

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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4080-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
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]-FL-LED4080-F-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

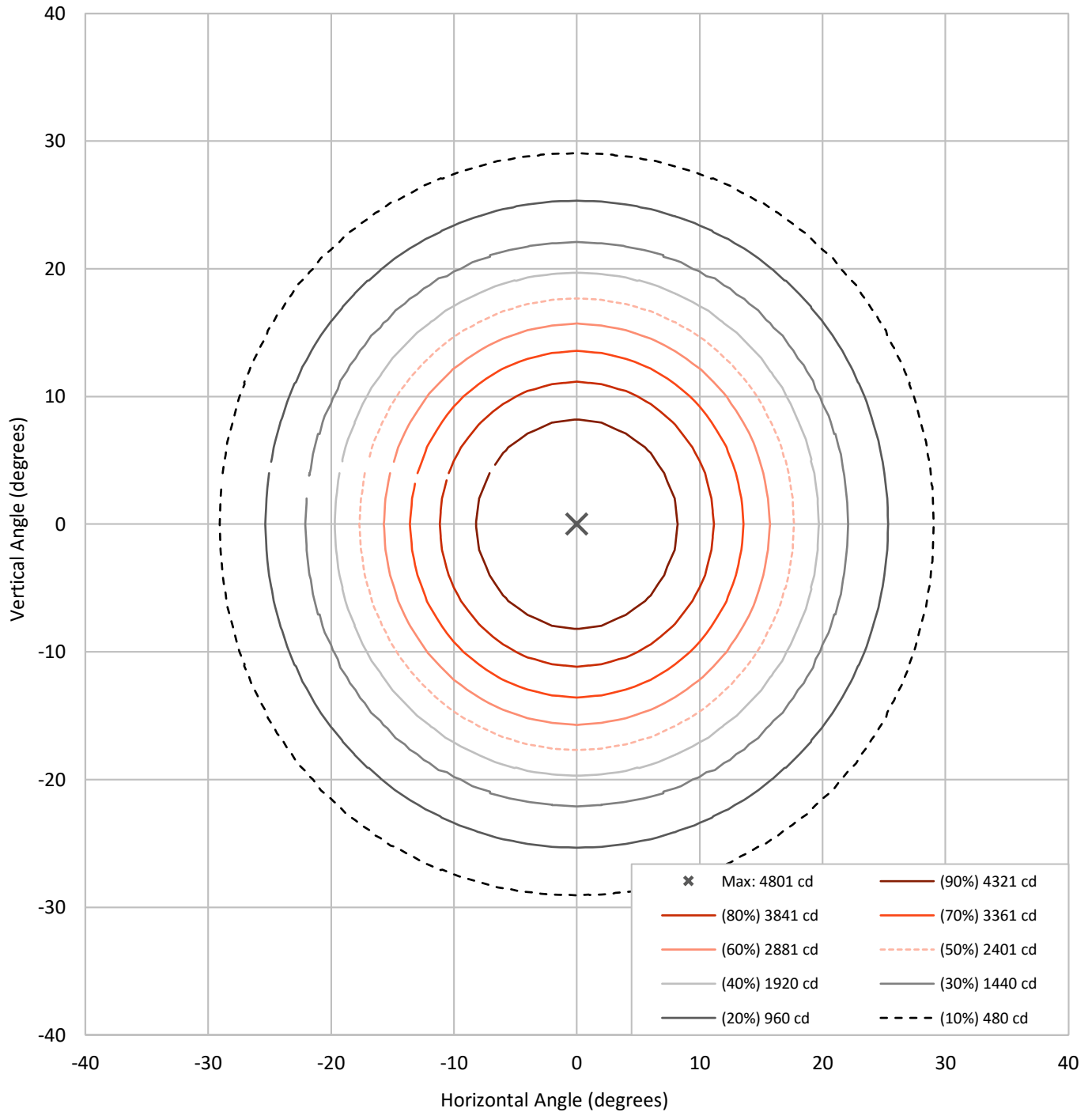
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1785.9 lumens	Max Intensity:	4801 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	88.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.4°H x 35.4°V	Field Angle (10%):	58.1°H x 58.1°V
Beam Lumens:	1069.8 lumens	Field Lumens:	1676.5 lumens
Beam Efficiency:	59.9%	Field Efficiency:	93.9%
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		

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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-BK-L2-UNV

### Iso-Candela Plot





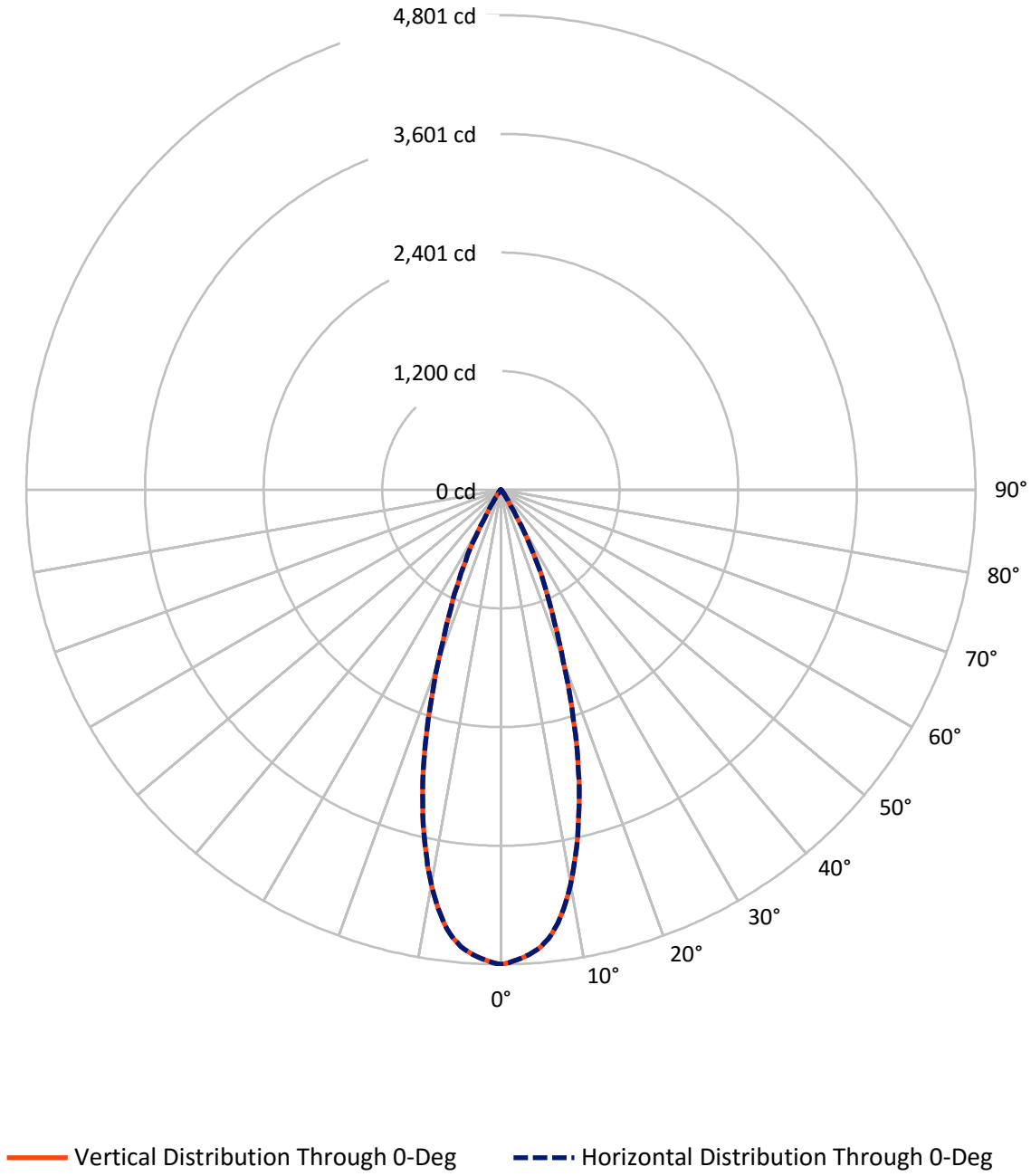
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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-BK-L2-UNV

### Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
60		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	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	0.3	0.3	0.2	0.2	0.1	0.1	0.0
40		0.0	0.1	0.1	0.2	0.5	1.6	3.1	3.1	1.6	0.5	0.2	0.1	0.1
30	0.0	0.0	0.1	0.1	0.5	3.3	15.4	28.6	28.6	15.4	3.3	0.5	0.1	0.1
20		0.0	0.1	0.2	1.3	14.5	48.8	84.2	84.2	48.8	14.5	1.3	0.2	0.1
10	0.0	0.0	0.1	0.2	2.6	26.3	81.8	130.7	130.7	81.8	26.3	2.6	0.2	0.1
0		0.0	0.1	0.2	2.6	26.3	81.8	130.7	130.7	81.8	26.3	2.6	0.2	0.1
-10	0.0	0.0	0.1	0.2	2.6	26.3	81.8	130.7	130.7	81.8	26.3	2.6	0.2	0.1
-20		0.0	0.1	0.2	1.3	14.5	48.8	84.2	84.2	48.8	14.5	1.3	0.2	0.1
-30	0.0	0.0	0.1	0.1	0.5	3.3	15.4	28.6	28.6	15.4	3.3	0.5	0.1	0.1
-40		0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
-60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
-70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
-80		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
-90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0

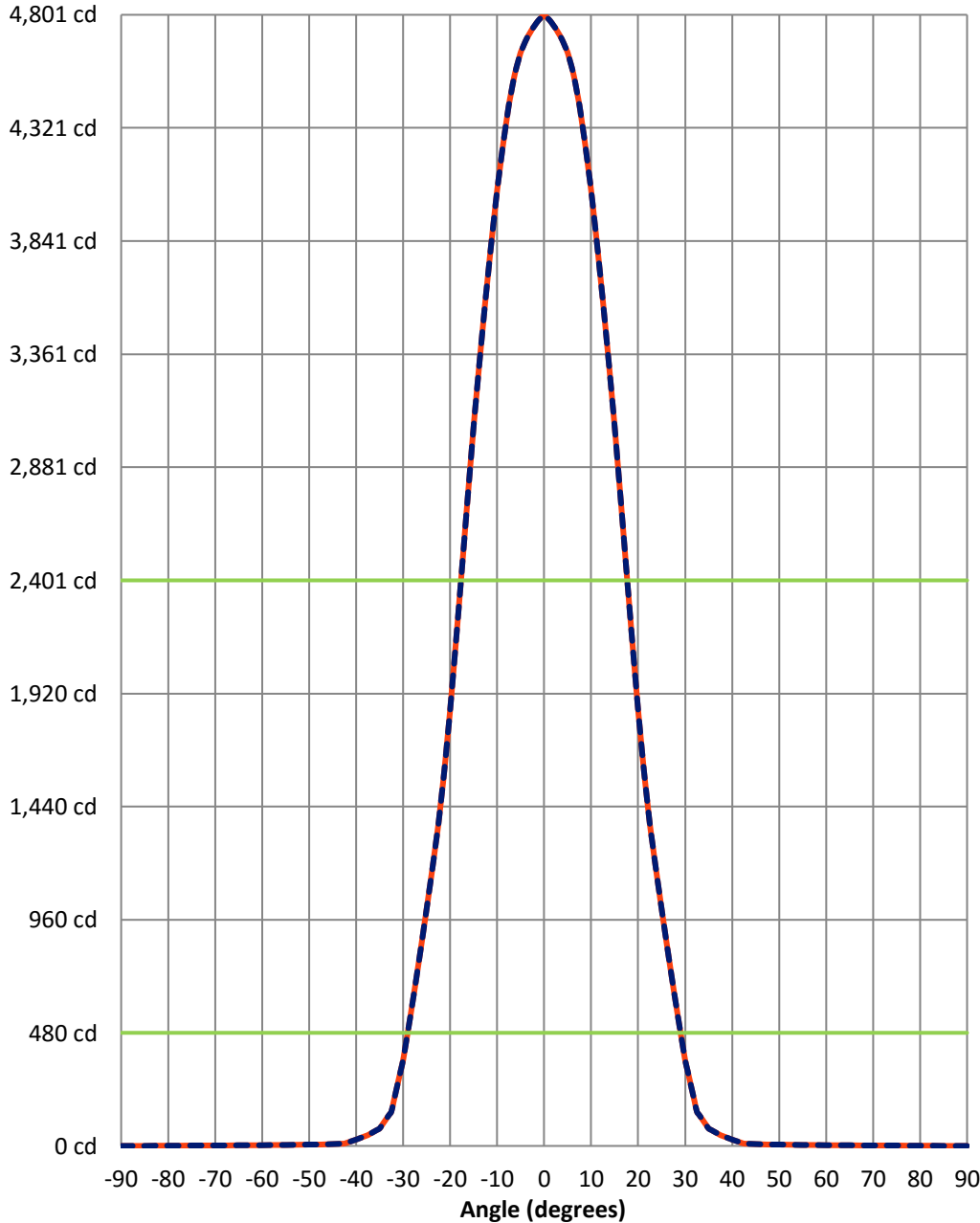
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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-BK-L2-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 35.4°  
 V Angle: 35.4°  
 Lumens: 1069.8  
 Efficiency: 59.9%

