	4635	3656	2838	2231	1804	1510	1276	1110	998	907
-5°	4985	4064	3223	2551	2057	1701	1433	1218	1075	975	891
-6.25°	4224	3466	2797	2266	1866	1573	1339	1158	1041	947	871
-7.5°	3466	2890	2393	1995	1689	1447	1246	1102	1000	914	848
-8.75°	2797	2393	2039	1749	1516	1315	1155	1046	958	884	822
-10°	2266	1995	1749	1539	1350	1190	1079	991	913	851	789
-11.25°	1866	1689	1516	1350	1207	1100	1014	938	874	818	741
-12.5°	1573	1447	1315	1190	1100	1021	951	888	834	771	676
-13.75°	1339	1246	1155	1079	1014	951	893	843	789	708	598
-15°	1158	1102	1046	991	938	888	843	795	723	623	506
-16.25°	1041	1000	958	913	874	834	789	723	631	523	409
-17.5°	947	914	884	851	818	771	708	623	523	417	314
-18.75°	871	848	822	789	741	676	598	506	409	314	224
-20°	807	778	741	692	630	555	472	385	300	217	141
-21.25°	709	669	622	563	496	423	347	272	199	133	83



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	573	529	479	422	359	298	233	168	117	78	57
-23.75°	422	381	337	289	237	184	135	94	70	54	48
-25°	282	248	212	170	133	99	75	59	51	46	41
-26.25°	158	136	113	86	73	60	52	47	43	39	34
-27.5°	80	72	63	55	51	47	43	40	36	32	28
-28.75°	53	50	47	45	42	39	36	33	29	26	23
-30°	43	41	39	37	34	32	29	26	23	20	17
-31.25°	35	33	31	29	27	25	23	20	18	16	15
-32.5°	27	26	25	23	21	19	17	16	15	14	13
-33.75°	21	20	18	17	16	16	15	14	13	13	12
-35°	16	16	15	15	14	14	13	13	12	12	12
-36.25°	14	14	13	13	13	12	12	12	12	11	11
-37.5°	12	12	12	12	12	12	11	11	11	11	10
-38.75°	12	12	11	11	11	11	11	10	10	10	10
-40°	11	11	11	10	10	10	10	10	9	9	9
-41.25°	10	10	10	10	10	9	9	9	9	8	8
-42.5°	9	9	9	9	9	9	8	8	8	8	8
-43.75°	8	8	8	8	8	8	8	8	8	7	7
-45°	8	8	8	8	8	7	7	7	7	7	7
-46.25°	7	7	7	7	7	7	7	7	7	7	7
-47.5°	7	7	7	7	7	7	7	7	6	6	6
-48.75°	7	7	7	6	6	6	6	6	6	6	6
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	5	5	5
-55°	6	5	5	5	5	5	5	5	5	5	5
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	3
-61.25°	4	4	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	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	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	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°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	1	1	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	2	2	1
62.5°	3	3	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	2	2
58.75°	4	4	4	3	3	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	3	3	3	3
56.25°	4	4	4	4	4	4	4	4	4	3	3
55°	5	5	5	5	4	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	4	4	4	4
