

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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,  
WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

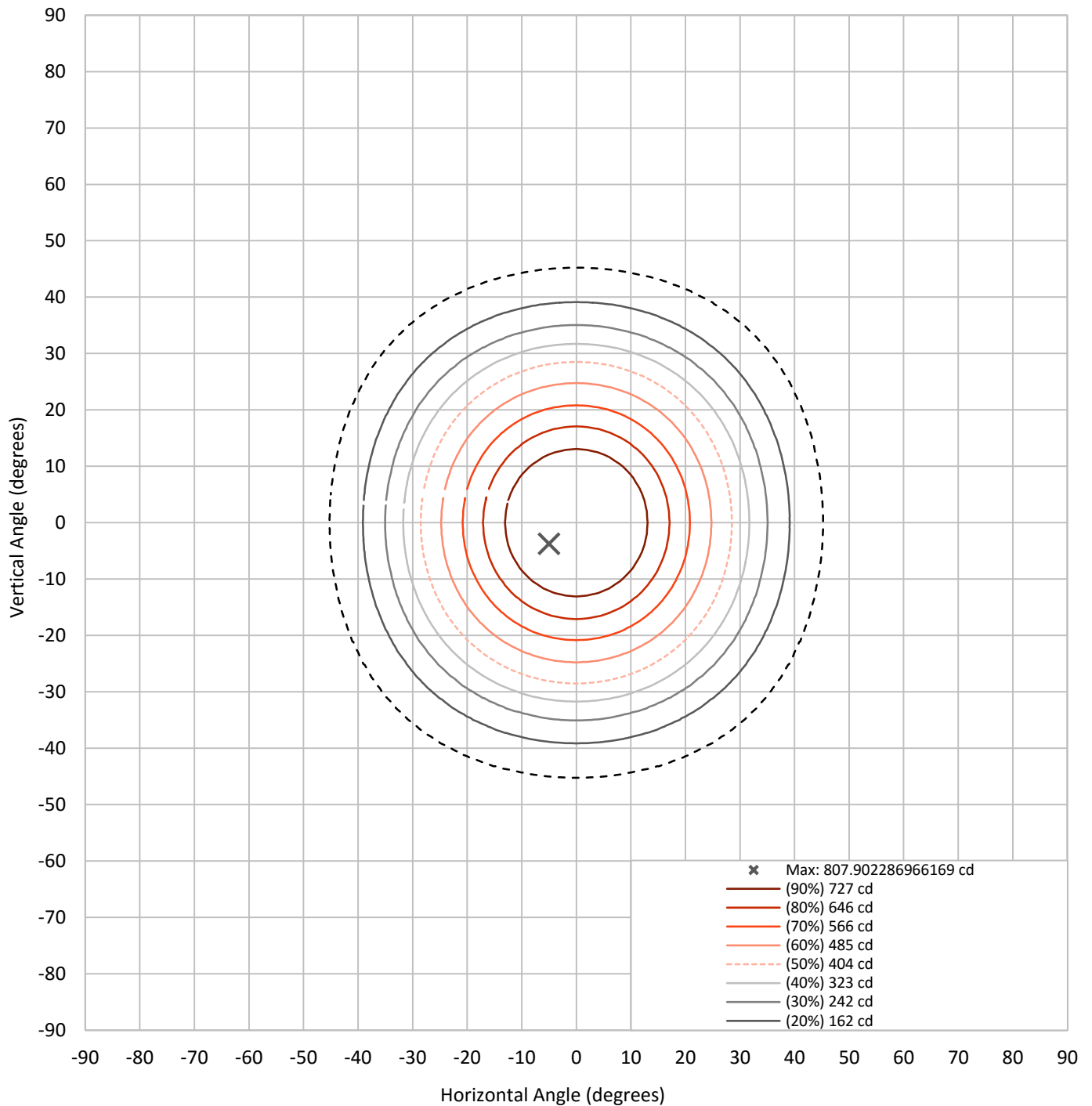
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	731.1 lumens	Max Intensity:	807.9 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	73.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.6°H x 56.3°V	Field Angle (10%):	90°H x 89.8°V
Beam Lumens:	456 lumens	Field Lumens:	681.5 lumens
Beam Efficiency:	62.4%	Field Efficiency:	93.2%

Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

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

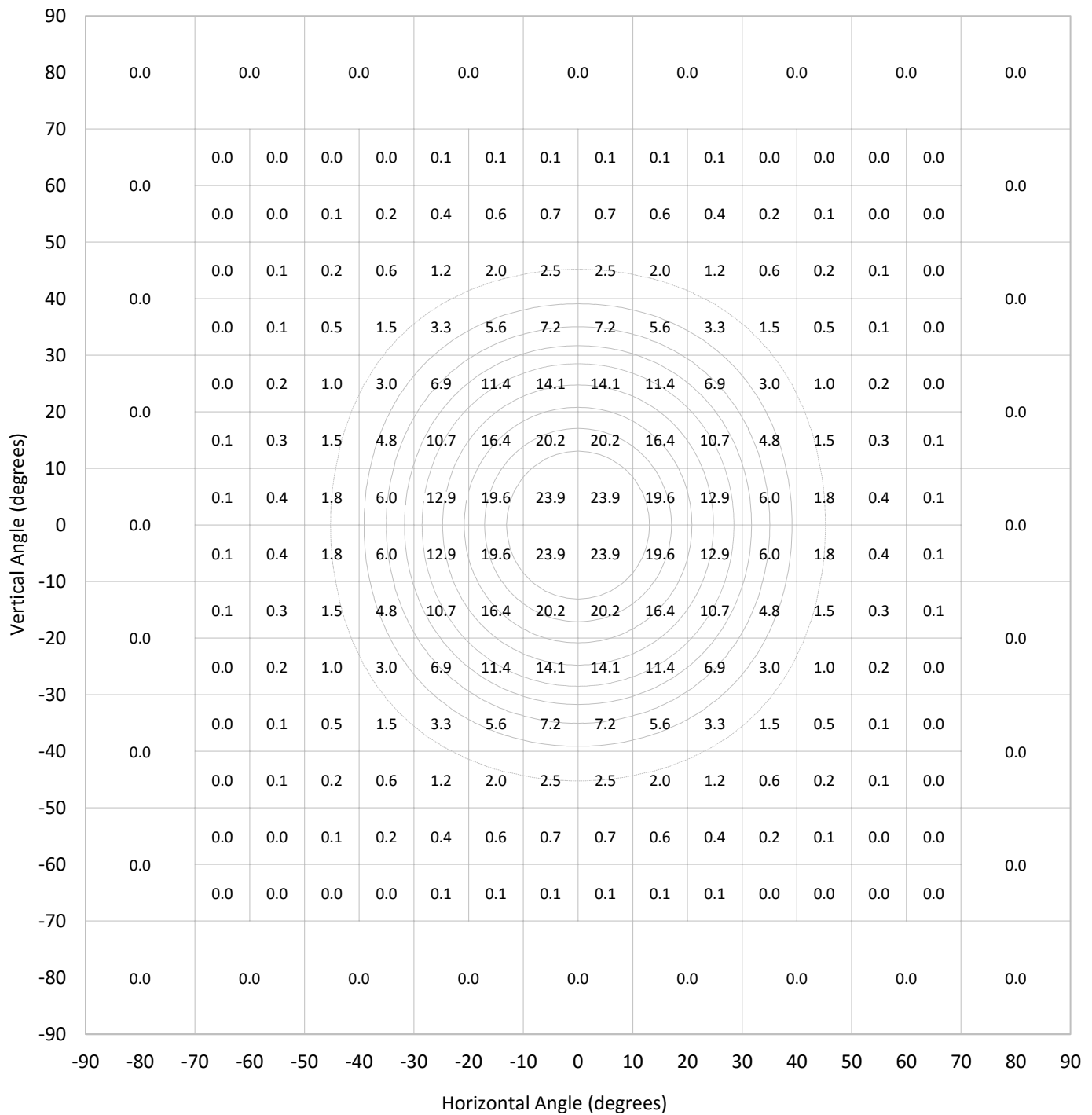
### Iso-Candela Plot





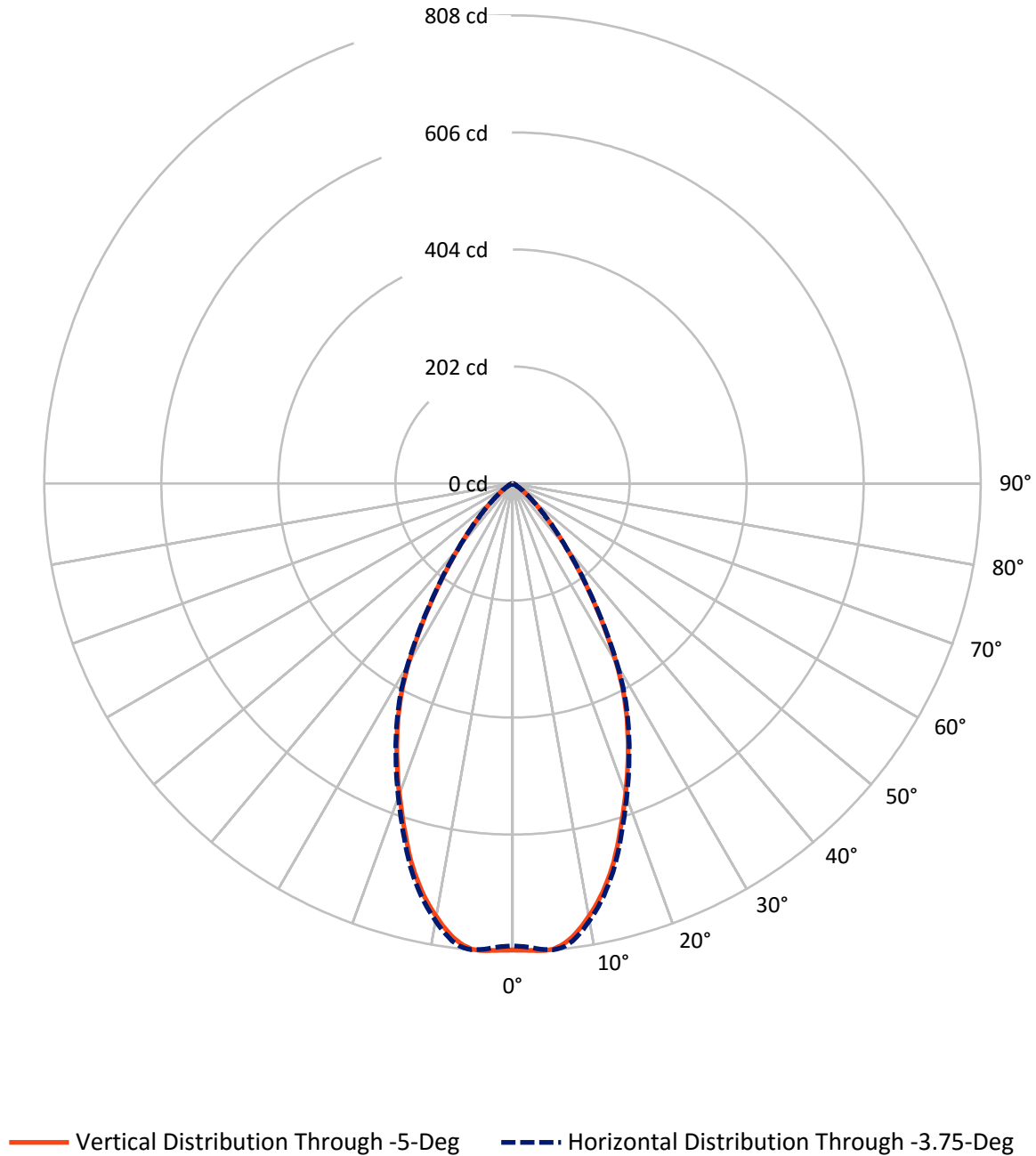
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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