**Field:**  
 H Angle: 58.1°  
 V Angle: 58.1°  
 Lumens: 1676.5  
 Efficiency: 93.9%

**Spill:**  
 Lumens: 109.4  
 Efficiency: 6.1%

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



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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

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



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	1	1	1	1
32.5°	0	0	0	0	0	0	1	1	1	1	1
31.25°	0	0	0	0	0	0	1	1	1	1	1
30°	0	0	0	0	0	0	1	1	1	1	1
28.75°	0	0	0	0	0	0	1	1	1	1	1
27.5°	0	0	0	0	0	0	1	1	1	1	1
26.25°	0	0	0	0	0	0	1	1	1	1	1
25°	0	0	0	0	0	0	1	1	1	1	1
23.75°	0	0	0	0	0	0	1	1	1	1	1
22.5°	0	0	0	0	0	0	1	1	1	1	1
21.25°	0	0	0	0	0	0	1	1	1	1	1
20°	0	0	0	0	0	0	1	1	1	1	1
18.75°	0	0	0	0	0	0	1	1	1	1	1
17.5°	0	0	0	0	0	0	1	1	1	1	1
16.25°	0	0	0	0	0	0	1	1	1	1	1
15°	0	0	0	0	0	0	1	1	1	1	1
13.75°	0	0	0	0	0	0	1	1	1	1	1
12.5°	0	0	0	0	0	0	1	1	1	1	1
11.25°	0	0	0	0	0	0	1	1	1	1	1
10°	0	0	0	0	0	0	1	1	1	1	1
8.75°	0	0	0	0	0	0	1	1	1	1	1
7.5°	0	0	0	0	0	0	1	1	1	1	1
6.25°	0	0	0	0	0	0	1	1	1	1	1
5°	0	0	0	0	0	0	1	1	1	1	1
3.75°	0	0	0	0	0	0	1	1	1	1	1
2.5°	0	0	0	0	0	0	1	1	1	1	1
1.25°	0	0	0	0	0	0	1	1	1	1	1
0°	0	0	0	0	0	0	1	1	1	1	1
-1.25°	0	0	0	0	0	0	1	1	1	1	1
-2.5°	0	0	0	0	0	0	1	1	1	1	1
-3.75°	0	0	0	0	0	0	1	1	1	1	1
-5°	0	0	0	0	0	0	1	1	1	1	1
-6.25°	0	0	0	0	0	0	1	1	1	1	1
-7.5°	0	0	0	0	0	0	1	1	1	1	1
-8.75°	0	0	0	0	0	0	1	1	1	1	1
-10°	0	0	0	0	0	0	1	1	1	1	1
-11.25°	0	0	0	0	0	0	1	1	1	1	1
-12.5°	0	0	0	0	0	0	1	1	1	1	1
-13.75°	0	0	0	0	0	0	1	1	1	1	1
-15°	0	0	0	0	0	0	1	1	1	1	1
-16.25°	0	0	0	0	0	0	1	1	1	1	1
-17.5°	0	0	0	0	0	0	1	1	1	1	1
-18.75°	0	0	0	0	0	0	1	1	1	1	1
-20°	0	0	0	0	0	0	1	1	1	1	1
-21.25°	0	0	0	0	0	0	1	1	1	1	1





REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	1	1	1	1	1
-23.75°	0	0	0	0	0	0	1	1	1	1	1
-25°	0	0	0	0	0	0	1	1	1	1	1
-26.25°	0	0	0	0	0	0	1	1	1	1	1
-27.5°	0	0	0	0	0	0	1	1	1	1	1
-28.75°	0	0	0	0	0	0	1	1	1	1	1
-30°	0	0	0	0	0	0	1	1	1	1	1
-31.25°	0	0	0	0	0	0	1	1	1	1	1
-32.5°	0	0	0	0	0	0	1	1	1	1	1
-33.75°	0	0	0	0	0	0	0	1	1	1	1
-35°	0	0	0	0	0	0	0	1	1	1	1
-36.25°	0	0	0	0	0	0	0	1	1	1	1
-37.5°	0	0	0	0	0	0	0	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	1	1	1	1
-43.75°	0	0	0	0	0	0	0	1	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-46.25°	0	0	0	0	0	0	0	0	1	1	1
-47.5°	0	0	0	0	0	0	0	0	1	1	1
-48.75°	0	0	0	0	0	0	0	0	1	1	1
-50°	0	0	0	0	0	0	0	0	1	1	1
-51.25°	0	0	0	0	0	0	0	0	0	1	1
-52.5°	0	0	0	0	0	0	0	0	0	1	1
-53.75°	0	0	0	0	0	0	0	0	0	1	1
-55°	0	0	0	0	0	0	0	0	0	1	1
-56.25°	0	0	0	0	0	0	0	0	0	0	1
-57.5°	0	0	0	0	0	0	0	0	0	0	1
-58.75°	0	0	0	0	0	0	0	0	0	0	1
-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	1	1
73.75°	0	0	0	0	0	0	0	0	1	1	1
72.5°	0	0	0	0	0	0	1	1	1	1	1
71.25°	0	0	0	0	0	1	1	1	1	1	1
70°	0	0	0	0	1	1	1	1	1	1	1
68.75°	0	0	0	1	1	1	1	1	1	1	1
67.5°	0	0	0	1	1	1	1	1	1	1	1
66.25°	0	0	1	1	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	1	1
63.75°	0	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
56.25°	1	1	1	1	1	1	1	1	1	1	2
55°	1	1	1	1	1	1	1	1	2	2	2
53.75°	1	1	1	1	1	1	1	1	2	2	2
52.5°	1	1	1	1	1	1	1	1	2	2	2
51.25°	1	1	1	1	1	1	1	2	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	2
46.25°	1	1	1	1	1	1	2	2	2	2	2
45°	1	1	1	1	1	2	2	2	2	2	2
43.75°	1	1	1	1	1	2	2	2	2	2	2
42.5°	1	1	1	1	1	2	2	2	2	2	2
41.25°	1	1	1	1	2	2	2	2	2	2	2
40°	1	1	1	1	2	2	2	2	2	2	2
38.75°	1	1	1	1	2	2	2	2	2	2	2
37.5°	1	1	1	2	2	2	2	2	2	2	2
36.25°	1	1	1	2	2	2	2	2	2	2	2
35°	1	1	1	2	2	2	2	2	2	2	2



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	2	2	2	2	2	2	2	2
32.5°	1	1	1	2	2	2	2	2	2	2	2
31.25°	1	1	2	2	2	2	2	2	2	2	2
30°	1	1	2	2	2	2	2	2	2	2	2
28.75°	1	1	2	2	2	2	2	2	2	2	2
27.5°	1	1	2	2	2	2	2	2	2	2	2
26.25°	1	1	2	2	2	2	2	2	2	2	2
25°	1	1	2	2	2	2	2	2	2	2	2
23.75°	1	1	2	2	2	2	2	2	2	2	3
22.5°	1	2	2	2	2	2	2	2	2	2	3
21.25°	1	2	2	2	2	2	2	2	2	2	3
20°	1	2	2	2	2	2	2	2	2	2	3
18.75°	1	2	2	2	2	2	2	2	2	2	3
17.5°	1	2	2	2	2	2	2	2	2	3	3
16.25°	1	2	2	2	2	2	2	2	2	3	3
15°	1	2	2	2	2	2	2	2	2	3	3
13.75°	1	2	2	2	2	2	2	2	2	3	3
12.5°	1	2	2	2	2	2	2	2	2	3	3
11.25°	1	2	2	2	2	2	2	2	2	3	3
10°	1	2	2	2	2	2	2	2	2	3	3
8.75°	1	2	2	2	2	2	2	2	2	3	3
7.5°	1	2	2	2	2	2	2	2	2	3	3
6.25°	1	2	2	2	2	2	2	2	2	3	3
5°	1	2	2	2	2	2	2	2	2	3	3
3.75°	1	2	2	2	2	2	2	2	2	3	3
2.5°	1	2	2	2	2	2	2	2	2	3	3
1.25°	1	2	2	2	2	2	2	2	2	3	3
0°	2	2	2	2	2	2	2	2	3	3	3
-1.25°	1	2	2	2	2	2	2	2	2	3	3
-2.5°	1	2	2	2	2	2	2	2	2	3	3
-3.75°	1	2	2	2	2	2	2	2	2	3	3
-5°	1	2	2	2	2	2	2	2	2	3	3
-6.25°	1	2	2	2	2	2	2	2	2	3	3
-7.5°	1	2	2	2	2	2	2	2	2	3	3
-8.75°	1	2	2	2	2	2	2	2	2	3	3
-10°	1	2	2	2	2	2	2	2	2	3	3
-11.25°	1	2	2	2	2	2	2	2	2	3	3
-12.5°	1	2	2	2	2	2	2	2	2	3	3
-13.75°	1	2	2	2	2	2	2	2	2	3	3
-15°	1	2	2	2	2	2	2	2	2	3	3
-16.25°	1	2	2	2	2	2	2	2	2	3	3
-17.5°	1	2	2	2	2	2	2	2	2	3	3
-18.75°	1	2	2	2	2	2	2	2	2	2	3
-20°	1	2	2	2	2	2	2	2	2	2	3
-21.25°	1	2	2	2	2	2	2	2	2	2	3



