

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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

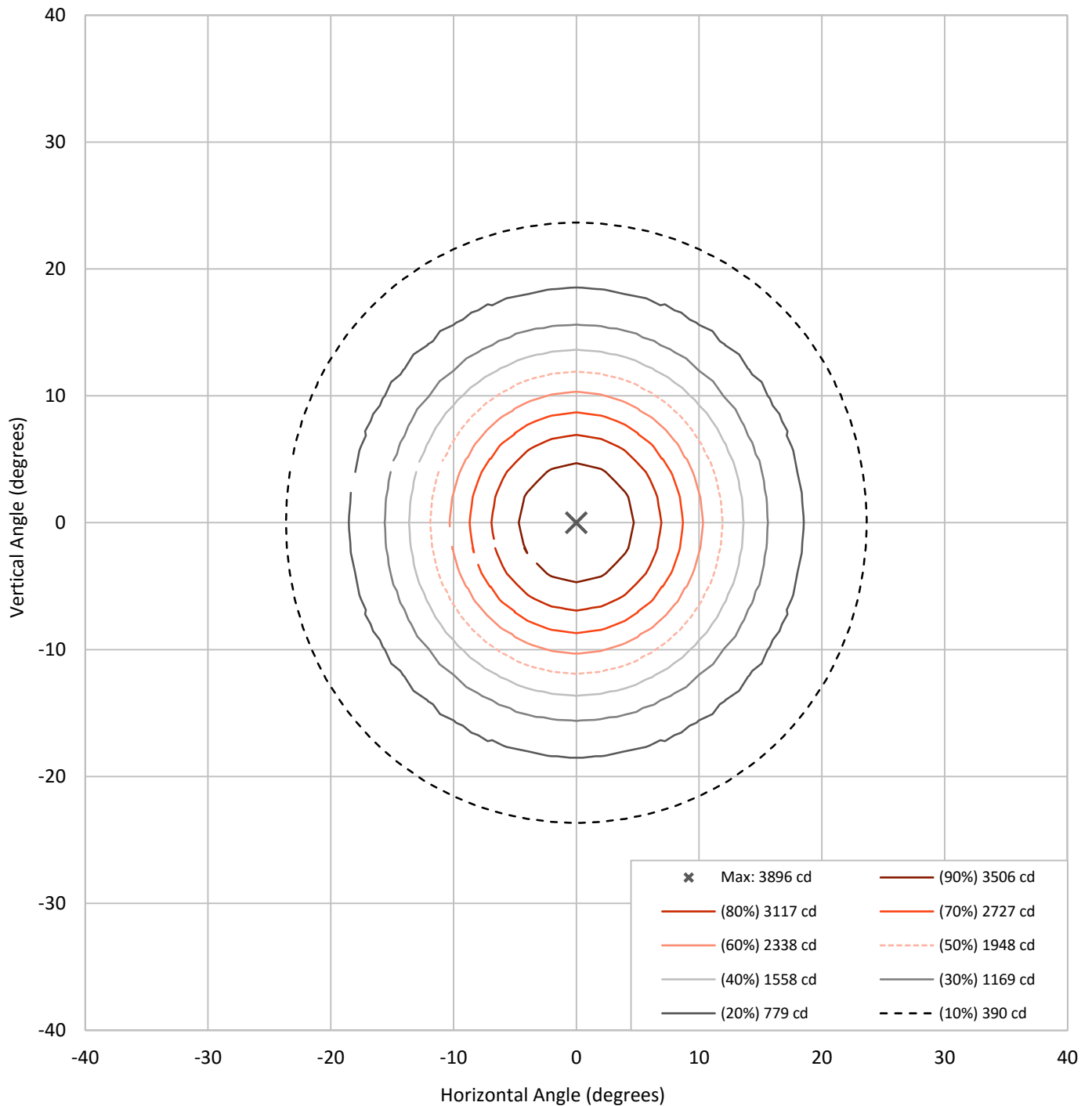
Test Method: LM-79-08  
Report Number: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	811.9 lumens	Max Intensity:	3896 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	82.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.8°H x 23.8°V	Field Angle (10%):	47.4°H x 47.4°V
Beam Lumens:	381.1 lumens	Field Lumens:	731.8 lumens
Beam Efficiency:	46.9%	Field Efficiency:	90.1%
Input Watts (W):	9.8		
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		

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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV

### Iso-Candela Plot





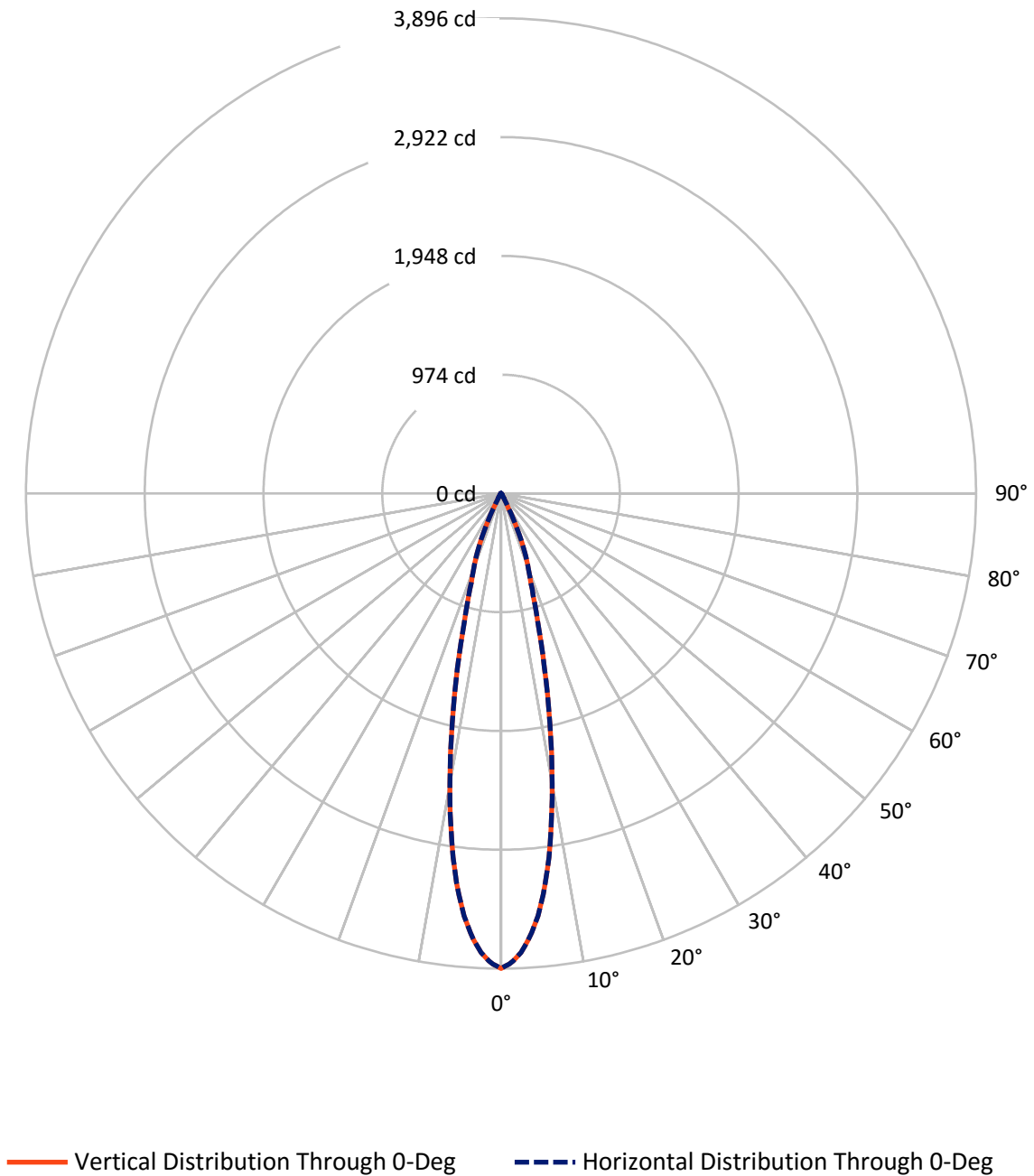
REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV

### Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.2	0.2	0.4	0.7	0.7	0.4	0.2	0.2	0.1	0.0	0.0		
30	0.0	0.0	0.1	0.1	0.2	0.7	3.2	8.1	8.1	3.2	0.7	0.2	0.1	0.1	0.0	0.0	
20		0.0	0.1	0.1	0.4	3.0	17.1	35.9	35.9	17.1	3.0	0.4	0.1	0.1	0.0		
10	0.0	0.0	0.1	0.2	0.6	7.5	35.0	87.8	87.8	35.0	7.5	0.6	0.2	0.1	0.0	0.0	
0		0.0	0.1	0.2	0.6	7.5	35.0	87.8	87.8	35.0	7.5	0.6	0.2	0.1	0.0		
-10	0.0	0.0	0.1	0.1	0.4	3.0	17.1	35.9	35.9	17.1	3.0	0.4	0.1	0.1	0.0	0.0	
-20		0.0	0.1	0.1	0.2	0.7	3.2	8.1	8.1	3.2	0.7	0.2	0.1	0.1	0.0		
-30	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.7	0.7	0.4	0.2	0.2	0.1	0.0	0.0	0.0	
-40		0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