### Lumen Table



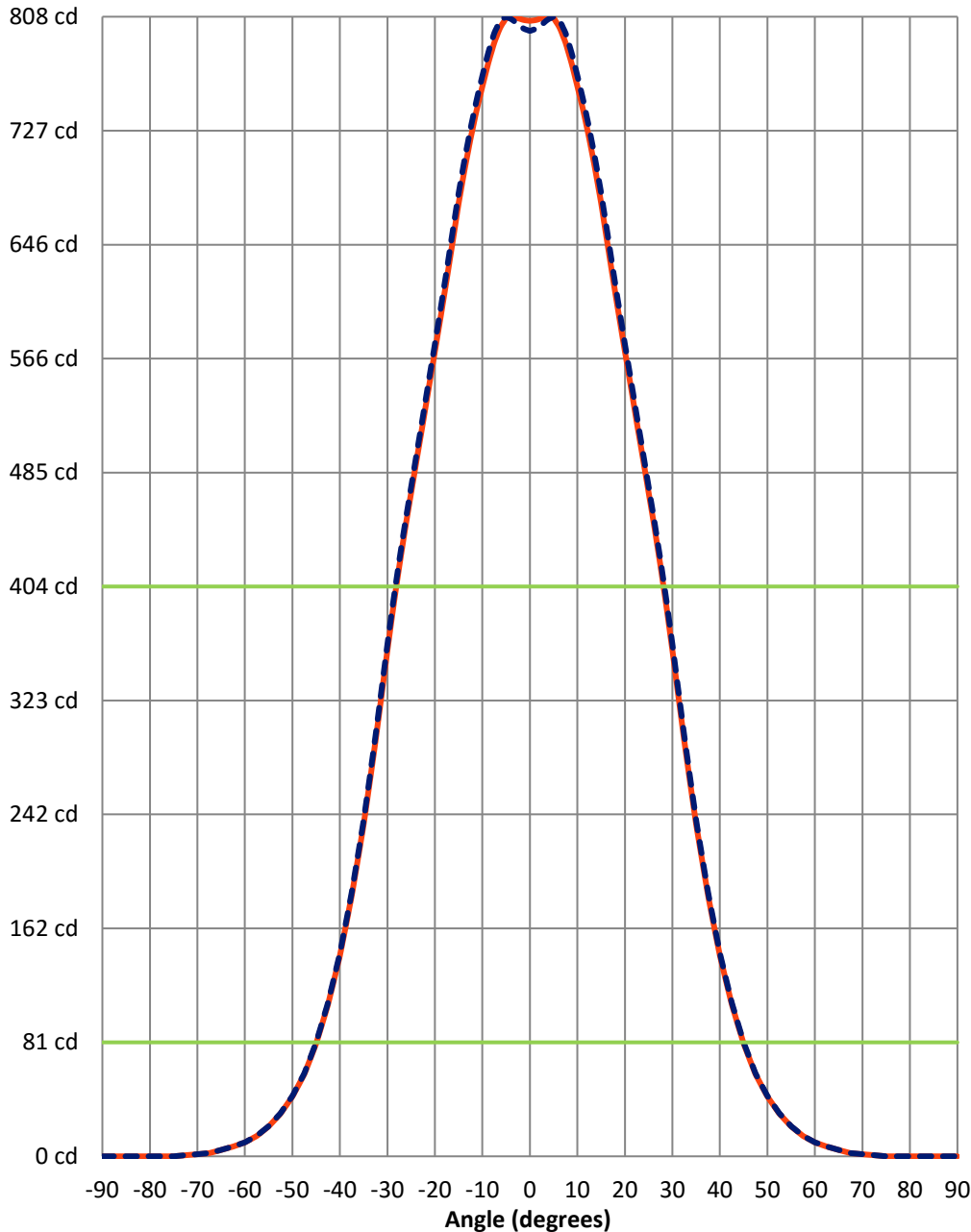
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 56.6°  
 V Angle: 56.3°  
 Lumens: 456  
 Efficiency: 62.4%

**Field:**  
 H Angle: 90°  
 V Angle: 89.8°  
 Lumens: 681.5  
 Efficiency: 93.2%

**Spill:**  
 Lumens: 49.5  
 Efficiency: 6.8%

— Vertical Distribution through -5-Deg  
 - - Horizontal Distribution through -3.75-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	0	0	0	0	0	0	1	1	1	2	2
32.5°	0	0	0	0	0	1	1	1	1	2	2
31.25°	0	0	0	0	0	1	1	1	2	2	2
30°	0	0	0	0	0	1	1	1	2	2	2
28.75°	0	0	0	0	0	1	1	1	2	2	3
27.5°	0	0	0	0	1	1	1	1	2	2	3
26.25°	0	0	0	0	1	1	1	2	2	2	3
25°	0	0	0	0	1	1	1	2	2	2	3
23.75°	0	0	0	0	1	1	1	2	2	3	4
22.5°	0	0	0	0	1	1	1	2	2	3	4
21.25°	0	0	0	0	1	1	1	2	2	3	4
20°	0	0	0	0	1	1	1	2	2	3	4
18.75°	0	0	0	0	1	1	2	2	2	3	4
17.5°	0	0	0	1	1	1	2	2	2	3	5
16.25°	0	0	0	1	1	1	2	2	3	4	5
15°	0	0	0	1	1	1	2	2	3	4	5
13.75°	0	0	0	1	1	1	2	2	3	4	5
12.5°	0	0	0	1	1	1	2	2	3	4	5
11.25°	0	0	0	1	1	1	2	2	3	4	5
10°	0	0	0	1	1	1	2	2	3	4	5
8.75°	0	0	0	1	1	1	2	2	3	4	5
7.5°	0	0	0	1	1	1	2	2	3	4	6
6.25°	0	0	0	1	1	1	2	2	3	4	6
5°	0	0	0	1	1	1	2	2	3	5	6
3.75°	0	0	0	1	1	1	2	2	3	5	6
2.5°	0	0	0	1	1	1	2	2	3	5	6
1.25°	0	0	0	1	1	1	2	2	3	5	6
0°	0	0	0	1	1	2	2	2	3	5	6
-1.25°	0	0	0	1	1	1	2	2	3	5	6
-2.5°	0	0	0	1	1	1	2	2	3	5	6
-3.75°	0	0	0	1	1	1	2	2	3	5	6
-5°	0	0	0	1	1	1	2	2	3	5	6
-6.25°	0	0	0	1	1	1	2	2	3	4	6
-7.5°	0	0	0	1	1	1	2	2	3	4	6
-8.75°	0	0	0	1	1	1	2	2	3	4	5
-10°	0	0	0	1	1	1	2	2	3	4	5
-11.25°	0	0	0	1	1	1	2	2	3	4	5
-12.5°	0	0	0	1	1	1	2	2	3	4	5
-13.75°	0	0	0	1	1	1	2	2	3	4	5
-15°	0	0	0	1	1	1	2	2	3	4	5
-16.25°	0	0	0	1	1	1	2	2	3	4	5
-17.5°	0	0	0	1	1	1	2	2	2	3	5
-18.75°	0	0	0	0	1	1	2	2	2	3	4
-20°	0	0	0	0	1	1	1	2	2	3	4
-21.25°	0	0	0	0	1	1	1	2	2	3	4



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	0	0	0	0	1	1	1	2	2	3	4
-23.75°	0	0	0	0	1	1	1	2	2	3	4
-25°	0	0	0	0	1	1	1	2	2	2	3
-26.25°	0	0	0	0	1	1	1	2	2	2	3
-27.5°	0	0	0	0	1	1	1	1	2	2	3
-28.75°	0	0	0	0	0	1	1	1	2	2	3
-30°	0	0	0	0	0	1	1	1	2	2	2
-31.25°	0	0	0	0	0	1	1	1	2	2	2
-32.5°	0	0	0	0	0	1	1	1	1	2	2
-33.75°	0	0	0	0	0	0	1	1	1	2	2
-35°	0	0	0	0	0	0	1	1	1	2	2
-36.25°	0	0	0	0	0	0	1	1	1	1	2
-37.5°	0	0	0	0	0	0	1	1	1	1	2
-38.75°	0	0	0	0	0	0	0	1	1	1	2
-40°	0	0	0	0	0	0	0	1	1	1	1
-41.25°	0	0	0	0	0	0	0	1	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-43.75°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	0	1	1
-46.25°	0	0	0	0	0	0	0	0	0	1	1
-47.5°	0	0	0	0	0	0	0	0	0	1	1
-48.75°	0	0	0	0	0	0	0	0	0	0	1
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
63.75°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	1	1
61.25°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	1	1	1	1	1
58.75°	0	0	0	0	0	1	1	1	1	1	1
57.5°	0	0	0	0	1	1	1	1	1	1	2
56.25°	0	0	0	1	1	1	1	1	1	2	2
55°	0	0	1	1	1	1	1	1	2	2	2
53.75°	0	0	1	1	1	1	1	2	2	2	2
52.5°	0	1	1	1	1	1	2	2	2	2	3
51.25°	1	1	1	1	1	2	2	2	2	3	3
50°	1	1	1	1	2	2	2	2	3	3	4
48.75°	1	1	1	2	2	2	2	3	3	4	5
47.5°	1	1	1	2	2	2	3	3	4	5	5
46.25°	1	1	2	2	2	2	3	4	5	5	6
45°	1	1	2	2	2	3	4	4	5	6	7
43.75°	1	2	2	2	3	3	4	5	6	6	7
42.5°	1	2	2	2	3	4	5	5	6	7	8
41.25°	2	2	2	3	4	4	5	6	7	8	9
40°	2	2	2	3	4	5	6	6	7	8	9
38.75°	2	2	3	4	4	5	6	7	8	9	10
37.5°	2	2	3	4	5	6	7	8	9	10	11
36.25°	2	3	3	4	5	6	7	8	9	11	12
35°	2	3	4	5	6	7	8	9	10	12	13