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	2	2	2	2	2	2	2	2	2	3
-23.75°	1	1	2	2	2	2	2	2	2	2	3
-25°	1	1	2	2	2	2	2	2	2	2	2
-26.25°	1	1	2	2	2	2	2	2	2	2	2
-27.5°	1	1	2	2	2	2	2	2	2	2	2
-28.75°	1	1	2	2	2	2	2	2	2	2	2
-30°	1	1	2	2	2	2	2	2	2	2	2
-31.25°	1	1	2	2	2	2	2	2	2	2	2
-32.5°	1	1	1	2	2	2	2	2	2	2	2
-33.75°	1	1	1	2	2	2	2	2	2	2	2
-35°	1	1	1	2	2	2	2	2	2	2	2
-36.25°	1	1	1	2	2	2	2	2	2	2	2
-37.5°	1	1	1	2	2	2	2	2	2	2	2
-38.75°	1	1	1	1	2	2	2	2	2	2	2
-40°	1	1	1	1	2	2	2	2	2	2	2
-41.25°	1	1	1	1	2	2	2	2	2	2	2
-42.5°	1	1	1	1	1	2	2	2	2	2	2
-43.75°	1	1	1	1	1	2	2	2	2	2	2
-45°	1	1	1	1	1	2	2	2	2	2	2
-46.25°	1	1	1	1	1	1	2	2	2	2	2
-47.5°	1	1	1	1	1	1	2	2	2	2	2
-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	2	2	2	2
-52.5°	1	1	1	1	1	1	1	1	2	2	2
-53.75°	1	1	1	1	1	1	1	1	2	2	2
-55°	1	1	1	1	1	1	1	1	1	2	2
-56.25°	1	1	1	1	1	1	1	1	1	1	2
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	0	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	1	1	1	1	1	1	1	1	1
-67.5°	0	0	0	1	1	1	1	1	1	1	1
-68.75°	0	0	0	1	1	1	1	1	1	1	1
-70°	0	0	0	0	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	1	1	1
-75°	0	0	0	0	0	0	0	0	0	1	1
-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	1
78.75°	0	0	0	0	0	0	1	1	1	1	1
77.5°	0	0	0	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
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°	1	1	1	1	1	1	1	1	1	2	2
66.25°	1	1	1	1	1	1	1	2	2	2	2
65°	1	1	1	1	1	1	2	2	2	2	2
63.75°	1	1	1	1	1	2	2	2	2	2	2
62.5°	1	1	1	2	2	2	2	2	2	2	2
61.25°	1	1	2	2	2	2	2	2	2	2	2
60°	1	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	2	2
51.25°	2	2	2	2	2	2	2	2	2	2	2
50°	2	2	2	2	2	2	2	2	2	2	3
48.75°	2	2	2	2	2	2	2	2	2	3	3
47.5°	2	2	2	2	2	2	2	2	3	3	3
46.25°	2	2	2	2	2	2	2	3	3	3	3
45°	2	2	2	2	2	2	3	3	3	3	3
43.75°	2	2	2	2	2	2	3	3	3	3	3
42.5°	2	2	2	2	2	3	3	3	3	3	3
41.25°	2	2	2	2	3	3	3	3	3	3	3
40°	2	2	2	2	3	3	3	3	3	3	3
38.75°	2	2	2	3	3	3	3	3	3	3	3
37.5°	2	2	2	3	3	3	3	3	3	3	3
36.25°	2	2	3	3	3	3	3	3	3	3	3
35°	2	2	3	3	3	3	3	3	3	3	4



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	3	3	3	3	3	3	3	4	4
32.5°	2	3	3	3	3	3	3	3	3	4	4
31.25°	2	3	3	3	3	3	3	3	4	4	4
30°	2	3	3	3	3	3	3	3	4	4	4
28.75°	3	3	3	3	3	3	3	3	4	4	4
27.5°	3	3	3	3	3	3	3	4	4	4	4
26.25°	3	3	3	3	3	3	3	4	4	4	4
25°	3	3	3	3	3	3	4	4	4	4	4
23.75°	3	3	3	3	3	3	4	4	4	4	4
22.5°	3	3	3	3	3	3	4	4	4	4	5
21.25°	3	3	3	3	3	3	4	4	4	4	5
20°	3	3	3	3	3	4	4	4	4	4	5
18.75°	3	3	3	3	3	4	4	4	4	5	5
17.5°	3	3	3	3	3	4	4	4	4	5	5
16.25°	3	3	3	3	3	4	4	4	4	5	5
15°	3	3	3	3	4	4	4	4	4	5	5
13.75°	3	3	3	3	4	4	4	4	5	5	5
12.5°	3	3	3	3	4	4	4	4	5	5	6
11.25°	3	3	3	3	4	4	4	4	5	5	6
10°	3	3	3	3	4	4	4	4	5	5	6
8.75°	3	3	3	3	4	4	4	4	5	5	6
7.5°	3	3	3	3	4	4	4	4	5	5	6
6.25°	3	3	3	3	4	4	4	4	5	5	6
5°	3	3	3	3	4	4	4	4	5	5	6
3.75°	3	3	3	3	4	4	4	4	5	5	6
2.5°	3	3	3	3	4	4	4	4	5	5	6
1.25°	3	3	3	3	4	4	4	4	5	5	6
0°	3	3	3	4	4	4	4	5	5	6	6
-1.25°	3	3	3	3	4	4	4	4	5	5	6
-2.5°	3	3	3	3	4	4	4	4	5	5	6
-3.75°	3	3	3	3	4	4	4	4	5	5	6
-5°	3	3	3	3	4	4	4	4	5	5	6
-6.25°	3	3	3	3	4	4	4	4	5	5	6
-7.5°	3	3	3	3	4	4	4	4	5	5	6
-8.75°	3	3	3	3	4	4	4	4	5	5	6
-10°	3	3	3	3	4	4	4	4	5	5	6
-11.25°	3	3	3	3	4	4	4	4	5	5	6
-12.5°	3	3	3	3	4	4	4	4	5	5	6
-13.75°	3	3	3	3	4	4	4	4	5	5	5
-15°	3	3	3	3	4	4	4	4	4	5	5
-16.25°	3	3	3	3	3	4	4	4	4	5	5
-17.5°	3	3	3	3	3	4	4	4	4	5	5
-18.75°	3	3	3	3	3	4	4	4	4	5	5
-20°	3	3	3	3	3	4	4	4	4	4	5
-21.25°	3	3	3	3	3	3	4	4	4	4	5





REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	3	3	3	3	3	3	4	4	4	4	5
-23.75°	3	3	3	3	3	3	4	4	4	4	4
-25°	3	3	3	3	3	3	4	4	4	4	4
-26.25°	3	3	3	3	3	3	3	4	4	4	4
-27.5°	3	3	3	3	3	3	3	4	4	4	4
-28.75°	3	3	3	3	3	3	3	3	4	4	4
-30°	2	3	3	3	3	3	3	3	4	4	4
-31.25°	2	3	3	3	3	3	3	3	4	4	4
-32.5°	2	3	3	3	3	3	3	3	3	4	4
-33.75°	2	2	3	3	3	3	3	3	3	4	4
-35°	2	2	3	3	3	3	3	3	3	3	4
-36.25°	2	2	3	3	3	3	3	3	3	3	3
-37.5°	2	2	2	3	3	3	3	3	3	3	3
-38.75°	2	2	2	3	3	3	3	3	3	3	3
-40°	2	2	2	2	3	3	3	3	3	3	3
-41.25°	2	2	2	2	3	3	3	3	3	3	3
-42.5°	2	2	2	2	2	3	3	3	3	3	3
-43.75°	2	2	2	2	2	2	3	3	3	3	3
-45°	2	2	2	2	2	2	3	3	3	3	3
-46.25°	2	2	2	2	2	2	2	3	3	3	3
-47.5°	2	2	2	2	2	2	2	2	3	3	3
-48.75°	2	2	2	2	2	2	2	2	2	3	3
-50°	2	2	2	2	2	2	2	2	2	2	3
-51.25°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	1	2	2	2	2	2	2	2	2	2	2
-61.25°	1	1	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	2	2	2	2	2	2
-65°	1	1	1	1	1	1	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	1	1	1	1	1	1	1	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	1	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	1
-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	2	2
71.25°	1	1	1	1	1	1	2	2	2	2	2
70°	1	1	1	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	3
58.75°	2	2	2	2	2	2	2	2	3	3	3
57.5°	2	2	2	2	2	2	3	3	3	3	3
56.25°	2	2	2	2	2	3	3	3	3	3	3
55°	2	2	2	3	3	3	3	3	3	3	3
53.75°	2	2	3	3	3	3	3	3	3	3	3
52.5°	2	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	3	3	3	3	3	3	3	3	3	4	4
47.5°	3	3	3	3	3	3	3	3	4	4	4
46.25°	3	3	3	3	3	3	4	4	4	4	4
45°	3	3	3	3	3	4	4	4	4	4	4
43.75°	3	3	3	3	4	4	4	4	4	4	4
42.5°	3	3	3	4	4	4	4	4	4	4	5
41.25°	3	3	4	4	4	4	4	4	4	5	5
40°	3	3	4	4	4	4	4	4	5	5	5
38.75°	3	4	4	4	4	4	4	5	5	5	6
37.5°	4	4	4	4	4	4	5	5	5	6	6
36.25°	4	4	4	4	4	5	5	5	6	6	6
35°	4	4	4	4	5	5	5	6	6	6	6



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	4	4	4	4	5	5	5	6	6	6	6
32.5°	4	4	4	5	5	5	6	6	6	6	6
31.25°	4	4	4	5	5	6	6	6	6	6	7
30°	4	4	5	5	5	6	6	6	6	7	7
28.75°	4	5	5	5	6	6	6	6	7	7	8
27.5°	4	5	5	6	6	6	6	6	7	8	9
26.25°	5	5	5	6	6	6	6	7	8	8	9
25°	5	5	6	6	6	6	6	7	8	9	10
23.75°	5	5	6	6	6	6	7	8	8	9	11
22.5°	5	5	6	6	6	6	7	8	9	10	15
21.25°	5	6	6	6	6	7	8	8	9	11	18
20°	5	6	6	6	6	7	8	9	10	15	22
18.75°	5	6	6	6	7	7	8	9	11	18	26
17.5°	6	6	6	6	7	8	9	10	14	21	29
16.25°	6	6	6	6	7	8	9	10	17	24	33
15°	6	6	6	6	7	8	9	12	19	27	36
13.75°	6	6	6	7	8	9	10	14	22	30	39
12.5°	6	6	6	7	8	9	10	16	24	33	42
11.25°	6	6	6	7	8	9	10	18	26	35	44
10°	6	6	6	7	8	9	12	20	28	37	47
8.75°	6	6	6	7	8	9	13	22	30	39	50
7.5°	6	6	7	8	9	10	15	23	32	41	53
6.25°	6	6	7	8	9	10	16	24	33	43	55
5°	6	6	7	8	9	10	17	25	34	44	57
3.75°	6	6	7	8	9	10	18	26	35	45	58
2.5°	6	6	7	8	9	10	18	27	36	45	59
1.25°	6	6	7	8	9	10	18	27	36	46	60
0°	6	6	7	8	9	10	19	27	37	46	60
-1.25°	6	6	7	8	9	10	18	27	36	46	60
-2.5°	6	6	7	8	9	10	18	27	36	45	59
-3.75°	6	6	7	8	9	10	18	26	35	45	58
-5°	6	6	7	8	9	10	17	25	34	44	57
-6.25°	6	6	7	8	9	10	16	24	33	43	55
-7.5°	6	6	7	8	9	10	15	23	32	41	53
-8.75°	6	6	6	7	8	9	13	22	30	39	50
-10°	6	6	6	7	8	9	12	20	28	37	47
-11.25°	6	6	6	7	8	9	10	18	26	35	44
-12.5°	6	6	6	7	8	9	10	16	24	33	42
-13.75°	6	6	6	7	8	9	10	14	22	30	39
-15°	6	6	6	6	7	8	9	12	19	27	36
-16.25°	6	6	6	6	7	8	9	10	17	24	33
-17.5°	6	6	6	6	7	8	9	10	14	21	29
-18.75°	5	6	6	6	7	7	8	9	11	18	26
-20°	5	6	6	6	6	7	8	9	10	15	22
-21.25°	5	6	6	6	6	7	8	8	9	11	18