52.5°	6	5	5	5	5	5	5	5	5	4	4
51.25°	6	6	6	6	5	5	5	5	5	5	5
50°	6	6	6	6	6	6	6	5	5	5	5
48.75°	6	6	6	6	6	6	6	6	6	5	5
47.5°	6	6	6	6	6	6	6	6	6	6	6
46.25°	6	6	6	6	6	6	6	6	6	6	6
45°	7	7	7	6	6	6	6	6	6	6	6
43.75°	7	7	7	7	7	6	6	6	6	6	6
42.5°	8	7	7	7	7	7	7	6	6	6	6
41.25°	8	8	8	7	7	7	7	7	7	6	6
40°	9	8	8	8	8	7	7	7	7	7	6
38.75°	9	9	9	8	8	8	8	7	7	7	7
37.5°	10	10	9	9	9	8	8	8	7	7	7
36.25°	11	10	10	10	9	9	8	8	8	7	7
35°	11	11	11	10	10	9	9	8	8	8	7



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	12	12	11	11	10	10	10	9	9	8	8
32.5°	13	12	12	11	11	11	10	10	9	9	8
31.25°	14	13	12	12	12	11	11	10	10	9	9
30°	16	15	14	13	12	12	11	11	10	10	9
28.75°	19	16	15	14	13	12	12	11	11	10	10
27.5°	25	21	17	16	14	13	12	12	11	11	10
26.25°	30	26	22	18	16	14	13	12	12	11	11
25°	36	31	27	22	18	16	14	13	12	12	11
23.75°	42	37	32	27	22	18	16	14	13	12	11
22.5°	49	43	37	32	27	22	17	15	14	12	12
21.25°	60	50	43	37	31	26	21	16	15	13	12
20°	85	60	49	42	36	30	25	19	16	14	13
18.75°	141	83	57	48	41	34	28	23	17	15	13
17.5°	217	133	78	54	46	39	32	26	20	16	14
16.25°	300	199	117	70	51	43	36	29	23	18	15
15°	385	272	168	94	59	47	40	33	26	20	16
13.75°	472	347	233	135	75	52	43	36	29	23	17
12.5°	555	423	298	184	99	60	47	39	32	25	19
11.25°	630	496	359	237	133	73	51	42	34	27	21
10°	692	563	422	289	170	86	55	45	37	29	23
8.75°	741	622	479	337	212	113	63	47	39	31	25
7.5°	778	669	529	381	248	136	72	50	41	33	26
6.25°	807	709	573	422	282	158	80	53	43	35	27
5°	824	737	609	456	311	182	90	55	44	36	28
3.75°	838	757	634	483	333	201	102	57	45	37	29
2.5°	848	771	652	502	349	215	110	60	46	38	30
1.25°	854	779	663	513	358	223	116	63	47	38	30
0°	856	782	666	517	362	226	117	63	47	38	30
-1.25°	854	779	663	513	358	223	116	63	47	38	30
-2.5°	848	771	652	502	349	215	110	60	46	38	30
-3.75°	838	757	634	483	333	201	102	57	45	37	29
-5°	824	737	609	456	311	182	90	55	44	36	28
-6.25°	807	709	573	422	282	158	80	53	43	35	27
-7.5°	778	669	529	381	248	136	72	50	41	33	26
-8.75°	741	622	479	337	212	113	63	47	39	31	25
-10°	692	563	422	289	170	86	55	45	37	29	23
-11.25°	630	496	359	237	133	73	51	42	34	27	21
-12.5°	555	423	298	184	99	60	47	39	32	25	19
-13.75°	472	347	233	135	75	52	43	36	29	23	17
-15°	385	272	168	94	59	47	40	33	26	20	16
-16.25°	300	199	117	70	51	43	36	29	23	18	15
-17.5°	217	133	78	54	46	39	32	26	20	16	14
-18.75°	141	83	57	48	41	34	28	23	17	15	13
-20°	85	60	49	42	36	30	25	19	16	14	13
-21.25°	60	50	43	37	31	26	21	16	15	13	12





REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	49	43	37	32	27	22	17	15	14	12	12
-23.75°	42	37	32	27	22	18	16	14	13	12	11
-25°	36	31	27	22	18	16	14	13	12	12	11
-26.25°	30	26	22	18	16	14	13	12	12	11	11
-27.5°	25	21	17	16	14	13	12	12	11	11	10
-28.75°	19	16	15	14	13	12	12	11	11	10	10
-30°	16	15	14	13	12	12	11	11	10	10	9
-31.25°	14	13	12	12	12	11	11	10	10	9	9
-32.5°	13	12	12	11	11	11	10	10	9	9	8
-33.75°	12	12	11	11	10	10	10	9	9	8	8
-35°	11	11	11	10	10	9	9	8	8	8	7
-36.25°	11	10	10	10	9	9	8	8	8	7	7
-37.5°	10	10	9	9	9	8	8	8	7	7	7
-38.75°	9	9	9	8	8	8	8	7	7	7	7
-40°	9	8	8	8	8	7	7	7	7	7	6
-41.25°	8	8	8	7	7	7	7	7	7	6	6
-42.5°	8	7	7	7	7	7	7	6	6	6	6
-43.75°	7	7	7	7	7	6	6	6	6	6	6
-45°	7	7	7	6	6	6	6	6	6	6	6
-46.25°	6	6	6	6	6	6	6	6	6	6	6
-47.5°	6	6	6	6	6	6	6	6	6	6	6
-48.75°	6	6	6	6	6	6	6	6	6	5	5
-50°	6	6	6	6	6	6	6	5	5	5	5
-51.25°	6	6	6	6	5	5	5	5	5	5	5
-52.5°	6	5	5	5	5	5	5	5	5	4	4
-53.75°	5	5	5	5	5	5	5	4	4	4	4
-55°	5	5	5	5	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	3	3
-57.5°	4	4	4	4	4	4	4	3	3	3	3
-58.75°	4	4	4	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	2	2
-61.25°	3	3	3	3	3	3	2	2	2	2	2
-62.5°	3	3	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	1
-65°	2	2	2	2	2	2	1	1	1	1	1
-66.25°	2	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	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°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	2	2	1	1	1	1	1	1	1	1	1
61.25°	2	2	2	2	1	1	1	1	1	1	1
60°	2	2	2	2	2	2	1	1	1	1	1
58.75°	3	2	2	2	2	2	2	2	1	1	1
57.5°	3	3	3	2	2	2	2	2	2	2	1
56.25°	3	3	3	3	3	2	2	2	2	2	2
55°	4	3	3	3	3	3	3	2	2	2	2
53.75°	4	4	4	3	3	3	3	3	2	2	2
52.5°	4	4	4	4	3	3	3	3	3	3	2
51.25°	4	4	4	4	4	4	3	3	3	3	3
50°	5	5	4	4	4	4	4	3	3	3	3
48.75°	5	5	5	4	4	4	4	4	4	3	3
47.5°	5	5	5	5	5	4	4	4	4	4	3
46.25°	6	5	5	5	5	5	4	4	4	4	4
45°	6	6	6	5	5	5	5	4	4	4	4
43.75°	6	6	6	6	5	5	5	5	4	4	4
42.5°	6	6	6	6	6	5	5	5	5	4	4
41.25°	6	6	6	6	6	6	5	5	5	5	4
40°	6	6	6	6	6	6	6	5	5	5	5
38.75°	6	6	6	6	6	6	6	6	5	5	5
37.5°	7	6	6	6	6	6	6	6	6	5	5
36.25°	7	7	6	6	6	6	6	6	6	6	5
35°	7	7	7	6	6	6	6	6	6	6	5



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	7	7	7	7	6	6	6	6	6	6	6
32.5°	8	7	7	7	7	6	6	6	6	6	6
31.25°	8	8	7	7	7	7	6	6	6	6	6
30°	9	8	8	7	7	7	7	6	6	6	6
28.75°	9	8	8	8	7	7	7	6	6	6	6
27.5°	10	9	8	8	8	7	7	7	6	6	6
26.25°	10	9	9	8	8	7	7	7	6	6	6
25°	10	10	9	9	8	8	7	7	7	6	6
23.75°	11	10	10	9	8	8	7	7	7	6	6
22.5°	11	11	10	9	9	8	8	7	7	7	6
21.25°	12	11	10	10	9	8	8	7	7	7	6
20°	12	11	11	10	9	9	8	8	7	7	6
18.75°	12	12	11	10	10	9	8	8	7	7	7