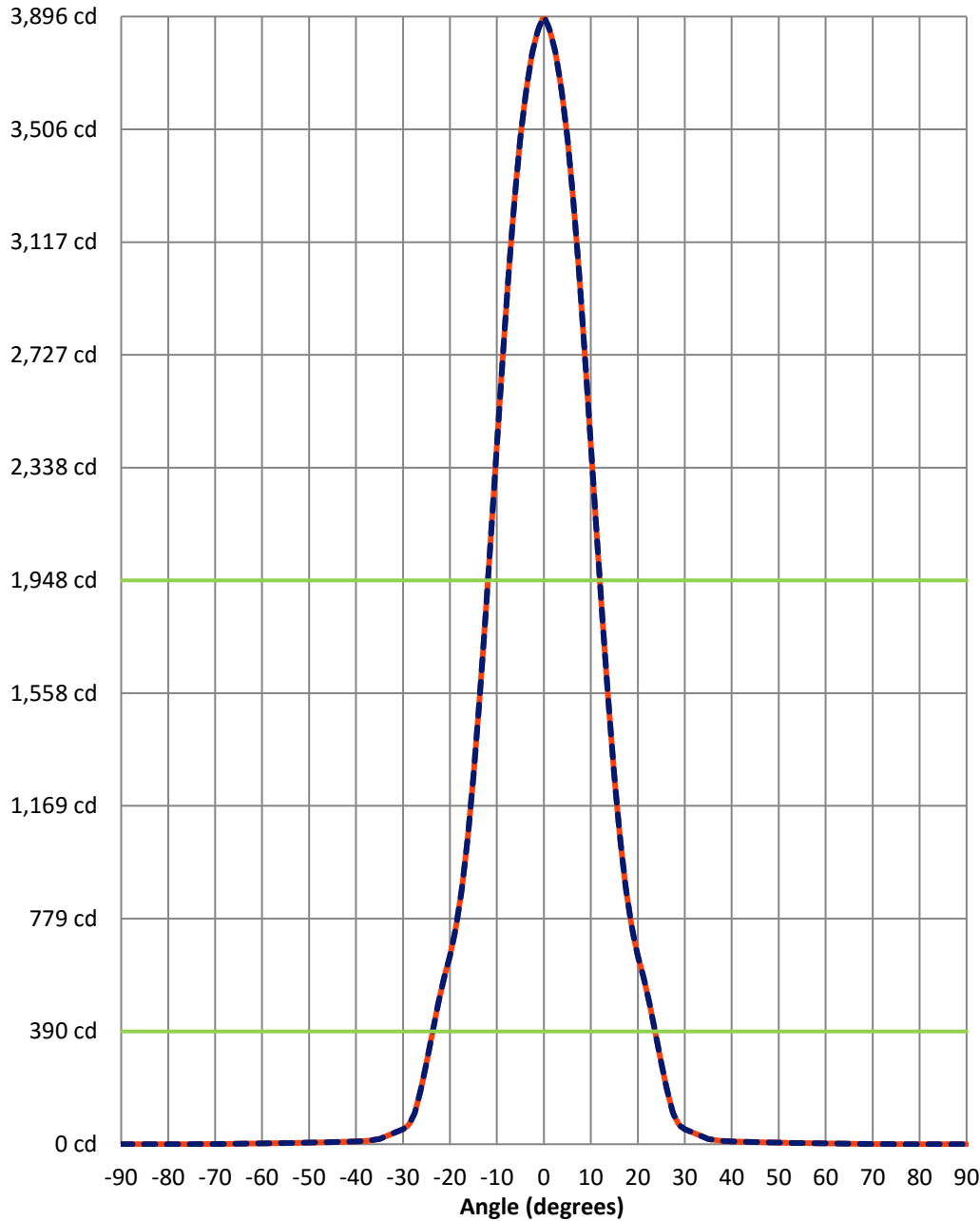
REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.8°  
 V Angle: 23.8°  
 Lumens: 381.1  
 Efficiency: 46.9%

**Field:**  
 H Angle: 47.4°  
 V Angle: 47.4°  
 Lumens: 731.8  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 80.1  
 Efficiency: 9.9%

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



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	0
47.5°	0	0	0	0	0	0	0	0	0	0	1
46.25°	0	0	0	0	0	0	0	0	0	0	1
45°	0	0	0	0	0	0	0	0	0	1	1
43.75°	0	0	0	0	0	0	0	0	0	1	1
42.5°	0	0	0	0	0	0	0	0	1	1	1
41.25°	0	0	0	0	0	0	0	0	1	1	1
40°	0	0	0	0	0	0	0	0	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	1	1	1	1	1



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	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	1	1	1	1	1	1
28.75°	0	0	0	0	0	1	1	1	1	1	1
27.5°	0	0	0	0	0	1	1	1	1	1	1
26.25°	0	0	0	0	0	1	1	1	1	1	1
25°	0	0	0	0	0	1	1	1	1	1	1
23.75°	0	0	0	0	1	1	1	1	1	1	1
22.5°	0	0	0	0	1	1	1	1	1	1	1
21.25°	0	0	0	0	1	1	1	1	1	1	2
20°	0	0	0	0	1	1	1	1	1	1	2
18.75°	0	0	0	0	1	1	1	1	1	1	2
17.5°	0	0	0	0	1	1	1	1	1	1	2
16.25°	0	0	0	0	1	1	1	1	1	1	2
15°	0	0	0	0	1	1	1	1	1	1	2
13.75°	0	0	0	0	1	1	1	1	1	2	2
12.5°	0	0	0	0	1	1	1	1	1	2	2
11.25°	0	0	0	1	1	1	1	1	1	2	2
10°	0	0	0	1	1	1	1	1	1	2	2
8.75°	0	0	0	1	1	1	1	1	1	2	2
7.5°	0	0	0	1	1	1	1	1	1	2	2
6.25°	0	0	0	1	1	1	1	1	1	2	2
5°	0	0	0	1	1	1	1	1	1	2	2
3.75°	0	0	0	1	1	1	1	1	1	2	2
2.5°	0	0	0	1	1	1	1	1	1	2	2
1.25°	0	0	0	1	1	1	1	1	1	2	2
0°	0	0	0	1	1	1	1	1	1	2	2
-1.25°	0	0	0	1	1	1	1	1	1	2	2
-2.5°	0	0	0	1	1	1	1	1	1	2	2
-3.75°	0	0	0	1	1	1	1	1	1	2	2
-5°	0	0	0	1	1	1	1	1	1	2	2
-6.25°	0	0	0	1	1	1	1	1	1	2	2
-7.5°	0	0	0	1	1	1	1	1	1	2	2
-8.75°	0	0	0	1	1	1	1	1	1	2	2
-10°	0	0	0	1	1	1	1	1	1	2	2
-11.25°	0	0	0	1	1	1	1	1	1	2	2
-12.5°	0	0	0	0	1	1	1	1	1	2	2
-13.75°	0	0	0	0	1	1	1	1	1	2	2
-15°	0	0	0	0	1	1	1	1	1	1	2
-16.25°	0	0	0	0	1	1	1	1	1	1	2
-17.5°	0	0	0	0	1	1	1	1	1	1	2
-18.75°	0	0	0	0	1	1	1	1	1	1	2
-20°	0	0	0	0	1	1	1	1	1	1	2
-21.25°	0	0	0	0	1	1	1	1	1	1	2