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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	3	4	5	6	7	8	9	11	13	14
32.5°	3	4	5	6	6	8	9	10	12	14	16
31.25°	3	4	5	6	7	8	9	11	13	14	17
30°	3	4	5	6	7	9	10	12	13	16	18
28.75°	4	5	6	7	8	9	10	12	14	17	20
27.5°	4	5	6	7	8	9	11	13	15	18	21
26.25°	4	5	6	7	9	10	12	14	16	19	22
25°	4	5	6	8	9	10	12	15	17	20	24
23.75°	5	6	7	8	9	11	13	15	18	21	25
22.5°	5	6	7	8	10	12	14	16	19	23	27
21.25°	5	6	7	9	10	12	14	17	20	24	28
20°	5	6	8	9	11	13	15	18	21	25	30
18.75°	5	7	8	9	11	13	16	19	22	27	31
17.5°	6	7	8	10	12	14	17	20	23	28	32
16.25°	6	7	8	10	12	14	17	20	24	29	34
15°	6	7	9	10	12	15	18	21	25	30	35
13.75°	6	7	9	10	13	15	18	22	26	31	37
12.5°	6	8	9	11	13	16	19	23	27	32	38
11.25°	6	8	9	11	13	16	19	23	28	33	39
10°	7	8	9	11	14	17	20	24	28	34	40
8.75°	7	8	10	12	14	17	20	24	29	34	41
7.5°	7	8	10	12	14	17	21	25	30	35	41
6.25°	7	8	10	12	14	18	21	25	30	36	42
5°	7	8	10	12	14	18	21	26	30	36	42
3.75°	7	8	10	12	15	18	21	26	31	37	43
2.5°	7	8	10	12	15	18	21	26	31	37	43
1.25°	7	8	10	12	15	18	22	26	31	37	43
0°	7	9	10	12	15	18	22	26	31	37	43
-1.25°	7	8	10	12	15	18	22	26	31	37	43
-2.5°	7	8	10	12	15	18	21	26	31	37	43
-3.75°	7	8	10	12	15	18	21	26	31	37	43
-5°	7	8	10	12	14	18	21	26	30	36	42
-6.25°	7	8	10	12	14	18	21	25	30	36	42
-7.5°	7	8	10	12	14	17	21	25	30	35	41
-8.75°	7	8	10	12	14	17	20	24	29	34	41
-10°	7	8	9	11	14	17	20	24	28	34	40
-11.25°	6	8	9	11	13	16	19	23	28	33	39
-12.5°	6	8	9	11	13	16	19	23	27	32	38
-13.75°	6	7	9	10	13	15	18	22	26	31	37
-15°	6	7	9	10	12	15	18	21	25	30	35
-16.25°	6	7	8	10	12	14	17	20	24	29	34
-17.5°	6	7	8	10	12	14	17	20	23	28	32
-18.75°	5	7	8	9	11	13	16	19	22	27	31
-20°	5	6	8	9	11	13	15	18	21	25	30
-21.25°	5	6	7	9	10	12	14	17	20	24	28





REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	5	6	7	8	10	12	14	16	19	23	27
-23.75°	5	6	7	8	9	11	13	15	18	21	25
-25°	4	5	6	8	9	10	12	15	17	20	24
-26.25°	4	5	6	7	9	10	12	14	16	19	22
-27.5°	4	5	6	7	8	9	11	13	15	18	21
-28.75°	4	5	6	7	8	9	10	12	14	17	20
-30°	3	4	5	6	7	9	10	12	13	16	18
-31.25°	3	4	5	6	7	8	9	11	13	14	17
-32.5°	3	4	5	6	6	8	9	10	12	14	16
-33.75°	2	3	4	5	6	7	8	9	11	13	14
-35°	2	3	4	5	6	7	8	9	10	12	13
-36.25°	2	3	3	4	5	6	7	8	9	11	12
-37.5°	2	2	3	4	5	6	7	8	9	10	11
-38.75°	2	2	3	4	4	5	6	7	8	9	10
-40°	2	2	2	3	4	5	6	6	7	8	9
-41.25°	2	2	2	3	4	4	5	6	7	8	9
-42.5°	1	2	2	2	3	4	5	5	6	7	8
-43.75°	1	2	2	2	3	3	4	5	6	6	7
-45°	1	1	2	2	2	3	4	4	5	6	7
-46.25°	1	1	2	2	2	2	3	4	5	5	6
-47.5°	1	1	1	2	2	2	3	3	4	5	5
-48.75°	1	1	1	2	2	2	2	3	3	4	5
-50°	1	1	1	1	2	2	2	2	3	3	4
-51.25°	1	1	1	1	1	2	2	2	2	3	3
-52.5°	0	1	1	1	1	1	2	2	2	2	3
-53.75°	0	0	1	1	1	1	1	2	2	2	2
-55°	0	0	1	1	1	1	1	1	2	2	2
-56.25°	0	0	0	1	1	1	1	1	1	2	2
-57.5°	0	0	0	0	1	1	1	1	1	1	2
-58.75°	0	0	0	0	0	1	1	1	1	1	1
-60°	0	0	0	0	0	0	1	1	1	1	1
-61.25°	0	0	0	0	0	0	0	0	1	1	1
-62.5°	0	0	0	0	0	0	0	0	0	1	1
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	1	1
67.5°	0	0	0	0	0	0	1	1	1	1	1
66.25°	0	0	0	0	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	2	2	2
62.5°	1	1	1	1	1	1	2	2	2	2	2
61.25°	1	1	1	1	2	2	2	2	2	2	3
60°	1	1	2	2	2	2	2	2	3	3	3
58.75°	2	2	2	2	2	2	3	3	4	4	4
57.5°	2	2	2	2	3	3	4	4	4	5	5
56.25°	2	2	2	3	3	4	4	5	5	6	6
55°	2	3	3	4	4	5	5	6	6	7	7
53.75°	3	3	4	4	5	5	6	6	7	8	8
52.5°	3	4	5	5	6	6	7	7	8	9	9
51.25°	4	5	5	6	6	7	8	8	9	10	11
50°	5	5	6	7	7	8	9	9	10	11	12
48.75°	5	6	7	7	8	9	10	11	12	13	14
47.5°	6	7	7	8	9	10	11	12	13	15	16
46.25°	7	7	8	9	10	11	12	14	15	17	19
45°	7	8	9	10	11	13	14	16	17	19	21
43.75°	8	9	10	11	13	14	16	18	20	22	24
42.5°	9	10	11	13	14	16	18	20	22	25	27
41.25°	10	11	12	14	16	18	20	22	25	28	30
40°	11	12	14	16	18	20	22	25	28	31	34
38.75°	12	13	15	17	20	22	25	28	31	34	38
37.5°	13	15	17	19	22	25	28	31	34	38	42
36.25°	14	16	19	21	24	27	30	34	38	42	47
35°	15	18	20	23	26	30	33	38	42	47	52



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	17	19	22	25	29	32	37	41	46	52	57
32.5°	18	21	24	28	31	36	40	45	51	56	63
31.25°	20	23	26	30	34	39	43	49	55	61	69
30°	21	25	28	32	37	42	47	53	59	68	76
28.75°	23	27	30	35	40	45	51	58	65	74	82
27.5°	25	28	33	38	43	49	55	62	71	79	90
26.25°	26	30	35	40	46	52	59	68	76	86	97
25°	28	32	37	43	49	56	64	73	82	93	104
23.75°	29	34	40	45	52	59	68	78	88	100	112
22.5°	31	36	42	48	55	63	73	82	94	106	120
21.25°	33	38	44	51	58	68	77	88	100	113	128
20°	35	40	47	54	62	72	81	94	106	120	136
18.75°	37	42	49	56	65	75	86	99	112	128	143
17.5°	38	44	51	59	69	79	91	104	118	134	151
16.25°	40	46	54	62	72	83	96	109	124	140	159
15°	41	48	56	65	75	87	100	114	130	146	167
13.75°	42	50	58	67	78	90	104	119	135	153	174
12.5°	44	52	59	70	81	94	107	123	140	159	180
11.25°	45	53	61	72	83	97	111	128	145	165	186
10°	46	54	63	74	86	100	114	131	149	170	192
8.75°	48	56	65	76	88	102	118	135	154	175	197
7.5°	49	57	67	78	90	104	120	138	157	179	202
6.25°	49	57	68	79	92	106	123	140	161	182	206
5°	50	58	69	80	94	108	125	142	163	185	210
3.75°	51	59	70	81	95	109	126	144	165	187	212
2.5°	51	59	70	81	96	110	127	145	167	189	214
1.25°	51	59	71	82	96	110	128	146	168	190	216
0°	51	60	71	82	96	111	128	146	168	190	216
-1.25°	51	59	71	82	96	110	128	146	168	190	216
-2.5°	51	59	70	81	96	110	127	145	167	189	214
-3.75°	51	59	70	81	95	109	126	144	165	187	212
-5°	50	58	69	80	94	108	125	142	163	185	210
-6.25°	49	57	68	79	92	106	123	140	161	182	206
-7.5°	49	57	67	78	90	104	120	138	157	179	202
-8.75°	48	56	65	76	88	102	118	135	154	175	197
-10°	46	54	63	74	86	100	114	131	149	170	192
-11.25°	45	53	61	72	83	97	111	128	145	165	186
-12.5°	44	52	59	70	81	94	107	123	140	159	180
-13.75°	42	50	58	67	78	90	104	119	135	153	174
-15°	41	48	56	65	75	87	100	114	130	146	167
-16.25°	40	46	54	62	72	83	96	109	124	140	159
-17.5°	38	44	51	59	69	79	91	104	118	134	151
-18.75°	37	42	49	56	65	75	86	99	112	128	143
-20°	35	40	47	54	62	72	81	94	106	120	136
-21.25°	33	38	44	51	58	68	77	88	100	113	128