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	5	5	6	6	6	6	7	8	9	10	15
-23.75°	5	5	6	6	6	6	7	8	8	9	11
-25°	5	5	6	6	6	6	6	7	8	9	10
-26.25°	5	5	5	6	6	6	6	7	8	8	9
-27.5°	4	5	5	6	6	6	6	6	7	8	9
-28.75°	4	5	5	5	6	6	6	6	7	7	8
-30°	4	4	5	5	5	6	6	6	6	7	7
-31.25°	4	4	4	5	5	6	6	6	6	6	7
-32.5°	4	4	4	5	5	5	6	6	6	6	6
-33.75°	4	4	4	4	5	5	5	6	6	6	6
-35°	4	4	4	4	5	5	5	6	6	6	6
-36.25°	4	4	4	4	4	5	5	5	6	6	6
-37.5°	4	4	4	4	4	4	5	5	5	6	6
-38.75°	3	4	4	4	4	4	4	5	5	5	6
-40°	3	3	4	4	4	4	4	4	5	5	5
-41.25°	3	3	4	4	4	4	4	4	4	5	5
-42.5°	3	3	3	4	4	4	4	4	4	4	5
-43.75°	3	3	3	3	4	4	4	4	4	4	4
-45°	3	3	3	3	3	4	4	4	4	4	4
-46.25°	3	3	3	3	3	3	4	4	4	4	4
-47.5°	3	3	3	3	3	3	3	3	4	4	4
-48.75°	3	3	3	3	3	3	3	3	3	4	4
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	2	3	3	3	3	3	3	3	3	3	3
-53.75°	2	2	3	3	3	3	3	3	3	3	3
-55°	2	2	2	3	3	3	3	3	3	3	3
-56.25°	2	2	2	2	2	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	3
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	2	2	2	2	2	2	2	2
-71.25°	1	1	1	1	1	1	2	2	2	2	2
-72.5°	1	1	1	1	1	1	1	1	1	2	2
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	0	0	0	0	1	1	1	1	1	1	1
-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	2
73.75°	1	1	1	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	3	3
62.5°	2	2	2	2	2	3	3	3	3	3	3
61.25°	2	2	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	4	4	4
53.75°	3	3	3	3	3	3	4	4	4	4	4
52.5°	3	3	3	4	4	4	4	4	4	4	4
51.25°	3	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	5
48.75°	4	4	4	4	4	4	4	5	5	5	5
47.5°	4	4	4	4	4	5	5	5	5	5	5
46.25°	4	4	4	4	5	5	5	5	6	6	6
45°	4	4	5	5	5	5	6	6	6	6	6
43.75°	5	5	5	5	5	6	6	6	6	6	6
42.5°	5	5	5	6	6	6	6	6	6	6	6
41.25°	5	5	6	6	6	6	6	6	6	7	7
40°	6	6	6	6	6	6	6	7	7	8	8
38.75°	6	6	6	6	6	7	7	8	8	8	9
37.5°	6	6	6	6	7	7	8	8	9	9	10
36.25°	6	6	6	7	7	8	9	9	10	11	15
35°	6	6	7	8	8	9	9	10	13	17	21



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	6	7	8	8	9	9	10	15	20	24	28
32.5°	7	8	8	9	10	11	16	21	26	31	36
31.25°	8	8	9	10	12	17	22	27	33	38	43
30°	8	9	10	12	17	23	28	34	40	46	53
28.75°	9	9	11	17	23	29	35	41	47	56	64
27.5°	9	10	16	22	28	35	41	48	57	66	75
26.25°	10	15	21	27	34	41	48	58	67	79	102
25°	13	20	26	33	40	47	57	67	80	104	128
23.75°	17	24	31	38	46	56	66	79	104	129	167
22.5°	21	28	36	43	53	64	75	102	128	167	242
21.25°	25	33	41	50	61	72	96	123	158	238	316
20°	30	38	45	57	68	88	116	144	224	306	394
18.75°	34	42	52	63	77	106	135	201	288	375	486
17.5°	37	46	58	70	94	124	170	260	348	460	579
16.25°	41	51	64	79	110	141	223	315	420	544	671
15°	44	56	69	93	125	179	274	369	495	626	759
13.75°	48	61	74	107	139	224	321	435	568	705	845
12.5°	53	66	86	119	166	266	365	498	637	780	926
11.25°	57	70	97	131	202	304	419	557	702	850	1003
10°	60	74	107	142	236	339	468	612	762	916	1074
8.75°	63	82	116	161	266	372	513	662	817	975	1138
7.5°	66	89	124	186	292	409	554	707	865	1028	1194
6.25°	69	95	131	207	314	440	589	745	907	1074	1242
5°	71	101	136	224	332	466	618	777	942	1112	1282
3.75°	72	105	140	238	346	486	641	803	970	1142	1318
2.5°	73	108	144	248	357	502	658	821	990	1164	1344
1.25°	74	109	145	254	363	511	668	832	1002	1176	1360
0°	74	110	146	256	365	514	672	836	1006	1181	1365
-1.25°	74	109	145	254	363	511	668	832	1002	1176	1360
-2.5°	73	108	144	248	357	502	658	821	990	1164	1344
-3.75°	72	105	140	238	346	486	641	803	970	1142	1318
-5°	71	101	136	224	332	466	618	777	942	1112	1282
-6.25°	69	95	131	207	314	440	589	745	907	1074	1242
-7.5°	66	89	124	186	292	409	554	707	865	1028	1194
-8.75°	63	82	116	161	266	372	513	662	817	975	1138
-10°	60	74	107	142	236	339	468	612	762	916	1074
-11.25°	57	70	97	131	202	304	419	557	702	850	1003
-12.5°	53	66	86	119	166	266	365	498	637	780	926
-13.75°	48	61	74	107	139	224	321	435	568	705	845
-15°	44	56	69	93	125	179	274	369	495	626	759
-16.25°	41	51	64	79	110	141	223	315	420	544	671
-17.5°	37	46	58	70	94	124	170	260	348	460	579
-18.75°	34	42	52	63	77	106	135	201	288	375	486
-20°	30	38	45	57	68	88	116	144	224	306	394
-21.25°	25	33	41	50	61	72	96	123	158	238	316





REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	21	28	36	43	53	64	75	102	128	167	242
-23.75°	17	24	31	38	46	56	66	79	104	129	167
-25°	13	20	26	33	40	47	57	67	80	104	128
-26.25°	10	15	21	27	34	41	48	58	67	79	102
-27.5°	9	10	16	22	28	35	41	48	57	66	75
-28.75°	9	9	11	17	23	29	35	41	47	56	64
-30°	8	9	10	12	17	23	28	34	40	46	53
-31.25°	8	8	9	10	12	17	22	27	33	38	43
-32.5°	7	8	8	9	10	11	16	21	26	31	36
-33.75°	6	7	8	8	9	9	10	15	20	24	28
-35°	6	6	7	8	8	9	9	10	13	17	21
-36.25°	6	6	6	7	7	8	9	9	10	11	15
-37.5°	6	6	6	6	7	7	8	8	9	9	10
-38.75°	6	6	6	6	6	7	7	8	8	8	9
-40°	6	6	6	6	6	6	6	7	7	8	8
-41.25°	5	5	6	6	6	6	6	6	6	7	7
-42.5°	5	5	5	6	6	6	6	6	6	6	6
-43.75°	5	5	5	5	5	6	6	6	6	6	6
-45°	4	4	5	5	5	5	6	6	6	6	6
-46.25°	4	4	4	4	5	5	5	5	6	6	6
-47.5°	4	4	4	4	4	5	5	5	5	5	5
-48.75°	4	4	4	4	4	4	4	5	5	5	5
-50°	4	4	4	4	4	4	4	4	4	4	5
-51.25°	3	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	4	4	4	4	4	4	4	4
-53.75°	3	3	3	3	3	3	4	4	4	4	4
-55°	3	3	3	3	3	3	3	3	4	4	4
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	2	2	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	2	2	2	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°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	1	1	1	2	2	2	2	2	2	2	2
-75°	1	1	1	1	1	1	1	1	1	1	2
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	1	1	1	1	1	1	1	1	1
-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	3	3	3	3	3	3	3	3
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°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	4	4	4	4	4	4
56.25°	3	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	5	5	5	5	5
51.25°	4	4	5	5	5	5	5	5	5	5	5
50°	5	5	5	5	5	5	5	6	6	6	6
48.75°	5	5	5	6	6	6	6	6	6	6	6
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°	6	6	6	6	6	6	7	7	7	7	7
43.75°	6	6	7	7	7	7	8	8	8	8	8
42.5°	7	7	7	8	8	8	9	9	9	9	9
41.25°	8	8	8	9	9	9	10	10	10	12	13
40°	8	9	9	10	10	12	14	16	18	20	22
38.75°	9	10	11	14	17	19	22	24	26	28	30
37.5°	11	15	18	21	24	27	30	33	35	37	39
36.25°	18	22	26	29	33	36	39	42	44	47	50
35°	25	30	34	37	41	44	48	53	57	60	63



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	33	38	42	46	51	56	61	66	70	74	82
32.5°	41	45	52	58	64	69	74	86	97	107	116
31.25°	50	57	63	70	79	93	107	119	131	142	161
30°	61	68	77	94	110	125	139	166	202	236	266
28.75°	72	88	106	124	141	179	224	266	304	339	372
27.5°	96	116	135	170	223	274	321	365	419	468	513
26.25°	123	144	201	260	315	369	435	498	557	612	662
25°	158	224	288	348	420	495	568	637	702	762	817
23.75°	238	306	375	460	544	626	705	780	850	916	975
22.5°	316	394	486	579	671	759	845	926	1003	1074	1138
21.25°	400	500	601	701	800	895	987	1075	1157	1231	1300
20°	500	608	717	824	930	1032	1131	1223	1312	1402	1491
18.75°	601	717	832	947	1059	1168	1271	1380	1490	1604	1716
17.5°	701	824	947	1069	1187	1302	1426	1561	1698	1833	1965
16.25°	800	930	1059	1187	1313	1449	1603	1764	1925	2080	2225
15°	895	1032	1168	1302	1449	1618	1798	1981	2160	2330	2492
13.75°	987	1131	1271	1426	1603	1798	2001	2201	2397	2585	2755
12.5°	1075	1223	1380	1561	1764	1981	2201	2419	2631	2827	3003
11.25°	1157	1312	1490	1698	1925	2160	2397	2631	2851	3053	3227
10°	1231	1402	1604	1833	2080	2330	2585	2827	3053	3252	3433
8.75°	1300	1491	1716	1965	2225	2492	2755	3003	3227	3433	3617
7.5°	1369	1577	1819	2084	2357	2637	2906	3155	3383	3592	3782
6.25°	1428	1653	1913	2190	2476	2762	3036	3285	3518	3730	3925
5°	1482	1723	1993	2278	2575	2866	3140	3393	3628	3847	4044
3.75°	1528	1778	2057	2350	2653	2948	3222	3479	3716	3937	4133
2.5°	1561	1818	2104	2403	2710	3007	3281	3539	3779	4002	4199
1.25°	1581	1842	2132	2435	2744	3043	3316	3575	3818	4042	4237
0°	1588	1850	2142	2446	2756	3055	3328	3588	3831	4056	4250
-1.25°	1581	1842	2132	2435	2744	3043	3316	3575	3818	4042	4237
-2.5°	1561	1818	2104	2403	2710	3007	3281	3539	3779	4002	4199
-3.75°	1528	1778	2057	2350	2653	2948	3222	3479	3716	3937	4133
-5°	1482	1723	1993	2278	2575	2866	3140	3393	3628	3847	4044
-6.25°	1428	1653	1913	2190	2476	2762	3036	3285	3518	3730	3925
-7.5°	1369	1577	1819	2084	2357	2637	2906	3155	3383	3592	3782
-8.75°	1300	1491	1716	1965	2225	2492	2755	3003	3227	3433	3617
-10°	1231	1402	1604	1833	2080	2330	2585	2827	3053	3252	3433
-11.25°	1157	1312	1490	1698	1925	2160	2397	2631	2851	3053	3227
-12.5°	1075	1223	1380	1561	1764	1981	2201	2419	2631	2827	3003
-13.75°	987	1131	1271	1426	1603	1798	2001	2201	2397	2585	2755
-15°	895	1032	1168	1302	1449	1618	1798	1981	2160	2330	2492
-16.25°	800	930	1059	1187	1313	1449	1603	1764	1925	2080	2225
-17.5°	701	824	947	1069	1187	1302	1426	1561	1698	1833	1965
-18.75°	601	717	832	947	1059	1168	1271	1380	1490	1604	1716
-20°	500	608	717	824	930	1032	1131	1223	1312	1402	1491
-21.25°	400	500	601	701	800	895	987	1075	1157	1231	1300