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	1	1	1	1
-23.75°	0	0	0	0	1	1	1	1	1	1	1
-25°	0	0	0	0	0	1	1	1	1	1	1
-26.25°	0	0	0	0	0	1	1	1	1	1	1
-27.5°	0	0	0	0	0	1	1	1	1	1	1
-28.75°	0	0	0	0	0	1	1	1	1	1	1
-30°	0	0	0	0	0	1	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	1	1	1	1	1
-35°	0	0	0	0	0	0	1	1	1	1	1
-36.25°	0	0	0	0	0	0	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	0	1	1	1
-41.25°	0	0	0	0	0	0	0	0	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	0	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	0	1
-47.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	0	1
61.25°	0	0	0	0	0	0	0	0	0	1	1
60°	0	0	0	0	0	0	0	1	1	1	1
58.75°	0	0	0	0	0	0	1	1	1	1	1
57.5°	0	0	0	0	0	1	1	1	1	1	1
56.25°	0	0	0	0	1	1	1	1	1	1	1
55°	0	0	0	1	1	1	1	1	1	1	1
53.75°	0	0	1	1	1	1	1	1	1	1	1
52.5°	0	0	1	1	1	1	1	1	1	1	1
51.25°	0	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	2
48.75°	1	1	1	1	1	1	1	1	1	2	2
47.5°	1	1	1	1	1	1	1	1	2	2	2
46.25°	1	1	1	1	1	1	1	1	2	2	2
45°	1	1	1	1	1	1	1	2	2	2	2
43.75°	1	1	1	1	1	1	2	2	2	2	2
42.5°	1	1	1	1	1	2	2	2	2	2	2
41.25°	1	1	1	1	1	2	2	2	2	2	3
40°	1	1	1	1	2	2	2	2	2	3	3
38.75°	1	1	1	1	2	2	2	2	2	3	3
37.5°	1	1	1	2	2	2	2	2	3	3	3
36.25°	1	1	1	2	2	2	2	2	3	3	3
35°	1	1	2	2	2	2	2	3	3	3	3



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	1	1	2	2	2	2	2	3	3	3	3
32.5°	1	1	2	2	2	2	3	3	3	3	3
31.25°	1	2	2	2	2	2	3	3	3	3	4
30°	1	2	2	2	2	3	3	3	3	3	4
28.75°	1	2	2	2	2	3	3	3	3	4	4
27.5°	2	2	2	2	2	3	3	3	3	4	4
26.25°	2	2	2	2	3	3	3	3	4	4	4
25°	2	2	2	2	3	3	3	3	4	4	4
23.75°	2	2	2	2	3	3	3	3	4	4	4
22.5°	2	2	2	3	3	3	3	4	4	4	4
21.25°	2	2	2	3	3	3	3	4	4	4	4
20°	2	2	2	3	3	3	3	4	4	4	4
18.75°	2	2	2	3	3	3	3	4	4	4	4
17.5°	2	2	2	3	3	3	4	4	4	4	5
16.25°	2	2	3	3	3	3	4	4	4	4	5
15°	2	2	3	3	3	3	4	4	4	4	5
13.75°	2	2	3	3	3	3	4	4	4	4	5
12.5°	2	2	3	3	3	3	4	4	4	5	5
11.25°	2	2	3	3	3	4	4	4	4	5	5
10°	2	2	3	3	3	4	4	4	4	5	5
8.75°	2	2	3	3	3	4	4	4	4	5	5
7.5°	2	2	3	3	3	4	4	4	4	5	5
6.25°	2	3	3	3	3	4	4	4	4	5	5
5°	2	3	3	3	3	4	4	4	4	5	6
3.75°	2	3	3	3	3	4	4	4	4	5	6
2.5°	2	3	3	3	3	4	4	4	4	5	6
1.25°	2	3	3	3	3	4	4	4	4	5	6
0°	2	3	3	3	3	4	4	4	5	5	6
-1.25°	2	3	3	3	3	4	4	4	4	5	6
-2.5°	2	3	3	3	3	4	4	4	4	5	6
-3.75°	2	3	3	3	3	4	4	4	4	5	6
-5°	2	3	3	3	3	4	4	4	4	5	6
-6.25°	2	3	3	3	3	4	4	4	4	5	5
-7.5°	2	2	3	3	3	4	4	4	4	5	5
-8.75°	2	2	3	3	3	4	4	4	4	5	5
-10°	2	2	3	3	3	4	4	4	4	5	5
-11.25°	2	2	3	3	3	4	4	4	4	5	5
-12.5°	2	2	3	3	3	3	4	4	4	5	5
-13.75°	2	2	3	3	3	3	4	4	4	4	5
-15°	2	2	3	3	3	3	4	4	4	4	5
-16.25°	2	2	3	3	3	3	4	4	4	4	5
-17.5°	2	2	2	3	3	3	4	4	4	4	5
-18.75°	2	2	2	3	3	3	3	4	4	4	4
-20°	2	2	2	3	3	3	3	4	4	4	4
-21.25°	2	2	2	3	3	3	3	4	4	4	4





REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	2	2	3	3	3	3	4	4	4	4
-23.75°	2	2	2	2	3	3	3	3	4	4	4
-25°	2	2	2	2	3	3	3	3	4	4	4
-26.25°	2	2	2	2	3	3	3	3	4	4	4
-27.5°	2	2	2	2	2	3	3	3	3	4	4
-28.75°	1	2	2	2	2	3	3	3	3	4	4
-30°	1	2	2	2	2	3	3	3	3	3	4
-31.25°	1	2	2	2	2	2	3	3	3	3	4
-32.5°	1	1	2	2	2	2	3	3	3	3	3
-33.75°	1	1	2	2	2	2	2	3	3	3	3
-35°	1	1	2	2	2	2	2	3	3	3	3
-36.25°	1	1	1	2	2	2	2	2	3	3	3
-37.5°	1	1	1	2	2	2	2	2	3	3	3
-38.75°	1	1	1	1	2	2	2	2	2	3	3
-40°	1	1	1	1	2	2	2	2	2	3	3
-41.25°	1	1	1	1	1	2	2	2	2	2	3
-42.5°	1	1	1	1	1	2	2	2	2	2	2
-43.75°	1	1	1	1	1	1	2	2	2	2	2
-45°	1	1	1	1	1	1	1	2	2	2	2
-46.25°	1	1	1	1	1	1	1	1	2	2	2
-47.5°	1	1	1	1	1	1	1	1	2	2	2
-48.75°	1	1	1	1	1	1	1	1	1	2	2
-50°	1	1	1	1	1	1	1	1	1	1	2
-51.25°	0	1	1	1	1	1	1	1	1	1	1
-52.5°	0	0	1	1	1	1	1	1	1	1	1
-53.75°	0	0	1	1	1	1	1	1	1	1	1
-55°	0	0	0	1	1	1	1	1	1	1	1
-56.25°	0	0	0	0	1	1	1	1	1	1	1
-57.5°	0	0	0	0	0	1	1	1	1	1	1
-58.75°	0	0	0	0	0	0	1	1	1	1	1
-60°	0	0	0	0	0	0	0	1	1	1	1
-61.25°	0	0	0	0	0	0	0	0	0	1	1
-62.5°	0	0	0	0	0	0	0	0	0	0	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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	0	0
67.5°	0	0	0	0	0	0	0	0	1	1	1
66.25°	0	0	0	0	0	1	1	1	1	1	1
65°	0	0	0	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	2	2
57.5°	1	1	1	1	1	1	1	2	2	2	2
56.25°	1	1	1	1	1	2	2	2	2	2	2
55°	1	1	1	1	2	2	2	2	2	2	2
53.75°	1	1	1	2	2	2	2	2	2	2	2
52.5°	1	2	2	2	2	2	2	2	2	3	3
51.25°	2	2	2	2	2	2	2	3	3	3	3
50°	2	2	2	2	2	2	3	3	3	3	3
48.75°	2	2	2	2	2	3	3	3	3	3	3
47.5°	2	2	2	3	3	3	3	3	3	3	4
46.25°	2	2	3	3	3	3	3	3	3	4	4
45°	2	3	3	3	3	3	3	3	4	4	4
43.75°	2	3	3	3	3	3	3	4	4	4	4
42.5°	3	3	3	3	3	3	4	4	4	4	4
41.25°	3	3	3	3	3	4	4	4	4	4	4
40°	3	3	3	3	4	4	4	4	4	4	5
38.75°	3	3	3	4	4	4	4	4	4	5	5
37.5°	3	3	4	4	4	4	4	4	5	5	6
36.25°	3	4	4	4	4	4	4	5	5	6	6
35°	3	4	4	4	4	4	5	5	5	6	6