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	31	36	42	48	55	63	73	82	94	106	120
-23.75°	29	34	40	45	52	59	68	78	88	100	112
-25°	28	32	37	43	49	56	64	73	82	93	104
-26.25°	26	30	35	40	46	52	59	68	76	86	97
-27.5°	25	28	33	38	43	49	55	62	71	79	90
-28.75°	23	27	30	35	40	45	51	58	65	74	82
-30°	21	25	28	32	37	42	47	53	59	68	76
-31.25°	20	23	26	30	34	39	43	49	55	61	69
-32.5°	18	21	24	28	31	36	40	45	51	56	63
-33.75°	17	19	22	25	29	32	37	41	46	52	57
-35°	15	18	20	23	26	30	33	38	42	47	52
-36.25°	14	16	19	21	24	27	30	34	38	42	47
-37.5°	13	15	17	19	22	25	28	31	34	38	42
-38.75°	12	13	15	17	20	22	25	28	31	34	38
-40°	11	12	14	16	18	20	22	25	28	31	34
-41.25°	10	11	12	14	16	18	20	22	25	28	30
-42.5°	9	10	11	13	14	16	18	20	22	25	27
-43.75°	8	9	10	11	13	14	16	18	20	22	24
-45°	7	8	9	10	11	13	14	16	17	19	21
-46.25°	7	7	8	9	10	11	12	14	15	17	19
-47.5°	6	7	7	8	9	10	11	12	13	15	16
-48.75°	5	6	7	7	8	9	10	11	12	13	14
-50°	5	5	6	7	7	8	9	9	10	11	12
-51.25°	4	5	5	6	6	7	8	8	9	10	11
-52.5°	3	4	5	5	6	6	7	7	8	9	9
-53.75°	3	3	4	4	5	5	6	6	7	8	8
-55°	2	3	3	4	4	5	5	6	6	7	7
-56.25°	2	2	2	3	3	4	4	5	5	6	6
-57.5°	2	2	2	2	3	3	4	4	4	5	5
-58.75°	2	2	2	2	2	2	3	3	4	4	4
-60°	1	1	2	2	2	2	2	2	3	3	3
-61.25°	1	1	1	1	2	2	2	2	2	2	3
-62.5°	1	1	1	1	1	1	2	2	2	2	2
-63.75°	1	1	1	1	1	1	1	1	2	2	2
-65°	0	1	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	0	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	1	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	2	2	2	2
66.25°	1	1	1	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	3	3
63.75°	2	2	2	2	2	3	3	3	3	4	4
62.5°	2	2	3	3	3	4	4	4	4	5	5
61.25°	3	3	4	4	4	5	5	5	5	6	6
60°	4	4	5	5	5	6	6	6	6	7	7
58.75°	5	5	6	6	6	7	7	7	8	8	8
57.5°	6	6	6	7	7	8	8	9	9	9	10
56.25°	7	7	8	8	9	9	9	10	10	11	12
55°	8	8	9	9	10	10	11	12	12	13	14
53.75°	9	9	10	11	12	12	13	14	15	15	16
52.5°	10	11	12	13	13	14	15	16	17	18	19
51.25°	12	13	14	14	16	17	18	19	20	21	23
50°	13	14	16	17	18	20	21	22	24	25	27
48.75°	15	17	18	20	21	23	25	26	28	29	31
47.5°	18	19	21	23	25	27	28	30	32	34	36
46.25°	20	22	24	26	28	30	33	35	37	40	42
45°	23	25	28	30	32	35	38	40	43	45	48
43.75°	26	29	31	34	37	40	43	46	49	52	55
42.5°	30	32	36	39	42	45	49	52	56	59	63
41.25°	33	37	40	43	47	51	55	59	64	68	73
40°	38	41	45	49	53	58	62	68	73	78	82
38.75°	42	46	51	55	59	65	71	76	82	88	94
37.5°	47	52	56	61	68	74	79	86	93	100	106
36.25°	52	57	63	69	76	82	90	97	104	112	120
35°	57	63	70	77	84	92	100	108	117	126	134



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	63	71	78	85	94	102	111	121	130	140	149
32.5°	70	78	86	95	104	113	124	134	144	155	167
31.25°	77	85	95	104	114	125	136	147	160	172	184
30°	84	94	104	114	126	137	149	163	176	189	203
28.75°	92	102	113	125	137	150	164	178	192	208	223
27.5°	100	111	124	136	149	164	179	194	211	227	243
26.25°	108	121	134	147	163	178	194	212	229	246	265
25°	117	130	144	160	176	192	211	229	247	267	287
23.75°	126	140	155	172	189	208	227	246	267	288	309
22.5°	134	149	167	184	203	223	243	265	287	309	332
21.25°	143	160	178	197	217	238	260	283	306	330	354
20°	152	170	189	210	231	253	277	301	326	351	375
18.75°	161	180	200	222	244	269	294	319	345	371	394
17.5°	170	189	212	234	258	284	310	337	364	388	411
16.25°	179	200	222	246	272	298	326	354	380	405	427
15°	187	209	233	258	285	313	341	369	395	420	442
13.75°	195	218	242	270	297	326	355	383	409	433	456
12.5°	203	227	252	280	309	339	368	396	422	446	468
11.25°	210	234	262	290	320	350	380	407	433	457	479
10°	216	241	270	299	330	361	390	417	443	467	490
8.75°	222	248	278	307	339	370	399	426	451	475	499
7.5°	227	255	284	315	346	378	406	434	459	483	508
6.25°	232	260	290	321	353	384	413	440	465	490	515
5°	235	264	294	326	359	390	418	445	470	496	520
3.75°	238	268	298	330	363	394	422	449	475	500	525
2.5°	240	270	301	333	366	397	425	452	477	503	528
1.25°	241	272	302	335	368	398	427	454	479	505	530
0°	242	272	303	336	369	399	428	454	480	506	531
-1.25°	241	272	302	335	368	398	427	454	479	505	530
-2.5°	240	270	301	333	366	397	425	452	477	503	528
-3.75°	238	268	298	330	363	394	422	449	475	500	525
-5°	235	264	294	326	359	390	418	445	470	496	520
-6.25°	232	260	290	321	353	384	413	440	465	490	515
-7.5°	227	255	284	315	346	378	406	434	459	483	508
-8.75°	222	248	278	307	339	370	399	426	451	475	499
-10°	216	241	270	299	330	361	390	417	443	467	490
-11.25°	210	234	262	290	320	350	380	407	433	457	479
-12.5°	203	227	252	280	309	339	368	396	422	446	468
-13.75°	195	218	242	270	297	326	355	383	409	433	456
-15°	187	209	233	258	285	313	341	369	395	420	442
-16.25°	179	200	222	246	272	298	326	354	380	405	427
-17.5°	170	189	212	234	258	284	310	337	364	388	411
-18.75°	161	180	200	222	244	269	294	319	345	371	394
-20°	152	170	189	210	231	253	277	301	326	351	375
-21.25°	143	160	178	197	217	238	260	283	306	330	354





REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	134	149	167	184	203	223	243	265	287	309	332
-23.75°	126	140	155	172	189	208	227	246	267	288	309
-25°	117	130	144	160	176	192	211	229	247	267	287
-26.25°	108	121	134	147	163	178	194	212	229	246	265
-27.5°	100	111	124	136	149	164	179	194	211	227	243
-28.75°	92	102	113	125	137	150	164	178	192	208	223
-30°	84	94	104	114	126	137	149	163	176	189	203
-31.25°	77	85	95	104	114	125	136	147	160	172	184
-32.5°	70	78	86	95	104	113	124	134	144	155	167
-33.75°	63	71	78	85	94	102	111	121	130	140	149
-35°	57	63	70	77	84	92	100	108	117	126	134
-36.25°	52	57	63	69	76	82	90	97	104	112	120
-37.5°	47	52	56	61	68	74	79	86	93	100	106
-38.75°	42	46	51	55	59	65	71	76	82	88	94
-40°	38	41	45	49	53	58	62	68	73	78	82
-41.25°	33	37	40	43	47	51	55	59	64	68	73
-42.5°	30	32	36	39	42	45	49	52	56	59	63
-43.75°	26	29	31	34	37	40	43	46	49	52	55
-45°	23	25	28	30	32	35	38	40	43	45	48
-46.25°	20	22	24	26	28	30	33	35	37	40	42
-47.5°	18	19	21	23	25	27	28	30	32	34	36
-48.75°	15	17	18	20	21	23	25	26	28	29	31
-50°	13	14	16	17	18	20	21	22	24	25	27
-51.25°	12	13	14	14	16	17	18	19	20	21	23
-52.5°	10	11	12	13	13	14	15	16	17	18	19
-53.75°	9	9	10	11	12	12	13	14	15	15	16
-55°	8	8	9	9	10	10	11	12	12	13	14
-56.25°	7	7	8	8	9	9	9	10	10	11	12
-57.5°	6	6	6	7	7	8	8	9	9	9	10
-58.75°	5	5	6	6	6	7	7	7	8	8	8
-60°	4	4	5	5	5	6	6	6	6	7	7
-61.25°	3	3	4	4	4	5	5	5	5	6	6
-62.5°	2	2	3	3	3	4	4	4	4	5	5
-63.75°	2	2	2	2	2	3	3	3	3	4	4
-65°	2	2	2	2	2	2	2	2	2	3	3
-66.25°	1	1	1	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	3	3	3	3	3	3	3
65°	3	3	3	3	4	4	4	4	4	4	4
63.75°	4	4	4	5	5	5	5	5	5	5	5
62.5°	5	5	5	6	6	6	6	6	6	7	7
61.25°	6	6	7	7	7	7	7	8	8	8	8
60°	7	8	8	8	8	9	9	9	9	9	10
58.75°	9	9	9	10	10	10	10	11	11	11	12
57.5°	10	11	11	12	12	12	13	13	13	14	14
56.25°	12	13	13	14	14	15	15	16	16	17	17
55°	14	15	16	17	17	18	18	19	19	20	20
53.75°	17	18	19	20	20	21	22	23	23	24	24
52.5°	20	21	22	23	24	25	26	27	28	28	29
51.25°	24	25	27	28	29	30	31	32	33	34	34
50°	28	30	31	32	34	35	37	38	39	40	41
48.75°	33	35	37	38	40	41	42	44	45	46	48
47.5°	38	40	42	44	46	48	50	52	53	54	56
46.25°	44	47	49	51	54	56	58	59	61	63	65
45°	51	54	56	59	62	65	67	70	72	74	76
43.75°	58	62	65	69	72	75	78	81	83	86	88
42.5°	68	72	75	79	83	87	90	94	97	100	102
41.25°	77	81	86	91	96	100	104	107	111	114	118
40°	88	94	99	104	109	114	119	123	128	131	135
38.75°	100	106	112	118	124	130	135	140	145	149	154
37.5°	113	120	128	134	140	146	153	159	165	170	175
36.25°	128	136	143	151	159	167	174	180	186	192	197
35°	143	152	161	170	179	187	195	203	210	216	222