17.5°	13	12	11	11	10	9	8	8	7	7	7
16.25°	13	12	12	11	10	9	9	8	8	7	7
15°	14	13	12	11	10	10	9	8	8	7	7
13.75°	15	13	12	11	11	10	9	8	8	7	7
12.5°	16	14	12	12	11	10	9	9	8	7	7
11.25°	16	14	13	12	11	10	10	9	8	8	7
10°	17	15	13	12	11	10	10	9	8	8	7
8.75°	18	15	13	12	11	11	10	9	8	8	7
7.5°	20	16	14	12	12	11	10	9	8	8	7
6.25°	21	16	14	12	12	11	10	9	8	8	7
5°	22	16	14	13	12	11	10	9	9	8	7
3.75°	22	16	14	13	12	11	10	9	9	8	7
2.5°	23	17	15	13	12	11	10	9	9	8	7
1.25°	23	17	15	13	12	11	10	9	9	8	7
0°	23	17	15	13	12	11	10	10	9	8	8
-1.25°	23	17	15	13	12	11	10	9	9	8	7
-2.5°	23	17	15	13	12	11	10	9	9	8	7
-3.75°	22	16	14	13	12	11	10	9	9	8	7
-5°	22	16	14	13	12	11	10	9	9	8	7
-6.25°	21	16	14	12	12	11	10	9	8	8	7
-7.5°	20	16	14	12	12	11	10	9	8	8	7
-8.75°	18	15	13	12	11	11	10	9	8	8	7
-10°	17	15	13	12	11	10	10	9	8	8	7
-11.25°	16	14	13	12	11	10	10	9	8	8	7
-12.5°	16	14	12	12	11	10	9	9	8	7	7
-13.75°	15	13	12	11	11	10	9	8	8	7	7
-15°	14	13	12	11	10	10	9	8	8	7	7
-16.25°	13	12	12	11	10	9	9	8	8	7	7
-17.5°	13	12	11	11	10	9	8	8	7	7	7
-18.75°	12	12	11	10	10	9	8	8	7	7	7
-20°	12	11	11	10	9	9	8	8	7	7	6
-21.25°	12	11	10	10	9	8	8	7	7	7	6



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	11	11	10	9	9	8	8	7	7	7	6
-23.75°	11	10	10	9	8	8	7	7	7	6	6
-25°	10	10	9	9	8	8	7	7	7	6	6
-26.25°	10	9	9	8	8	7	7	7	6	6	6
-27.5°	10	9	8	8	8	7	7	7	6	6	6
-28.75°	9	8	8	8	7	7	7	6	6	6	6
-30°	9	8	8	7	7	7	7	6	6	6	6
-31.25°	8	8	7	7	7	7	6	6	6	6	6
-32.5°	8	7	7	7	7	6	6	6	6	6	6
-33.75°	7	7	7	7	6	6	6	6	6	6	6
-35°	7	7	7	6	6	6	6	6	6	6	5
-36.25°	7	7	6	6	6	6	6	6	6	6	5
-37.5°	7	6	6	6	6	6	6	6	6	5	5
-38.75°	6	6	6	6	6	6	6	6	5	5	5
-40°	6	6	6	6	6	6	6	5	5	5	5
-41.25°	6	6	6	6	6	6	5	5	5	5	4
-42.5°	6	6	6	6	6	5	5	5	5	4	4
-43.75°	6	6	6	6	5	5	5	5	4	4	4
-45°	6	6	6	5	5	5	5	4	4	4	4
-46.25°	6	5	5	5	5	5	4	4	4	4	4
-47.5°	5	5	5	5	5	4	4	4	4	4	3
-48.75°	5	5	5	4	4	4	4	4	4	3	3
-50°	5	5	4	4	4	4	4	3	3	3	3
-51.25°	4	4	4	4	4	4	3	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	3	2
-53.75°	4	4	4	3	3	3	3	3	2	2	2
-55°	4	3	3	3	3	3	3	2	2	2	2
-56.25°	3	3	3	3	3	2	2	2	2	2	2
-57.5°	3	3	3	2	2	2	2	2	2	2	1
-58.75°	3	2	2	2	2	2	2	2	1	1	1
-60°	2	2	2	2	2	2	1	1	1	1	1
-61.25°	2	2	2	2	1	1	1	1	1	1	1
-62.5°	2	2	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	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°	1	1	1	1	1	1	1	1	0	0	0
57.5°	1	1	1	1	1	1	1	1	1	0	0
56.25°	1	1	1	1	1	1	1	1	1	1	0
55°	2	2	1	1	1	1	1	1	1	1	1
53.75°	2	2	2	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	1	1	1	1	1	1	1