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	4	4	4	4	4	5	5	5	6	6	6
32.5°	4	4	4	4	5	5	5	6	6	6	6
31.25°	4	4	4	4	5	5	6	6	6	6	7
30°	4	4	4	5	5	5	6	6	6	7	7
28.75°	4	4	4	5	5	6	6	6	6	7	7
27.5°	4	4	5	5	6	6	6	6	7	7	8
26.25°	4	4	5	5	6	6	6	7	7	7	8
25°	4	5	5	6	6	6	6	7	7	8	8
23.75°	4	5	5	6	6	6	7	7	8	8	9
22.5°	5	5	5	6	6	6	7	7	8	8	9
21.25°	5	5	6	6	6	7	7	8	8	9	9
20°	5	5	6	6	6	7	7	8	8	9	9
18.75°	5	5	6	6	6	7	7	8	9	9	10
17.5°	5	6	6	6	7	7	8	8	9	9	10
16.25°	5	6	6	6	7	7	8	8	9	9	10
15°	5	6	6	6	7	7	8	9	9	10	11
13.75°	6	6	6	7	7	8	8	9	9	10	11
12.5°	6	6	6	7	7	8	8	9	9	10	11
11.25°	6	6	6	7	7	8	9	9	10	11	12
10°	6	6	6	7	7	8	9	9	10	11	12
8.75°	6	6	6	7	8	8	9	9	10	11	13
7.5°	6	6	7	7	8	8	9	9	10	11	13
6.25°	6	6	7	7	8	8	9	9	10	11	14
5°	6	6	7	7	8	8	9	9	10	12	14
3.75°	6	6	7	7	8	8	9	10	11	12	14
2.5°	6	6	7	7	8	8	9	10	11	12	15
1.25°	6	6	7	7	8	8	9	10	11	12	15
0°	6	6	7	7	8	9	9	10	11	12	15
-1.25°	6	6	7	7	8	8	9	10	11	12	15
-2.5°	6	6	7	7	8	8	9	10	11	12	15
-3.75°	6	6	7	7	8	8	9	10	11	12	14
-5°	6	6	7	7	8	8	9	9	10	12	14
-6.25°	6	6	7	7	8	8	9	9	10	11	14
-7.5°	6	6	7	7	8	8	9	9	10	11	13
-8.75°	6	6	6	7	8	8	9	9	10	11	13
-10°	6	6	6	7	7	8	9	9	10	11	12
-11.25°	6	6	6	7	7	8	9	9	10	11	12
-12.5°	6	6	6	7	7	8	8	9	9	10	11
-13.75°	6	6	6	7	7	8	8	9	9	10	11
-15°	5	6	6	6	7	7	8	9	9	10	11
-16.25°	5	6	6	6	7	7	8	8	9	9	10
-17.5°	5	6	6	6	7	7	8	8	9	9	10
-18.75°	5	5	6	6	6	7	7	8	9	9	10
-20°	5	5	6	6	6	7	7	8	8	9	9
-21.25°	5	5	6	6	6	7	7	8	8	9	9



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	5	5	5	6	6	6	7	7	8	8	9
-23.75°	4	5	5	6	6	6	7	7	8	8	9
-25°	4	5	5	6	6	6	6	7	7	8	8
-26.25°	4	4	5	5	6	6	6	7	7	7	8
-27.5°	4	4	5	5	6	6	6	6	7	7	8
-28.75°	4	4	4	5	5	6	6	6	6	7	7
-30°	4	4	4	5	5	5	6	6	6	7	7
-31.25°	4	4	4	4	5	5	6	6	6	6	7
-32.5°	4	4	4	4	5	5	5	6	6	6	6
-33.75°	4	4	4	4	4	5	5	5	6	6	6
-35°	3	4	4	4	4	4	5	5	5	6	6
-36.25°	3	4	4	4	4	4	4	5	5	6	6
-37.5°	3	3	4	4	4	4	4	4	5	5	6
-38.75°	3	3	3	4	4	4	4	4	4	5	5
-40°	3	3	3	3	4	4	4	4	4	4	5
-41.25°	3	3	3	3	3	4	4	4	4	4	4
-42.5°	3	3	3	3	3	3	4	4	4	4	4
-43.75°	2	3	3	3	3	3	3	4	4	4	4
-45°	2	3	3	3	3	3	3	3	4	4	4
-46.25°	2	2	3	3	3	3	3	3	3	4	4
-47.5°	2	2	2	3	3	3	3	3	3	3	4
-48.75°	2	2	2	2	2	3	3	3	3	3	3
-50°	2	2	2	2	2	2	3	3	3	3	3
-51.25°	2	2	2	2	2	2	2	3	3	3	3
-52.5°	1	2	2	2	2	2	2	2	2	3	3
-53.75°	1	1	1	2	2	2	2	2	2	2	2
-55°	1	1	1	1	2	2	2	2	2	2	2
-56.25°	1	1	1	1	1	2	2	2	2	2	2
-57.5°	1	1	1	1	1	1	1	2	2	2	2
-58.75°	1	1	1	1	1	1	1	1	1	2	2
-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	0	0	1	1	1	1	1	1	1	1
-66.25°	0	0	0	0	0	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	1	1	1
-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	0	0	0	1	1
70°	0	0	0	0	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	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	2	2	2	2	2
61.25°	1	1	1	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	3
57.5°	2	2	2	2	2	2	2	3	3	3	3
56.25°	2	2	2	2	3	3	3	3	3	3	3
55°	2	2	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	4
52.5°	3	3	3	3	3	3	3	4	4	4	4
51.25°	3	3	3	3	3	4	4	4	4	4	4
50°	3	3	3	4	4	4	4	4	4	4	4
48.75°	3	4	4	4	4	4	4	4	4	4	5
47.5°	4	4	4	4	4	4	4	4	5	5	5
46.25°	4	4	4	4	4	4	5	5	5	5	5
45°	4	4	4	4	5	5	5	5	6	6	6
43.75°	4	4	5	5	5	5	6	6	6	6	6
42.5°	4	5	5	5	5	6	6	6	6	6	6
41.25°	5	5	5	6	6	6	6	6	6	7	7
40°	5	5	6	6	6	6	6	7	7	7	7
38.75°	5	6	6	6	6	6	7	7	7	8	8
37.5°	6	6	6	6	7	7	7	7	8	8	8
36.25°	6	6	6	7	7	7	8	8	8	9	9
35°	6	6	7	7	7	8	8	8	9	9	9