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	160	170	180	189	200	209	218	227	234	241	248
32.5°	178	189	200	212	222	233	242	252	262	270	278
31.25°	197	210	222	234	246	258	270	280	290	299	307
30°	217	231	244	258	272	285	297	309	320	330	339
28.75°	238	253	269	284	298	313	326	339	350	361	370
27.5°	260	277	294	310	326	341	355	368	380	390	399
26.25°	283	301	319	337	354	369	383	396	407	417	426
25°	306	326	345	364	380	395	409	422	433	443	451
23.75°	330	351	371	388	405	420	433	446	457	467	475
22.5°	354	375	394	411	427	442	456	468	479	490	499
21.25°	376	396	415	433	449	464	477	490	502	513	523
20°	396	417	435	453	469	484	498	512	524	536	547
18.75°	415	435	454	471	488	504	519	533	547	559	570
17.5°	433	453	471	489	506	523	539	554	568	581	593
16.25°	449	469	488	506	524	542	559	574	589	604	617
15°	464	484	504	523	542	561	578	595	611	627	641
13.75°	477	498	519	539	559	578	597	615	633	649	666
12.5°	490	512	533	554	574	595	615	635	654	672	688
11.25°	502	524	547	568	589	611	633	654	674	692	707
10°	513	536	559	581	604	627	649	672	692	709	725
8.75°	523	547	570	593	617	641	666	688	707	725	740
7.5°	532	556	580	604	629	654	679	701	721	738	754
6.25°	539	564	588	614	640	666	691	712	732	750	765
5°	546	571	596	622	649	676	700	721	741	759	775
3.75°	551	576	602	628	656	683	707	729	748	766	783
2.5°	554	579	606	633	661	688	712	734	753	772	788
1.25°	556	582	609	636	665	691	715	737	756	775	791
0°	557	583	610	637	666	692	716	738	757	776	792
-1.25°	556	582	609	636	665	691	715	737	756	775	791
-2.5°	554	579	606	633	661	688	712	734	753	772	788
-3.75°	551	576	602	628	656	683	707	729	748	766	783
-5°	546	571	596	622	649	676	700	721	741	759	775
-6.25°	539	564	588	614	640	666	691	712	732	750	765
-7.5°	532	556	580	604	629	654	679	701	721	738	754
-8.75°	523	547	570	593	617	641	666	688	707	725	740
-10°	513	536	559	581	604	627	649	672	692	709	725
-11.25°	502	524	547	568	589	611	633	654	674	692	707
-12.5°	490	512	533	554	574	595	615	635	654	672	688
-13.75°	477	498	519	539	559	578	597	615	633	649	666
-15°	464	484	504	523	542	561	578	595	611	627	641
-16.25°	449	469	488	506	524	542	559	574	589	604	617
-17.5°	433	453	471	489	506	523	539	554	568	581	593
-18.75°	415	435	454	471	488	504	519	533	547	559	570
-20°	396	417	435	453	469	484	498	512	524	536	547
-21.25°	376	396	415	433	449	464	477	490	502	513	523



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	354	375	394	411	427	442	456	468	479	490	499
-23.75°	330	351	371	388	405	420	433	446	457	467	475
-25°	306	326	345	364	380	395	409	422	433	443	451
-26.25°	283	301	319	337	354	369	383	396	407	417	426
-27.5°	260	277	294	310	326	341	355	368	380	390	399
-28.75°	238	253	269	284	298	313	326	339	350	361	370
-30°	217	231	244	258	272	285	297	309	320	330	339
-31.25°	197	210	222	234	246	258	270	280	290	299	307
-32.5°	178	189	200	212	222	233	242	252	262	270	278
-33.75°	160	170	180	189	200	209	218	227	234	241	248
-35°	143	152	161	170	179	187	195	203	210	216	222
-36.25°	128	136	143	151	159	167	174	180	186	192	197
-37.5°	113	120	128	134	140	146	153	159	165	170	175
-38.75°	100	106	112	118	124	130	135	140	145	149	154
-40°	88	94	99	104	109	114	119	123	128	131	135
-41.25°	77	81	86	91	96	100	104	107	111	114	118
-42.5°	68	72	75	79	83	87	90	94	97	100	102
-43.75°	58	62	65	69	72	75	78	81	83	86	88
-45°	51	54	56	59	62	65	67	70	72	74	76
-46.25°	44	47	49	51	54	56	58	59	61	63	65
-47.5°	38	40	42	44	46	48	50	52	53	54	56
-48.75°	33	35	37	38	40	41	42	44	45	46	48
-50°	28	30	31	32	34	35	37	38	39	40	41
-51.25°	24	25	27	28	29	30	31	32	33	34	34
-52.5°	20	21	22	23	24	25	26	27	28	28	29
-53.75°	17	18	19	20	20	21	22	23	23	24	24
-55°	14	15	16	17	17	18	18	19	19	20	20
-56.25°	12	13	13	14	14	15	15	16	16	17	17
-57.5°	10	11	11	12	12	12	13	13	13	14	14
-58.75°	9	9	9	10	10	10	10	11	11	11	12
-60°	7	8	8	8	8	9	9	9	9	9	10
-61.25°	6	6	7	7	7	7	7	8	8	8	8
-62.5°	5	5	5	6	6	6	6	6	6	7	7
-63.75°	4	4	4	5	5	5	5	5	5	5	5
-65°	3	3	3	3	4	4	4	4	4	4	4
-66.25°	2	2	2	2	3	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	1	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	2	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	3	3	3	3	3	3	3	3	3
65°	4	4	5	5	5	5	5	5	5	5	5
63.75°	6	6	6	6	6	6	6	6	6	6	6
62.5°	7	7	7	7	7	7	7	7	7	7	7
61.25°	8	8	8	8	8	8	9	8	8	8	8
60°	10	10	10	10	10	10	10	10	10	10	10
58.75°	12	12	12	12	12	12	12	12	12	12	12
57.5°	14	14	14	15	15	15	15	15	15	15	14
56.25°	17	18	18	18	18	18	18	18	18	18	18
55°	21	21	21	21	21	22	22	22	21	21	21
53.75°	25	25	26	26	26	26	26	26	26	26	26
52.5°	30	30	30	31	31	31	31	31	31	31	30
51.25°	35	36	36	37	37	37	37	37	37	37	36
50°	41	42	42	43	43	43	43	43	43	43	42
48.75°	49	49	50	51	51	51	51	51	51	51	50
47.5°	57	57	58	59	59	59	60	59	59	59	58
46.25°	67	68	69	70	70	71	71	71	70	70	69
45°	78	79	80	81	81	82	82	82	81	81	80
43.75°	90	92	94	95	96	96	96	96	96	95	94
42.5°	104	106	108	109	110	110	111	110	110	109	108
41.25°	120	123	125	126	127	128	128	128	127	126	125
40°	138	140	142	144	145	146	146	146	145	144	142
38.75°	157	161	163	165	167	168	168	168	167	165	163
37.5°	179	182	185	187	189	190	190	190	189	187	185
36.25°	202	206	210	212	214	216	216	216	214	212	210
35°	227	232	235	238	240	241	242	241	240	238	235

REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	255	260	264	268	270	272	272	272	270	268	264
32.5°	284	290	294	298	301	302	303	302	301	298	294
31.25°	315	321	326	330	333	335	336	335	333	330	326
30°	346	353	359	363	366	368	369	368	366	363	359
28.75°	378	384	390	394	397	398	399	398	397	394	390
27.5°	406	413	418	422	425	427	428	427	425	422	418
26.25°	434	440	445	449	452	454	454	454	452	449	445
25°	459	465	470	475	477	479	480	479	477	475	470
23.75°	483	490	496	500	503	505	506	505	503	500	496
22.5°	508	515	520	525	528	530	531	530	528	525	520
21.25°	532	539	546	551	554	556	557	556	554	551	546
20°	556	564	571	576	579	582	583	582	579	576	571
18.75°	580	588	596	602	606	609	610	609	606	602	596
17.5°	604	614	622	628	633	636	637	636	633	628	622
16.25°	629	640	649	656	661	665	666	665	661	656	649
15°	654	666	676	683	688	691	692	691	688	683	676
13.75°	679	691	700	707	712	715	716	715	712	707	700
12.5°	701	712	721	729	734	737	738	737	734	729	721
11.25°	721	732	741	748	753	756	757	756	753	748	741
10°	738	750	759	766	772	775	776	775	772	766	759
8.75°	754	765	775	783	788	791	792	791	788	783	775
7.5°	767	780	790	796	801	803	804	803	801	796	790
6.25°	780	791	800	805	808	808	808	808	808	805	800
5°	790	800	807	808	807	805	805	805	807	808	807
3.75°	796	805	808	806	802	799	798	799	802	806	808
2.5°	801	808	807	802	796	791	790	791	796	802	807
1.25°	803	808	805	799	791	786	786	786	791	799	805
0°	804	808	805	798	790	786	787	786	790	798	805
-1.25°	803	808	805	799	791	786	786	786	791	799	805
-2.5°	801	808	807	802	796	791	790	791	796	802	807
-3.75°	796	805	808	806	802	799	798	799	802	806	808
-5°	790	800	807	808	807	805	805	805	807	808	807
-6.25°	780	791	800	805	808	808	808	808	808	805	800
-7.5°	767	780	790	796	801	803	804	803	801	796	790
-8.75°	754	765	775	783	788	791	792	791	788	783	775
-10°	738	750	759	766	772	775	776	775	772	766	759
-11.25°	721	732	741	748	753	756	757	756	753	748	741
-12.5°	701	712	721	729	734	737	738	737	734	729	721
-13.75°	679	691	700	707	712	715	716	715	712	707	700
-15°	654	666	676	683	688	691	692	691	688	683	676
-16.25°	629	640	649	656	661	665	666	665	661	656	649
-17.5°	604	614	622	628	633	636	637	636	633	628	622
-18.75°	580	588	596	602	606	609	610	609	606	602	596
-20°	556	564	571	576	579	582	583	582	579	576	571
-21.25°	532	539	546	551	554	556	557	556	554	551	546





REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	508	515	520	525	528	530	531	530	528	525	520
-23.75°	483	490	496	500	503	505	506	505	503	500	496
-25°	459	465	470	475	477	479	480	479	477	475	470
-26.25°	434	440	445	449	452	454	454	454	452	449	445
-27.5°	406	413	418	422	425	427	428	427	425	422	418
-28.75°	378	384	390	394	397	398	399	398	397	394	390
-30°	346	353	359	363	366	368	369	368	366	363	359
-31.25°	315	321	326	330	333	335	336	335	333	330	326
-32.5°	284	290	294	298	301	302	303	302	301	298	294
-33.75°	255	260	264	268	270	272	272	272	270	268	264
-35°	227	232	235	238	240	241	242	241	240	238	235
-36.25°	202	206	210	212	214	216	216	216	214	212	210
-37.5°	179	182	185	187	189	190	190	190	189	187	185
-38.75°	157	161	163	165	167	168	168	168	167	165	163
-40°	138	140	142	144	145	146	146	146	145	144	142
-41.25°	120	123	125	126	127	128	128	128	127	126	125
-42.5°	104	106	108	109	110	110	111	110	110	109	108
-43.75°	90	92	94	95	96	96	96	96	96	95	94
-45°	78	79	80	81	81	82	82	82	81	81	80
-46.25°	67	68	69	70	70	71	71	71	70	70	69
-47.5°	57	57	58	59	59	59	60	59	59	59	58
-48.75°	49	49	50	51	51	51	51	51	51	51	50
-50°	41	42	42	43	43	43	43	43	43	43	42
-51.25°	35	36	36	37	37	37	37	37	37	37	36
-52.5°	30	30	30	31	31	31	31	31	31	31	30
-53.75°	25	25	26	26	26	26	26	26	26	26	26
-55°	21	21	21	21	21	22	22	22	21	21	21
-56.25°	17	18	18	18	18	18	18	18	18	18	18
-57.5°	14	14	14	15	15	15	15	15	15	15	14
-58.75°	12	12	12	12	12	12	12	12	12	12	12
-60°	10	10	10	10	10	10	10	10	10	10	10
-61.25°	8	8	8	8	8	8	9	8	8	8	8
-62.5°	7	7	7	7	7	7	7	7	7	7	7
-63.75°	6	6	6	6	6	6	6	6	6	6	6
-65°	4	4	5	5	5	5	5	5	5	5	5
-66.25°	3	3	3	3	3	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	2	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	0
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	3	3	3	3	3	3	3	2	2
65°	4	4	4	4	4	4	4	4	4	3	3
63.75°	6	6	5	5	5	5	5	5	5	5	4
62.5°	7	7	7	7	6	6	6	6	6	6	5
61.25°	8	8	8	8	8	8	7	7	7	7	7
60°	10	10	10	9	9	9	9	9	8	8	8
58.75°	12	12	12	11	11	11	10	10	10	10	9
57.5°	14	14	14	14	13	13	13	12	12	12	11
56.25°	18	17	17	17	16	16	15	15	14	14	13
55°	21	21	20	20	19	19	18	18	17	17	16
53.75°	25	25	24	24	23	23	22	21	20	20	19
52.5°	30	30	29	28	28	27	26	25	24	23	22
51.25°	36	35	34	34	33	32	31	30	29	28	27
50°	42	41	41	40	39	38	37	35	34	32	31
48.75°	49	49	48	46	45	44	42	41	40	38	37
47.5°	57	57	56	54	53	52	50	48	46	44	42
46.25°	68	67	65	63	61	59	58	56	54	51	49
45°	79	78	76	74	72	70	67	65	62	59	56
43.75°	92	90	88	86	83	81	78	75	72	69	65
42.5°	106	104	102	100	97	94	90	87	83	79	75
41.25°	123	120	118	114	111	107	104	100	96	91	86
40°	140	138	135	131	128	123	119	114	109	104	99
38.75°	161	157	154	149	145	140	135	130	124	118	112
37.5°	182	179	175	170	165	159	153	146	140	134	128
36.25°	206	202	197	192	186	180	174	167	159	151	143
35°	232	227	222	216	210	203	195	187	179	170	161