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	316	394	486	579	671	759	845	926	1003	1074	1138
-23.75°	238	306	375	460	544	626	705	780	850	916	975
-25°	158	224	288	348	420	495	568	637	702	762	817
-26.25°	123	144	201	260	315	369	435	498	557	612	662
-27.5°	96	116	135	170	223	274	321	365	419	468	513
-28.75°	72	88	106	124	141	179	224	266	304	339	372
-30°	61	68	77	94	110	125	139	166	202	236	266
-31.25°	50	57	63	70	79	93	107	119	131	142	161
-32.5°	41	45	52	58	64	69	74	86	97	107	116
-33.75°	33	38	42	46	51	56	61	66	70	74	82
-35°	25	30	34	37	41	44	48	53	57	60	63
-36.25°	18	22	26	29	33	36	39	42	44	47	50
-37.5°	11	15	18	21	24	27	30	33	35	37	39
-38.75°	9	10	11	14	17	19	22	24	26	28	30
-40°	8	9	9	10	10	12	14	16	18	20	22
-41.25°	8	8	8	9	9	9	10	10	10	12	13
-42.5°	7	7	7	8	8	8	9	9	9	9	9
-43.75°	6	6	7	7	7	7	8	8	8	8	8
-45°	6	6	6	6	6	6	7	7	7	7	7
-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°	5	5	5	6	6	6	6	6	6	6	6
-50°	5	5	5	5	5	5	5	6	6	6	6
-51.25°	4	4	5	5	5	5	5	5	5	5	5
-52.5°	4	4	4	4	4	4	5	5	5	5	5
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	3	4	4	4	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	4	4	4	4	4	4
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	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	3	3	3	3	3	3	3	3
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	1	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	2	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	3	2	2	2	2
65°	3	3	3	3	3	3	3	3	3	3	3
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°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	4	3	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	5	4	4	4	4
52.5°	5	5	5	5	5	5	5	5	5	5	5
51.25°	5	5	5	5	5	5	6	5	5	5	5
50°	6	6	6	6	6	6	6	6	6	6	6
48.75°	6	6	6	6	6	6	6	6	6	6	6
47.5°	6	6	6	6	6	6	6	6	6	6	6
46.25°	7	7	7	7	7	7	7	7	7	7	7
45°	8	8	8	8	8	8	8	8	8	8	8
43.75°	9	9	9	9	9	9	9	9	9	9	9
42.5°	10	10	10	10	10	10	10	10	10	10	10
41.25°	15	16	17	18	18	18	19	18	18	18	17
40°	23	24	25	26	27	27	27	27	27	26	25
38.75°	32	33	34	35	36	36	37	36	36	35	34
37.5°	41	43	44	45	45	46	46	46	45	45	44
36.25°	53	55	57	58	59	60	60	60	59	58	57
35°	66	69	71	72	73	74	74	74	73	72	71



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	89	95	101	105	108	109	110	109	108	105	101
32.5°	124	131	136	140	144	145	146	145	144	140	136
31.25°	186	207	224	238	248	254	256	254	248	238	224
30°	292	314	332	346	357	363	365	363	357	346	332
28.75°	409	440	466	486	502	511	514	511	502	486	466
27.5°	554	589	618	641	658	668	672	668	658	641	618
26.25°	707	745	777	803	821	832	836	832	821	803	777
25°	865	907	942	970	990	1002	1006	1002	990	970	942
23.75°	1028	1074	1112	1142	1164	1176	1181	1176	1164	1142	1112
22.5°	1194	1242	1282	1318	1344	1360	1365	1360	1344	1318	1282
21.25°	1369	1428	1482	1528	1561	1581	1588	1581	1561	1528	1482
20°	1577	1653	1723	1778	1818	1842	1850	1842	1818	1778	1723
18.75°	1819	1913	1993	2057	2104	2132	2142	2132	2104	2057	1993
17.5°	2084	2190	2278	2350	2403	2435	2446	2435	2403	2350	2278
16.25°	2357	2476	2575	2653	2710	2744	2756	2744	2710	2653	2575
15°	2637	2762	2866	2948	3007	3043	3055	3043	3007	2948	2866
13.75°	2906	3036	3140	3222	3281	3316	3328	3316	3281	3222	3140
12.5°	3155	3285	3393	3479	3539	3575	3588	3575	3539	3479	3393
11.25°	3383	3518	3628	3716	3779	3818	3831	3818	3779	3716	3628
10°	3592	3730	3847	3937	4002	4042	4056	4042	4002	3937	3847
8.75°	3782	3925	4044	4133	4199	4237	4250	4237	4199	4133	4044
7.5°	3951	4095	4213	4303	4370	4406	4419	4406	4370	4303	4213
6.25°	4095	4238	4358	4445	4506	4540	4551	4540	4506	4445	4358
5°	4213	4358	4472	4552	4602	4631	4641	4631	4602	4552	4472
3.75°	4303	4445	4552	4621	4665	4692	4699	4692	4665	4621	4552
2.5°	4370	4506	4602	4665	4707	4733	4742	4733	4707	4665	4602
1.25°	4406	4540	4631	4692	4733	4763	4777	4763	4733	4692	4631
0°	4419	4551	4641	4699	4742	4777	4801	4777	4742	4699	4641
-1.25°	4406	4540	4631	4692	4733	4763	4777	4763	4733	4692	4631
-2.5°	4370	4506	4602	4665	4707	4733	4742	4733	4707	4665	4602
-3.75°	4303	4445	4552	4621	4665	4692	4699	4692	4665	4621	4552
-5°	4213	4358	4472	4552	4602	4631	4641	4631	4602	4552	4472
-6.25°	4095	4238	4358	4445	4506	4540	4551	4540	4506	4445	4358
-7.5°	3951	4095	4213	4303	4370	4406	4419	4406	4370	4303	4213
-8.75°	3782	3925	4044	4133	4199	4237	4250	4237	4199	4133	4044
-10°	3592	3730	3847	3937	4002	4042	4056	4042	4002	3937	3847
-11.25°	3383	3518	3628	3716	3779	3818	3831	3818	3779	3716	3628
-12.5°	3155	3285	3393	3479	3539	3575	3588	3575	3539	3479	3393
-13.75°	2906	3036	3140	3222	3281	3316	3328	3316	3281	3222	3140
-15°	2637	2762	2866	2948	3007	3043	3055	3043	3007	2948	2866
-16.25°	2357	2476	2575	2653	2710	2744	2756	2744	2710	2653	2575
-17.5°	2084	2190	2278	2350	2403	2435	2446	2435	2403	2350	2278
-18.75°	1819	1913	1993	2057	2104	2132	2142	2132	2104	2057	1993
-20°	1577	1653	1723	1778	1818	1842	1850	1842	1818	1778	1723
-21.25°	1369	1428	1482	1528	1561	1581	1588	1581	1561	1528	1482





REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1194	1242	1282	1318	1344	1360	1365	1360	1344	1318	1282
-23.75°	1028	1074	1112	1142	1164	1176	1181	1176	1164	1142	1112
-25°	865	907	942	970	990	1002	1006	1002	990	970	942
-26.25°	707	745	777	803	821	832	836	832	821	803	777
-27.5°	554	589	618	641	658	668	672	668	658	641	618
-28.75°	409	440	466	486	502	511	514	511	502	486	466
-30°	292	314	332	346	357	363	365	363	357	346	332
-31.25°	186	207	224	238	248	254	256	254	248	238	224
-32.5°	124	131	136	140	144	145	146	145	144	140	136
-33.75°	89	95	101	105	108	109	110	109	108	105	101
-35°	66	69	71	72	73	74	74	74	73	72	71
-36.25°	53	55	57	58	59	60	60	60	59	58	57
-37.5°	41	43	44	45	45	46	46	46	45	45	44
-38.75°	32	33	34	35	36	36	37	36	36	35	34
-40°	23	24	25	26	27	27	27	27	27	26	25
-41.25°	15	16	17	18	18	18	19	18	18	18	17
-42.5°	10	10	10	10	10	10	10	10	10	10	10
-43.75°	9	9	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	7	7	7	7	7
-47.5°	6	6	6	6	6	6	6	6	6	6	6
-48.75°	6	6	6	6	6	6	6	6	6	6	6
-50°	6	6	6	6	6	6	6	6	6	6	6
-51.25°	5	5	5	5	5	5	6	5	5	5	5
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	5	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	3	3	3	3	3	3	4	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	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°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	2	2	2	2	2	2	3	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	1	1	2	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	0	0	0	0	0	0	1	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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	3	3	3	3	3	3	3	3	3	3	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°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	4	3	3	3
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	5	5	5	5	5	5	5	4	4	4	4
51.25°	5	5	5	5	5	5	5	5	5	5	5
50°	6	6	6	6	6	6	5	5	5	5	5
48.75°	6	6	6	6	6	6	6	6	6	6	5
47.5°	6	6	6	6	6	6	6	6	6	6	6
46.25°	7	7	6	6	6	6	6	6	6	6	6
45°	8	8	7	7	7	7	7	6	6	6	6
43.75°	9	9	8	8	8	8	8	7	7	7	7
42.5°	10	10	9	9	9	9	9	8	8	8	7
41.25°	16	15	13	12	10	10	10	9	9	9	8
40°	24	23	22	20	18	16	14	12	10	10	9
38.75°	33	32	30	28	26	24	22	19	17	14	11
37.5°	43	41	39	37	35	33	30	27	24	21	18
36.25°	55	53	50	47	44	42	39	36	33	29	26
35°	69	66	63	60	57	53	48	44	41	37	34