51.25°	2	2	2	2	2	1	1	1	1	1	1
50°	3	2	2	2	2	2	1	1	1	1	1
48.75°	3	3	2	2	2	2	2	1	1	1	1
47.5°	3	3	3	2	2	2	2	1	1	1	1
46.25°	3	3	3	3	2	2	2	2	1	1	1
45°	4	3	3	3	3	2	2	2	2	1	1
43.75°	4	4	3	3	3	2	2	2	2	1	1
42.5°	4	4	3	3	3	3	2	2	2	2	1
41.25°	4	4	4	3	3	3	3	2	2	2	1
40°	4	4	4	4	3	3	3	2	2	2	2
38.75°	5	4	4	4	3	3	3	3	2	2	2
37.5°	5	4	4	4	4	3	3	3	2	2	2
36.25°	5	5	4	4	4	4	3	3	3	2	2
35°	5	5	5	4	4	4	3	3	3	2	2



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	5	5	5	4	4	4	4	3	3	3	2
32.5°	6	5	5	5	4	4	4	3	3	3	2
31.25°	6	5	5	5	4	4	4	3	3	3	2
30°	6	6	5	5	5	4	4	4	3	3	3
28.75°	6	6	5	5	5	4	4	4	3	3	3
27.5°	6	6	6	5	5	5	4	4	4	3	3
26.25°	6	6	6	5	5	5	4	4	4	3	3
25°	6	6	6	5	5	5	4	4	4	3	3
23.75°	6	6	6	6	5	5	5	4	4	3	3
22.5°	6	6	6	6	5	5	5	4	4	4	3
21.25°	6	6	6	6	5	5	5	4	4	4	3
20°	6	6	6	6	6	5	5	4	4	4	3
18.75°	6	6	6	6	6	5	5	5	4	4	3
17.5°	6	6	6	6	6	5	5	5	4	4	4
16.25°	6	6	6	6	6	5	5	5	4	4	4
15°	7	6	6	6	6	6	5	5	4	4	4
13.75°	7	6	6	6	6	6	5	5	4	4	4
12.5°	7	6	6	6	6	6	5	5	5	4	4
11.25°	7	6	6	6	6	6	5	5	5	4	4
10°	7	6	6	6	6	6	5	5	5	4	4
8.75°	7	7	6	6	6	6	5	5	5	4	4
7.5°	7	7	6	6	6	6	5	5	5	4	4
6.25°	7	7	6	6	6	6	6	5	5	4	4
5°	7	7	6	6	6	6	6	5	5	4	4
3.75°	7	7	6	6	6	6	6	5	5	4	4
2.5°	7	7	6	6	6	6	6	5	5	4	4
1.25°	7	7	6	6	6	6	6	5	5	4	4
0°	7	7	6	6	6	6	6	5	5	4	4
-1.25°	7	7	6	6	6	6	6	5	5	4	4
-2.5°	7	7	6	6	6	6	6	5	5	4	4
-3.75°	7	7	6	6	6	6	6	5	5	4	4
-5°	7	7	6	6	6	6	6	5	5	4	4
-6.25°	7	7	6	6	6	6	6	5	5	4	4
-7.5°	7	7	6	6	6	6	5	5	5	4	4
-8.75°	7	7	6	6	6	6	5	5	5	4	4
-10°	7	6	6	6	6	6	5	5	5	4	4
-11.25°	7	6	6	6	6	6	5	5	5	4	4
-12.5°	7	6	6	6	6	6	5	5	5	4	4
-13.75°	7	6	6	6	6	6	5	5	4	4	4
-15°	7	6	6	6	6	6	5	5	4	4	4
-16.25°	6	6	6	6	6	5	5	5	4	4	4
-17.5°	6	6	6	6	6	5	5	5	4	4	4
-18.75°	6	6	6	6	6	5	5	5	4	4	3
-20°	6	6	6	6	6	5	5	4	4	4	3
-21.25°	6	6	6	6	5	5	5	4	4	4	3





REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	6	6	6	6	5	5	5	4	4	4	3
-23.75°	6	6	6	6	5	5	5	4	4	3	3
-25°	6	6	6	5	5	5	4	4	4	3	3
-26.25°	6	6	6	5	5	5	4	4	4	3	3
-27.5°	6	6	6	5	5	5	4	4	4	3	3
-28.75°	6	6	5	5	5	4	4	4	3	3	3
-30°	6	6	5	5	5	4	4	4	3	3	3
-31.25°	6	5	5	5	4	4	4	3	3	3	2
-32.5°	6	5	5	5	4	4	4	3	3	3	2
-33.75°	5	5	5	4	4	4	4	3	3	3	2
-35°	5	5	5	4	4	4	3	3	3	2	2
-36.25°	5	5	4	4	4	4	3	3	3	2	2
-37.5°	5	4	4	4	4	3	3	3	2	2	2
-38.75°	5	4	4	4	3	3	3	3	2	2	2
-40°	4	4	4	4	3	3	3	2	2	2	2
-41.25°	4	4	4	3	3	3	3	2	2	2	1
-42.5°	4	4	3	3	3	3	2	2	2	2	1
-43.75°	4	4	3	3	3	2	2	2	2	1	1
-45°	4	3	3	3	3	2	2	2	2	1	1
-46.25°	3	3	3	3	2	2	2	2	1	1	1
-47.5°	3	3	3	2	2	2	2	1	1	1	1
-48.75°	3	3	2	2	2	2	2	1	1	1	1
-50°	3	2	2	2	2	2	1	1	1	1	1