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	260	255	248	241	234	227	218	209	200	189	180
32.5°	290	284	278	270	262	252	242	233	222	212	200
31.25°	321	315	307	299	290	280	270	258	246	234	222
30°	353	346	339	330	320	309	297	285	272	258	244
28.75°	384	378	370	361	350	339	326	313	298	284	269
27.5°	413	406	399	390	380	368	355	341	326	310	294
26.25°	440	434	426	417	407	396	383	369	354	337	319
25°	465	459	451	443	433	422	409	395	380	364	345
23.75°	490	483	475	467	457	446	433	420	405	388	371
22.5°	515	508	499	490	479	468	456	442	427	411	394
21.25°	539	532	523	513	502	490	477	464	449	433	415
20°	564	556	547	536	524	512	498	484	469	453	435
18.75°	588	580	570	559	547	533	519	504	488	471	454
17.5°	614	604	593	581	568	554	539	523	506	489	471
16.25°	640	629	617	604	589	574	559	542	524	506	488
15°	666	654	641	627	611	595	578	561	542	523	504
13.75°	691	679	666	649	633	615	597	578	559	539	519
12.5°	712	701	688	672	654	635	615	595	574	554	533
11.25°	732	721	707	692	674	654	633	611	589	568	547
10°	750	738	725	709	692	672	649	627	604	581	559
8.75°	765	754	740	725	707	688	666	641	617	593	570
7.5°	780	767	754	738	721	701	679	654	629	604	580
6.25°	791	780	765	750	732	712	691	666	640	614	588
5°	800	790	775	759	741	721	700	676	649	622	596
3.75°	805	796	783	766	748	729	707	683	656	628	602
2.5°	808	801	788	772	753	734	712	688	661	633	606
1.25°	808	803	791	775	756	737	715	691	665	636	609
0°	808	804	792	776	757	738	716	692	666	637	610
-1.25°	808	803	791	775	756	737	715	691	665	636	609
-2.5°	808	801	788	772	753	734	712	688	661	633	606
-3.75°	805	796	783	766	748	729	707	683	656	628	602
-5°	800	790	775	759	741	721	700	676	649	622	596
-6.25°	791	780	765	750	732	712	691	666	640	614	588
-7.5°	780	767	754	738	721	701	679	654	629	604	580
-8.75°	765	754	740	725	707	688	666	641	617	593	570
-10°	750	738	725	709	692	672	649	627	604	581	559
-11.25°	732	721	707	692	674	654	633	611	589	568	547
-12.5°	712	701	688	672	654	635	615	595	574	554	533
-13.75°	691	679	666	649	633	615	597	578	559	539	519
-15°	666	654	641	627	611	595	578	561	542	523	504
-16.25°	640	629	617	604	589	574	559	542	524	506	488
-17.5°	614	604	593	581	568	554	539	523	506	489	471
-18.75°	588	580	570	559	547	533	519	504	488	471	454
-20°	564	556	547	536	524	512	498	484	469	453	435
-21.25°	539	532	523	513	502	490	477	464	449	433	415



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	515	508	499	490	479	468	456	442	427	411	394
-23.75°	490	483	475	467	457	446	433	420	405	388	371
-25°	465	459	451	443	433	422	409	395	380	364	345
-26.25°	440	434	426	417	407	396	383	369	354	337	319
-27.5°	413	406	399	390	380	368	355	341	326	310	294
-28.75°	384	378	370	361	350	339	326	313	298	284	269
-30°	353	346	339	330	320	309	297	285	272	258	244
-31.25°	321	315	307	299	290	280	270	258	246	234	222
-32.5°	290	284	278	270	262	252	242	233	222	212	200
-33.75°	260	255	248	241	234	227	218	209	200	189	180
-35°	232	227	222	216	210	203	195	187	179	170	161
-36.25°	206	202	197	192	186	180	174	167	159	151	143
-37.5°	182	179	175	170	165	159	153	146	140	134	128
-38.75°	161	157	154	149	145	140	135	130	124	118	112
-40°	140	138	135	131	128	123	119	114	109	104	99
-41.25°	123	120	118	114	111	107	104	100	96	91	86
-42.5°	106	104	102	100	97	94	90	87	83	79	75
-43.75°	92	90	88	86	83	81	78	75	72	69	65
-45°	79	78	76	74	72	70	67	65	62	59	56
-46.25°	68	67	65	63	61	59	58	56	54	51	49
-47.5°	57	57	56	54	53	52	50	48	46	44	42
-48.75°	49	49	48	46	45	44	42	41	40	38	37
-50°	42	41	41	40	39	38	37	35	34	32	31
-51.25°	36	35	34	34	33	32	31	30	29	28	27
-52.5°	30	30	29	28	28	27	26	25	24	23	22
-53.75°	25	25	24	24	23	23	22	21	20	20	19
-55°	21	21	20	20	19	19	18	18	17	17	16
-56.25°	18	17	17	17	16	16	15	15	14	14	13
-57.5°	14	14	14	14	13	13	13	12	12	12	11
-58.75°	12	12	12	11	11	11	10	10	10	10	9
-60°	10	10	10	9	9	9	9	9	8	8	8
-61.25°	8	8	8	8	8	8	7	7	7	7	7
-62.5°	7	7	7	7	6	6	6	6	6	6	5
-63.75°	6	6	5	5	5	5	5	5	5	5	4
-65°	4	4	4	4	4	4	4	4	4	3	3
-66.25°	3	3	3	3	3	3	3	3	3	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	1	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	1
65°	3	3	3	3	2	2	2	2	2	2	2
63.75°	4	4	4	4	3	3	3	3	2	2	2
62.5°	5	5	5	5	4	4	4	4	3	3	3
61.25°	6	6	6	6	5	5	5	5	4	4	4
60°	8	7	7	7	6	6	6	6	5	5	5
58.75°	9	9	8	8	8	7	7	7	6	6	6
57.5°	11	10	10	9	9	9	8	8	7	7	6
56.25°	13	12	12	11	10	10	9	9	9	8	8
55°	15	14	14	13	12	12	11	10	10	9	9
53.75°	18	17	16	15	15	14	13	12	12	11	10
52.5°	21	20	19	18	17	16	15	14	13	13	12
51.25°	25	24	23	21	20	19	18	17	16	14	14
50°	30	28	27	25	24	22	21	20	18	17	16
48.75°	35	33	31	29	28	26	25	23	21	20	18
47.5°	40	38	36	34	32	30	28	27	25	23	21
46.25°	47	44	42	40	37	35	33	30	28	26	24
45°	54	51	48	45	43	40	38	35	32	30	28
43.75°	62	58	55	52	49	46	43	40	37	34	31
42.5°	72	68	63	59	56	52	49	45	42	39	36
41.25°	81	77	73	68	64	59	55	51	47	43	40
40°	94	88	82	78	73	68	62	58	53	49	45
38.75°	106	100	94	88	82	76	71	65	59	55	51
37.5°	120	113	106	100	93	86	79	74	68	61	56
36.25°	136	128	120	112	104	97	90	82	76	69	63
35°	152	143	134	126	117	108	100	92	84	77	70



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	170	160	149	140	130	121	111	102	94	85	78
32.5°	189	178	167	155	144	134	124	113	104	95	86
31.25°	210	197	184	172	160	147	136	125	114	104	95
30°	231	217	203	189	176	163	149	137	126	114	104
28.75°	253	238	223	208	192	178	164	150	137	125	113
27.5°	277	260	243	227	211	194	179	164	149	136	124
26.25°	301	283	265	246	229	212	194	178	163	147	134
25°	326	306	287	267	247	229	211	192	176	160	144
23.75°	351	330	309	288	267	246	227	208	189	172	155
22.5°	375	354	332	309	287	265	243	223	203	184	167
21.25°	396	376	354	330	306	283	260	238	217	197	178
20°	417	396	375	351	326	301	277	253	231	210	189
18.75°	435	415	394	371	345	319	294	269	244	222	200
17.5°	453	433	411	388	364	337	310	284	258	234	212
16.25°	469	449	427	405	380	354	326	298	272	246	222
15°	484	464	442	420	395	369	341	313	285	258	233
13.75°	498	477	456	433	409	383	355	326	297	270	242
12.5°	512	490	468	446	422	396	368	339	309	280	252
11.25°	524	502	479	457	433	407	380	350	320	290	262
10°	536	513	490	467	443	417	390	361	330	299	270
8.75°	547	523	499	475	451	426	399	370	339	307	278
7.5°	556	532	508	483	459	434	406	378	346	315	284
6.25°	564	539	515	490	465	440	413	384	353	321	290
5°	571	546	520	496	470	445	418	390	359	326	294
3.75°	576	551	525	500	475	449	422	394	363	330	298
2.5°	579	554	528	503	477	452	425	397	366	333	301
1.25°	582	556	530	505	479	454	427	398	368	335	302
0°	583	557	531	506	480	454	428	399	369	336	303
-1.25°	582	556	530	505	479	454	427	398	368	335	302
-2.5°	579	554	528	503	477	452	425	397	366	333	301
-3.75°	576	551	525	500	475	449	422	394	363	330	298
-5°	571	546	520	496	470	445	418	390	359	326	294
-6.25°	564	539	515	490	465	440	413	384	353	321	290
-7.5°	556	532	508	483	459	434	406	378	346	315	284
-8.75°	547	523	499	475	451	426	399	370	339	307	278
-10°	536	513	490	467	443	417	390	361	330	299	270
-11.25°	524	502	479	457	433	407	380	350	320	290	262
-12.5°	512	490	468	446	422	396	368	339	309	280	252
-13.75°	498	477	456	433	409	383	355	326	297	270	242
-15°	484	464	442	420	395	369	341	313	285	258	233
-16.25°	469	449	427	405	380	354	326	298	272	246	222
-17.5°	453	433	411	388	364	337	310	284	258	234	212
-18.75°	435	415	394	371	345	319	294	269	244	222	200
-20°	417	396	375	351	326	301	277	253	231	210	189
-21.25°	396	376	354	330	306	283	260	238	217	197	178





REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	375	354	332	309	287	265	243	223	203	184	167
-23.75°	351	330	309	288	267	246	227	208	189	172	155
-25°	326	306	287	267	247	229	211	192	176	160	144
-26.25°	301	283	265	246	229	212	194	178	163	147	134
-27.5°	277	260	243	227	211	194	179	164	149	136	124
-28.75°	253	238	223	208	192	178	164	150	137	125	113
-30°	231	217	203	189	176	163	149	137	126	114	104
-31.25°	210	197	184	172	160	147	136	125	114	104	95
-32.5°	189	178	167	155	144	134	124	113	104	95	86
-33.75°	170	160	149	140	130	121	111	102	94	85	78
-35°	152	143	134	126	117	108	100	92	84	77	70
-36.25°	136	128	120	112	104	97	90	82	76	69	63
-37.5°	120	113	106	100	93	86	79	74	68	61	56
-38.75°	106	100	94	88	82	76	71	65	59	55	51
-40°	94	88	82	78	73	68	62	58	53	49	45
-41.25°	81	77	73	68	64	59	55	51	47	43	40
-42.5°	72	68	63	59	56	52	49	45	42	39	36
-43.75°	62	58	55	52	49	46	43	40	37	34	31
-45°	54	51	48	45	43	40	38	35	32	30	28
-46.25°	47	44	42	40	37	35	33	30	28	26	24
-47.5°	40	38	36	34	32	30	28	27	25	23	21
-48.75°	35	33	31	29	28	26	25	23	21	20	18
-50°	30	28	27	25	24	22	21	20	18	17	16
-51.25°	25	24	23	21	20	19	18	17	16	14	14
-52.5°	21	20	19	18	17	16	15	14	13	13	12
-53.75°	18	17	16	15	15	14	13	12	12	11	10
-55°	15	14	14	13	12	12	11	10	10	9	9
-56.25°	13	12	12	11	10	10	9	9	9	8	8
-57.5°	11	10	10	9	9	9	8	8	7	7	6
-58.75°	9	9	8	8	8	7	7	7	6	6	6
-60°	8	7	7	7	6	6	6	6	5	5	5
-61.25°	6	6	6	6	5	5	5	5	4	4	4
-62.5°	5	5	5	5	4	4	4	4	3	3	3
-63.75°	4	4	4	4	3	3	3	3	2	2	2
-65°	3	3	3	3	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	1
-67.5°	2	2	2	2	2	2	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	1	0	0
65°	2	2	1	1	1	1	1	1	1	1	1
63.75°	2	2	2	2	2	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	1	1	1	1
61.25°	3	3	3	2	2	2	2	2	2	1	1
60°	4	4	3	3	3	2	2	2	2	2	2
58.75°	5	5	4	4	4	3	3	2	2	2	2
57.5°	6	6	5	5	4	4	4	3	3	2	2
56.25°	7	7	6	6	5	5	4	4	3	3	2
55°	8	8	7	7	6	6	5	5	4	4	3
53.75°	9	9	8	8	7	6	6	5	5	4	4
52.5°	11	10	9	9	8	7	7	6	6	5	5
51.25°	13	12	11	10	9	8	8	7	6	6	5
50°	14	13	12	11	10	9	9	8	7	7	6
48.75°	17	15	14	13	12	11	10	9	8	7	7
47.5°	19	18	16	15	13	12	11	10	9	8	7
46.25°	22	20	19	17	15	14	12	11	10	9	8
45°	25	23	21	19	17	16	14	13	11	10	9
43.75°	29	26	24	22	20	18	16	14	13	11	10
42.5°	32	30	27	25	22	20	18	16	14	13	11
41.25°	37	33	30	28	25	22	20	18	16	14	12
40°	41	38	34	31	28	25	22	20	18	16	14
38.75°	46	42	38	34	31	28	25	22	20	17	15
37.5°	52	47	42	38	34	31	28	25	22	19	17
36.25°	57	52	47	42	38	34	30	27	24	21	19
35°	63	57	52	47	42	38	33	30	26	23	20



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	71	63	57	52	46	41	37	32	29	25	22
32.5°	78	70	63	56	51	45	40	36	31	28	24
31.25°	85	77	69	61	55	49	43	39	34	30	26
30°	94	84	76	68	59	53	47	42	37	32	28
28.75°	102	92	82	74	65	58	51	45	40	35	30
27.5°	111	100	90	79	71	62	55	49	43	38	33
26.25°	121	108	97	86	76	68	59	52	46	40	35
25°	130	117	104	93	82	73	64	56	49	43	37
23.75°	140	126	112	100	88	78	68	59	52	45	40
22.5°	149	134	120	106	94	82	73	63	55	48	42
21.25°	160	143	128	113	100	88	77	68	58	51	44
20°	170	152	136	120	106	94	81	72	62	54	47
18.75°	180	161	143	128	112	99	86	75	65	56	49
17.5°	189	170	151	134	118	104	91	79	69	59	51
16.25°	200	179	159	140	124	109	96	83	72	62	54
15°	209	187	167	146	130	114	100	87	75	65	56
13.75°	218	195	174	153	135	119	104	90	78	67	58
12.5°	227	203	180	159	140	123	107	94	81	70	59
11.25°	234	210	186	165	145	128	111	97	83	72	61
10°	241	216	192	170	149	131	114	100	86	74	63
8.75°	248	222	197	175	154	135	118	102	88	76	65
7.5°	255	227	202	179	157	138	120	104	90	78	67
6.25°	260	232	206	182	161	140	123	106	92	79	68
5°	264	235	210	185	163	142	125	108	94	80	69
3.75°	268	238	212	187	165	144	126	109	95	81	70
2.5°	270	240	214	189	167	145	127	110	96	81	70
1.25°	272	241	216	190	168	146	128	110	96	82	71
0°	272	242	216	190	168	146	128	111	96	82	71
-1.25°	272	241	216	190	168	146	128	110	96	82	71
-2.5°	270	240	214	189	167	145	127	110	96	81	70
-3.75°	268	238	212	187	165	144	126	109	95	81	70
-5°	264	235	210	185	163	142	125	108	94	80	69
-6.25°	260	232	206	182	161	140	123	106	92	79	68
-7.5°	255	227	202	179	157	138	120	104	90	78	67
-8.75°	248	222	197	175	154	135	118	102	88	76	65
-10°	241	216	192	170	149	131	114	100	86	74	63
-11.25°	234	210	186	165	145	128	111	97	83	72	61
-12.5°	227	203	180	159	140	123	107	94	81	70	59
-13.75°	218	195	174	153	135	119	104	90	78	67	58
-15°	209	187	167	146	130	114	100	87	75	65	56
-16.25°	200	179	159	140	124	109	96	83	72	62	54
-17.5°	189	170	151	134	118	104	91	79	69	59	51
-18.75°	180	161	143	128	112	99	86	75	65	56	49
-20°	170	152	136	120	106	94	81	72	62	54	47
-21.25°	160	143	128	113	100	88	77	68	58	51	44



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	149	134	120	106	94	82	73	63	55	48	42
-23.75°	140	126	112	100	88	78	68	59	52	45	40
-25°	130	117	104	93	82	73	64	56	49	43	37
-26.25°	121	108	97	86	76	68	59	52	46	40	35
-27.5°	111	100	90	79	71	62	55	49	43	38	33
-28.75°	102	92	82	74	65	58	51	45	40	35	30
-30°	94	84	76	68	59	53	47	42	37	32	28
-31.25°	85	77	69	61	55	49	43	39	34	30	26
-32.5°	78	70	63	56	51	45	40	36	31	28	24
-33.75°	71	63	57	52	46	41	37	32	29	25	22
-35°	63	57	52	47	42	38	33	30	26	23	20
-36.25°	57	52	47	42	38	34	30	27	24	21	19
-37.5°	52	47	42	38	34	31	28	25	22	19	17
-38.75°	46	42	38	34	31	28	25	22	20	17	15
-40°	41	38	34	31	28	25	22	20	18	16	14
-41.25°	37	33	30	28	25	22	20	18	16	14	12
-42.5°	32	30	27	25	22	20	18	16	14	13	11
-43.75°	29	26	24	22	20	18	16	14	13	11	10
-45°	25	23	21	19	17	16	14	13	11	10	9
-46.25°	22	20	19	17	15	14	12	11	10	9	8
-47.5°	19	18	16	15	13	12	11	10	9	8	7
-48.75°	17	15	14	13	12	11	10	9	8	7	7
-50°	14	13	12	11	10	9	9	8	7	7	6
-51.25°	13	12	11	10	9	8	8	7	6	6	5
-52.5°	11	10	9	9	8	7	7	6	6	5	5
-53.75°	9	9	8	8	7	6	6	5	5	4	4
-55°	8	8	7	7	6	6	5	5	4	4	3
-56.25°	7	7	6	6	5	5	4	4	3	3	2
-57.5°	6	6	5	5	4	4	4	3	3	2	2
-58.75°	5	5	4	4	4	3	3	2	2	2	2
-60°	4	4	3	3	3	2	2	2	2	2	2
-61.25°	3	3	3	2	2	2	2	2	2	1	1
-62.5°	2	2	2	2	2	2	2	1	1	1	1
-63.75°	2	2	2	2	2	1	1	1	1	1	1
-65°	2	2	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	0	0	0	0
-68.75°	1	1	1	1	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	1	0	0	0	0	0	0	0	0	0	0
63.75°	1	1	0	0	0	0	0	0	0	0	0
62.5°	1	1	1	1	0	0	0	0	0	0	0
61.25°	1	1	1	1	1	0	0	0	0	0	0
60°	1	1	1	1	1	1	1	0	0	0	0
58.75°	2	2	1	1	1	1	1	1	0	0	0
57.5°	2	2	2	1	1	1	1	1	1	0	0
56.25°	2	2	2	2	1	1	1	1	1	1	0
55°	3	2	2	2	2	1	1	1	1	1	1
53.75°	3	3	2	2	2	2	1	1	1	1	1
52.5°	4	3	3	2	2	2	2	1	1	1	1
51.25°	5	4	3	3	2	2	2	2	1	1	1
50°	5	5	4	3	3	2	2	2	2	1	1
48.75°	6	5	5	4	3	3	2	2	2	2	1
47.5°	7	6	5	5	4	3	3	2	2	2	1
46.25°	7	7	6	5	5	4	3	2	2	2	2
45°	8	7	7	6	5	4	4	3	2	2	2
43.75°	9	8	7	6	6	5	4	3	3	2	2
42.5°	10	9	8	7	6	5	5	4	3	2	2
41.25°	11	10	9	8	7	6	5	4	4	3	2
40°	12	11	9	8	7	6	6	5	4	3	2
38.75°	13	12	10	9	8	7	6	5	4	4	3
37.5°	15	13	11	10	9	8	7	6	5	4	3
36.25°	16	14	12	11	9	8	7	6	5	4	3
35°	18	15	13	12	10	9	8	7	6	5	4