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	95	89	82	74	70	66	61	56	51	46	42
32.5°	131	124	116	107	97	86	74	69	64	58	52
31.25°	207	186	161	142	131	119	107	93	79	70	63
30°	314	292	266	236	202	166	139	125	110	94	77
28.75°	440	409	372	339	304	266	224	179	141	124	106
27.5°	589	554	513	468	419	365	321	274	223	170	135
26.25°	745	707	662	612	557	498	435	369	315	260	201
25°	907	865	817	762	702	637	568	495	420	348	288
23.75°	1074	1028	975	916	850	780	705	626	544	460	375
22.5°	1242	1194	1138	1074	1003	926	845	759	671	579	486
21.25°	1428	1369	1300	1231	1157	1075	987	895	800	701	601
20°	1653	1577	1491	1402	1312	1223	1131	1032	930	824	717
18.75°	1913	1819	1716	1604	1490	1380	1271	1168	1059	947	832
17.5°	2190	2084	1965	1833	1698	1561	1426	1302	1187	1069	947
16.25°	2476	2357	2225	2080	1925	1764	1603	1449	1313	1187	1059
15°	2762	2637	2492	2330	2160	1981	1798	1618	1449	1302	1168
13.75°	3036	2906	2755	2585	2397	2201	2001	1798	1603	1426	1271
12.5°	3285	3155	3003	2827	2631	2419	2201	1981	1764	1561	1380
11.25°	3518	3383	3227	3053	2851	2631	2397	2160	1925	1698	1490
10°	3730	3592	3433	3252	3053	2827	2585	2330	2080	1833	1604
8.75°	3925	3782	3617	3433	3227	3003	2755	2492	2225	1965	1716
7.5°	4095	3951	3782	3592	3383	3155	2906	2637	2357	2084	1819
6.25°	4238	4095	3925	3730	3518	3285	3036	2762	2476	2190	1913
5°	4358	4213	4044	3847	3628	3393	3140	2866	2575	2278	1993
3.75°	4445	4303	4133	3937	3716	3479	3222	2948	2653	2350	2057
2.5°	4506	4370	4199	4002	3779	3539	3281	3007	2710	2403	2104
1.25°	4540	4406	4237	4042	3818	3575	3316	3043	2744	2435	2132
0°	4551	4419	4250	4056	3831	3588	3328	3055	2756	2446	2142
-1.25°	4540	4406	4237	4042	3818	3575	3316	3043	2744	2435	2132
-2.5°	4506	4370	4199	4002	3779	3539	3281	3007	2710	2403	2104
-3.75°	4445	4303	4133	3937	3716	3479	3222	2948	2653	2350	2057
-5°	4358	4213	4044	3847	3628	3393	3140	2866	2575	2278	1993
-6.25°	4238	4095	3925	3730	3518	3285	3036	2762	2476	2190	1913
-7.5°	4095	3951	3782	3592	3383	3155	2906	2637	2357	2084	1819
-8.75°	3925	3782	3617	3433	3227	3003	2755	2492	2225	1965	1716
-10°	3730	3592	3433	3252	3053	2827	2585	2330	2080	1833	1604
-11.25°	3518	3383	3227	3053	2851	2631	2397	2160	1925	1698	1490
-12.5°	3285	3155	3003	2827	2631	2419	2201	1981	1764	1561	1380
-13.75°	3036	2906	2755	2585	2397	2201	2001	1798	1603	1426	1271
-15°	2762	2637	2492	2330	2160	1981	1798	1618	1449	1302	1168
-16.25°	2476	2357	2225	2080	1925	1764	1603	1449	1313	1187	1059
-17.5°	2190	2084	1965	1833	1698	1561	1426	1302	1187	1069	947
-18.75°	1913	1819	1716	1604	1490	1380	1271	1168	1059	947	832
-20°	1653	1577	1491	1402	1312	1223	1131	1032	930	824	717
-21.25°	1428	1369	1300	1231	1157	1075	987	895	800	701	601



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1242	1194	1138	1074	1003	926	845	759	671	579	486
-23.75°	1074	1028	975	916	850	780	705	626	544	460	375
-25°	907	865	817	762	702	637	568	495	420	348	288
-26.25°	745	707	662	612	557	498	435	369	315	260	201
-27.5°	589	554	513	468	419	365	321	274	223	170	135
-28.75°	440	409	372	339	304	266	224	179	141	124	106
-30°	314	292	266	236	202	166	139	125	110	94	77
-31.25°	207	186	161	142	131	119	107	93	79	70	63
-32.5°	131	124	116	107	97	86	74	69	64	58	52
-33.75°	95	89	82	74	70	66	61	56	51	46	42
-35°	69	66	63	60	57	53	48	44	41	37	34
-36.25°	55	53	50	47	44	42	39	36	33	29	26
-37.5°	43	41	39	37	35	33	30	27	24	21	18
-38.75°	33	32	30	28	26	24	22	19	17	14	11
-40°	24	23	22	20	18	16	14	12	10	10	9
-41.25°	16	15	13	12	10	10	10	9	9	9	8
-42.5°	10	10	9	9	9	9	9	8	8	8	7
-43.75°	9	9	8	8	8	8	8	7	7	7	7
-45°	8	8	7	7	7	7	7	6	6	6	6
-46.25°	7	7	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	6	5
-50°	6	6	6	6	6	6	5	5	5	5	5
-51.25°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	5	5	5	5	5	5	5	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	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°	3	3	3	3	3	3	3	3	3	3	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	1	1	1	1	1	1	1	1
73.75°	2	2	2	2	2	2	2	2	2	2	1
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	2	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	4	3	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	4	3	3	3	3	3	3
53.75°	4	4	4	4	4	4	4	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	4	4	3
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	5	5	5	4	4	4	4	4	4	4	4
48.75°	5	5	5	5	5	5	4	4	4	4	4
47.5°	6	6	5	5	5	5	5	5	4	4	4
46.25°	6	6	6	6	6	5	5	5	5	4	4
45°	6	6	6	6	6	6	6	5	5	5	5
43.75°	6	6	6	6	6	6	6	6	5	5	5
42.5°	7	7	6	6	6	6	6	6	6	6	5
41.25°	8	8	7	7	6	6	6	6	6	6	6
40°	9	8	8	8	7	7	6	6	6	6	6
38.75°	10	9	9	8	8	8	7	7	6	6	6
37.5°	15	11	10	9	9	8	8	7	7	6	6
36.25°	22	18	15	11	10	9	9	8	7	7	6
35°	30	25	21	17	13	10	9	9	8	8	7



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	38	33	28	24	20	15	10	9	9	8	8
32.5°	45	41	36	31	26	21	16	11	10	9	8
31.25°	57	50	43	38	33	27	22	17	12	10	9
30°	68	61	53	46	40	34	28	23	17	12	10
28.75°	88	72	64	56	47	41	35	29	23	17	11
27.5°	116	96	75	66	57	48	41	35	28	22	16
26.25°	144	123	102	79	67	58	48	41	34	27	21
25°	224	158	128	104	80	67	57	47	40	33	26
23.75°	306	238	167	129	104	79	66	56	46	38	31
22.5°	394	316	242	167	128	102	75	64	53	43	36
21.25°	500	400	316	238	158	123	96	72	61	50	41
20°	608	500	394	306	224	144	116	88	68	57	45
18.75°	717	601	486	375	288	201	135	106	77	63	52
17.5°	824	701	579	460	348	260	170	124	94	70	58
16.25°	930	800	671	544	420	315	223	141	110	79	64
15°	1032	895	759	626	495	369	274	179	125	93	69
13.75°	1131	987	845	705	568	435	321	224	139	107	74
12.5°	1223	1075	926	780	637	498	365	266	166	119	86
11.25°	1312	1157	1003	850	702	557	419	304	202	131	97
10°	1402	1231	1074	916	762	612	468	339	236	142	107
8.75°	1491	1300	1138	975	817	662	513	372	266	161	116
7.5°	1577	1369	1194	1028	865	707	554	409	292	186	124
6.25°	1653	1428	1242	1074	907	745	589	440	314	207	131
5°	1723	1482	1282	1112	942	777	618	466	332	224	136
3.75°	1778	1528	1318	1142	970	803	641	486	346	238	140
2.5°	1818	1561	1344	1164	990	821	658	502	357	248	144
1.25°	1842	1581	1360	1176	1002	832	668	511	363	254	145
0°	1850	1588	1365	1181	1006	836	672	514	365	256	146
-1.25°	1842	1581	1360	1176	1002	832	668	511	363	254	145
-2.5°	1818	1561	1344	1164	990	821	658	502	357	248	144
-3.75°	1778	1528	1318	1142	970	803	641	486	346	238	140
-5°	1723	1482	1282	1112	942	777	618	466	332	224	136
-6.25°	1653	1428	1242	1074	907	745	589	440	314	207	131
-7.5°	1577	1369	1194	1028	865	707	554	409	292	186	124
-8.75°	1491	1300	1138	975	817	662	513	372	266	161	116
-10°	1402	1231	1074	916	762	612	468	339	236	142	107
-11.25°	1312	1157	1003	850	702	557	419	304	202	131	97
-12.5°	1223	1075	926	780	637	498	365	266	166	119	86
-13.75°	1131	987	845	705	568	435	321	224	139	107	74
-15°	1032	895	759	626	495	369	274	179	125	93	69
-16.25°	930	800	671	544	420	315	223	141	110	79	64
-17.5°	824	701	579	460	348	260	170	124	94	70	58
-18.75°	717	601	486	375	288	201	135	106	77	63	52
-20°	608	500	394	306	224	144	116	88	68	57	45
-21.25°	500	400	316	238	158	123	96	72	61	50	41





REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	394	316	242	167	128	102	75	64	53	43	36
-23.75°	306	238	167	129	104	79	66	56	46	38	31
-25°	224	158	128	104	80	67	57	47	40	33	26
-26.25°	144	123	102	79	67	58	48	41	34	27	21
-27.5°	116	96	75	66	57	48	41	35	28	22	16
-28.75°	88	72	64	56	47	41	35	29	23	17	11
-30°	68	61	53	46	40	34	28	23	17	12	10
-31.25°	57	50	43	38	33	27	22	17	12	10	9
-32.5°	45	41	36	31	26	21	16	11	10	9	8
-33.75°	38	33	28	24	20	15	10	9	9	8	8
-35°	30	25	21	17	13	10	9	9	8	8	7
-36.25°	22	18	15	11	10	9	9	8	7	7	6
-37.5°	15	11	10	9	9	8	8	7	7	6	6
-38.75°	10	9	9	8	8	8	7	7	6	6	6
-40°	9	8	8	8	7	7	6	6	6	6	6
-41.25°	8	8	7	7	6	6	6	6	6	6	6
-42.5°	7	7	6	6	6	6	6	6	6	6	5
-43.75°	6	6	6	6	6	6	6	6	5	5	5
-45°	6	6	6	6	6	6	6	5	5	5	5
-46.25°	6	6	6	6	6	5	5	5	5	4	4
-47.5°	6	6	5	5	5	5	5	5	4	4	4
-48.75°	5	5	5	5	5	5	4	4	4	4	4
-50°	5	5	5	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	3
-53.75°	4	4	4	4	4	4	4	3	3	3	3
-55°	4	4	4	4	4	3	3	3	3	3	3
-56.25°	4	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	2	2	2
-63.75°	3	3	3	3	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	1
-75°	2	2	2	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	0	0
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	2	2	2	2	1	1	1	1	1	1	1
71.25°	2	2	2	2	2	2	2	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	2	1
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	2	2	2	2
56.25°	3	3	3	3	3	3	3	3	2	2	2
55°	3	3	3	3	3	3	3	3	3	3	2
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	4	3	3	3	3	3	3	3	3	3	3
50°	4	4	3	3	3	3	3	3	3	3	3
48.75°	4	4	4	4	3	3	3	3	3	3	3
47.5°	4	4	4	4	4	3	3	3	3	3	3
46.25°	4	4	4	4	4	4	4	3	3	3	3
45°	4	4	4	4	4	4	4	4	3	3	3
43.75°	5	5	4	4	4	4	4	4	4	3	3
42.5°	5	5	5	4	4	4	4	4	4	4	3
41.25°	5	5	5	5	4	4	4	4	4	4	4
40°	6	6	5	5	5	4	4	4	4	4	4
38.75°	6	6	6	5	5	5	4	4	4	4	4
37.5°	6	6	6	6	5	5	5	4	4	4	4
36.25°	6	6	6	6	6	5	5	5	4	4	4
35°	6	6	6	6	6	6	5	5	5	4	4