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	6	7	7	7	8	8	9	9	9	9	10
32.5°	7	7	7	8	8	9	9	9	10	10	11
31.25°	7	7	8	8	9	9	9	10	10	11	12
30°	7	8	8	9	9	9	10	10	11	12	13
28.75°	8	8	9	9	9	10	11	11	12	14	16
27.5°	8	9	9	9	10	11	11	12	14	16	18
26.25°	8	9	9	10	10	11	12	14	16	19	24
25°	9	9	10	10	11	12	14	16	20	25	31
23.75°	9	9	10	11	12	14	16	19	25	31	37
22.5°	9	10	11	12	13	16	18	24	31	37	42
21.25°	9	10	11	13	15	17	23	30	36	42	48
20°	10	11	12	14	17	21	28	34	41	47	54
18.75°	10	11	13	16	19	26	32	39	46	53	61
17.5°	11	12	14	17	23	30	37	44	51	59	78
16.25°	11	13	16	19	26	34	41	48	56	72	108
15°	12	14	17	23	30	37	45	52	63	90	145
13.75°	12	15	18	26	33	41	48	57	76	121	190
12.5°	13	16	21	29	36	44	52	63	95	156	235
11.25°	14	17	23	31	39	47	56	74	119	192	279
10°	15	18	26	34	42	50	60	85	146	229	320
8.75°	16	20	28	36	44	52	66	104	175	263	358
7.5°	16	22	30	38	46	55	74	121	200	294	391
6.25°	17	23	31	40	48	58	80	137	224	321	420
5°	17	24	33	41	49	59	88	154	244	343	444
3.75°	18	25	34	42	50	61	96	167	260	361	462
2.5°	18	26	34	43	51	64	103	177	271	373	475
1.25°	18	26	35	43	52	66	107	183	278	381	483
0°	18	26	35	43	52	66	108	185	281	384	485
-1.25°	18	26	35	43	52	66	107	183	278	381	483
-2.5°	18	26	34	43	51	64	103	177	271	373	475
-3.75°	18	25	34	42	50	61	96	167	260	361	462
-5°	17	24	33	41	49	59	88	154	244	343	444
-6.25°	17	23	31	40	48	58	80	137	224	321	420
-7.5°	16	22	30	38	46	55	74	121	200	294	391
-8.75°	16	20	28	36	44	52	66	104	175	263	358
-10°	15	18	26	34	42	50	60	85	146	229	320
-11.25°	14	17	23	31	39	47	56	74	119	192	279
-12.5°	13	16	21	29	36	44	52	63	95	156	235
-13.75°	12	15	18	26	33	41	48	57	76	121	190
-15°	12	14	17	23	30	37	45	52	63	90	145
-16.25°	11	13	16	19	26	34	41	48	56	72	108
-17.5°	11	12	14	17	23	30	37	44	51	59	78
-18.75°	10	11	13	16	19	26	32	39	46	53	61
-20°	10	11	12	14	17	21	28	34	41	47	54
-21.25°	9	10	11	13	15	17	23	30	36	42	48





REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	9	10	11	12	13	16	18	24	31	37	42
-23.75°	9	9	10	11	12	14	16	19	25	31	37
-25°	9	9	10	10	11	12	14	16	20	25	31
-26.25°	8	9	9	10	10	11	12	14	16	19	24
-27.5°	8	9	9	9	10	11	11	12	14	16	18
-28.75°	8	8	9	9	9	10	11	11	12	14	16
-30°	7	8	8	9	9	9	10	10	11	12	13
-31.25°	7	7	8	8	9	9	9	10	10	11	12
-32.5°	7	7	7	8	8	9	9	9	10	10	11
-33.75°	6	7	7	7	8	8	9	9	9	9	10
-35°	6	6	7	7	7	8	8	8	9	9	9
-36.25°	6	6	6	7	7	7	8	8	8	9	9
-37.5°	6	6	6	6	7	7	7	7	8	8	8
-38.75°	5	6	6	6	6	6	7	7	7	8	8
-40°	5	5	6	6	6	6	6	7	7	7	7
-41.25°	5	5	5	6	6	6	6	6	6	7	7
-42.5°	4	5	5	5	5	6	6	6	6	6	6
-43.75°	4	4	5	5	5	5	6	6	6	6	6
-45°	4	4	4	4	5	5	5	5	6	6	6
-46.25°	4	4	4	4	4	4	5	5	5	5	5
-47.5°	4	4	4	4	4	4	4	4	5	5	5
-48.75°	3	4	4	4	4	4	4	4	4	4	5
-50°	3	3	3	4	4	4	4	4	4	4	4
-51.25°	3	3	3	3	3	4	4	4	4	4	4
-52.5°	3	3	3	3	3	3	3	4	4	4	4
-53.75°	3	3	3	3	3	3	3	3	3	3	4
-55°	2	2	3	3	3	3	3	3	3	3	3
-56.25°	2	2	2	2	3	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	1	1	1	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	1	2	2	2	2	2
-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	1
-68.75°	1	1	1	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	0	0	0	0	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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	0	0	0	0	0	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	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	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	4	4	4
55°	3	3	3	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	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	5	5	5	5
50°	4	4	4	5	5	5	5	5	5	5	5
48.75°	5	5	5	5	5	5	6	6	6	6	6
47.5°	5	5	5	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	6	7	7	7	7	7	7	7	8
42.5°	7	7	7	7	7	7	8	8	8	8	8
41.25°	7	7	7	8	8	8	8	8	9	9	9
40°	8	8	8	8	8	9	9	9	9	9	9
38.75°	8	8	9	9	9	9	9	9	10	10	10
37.5°	9	9	9	9	9	10	10	10	11	11	11
36.25°	9	9	10	10	10	11	11	11	12	12	13
35°	9	10	10	11	11	12	12	13	14	15	16