-51.25°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-53.75°	2	2	2	1	1	1	1	1	1	1	1
-55°	2	2	1	1	1	1	1	1	1	1	1
-56.25°	1	1	1	1	1	1	1	1	1	1	0
-57.5°	1	1	1	1	1	1	1	1	1	0	0
-58.75°	1	1	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
61.25°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
58.75°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
56.25°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
53.75°	0	0	0	0	0	0	0	0	0	0	0
52.5°	1	0	0	0	0	0	0	0	0	0	0
51.25°	1	1	0	0	0	0	0	0	0	0	0
50°	1	1	0	0	0	0	0	0	0	0	0
48.75°	1	1	1	0	0	0	0	0	0	0	0
47.5°	1	1	1	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°	1	1	1	1	1	0	0	0	0	0	0
42.5°	1	1	1	1	1	0	0	0	0	0	0
41.25°	1	1	1	1	1	1	0	0	0	0	0
40°	1	1	1	1	1	1	0	0	0	0	0
38.75°	1	1	1	1	1	1	0	0	0	0	0
37.5°	2	1	1	1	1	1	1	0	0	0	0
36.25°	2	1	1	1	1	1	1	0	0	0	0
35°	2	2	1	1	1	1	1	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	2	2	1	1	1	1	1	0	0	0	0
32.5°	2	2	1	1	1	1	1	1	0	0	0
31.25°	2	2	2	1	1	1	1	1	0	0	0
30°	2	2	2	1	1	1	1	1	0	0	0
28.75°	2	2	2	1	1	1	1	1	0	0	0
27.5°	2	2	2	1	1	1	1	1	1	0	0
26.25°	3	2	2	2	1	1	1	1	1	0	0
25°	3	2	2	2	1	1	1	1	1	0	0
23.75°	3	2	2	2	1	1	1	1	1	0	0
22.5°	3	2	2	2	1	1	1	1	1	0	0
21.25°	3	3	2	2	1	1	1	1	1	0	0
20°	3	3	2	2	2	1	1	1	1	0	0
18.75°	3	3	2	2	2	1	1	1	1	0	0
17.5°	3	3	2	2	2	1	1	1	1	1	0
16.25°	3	3	2	2	2	1	1	1	1	1	0
15°	3	3	2	2	2	1	1	1	1	1	0
13.75°	3	3	3	2	2	1	1	1	1	1	0
12.5°	3	3	3	2	2	1	1	1	1	1	0
11.25°	3	3	3	2	2	1	1	1	1	1	0
10°	3	3	3	2	2	1	1	1	1	1	0
8.75°	3	3	3	2	2	2	1	1	1	1	0
7.5°	4	3	3	2	2	2	1	1	1	1	0
6.25°	4	3	3	2	2	2	1	1	1	1	0
5°	4	3	3	2	2	2	1	1	1	1	0
3.75°	4	3	3	2	2	2	1	1	1	1	0
2.5°	4	3	3	2	2	2	1	1	1	1	0
1.25°	4	3	3	2	2	2	1	1	1	1	0
0°	4	3	3	2	2	2	1	1	1	1	0
-1.25°	4	3	3	2	2	2	1	1	1	1	0
-2.5°	4	3	3	2	2	2	1	1	1	1	0
-3.75°	4	3	3	2	2	2	1	1	1	1	0
-5°	4	3	3	2	2	2	1	1	1	1	0
-6.25°	4	3	3	2	2	2	1	1	1	1	0
-7.5°	4	3	3	2	2	2	1	1	1	1	0
-8.75°	3	3	3	2	2	2	1	1	1	1	0
-10°	3	3	3	2	2	1	1	1	1	1	0
-11.25°	3	3	3	2	2	1	1	1	1	1	0
-12.5°	3	3	3	2	2	1	1	1	1	1	0
-13.75°	3	3	3	2	2	1	1	1	1	1	0
-15°	3	3	2	2	2	1	1	1	1	1	0
-16.25°	3	3	2	2	2	1	1	1	1	1	0
-17.5°	3	3	2	2	2	1	1	1	1	1	0
-18.75°	3	3	2	2	2	1	1	1	1	0	0
-20°	3	3	2	2	2	1	1	1	1	0	0
-21.25°	3	3	2	2	1	1	1	1	1	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	3	2	2	2	1	1	1	1	1	0	0
-23.75°	3	2	2	2	1	1	1	1	1	0	0
-25°	3	2	2	2	1	1	1	1	1	0	0
-26.25°	3	2	2	2	1	1	1	1	1	0	0
-27.5°	2	2	2	1	1	1	1	1	1	0	0
-28.75°	2	2	2	1	1	1	1	1	0	0	0
-30°	2	2	2	1	1	1	1	1	0	0	0
-31.25°	2	2	2	1	1	1	1	1	0	0	0