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	6	6	6	6	6	5	5	5	4	4
32.5°	8	7	6	6	6	6	6	5	5	5	4
31.25°	8	8	7	6	6	6	6	6	5	5	4
30°	9	8	7	7	6	6	6	6	5	5	5
28.75°	9	9	8	7	7	6	6	6	6	5	5
27.5°	10	9	9	8	7	6	6	6	6	6	5
26.25°	15	10	9	8	8	7	6	6	6	6	5
25°	20	13	10	9	8	7	6	6	6	6	6
23.75°	24	17	11	9	8	8	7	6	6	6	6
22.5°	28	21	15	10	9	8	7	6	6	6	6
21.25°	33	25	18	11	9	8	8	7	6	6	6
20°	38	30	22	15	10	9	8	7	6	6	6
18.75°	42	34	26	18	11	9	8	7	7	6	6
17.5°	46	37	29	21	14	10	9	8	7	6	6
16.25°	51	41	33	24	17	10	9	8	7	6	6
15°	56	44	36	27	19	12	9	8	7	6	6
13.75°	61	48	39	30	22	14	10	9	8	7	6
12.5°	66	53	42	33	24	16	10	9	8	7	6
11.25°	70	57	44	35	26	18	10	9	8	7	6
10°	74	60	47	37	28	20	12	9	8	7	6
8.75°	82	63	50	39	30	22	13	9	8	7	6
7.5°	89	66	53	41	32	23	15	10	9	8	7
6.25°	95	69	55	43	33	24	16	10	9	8	7
5°	101	71	57	44	34	25	17	10	9	8	7
3.75°	105	72	58	45	35	26	18	10	9	8	7
2.5°	108	73	59	45	36	27	18	10	9	8	7
1.25°	109	74	60	46	36	27	18	10	9	8	7
0°	110	74	60	46	37	27	19	10	9	8	7
-1.25°	109	74	60	46	36	27	18	10	9	8	7
-2.5°	108	73	59	45	36	27	18	10	9	8	7
-3.75°	105	72	58	45	35	26	18	10	9	8	7
-5°	101	71	57	44	34	25	17	10	9	8	7
-6.25°	95	69	55	43	33	24	16	10	9	8	7
-7.5°	89	66	53	41	32	23	15	10	9	8	7
-8.75°	82	63	50	39	30	22	13	9	8	7	6
-10°	74	60	47	37	28	20	12	9	8	7	6
-11.25°	70	57	44	35	26	18	10	9	8	7	6
-12.5°	66	53	42	33	24	16	10	9	8	7	6
-13.75°	61	48	39	30	22	14	10	9	8	7	6
-15°	56	44	36	27	19	12	9	8	7	6	6
-16.25°	51	41	33	24	17	10	9	8	7	6	6
-17.5°	46	37	29	21	14	10	9	8	7	6	6
-18.75°	42	34	26	18	11	9	8	7	7	6	6
-20°	38	30	22	15	10	9	8	7	6	6	6
-21.25°	33	25	18	11	9	8	8	7	6	6	6



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	28	21	15	10	9	8	7	6	6	6	6
-23.75°	24	17	11	9	8	8	7	6	6	6	6
-25°	20	13	10	9	8	7	6	6	6	6	6
-26.25°	15	10	9	8	8	7	6	6	6	6	5
-27.5°	10	9	9	8	7	6	6	6	6	6	5
-28.75°	9	9	8	7	7	6	6	6	6	5	5
-30°	9	8	7	7	6	6	6	6	5	5	5
-31.25°	8	8	7	6	6	6	6	6	5	5	4
-32.5°	8	7	6	6	6	6	6	5	5	5	4
-33.75°	7	6	6	6	6	6	5	5	5	4	4
-35°	6	6	6	6	6	6	5	5	5	4	4
-36.25°	6	6	6	6	6	5	5	5	4	4	4
-37.5°	6	6	6	6	5	5	5	4	4	4	4
-38.75°	6	6	6	5	5	5	4	4	4	4	4
-40°	6	6	5	5	5	4	4	4	4	4	4
-41.25°	5	5	5	5	4	4	4	4	4	4	4
-42.5°	5	5	5	4	4	4	4	4	4	4	3
-43.75°	5	5	4	4	4	4	4	4	4	3	3
-45°	4	4	4	4	4	4	4	4	3	3	3
-46.25°	4	4	4	4	4	4	4	3	3	3	3
-47.5°	4	4	4	4	4	3	3	3	3	3	3
-48.75°	4	4	4	4	3	3	3	3	3	3	3
-50°	4	4	3	3	3	3	3	3	3	3	3
-51.25°	4	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	2
-56.25°	3	3	3	3	3	3	3	3	2	2	2
-57.5°	3	3	3	3	3	3	3	2	2	2	2
-58.75°	3	3	3	3	3	2	2	2	2	2	2
-60°	3	3	3	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	1
-71.25°	2	2	2	2	2	2	2	1	1	1	1
-72.5°	2	2	2	2	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	0	0	0	0	0	0	0	0
78.75°	1	1	1	1	1	1	1	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
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°	2	2	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	1	1	1	1	1
65°	2	2	2	2	2	2	2	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	1
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	3	2	2	2	2	2	2	2	2	2	2
51.25°	3	3	2	2	2	2	2	2	2	2	2
50°	3	3	3	2	2	2	2	2	2	2	2
48.75°	3	3	3	3	2	2	2	2	2	2	2
47.5°	3	3	3	3	3	2	2	2	2	2	2
46.25°	3	3	3	3	3	3	2	2	2	2	2
45°	3	3	3	3	3	3	3	2	2	2	2
43.75°	3	3	3	3	3	3	3	2	2	2	2
42.5°	3	3	3	3	3	3	3	3	2	2	2
41.25°	3	3	3	3	3	3	3	3	3	2	2
40°	3	3	3	3	3	3	3	3	3	2	2
38.75°	4	3	3	3	3	3	3	3	3	3	2
37.5°	4	4	3	3	3	3	3	3	3	3	2
36.25°	4	4	3	3	3	3	3	3	3	3	3
35°	4	4	4	3	3	3	3	3	3	3	3



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	4	4	4	4	3	3	3	3	3	3	3
32.5°	4	4	4	4	3	3	3	3	3	3	3
31.25°	4	4	4	4	4	3	3	3	3	3	3
30°	4	4	4	4	4	3	3	3	3	3	3
28.75°	5	4	4	4	4	3	3	3	3	3	3
27.5°	5	4	4	4	4	4	3	3	3	3	3
26.25°	5	5	4	4	4	4	3	3	3	3	3
25°	5	5	4	4	4	4	4	3	3	3	3
23.75°	5	5	4	4	4	4	4	3	3	3	3
22.5°	5	5	5	4	4	4	4	3	3	3	3
21.25°	6	5	5	4	4	4	4	3	3	3	3
20°	6	5	5	4	4	4	4	4	3	3	3
18.75°	6	5	5	5	4	4	4	4	3	3	3
17.5°	6	6	5	5	4	4	4	4	3	3	3
16.25°	6	6	5	5	4	4	4	4	3	3	3
15°	6	6	5	5	4	4	4	4	4	3	3
13.75°	6	6	5	5	5	4	4	4	4	3	3
12.5°	6	6	6	5	5	4	4	4	4	3	3
11.25°	6	6	6	5	5	4	4	4	4	3	3
10°	6	6	6	5	5	4	4	4	4	3	3
8.75°	6	6	6	5	5	4	4	4	4	3	3
7.5°	6	6	6	5	5	4	4	4	4	3	3
6.25°	6	6	6	5	5	4	4	4	4	3	3
5°	6	6	6	5	5	4	4	4	4	3	3
3.75°	6	6	6	5	5	4	4	4	4	3	3
2.5°	6	6	6	5	5	4	4	4	4	3	3
1.25°	6	6	6	5	5	4	4	4	4	3	3
0°	6	6	6	6	5	5	4	4	4	4	3
-1.25°	6	6	6	5	5	4	4	4	4	3	3
-2.5°	6	6	6	5	5	4	4	4	4	3	3
-3.75°	6	6	6	5	5	4	4	4	4	3	3
-5°	6	6	6	5	5	4	4	4	4	3	3
-6.25°	6	6	6	5	5	4	4	4	4	3	3
-7.5°	6	6	6	5	5	4	4	4	4	3	3
-8.75°	6	6	6	5	5	4	4	4	4	3	3
-10°	6	6	6	5	5	4	4	4	4	3	3
-11.25°	6	6	6	5	5	4	4	4	4	3	3
-12.5°	6	6	6	5	5	4	4	4	4	3	3
-13.75°	6	6	5	5	5	4	4	4	4	3	3
-15°	6	6	5	5	4	4	4	4	4	3	3
-16.25°	6	6	5	5	4	4	4	4	3	3	3
-17.5°	6	6	5	5	4	4	4	4	3	3	3
-18.75°	6	5	5	5	4	4	4	4	3	3	3
-20°	6	5	5	4	4	4	4	4	3	3	3
-21.25°	6	5	5	4	4	4	4	3	3	3	3





REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	5	5	5	4	4	4	4	3	3	3	3
-23.75°	5	5	4	4	4	4	4	3	3	3	3
-25°	5	5	4	4	4	4	4	3	3	3	3
-26.25°	5	5	4	4	4	4	3	3	3	3	3
-27.5°	5	4	4	4	4	4	3	3	3	3	3
-28.75°	5	4	4	4	4	3	3	3	3	3	3
-30°	4	4	4	4	4	3	3	3	3	3	3
-31.25°	4	4	4	4	4	3	3	3	3	3	3
-32.5°	4	4	4	4	3	3	3	3	3	3	3
-33.75°	4	4	4	4	3	3	3	3	3	3	3
-35°	4	4	4	3	3	3	3	3	3	3	3
-36.25°	4	4	3	3	3	3	3	3	3	3	3
-37.5°	4	4	3	3	3	3	3	3	3	3	2
-38.75°	4	3	3	3	3	3	3	3	3	3	2
-40°	3	3	3	3	3	3	3	3	3	2	2
-41.25°	3	3	3	3	3	3	3	3	3	2	2
-42.5°	3	3	3	3	3	3	3	3	2	2	2
-43.75°	3	3	3	3	3	3	3	2	2	2	2
-45°	3	3	3	3	3	3	3	2	2	2	2
-46.25°	3	3	3	3	3	3	2	2	2	2	2
-47.5°	3	3	3	3	3	2	2	2	2	2	2
-48.75°	3	3	3	3	2	2	2	2	2	2	2
-50°	3	3	3	2	2	2	2	2	2	2	2
-51.25°	3	3	2	2	2	2	2	2	2	2	2
-52.5°	3	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	1
-63.75°	2	2	2	2	2	2	2	2	1	1	1
-65°	2	2	2	2	2	2	2	1	1	1	1
-66.25°	2	2	2	2	2	2	1	1	1	1	1
-67.5°	2	2	2	2	1	1	1	1	1	1	1
-68.75°	2	2	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	0



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	1	0	0	0	0
-80°	1	1	1	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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	0	0	0	0	0	0	0	0	0
75°	1	1	1	1	0	0	0	0	0	0	0
73.75°	1	1	1	1	1	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	0	0	0	0
71.25°	1	1	1	1	1	1	1	1	0	0	0
70°	1	1	1	1	1	1	1	1	1	0	0
68.75°	1	1	1	1	1	1	1	1	1	1	0
67.5°	1	1	1	1	1	1	1	1	1	1	0
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	2	1	1	1	1	1	1	1	1	1	1
58.75°	2	2	1	1	1	1	1	1	1	1	1
57.5°	2	2	1	1	1	1	1	1	1	1	1
56.25°	2	2	2	1	1	1	1	1	1	1	1
55°	2	2	2	2	1	1	1	1	1	1	1
53.75°	2	2	2	2	2	1	1	1	1	1	1
52.5°	2	2	2	2	2	1	1	1	1	1	1
51.25°	2	2	2	2	2	2	1	1	1	1	1
50°	2	2	2	2	2	2	1	1	1	1	1
48.75°	2	2	2	2	2	2	2	1	1	1	1
47.5°	2	2	2	2	2	2	2	1	1	1	1
46.25°	2	2	2	2	2	2	2	1	1	1	1
45°	2	2	2	2	2	2	2	2	1	1	1
43.75°	2	2	2	2	2	2	2	2	1	1	1
42.5°	2	2	2	2	2	2	2	2	1	1	1
41.25°	2	2	2	2	2	2	2	2	2	1	1
40°	2	2	2	2	2	2	2	2	2	1	1
38.75°	2	2	2	2	2	2	2	2	2	1	1
37.5°	2	2	2	2	2	2	2	2	2	2	1
36.25°	2	2	2	2	2	2	2	2	2	2	1
35°	2	2	2	2	2	2	2	2	2	2	1