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	19	17	14	13	11	9	8	7	6	5	4
32.5°	21	18	16	14	12	10	9	8	6	6	5
31.25°	23	20	17	14	13	11	9	8	7	6	5
30°	25	21	18	16	13	12	10	9	7	6	5
28.75°	27	23	20	17	14	12	10	9	8	7	6
27.5°	28	25	21	18	15	13	11	9	8	7	6
26.25°	30	26	22	19	16	14	12	10	9	7	6
25°	32	28	24	20	17	15	12	10	9	8	6
23.75°	34	29	25	21	18	15	13	11	9	8	7
22.5°	36	31	27	23	19	16	14	12	10	8	7
21.25°	38	33	28	24	20	17	14	12	10	9	7
20°	40	35	30	25	21	18	15	13	11	9	8
18.75°	42	37	31	27	22	19	16	13	11	9	8
17.5°	44	38	32	28	23	20	17	14	12	10	8
16.25°	46	40	34	29	24	20	17	14	12	10	8
15°	48	41	35	30	25	21	18	15	12	10	9
13.75°	50	42	37	31	26	22	18	15	13	10	9
12.5°	52	44	38	32	27	23	19	16	13	11	9
11.25°	53	45	39	33	28	23	19	16	13	11	9
10°	54	46	40	34	28	24	20	17	14	11	9
8.75°	56	48	41	34	29	24	20	17	14	12	10
7.5°	57	49	41	35	30	25	21	17	14	12	10
6.25°	57	49	42	36	30	25	21	18	14	12	10
5°	58	50	42	36	30	26	21	18	14	12	10
3.75°	59	51	43	37	31	26	21	18	15	12	10
2.5°	59	51	43	37	31	26	21	18	15	12	10
1.25°	59	51	43	37	31	26	22	18	15	12	10
0°	60	51	43	37	31	26	22	18	15	12	10
-1.25°	59	51	43	37	31	26	22	18	15	12	10
-2.5°	59	51	43	37	31	26	21	18	15	12	10
-3.75°	59	51	43	37	31	26	21	18	15	12	10
-5°	58	50	42	36	30	26	21	18	14	12	10
-6.25°	57	49	42	36	30	25	21	18	14	12	10
-7.5°	57	49	41	35	30	25	21	17	14	12	10
-8.75°	56	48	41	34	29	24	20	17	14	12	10
-10°	54	46	40	34	28	24	20	17	14	11	9
-11.25°	53	45	39	33	28	23	19	16	13	11	9
-12.5°	52	44	38	32	27	23	19	16	13	11	9
-13.75°	50	42	37	31	26	22	18	15	13	10	9
-15°	48	41	35	30	25	21	18	15	12	10	9
-16.25°	46	40	34	29	24	20	17	14	12	10	8
-17.5°	44	38	32	28	23	20	17	14	12	10	8
-18.75°	42	37	31	27	22	19	16	13	11	9	8
-20°	40	35	30	25	21	18	15	13	11	9	8
-21.25°	38	33	28	24	20	17	14	12	10	9	7





REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	36	31	27	23	19	16	14	12	10	8	7
-23.75°	34	29	25	21	18	15	13	11	9	8	7
-25°	32	28	24	20	17	15	12	10	9	8	6
-26.25°	30	26	22	19	16	14	12	10	9	7	6
-27.5°	28	25	21	18	15	13	11	9	8	7	6
-28.75°	27	23	20	17	14	12	10	9	8	7	6
-30°	25	21	18	16	13	12	10	9	7	6	5
-31.25°	23	20	17	14	13	11	9	8	7	6	5
-32.5°	21	18	16	14	12	10	9	8	6	6	5
-33.75°	19	17	14	13	11	9	8	7	6	5	4
-35°	18	15	13	12	10	9	8	7	6	5	4
-36.25°	16	14	12	11	9	8	7	6	5	4	3
-37.5°	15	13	11	10	9	8	7	6	5	4	3
-38.75°	13	12	10	9	8	7	6	5	4	4	3
-40°	12	11	9	8	7	6	6	5	4	3	2
-41.25°	11	10	9	8	7	6	5	4	4	3	2
-42.5°	10	9	8	7	6	5	5	4	3	2	2
-43.75°	9	8	7	6	6	5	4	3	3	2	2
-45°	8	7	7	6	5	4	4	3	2	2	2
-46.25°	7	7	6	5	5	4	3	2	2	2	2
-47.5°	7	6	5	5	4	3	3	2	2	2	1
-48.75°	6	5	5	4	3	3	2	2	2	2	1
-50°	5	5	4	3	3	2	2	2	2	1	1
-51.25°	5	4	3	3	2	2	2	2	1	1	1
-52.5°	4	3	3	2	2	2	2	1	1	1	1
-53.75°	3	3	2	2	2	2	1	1	1	1	1
-55°	3	2	2	2	2	1	1	1	1	1	1
-56.25°	2	2	2	2	1	1	1	1	1	1	0
-57.5°	2	2	2	1	1	1	1	1	1	0	0
-58.75°	2	2	1	1	1	1	1	1	0	0	0
-60°	1	1	1	1	1	1	1	0	0	0	0
-61.25°	1	1	1	1	1	0	0	0	0	0	0
-62.5°	1	1	1	1	0	0	0	0	0	0	0
-63.75°	1	1	0	0	0	0	0	0	0	0	0
-65°	1	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	3	2	2	2	1	1	1	0	0	0	0
32.5°	4	3	2	2	1	1	1	1	0	0	0
31.25°	4	3	2	2	2	1	1	1	0	0	0
30°	4	3	2	2	2	1	1	1	0	0	0
28.75°	5	4	3	2	2	1	1	1	0	0	0
27.5°	5	4	3	2	2	1	1	1	1	0	0
26.25°	5	4	3	2	2	2	1	1	1	0	0
25°	5	4	3	2	2	2	1	1	1	0	0
23.75°	6	5	4	3	2	2	1	1	1	0	0
22.5°	6	5	4	3	2	2	1	1	1	0	0
21.25°	6	5	4	3	2	2	1	1	1	0	0
20°	6	5	4	3	2	2	1	1	1	0	0
18.75°	7	5	4	3	2	2	2	1	1	0	0
17.5°	7	6	5	3	2	2	2	1	1	1	0
16.25°	7	6	5	4	3	2	2	1	1	1	0
15°	7	6	5	4	3	2	2	1	1	1	0
13.75°	7	6	5	4	3	2	2	1	1	1	0
12.5°	8	6	5	4	3	2	2	1	1	1	0
11.25°	8	6	5	4	3	2	2	1	1	1	0
10°	8	7	5	4	3	2	2	1	1	1	0
8.75°	8	7	5	4	3	2	2	1	1	1	0
7.5°	8	7	6	4	3	2	2	1	1	1	0
6.25°	8	7	6	4	3	2	2	1	1	1	0
5°	8	7	6	5	3	2	2	1	1	1	0
3.75°	8	7	6	5	3	2	2	1	1	1	0
2.5°	8	7	6	5	3	2	2	1	1	1	0
1.25°	8	7	6	5	3	2	2	1	1	1	0
0°	9	7	6	5	3	2	2	2	1	1	0
-1.25°	8	7	6	5	3	2	2	1	1	1	0
-2.5°	8	7	6	5	3	2	2	1	1	1	0
-3.75°	8	7	6	5	3	2	2	1	1	1	0
-5°	8	7	6	5	3	2	2	1	1	1	0
-6.25°	8	7	6	4	3	2	2	1	1	1	0
-7.5°	8	7	6	4	3	2	2	1	1	1	0
-8.75°	8	7	5	4	3	2	2	1	1	1	0
-10°	8	7	5	4	3	2	2	1	1	1	0
-11.25°	8	6	5	4	3	2	2	1	1	1	0
-12.5°	8	6	5	4	3	2	2	1	1	1	0
-13.75°	7	6	5	4	3	2	2	1	1	1	0
-15°	7	6	5	4	3	2	2	1	1	1	0
-16.25°	7	6	5	4	3	2	2	1	1	1	0
-17.5°	7	6	5	3	2	2	2	1	1	1	0
-18.75°	7	5	4	3	2	2	2	1	1	0	0
-20°	6	5	4	3	2	2	1	1	1	0	0
-21.25°	6	5	4	3	2	2	1	1	1	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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°	6	5	4	3	2	2	1	1	1	0	0
-23.75°	6	5	4	3	2	2	1	1	1	0	0
-25°	5	4	3	2	2	2	1	1	1	0	0
-26.25°	5	4	3	2	2	2	1	1	1	0	0
-27.5°	5	4	3	2	2	1	1	1	1	0	0
-28.75°	5	4	3	2	2	1	1	1	0	0	0
-30°	4	3	2	2	2	1	1	1	0	0	0
-31.25°	4	3	2	2	2	1	1	1	0	0	0
-32.5°	4	3	2	2	1	1	1	1	0	0	0
-33.75°	3	2	2	2	1	1	1	0	0	0	0
-35°	3	2	2	2	1	1	1	0	0	0	0
-36.25°	3	2	2	1	1	1	1	0	0	0	0
-37.5°	2	2	2	1	1	1	1	0	0	0	0
-38.75°	2	2	2	1	1	1	0	0	0	0	0
-40°	2	2	1	1	1	1	0	0	0	0	0
-41.25°	2	2	1	1	1	1	0	0	0	0	0
-42.5°	2	1	1	1	1	0	0	0	0	0	0
-43.75°	2	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	1	0	0	0	0	0	0	0
-46.25°	1	1	1	1	0	0	0	0	0	0	0
-47.5°	1	1	1	1	0	0	0	0	0	0	0
-48.75°	1	1	1	0	0	0	0	0	0	0	0
-50°	1	1	0	0	0	0	0	0	0	0	0
-51.25°	1	1	0	0	0	0	0	0	0	0	0
-52.5°	1	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-W-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: P220430 (CONVERTED FROM TYPE C PHOTOMETRY)

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