-32.5°	2	2	1	1	1	1	1	1	0	0	0
-33.75°	2	2	1	1	1	1	1	0	0	0	0
-35°	2	2	1	1	1	1	1	0	0	0	0
-36.25°	2	1	1	1	1	1	1	0	0	0	0
-37.5°	2	1	1	1	1	1	1	0	0	0	0
-38.75°	1	1	1	1	1	1	0	0	0	0	0
-40°	1	1	1	1	1	1	0	0	0	0	0
-41.25°	1	1	1	1	1	1	0	0	0	0	0
-42.5°	1	1	1	1	1	0	0	0	0	0	0
-43.75°	1	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	1	0	0	0	0	0	0	0
-46.25°	1	1	1	1	0	0	0	0	0	0	0
-47.5°	1	1	1	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: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
31.25°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
28.75°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
26.25°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
23.75°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
21.25°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
18.75°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
16.25°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
13.75°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
11.25°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
8.75°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
6.25°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
3.75°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
1.25°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-1.25°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-3.75°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-6.25°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-8.75°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-11.25°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-13.75°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-16.25°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-18.75°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0
-21.25°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	0	0
32.5°	0	0
31.25°	0	0
30°	0	0
28.75°	0	0
27.5°	0	0
26.25°	0	0
25°	0	0
23.75°	0	0
22.5°	0	0
21.25°	0	0
20°	0	0
18.75°	0	0
17.5°	0	0
16.25°	0	0
15°	0	0
13.75°	0	0
12.5°	0	0
11.25°	0	0
10°	0	0
8.75°	0	0
7.5°	0	0
6.25°	0	0
5°	0	0
3.75°	0	0
2.5°	0	0
1.25°	0	0
0°	0	0
-1.25°	0	0
-2.5°	0	0
-3.75°	0	0
-5°	0	0
-6.25°	0	0
-7.5°	0	0
-8.75°	0	0
-10°	0	0
-11.25°	0	0
-12.5°	0	0
-13.75°	0	0
-15°	0	0
-16.25°	0	0
-17.5°	0	0
-18.75°	0	0
-20°	0	0
-21.25°	0	0



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-78.75°	0	0
-80°	0	0
-81.25°	0	0
-82.5°	0	0
-83.75°	0	0
-85°	0	0
-86.25°	0	0
-87.5°	0	0
-88.75°	0	0
-90°	0	0

(END OF REPORT)