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	2	2	2	2	2	2	2	2	1
32.5°	3	2	2	2	2	2	2	2	2	2	1
31.25°	3	2	2	2	2	2	2	2	2	2	2
30°	3	2	2	2	2	2	2	2	2	2	2
28.75°	3	3	2	2	2	2	2	2	2	2	2
27.5°	3	3	2	2	2	2	2	2	2	2	2
26.25°	3	3	2	2	2	2	2	2	2	2	2
25°	3	3	2	2	2	2	2	2	2	2	2
23.75°	3	3	3	2	2	2	2	2	2	2	2
22.5°	3	3	3	2	2	2	2	2	2	2	2
21.25°	3	3	3	2	2	2	2	2	2	2	2
20°	3	3	3	2	2	2	2	2	2	2	2
18.75°	3	3	3	2	2	2	2	2	2	2	2
17.5°	3	3	3	3	2	2	2	2	2	2	2
16.25°	3	3	3	3	2	2	2	2	2	2	2
15°	3	3	3	3	2	2	2	2	2	2	2
13.75°	3	3	3	3	2	2	2	2	2	2	2
12.5°	3	3	3	3	2	2	2	2	2	2	2
11.25°	3	3	3	3	2	2	2	2	2	2	2
10°	3	3	3	3	2	2	2	2	2	2	2
8.75°	3	3	3	3	2	2	2	2	2	2	2
7.5°	3	3	3	3	2	2	2	2	2	2	2
6.25°	3	3	3	3	2	2	2	2	2	2	2
5°	3	3	3	3	2	2	2	2	2	2	2
3.75°	3	3	3	3	2	2	2	2	2	2	2
2.5°	3	3	3	3	2	2	2	2	2	2	2
1.25°	3	3	3	3	2	2	2	2	2	2	2
0°	3	3	3	3	3	2	2	2	2	2	2
-1.25°	3	3	3	3	2	2	2	2	2	2	2
-2.5°	3	3	3	3	2	2	2	2	2	2	2
-3.75°	3	3	3	3	2	2	2	2	2	2	2
-5°	3	3	3	3	2	2	2	2	2	2	2
-6.25°	3	3	3	3	2	2	2	2	2	2	2
-7.5°	3	3	3	3	2	2	2	2	2	2	2
-8.75°	3	3	3	3	2	2	2	2	2	2	2
-10°	3	3	3	3	2	2	2	2	2	2	2
-11.25°	3	3	3	3	2	2	2	2	2	2	2
-12.5°	3	3	3	3	2	2	2	2	2	2	2
-13.75°	3	3	3	3	2	2	2	2	2	2	2
-15°	3	3	3	3	2	2	2	2	2	2	2
-16.25°	3	3	3	3	2	2	2	2	2	2	2
-17.5°	3	3	3	3	2	2	2	2	2	2	2
-18.75°	3	3	3	2	2	2	2	2	2	2	2
-20°	3	3	3	2	2	2	2	2	2	2	2
-21.25°	3	3	3	2	2	2	2	2	2	2	2



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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	3	3	2	2	2	2	2	2	2	2
-23.75°	3	3	3	2	2	2	2	2	2	2	2
-25°	3	3	2	2	2	2	2	2	2	2	2
-26.25°	3	3	2	2	2	2	2	2	2	2	2
-27.5°	3	3	2	2	2	2	2	2	2	2	2
-28.75°	3	3	2	2	2	2	2	2	2	2	2
-30°	3	2	2	2	2	2	2	2	2	2	2
-31.25°	3	2	2	2	2	2	2	2	2	2	2
-32.5°	3	2	2	2	2	2	2	2	2	2	1
-33.75°	2	2	2	2	2	2	2	2	2	2	1
-35°	2	2	2	2	2	2	2	2	2	2	1
-36.25°	2	2	2	2	2	2	2	2	2	2	1
-37.5°	2	2	2	2	2	2	2	2	2	2	1
-38.75°	2	2	2	2	2	2	2	2	2	1	1
-40°	2	2	2	2	2	2	2	2	2	1	1
-41.25°	2	2	2	2	2	2	2	2	2	1	1
-42.5°	2	2	2	2	2	2	2	2	1	1	1
-43.75°	2	2	2	2	2	2	2	2	1	1	1
-45°	2	2	2	2	2	2	2	2	1	1	1
-46.25°	2	2	2	2	2	2	2	1	1	1	1
-47.5°	2	2	2	2	2	2	2	1	1	1	1
-48.75°	2	2	2	2	2	2	2	1	1	1	1
-50°	2	2	2	2	2	2	1	1	1	1	1
-51.25°	2	2	2	2	2	2	1	1	1	1	1
-52.5°	2	2	2	2	2	1	1	1	1	1	1
-53.75°	2	2	2	2	2	1	1	1	1	1	1
-55°	2	2	2	2	1	1	1	1	1	1	1
-56.25°	2	2	2	1	1	1	1	1	1	1	1
-57.5°	2	2	1	1	1	1	1	1	1	1	1
-58.75°	2	2	1	1	1	1	1	1	1	1	1
-60°	2	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	0
-68.75°	1	1	1	1	1	1	1	1	1	1	0
-70°	1	1	1	1	1	1	1	1	1	0	0
-71.25°	1	1	1	1	1	1	1	1	0	0	0
-72.5°	1	1	1	1	1	1	1	0	0	0	0
-73.75°	1	1	1	1	1	0	0	0	0	0	0
-75°	1	1	1	1	0	0	0	0	0	0	0
-76.25°	1	1	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	0	0	0	0	0	0	0	0	0	0
63.75°	1	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	0	0	0	0	0	0	0	0	0
61.25°	1	1	0	0	0	0	0	0	0	0	0
60°	1	1	0	0	0	0	0	0	0	0	0
58.75°	1	1	1	0	0	0	0	0	0	0	0
57.5°	1	1	1	0	0	0	0	0	0	0	0
56.25°	1	1	1	0	0	0	0	0	0	0	0
55°	1	1	1	1	0	0	0	0	0	0	0
53.75°	1	1	1	1	0	0	0	0	0	0	0
52.5°	1	1	1	1	0	0	0	0	0	0	0
51.25°	1	1	1	1	0	0	0	0	0	0	0
50°	1	1	1	1	1	0	0	0	0	0	0
48.75°	1	1	1	1	1	0	0	0	0	0	0
47.5°	1	1	1	1	1	0	0	0	0	0	0
46.25°	1	1	1	1	1	0	0	0	0	0	0
45°	1	1	1	1	1	0	0	0	0	0	0
43.75°	1	1	1	1	1	1	0	0	0	0	0
42.5°	1	1	1	1	1	1	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°	1	1	1	1	1	1	0	0	0	0	0
36.25°	1	1	1	1	1	1	0	0	0	0	0
35°	1	1	1	1	1	1	0	0	0	0	0



REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	1	1	1	1	1	1	0	0	0	0	0
32.5°	1	1	1	1	1	1	1	0	0	0	0
31.25°	1	1	1	1	1	1	1	0	0	0	0
30°	1	1	1	1	1	1	1	0	0	0	0
28.75°	1	1	1	1	1	1	1	0	0	0	0
27.5°	1	1	1	1	1	1	1	0	0	0	0
26.25°	1	1	1	1	1	1	1	0	0	0	0
25°	1	1	1	1	1	1	1	0	0	0	0
23.75°	1	1	1	1	1	1	1	0	0	0	0
22.5°	2	1	1	1	1	1	1	0	0	0	0
21.25°	2	1	1	1	1	1	1	0	0	0	0
20°	2	1	1	1	1	1	1	0	0	0	0
18.75°	2	1	1	1	1	1	1	0	0	0	0
17.5°	2	1	1	1	1	1	1	0	0	0	0
16.25°	2	1	1	1	1	1	1	0	0	0	0
15°	2	1	1	1	1	1	1	0	0	0	0
13.75°	2	1	1	1	1	1	1	0	0	0	0
12.5°	2	1	1	1	1	1	1	0	0	0	0
11.25°	2	1	1	1	1	1	1	0	0	0	0
10°	2	1	1	1	1	1	1	0	0	0	0
8.75°	2	1	1	1	1	1	1	0	0	0	0
7.5°	2	1	1	1	1	1	1	0	0	0	0
6.25°	2	1	1	1	1	1	1	0	0	0	0
5°	2	1	1	1	1	1	1	0	0	0	0
3.75°	2	1	1	1	1	1	1	0	0	0	0
2.5°	2	1	1	1	1	1	1	0	0	0	0
1.25°	2	1	1	1	1	1	1	0	0	0	0
0°	2	2	1	1	1	1	1	1	0	0	0
-1.25°	2	1	1	1	1	1	1	0	0	0	0
-2.5°	2	1	1	1	1	1	1	0	0	0	0
-3.75°	2	1	1	1	1	1	1	0	0	0	0
-5°	2	1	1	1	1	1	1	0	0	0	0
-6.25°	2	1	1	1	1	1	1	0	0	0	0
-7.5°	2	1	1	1	1	1	1	0	0	0	0
-8.75°	2	1	1	1	1	1	1	0	0	0	0
-10°	2	1	1	1	1	1	1	0	0	0	0
-11.25°	2	1	1	1	1	1	1	0	0	0	0
-12.5°	2	1	1	1	1	1	1	0	0	0	0
-13.75°	2	1	1	1	1	1	1	0	0	0	0
-15°	2	1	1	1	1	1	1	0	0	0	0
-16.25°	2	1	1	1	1	1	1	0	0	0	0
-17.5°	2	1	1	1	1	1	1	0	0	0	0
-18.75°	2	1	1	1	1	1	1	0	0	0	0
-20°	2	1	1	1	1	1	1	0	0	0	0
-21.25°	2	1	1	1	1	1	1	0	0	0	0





REPORT NUMBER: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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°	2	1	1	1	1	1	1	0	0	0	0
-23.75°	1	1	1	1	1	1	1	0	0	0	0
-25°	1	1	1	1	1	1	1	0	0	0	0
-26.25°	1	1	1	1	1	1	1	0	0	0	0
-27.5°	1	1	1	1	1	1	1	0	0	0	0
-28.75°	1	1	1	1	1	1	1	0	0	0	0
-30°	1	1	1	1	1	1	1	0	0	0	0
-31.25°	1	1	1	1	1	1	1	0	0	0	0
-32.5°	1	1	1	1	1	1	1	0	0	0	0
-33.75°	1	1	1	1	1	1	0	0	0	0	0
-35°	1	1	1	1	1	1	0	0	0	0	0
-36.25°	1	1	1	1	1	1	0	0	0	0	0
-37.5°	1	1	1	1	1	1	0	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	1	0	0	0	0	0
-43.75°	1	1	1	1	1	1	0	0	0	0	0
-45°	1	1	1	1	1	0	0	0	0	0	0
-46.25°	1	1	1	1	1	0	0	0	0	0	0
-47.5°	1	1	1	1	1	0	0	0	0	0	0
-48.75°	1	1	1	1	1	0	0	0	0	0	0
-50°	1	1	1	1	1	0	0	0	0	0	0
-51.25°	1	1	1	1	0	0	0	0	0	0	0
-52.5°	1	1	1	1	0	0	0	0	0	0	0
-53.75°	1	1	1	1	0	0	0	0	0	0	0
-55°	1	1	1	1	0	0	0	0	0	0	0
-56.25°	1	1	1	0	0	0	0	0	0	0	0
-57.5°	1	1	1	0	0	0	0	0	0	0	0
-58.75°	1	1	1	0	0	0	0	0	0	0	0
-60°	1	1	0	0	0	0	0	0	0	0	0
-61.25°	1	1	0	0	0	0	0	0	0	0	0
-62.5°	1	1	0	0	0	0	0	0	0	0	0
-63.75°	1	0	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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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: P29478 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED4080-F-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)