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	10	11	11	12	13	14	15	16	17	18	20
32.5°	11	12	13	14	16	17	18	21	23	26	28
31.25°	13	14	16	17	19	23	26	29	31	34	36
30°	15	17	19	23	26	30	33	36	39	42	44
28.75°	17	21	26	30	34	37	41	44	47	50	52
27.5°	23	28	32	37	41	45	48	52	56	60	66
26.25°	30	34	39	44	48	52	57	63	74	85	104
25°	36	41	46	51	56	63	76	95	119	146	175
23.75°	42	47	53	59	72	90	121	156	192	229	263
22.5°	48	54	61	78	108	145	190	235	279	320	358
21.25°	55	64	82	119	166	217	270	321	369	414	453
20°	64	84	125	179	237	296	354	408	459	504	541
18.75°	82	125	183	247	312	376	437	493	541	581	614
17.5°	119	179	247	317	387	454	515	566	609	646	686
16.25°	166	237	312	387	460	527	581	627	674	722	780
15°	217	296	376	454	527	586	637	691	754	822	901
13.75°	270	354	437	515	581	637	697	770	855	947	1051
12.5°	321	408	493	566	627	691	770	866	975	1096	1231
11.25°	369	459	541	609	674	754	855	975	1114	1270	1428
10°	414	504	581	646	722	822	947	1096	1270	1450	1635
8.75°	453	541	614	686	780	901	1051	1231	1428	1635	1842
7.5°	487	572	642	723	836	979	1157	1362	1583	1813	2044
6.25°	516	597	670	765	893	1055	1257	1481	1726	1978	2233
5°	538	616	695	801	942	1126	1348	1593	1854	2127	2399
3.75°	554	631	714	832	989	1189	1422	1682	1960	2249	2535
2.5°	566	642	731	858	1023	1234	1477	1751	2041	2340	2637
1.25°	573	649	742	873	1044	1262	1514	1793	2090	2397	2700
0°	575	651	746	879	1051	1271	1526	1807	2107	2416	2721
-1.25°	573	649	742	873	1044	1262	1514	1793	2090	2397	2700
-2.5°	566	642	731	858	1023	1234	1477	1751	2041	2340	2637
-3.75°	554	631	714	832	989	1189	1422	1682	1960	2249	2535
-5°	538	616	695	801	942	1126	1348	1593	1854	2127	2399
-6.25°	516	597	670	765	893	1055	1257	1481	1726	1978	2233
-7.5°	487	572	642	723	836	979	1157	1362	1583	1813	2044
-8.75°	453	541	614	686	780	901	1051	1231	1428	1635	1842
-10°	414	504	581	646	722	822	947	1096	1270	1450	1635
-11.25°	369	459	541	609	674	754	855	975	1114	1270	1428
-12.5°	321	408	493	566	627	691	770	866	975	1096	1231
-13.75°	270	354	437	515	581	637	697	770	855	947	1051
-15°	217	296	376	454	527	586	637	691	754	822	901
-16.25°	166	237	312	387	460	527	581	627	674	722	780
-17.5°	119	179	247	317	387	454	515	566	609	646	686
-18.75°	82	125	183	247	312	376	437	493	541	581	614
-20°	64	84	125	179	237	296	354	408	459	504	541
-21.25°	55	64	82	119	166	217	270	321	369	414	453



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	48	54	61	78	108	145	190	235	279	320	358
-23.75°	42	47	53	59	72	90	121	156	192	229	263
-25°	36	41	46	51	56	63	76	95	119	146	175
-26.25°	30	34	39	44	48	52	57	63	74	85	104
-27.5°	23	28	32	37	41	45	48	52	56	60	66
-28.75°	17	21	26	30	34	37	41	44	47	50	52
-30°	15	17	19	23	26	30	33	36	39	42	44
-31.25°	13	14	16	17	19	23	26	29	31	34	36
-32.5°	11	12	13	14	16	17	18	21	23	26	28
-33.75°	10	11	11	12	13	14	15	16	17	18	20
-35°	9	10	10	11	11	12	12	13	14	15	16
-36.25°	9	9	10	10	10	11	11	11	12	12	13
-37.5°	9	9	9	9	9	10	10	10	11	11	11
-38.75°	8	8	9	9	9	9	9	9	10	10	10
-40°	8	8	8	8	8	9	9	9	9	9	9
-41.25°	7	7	7	8	8	8	8	8	9	9	9
-42.5°	7	7	7	7	7	7	8	8	8	8	8
-43.75°	6	6	6	7	7	7	7	7	7	7	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°	5	5	5	6	6	6	6	6	6	6	6
-48.75°	5	5	5	5	5	5	6	6	6	6	6
-50°	4	4	4	5	5	5	5	5	5	5	5
-51.25°	4	4	4	4	4	4	4	5	5	5	5
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	3	3	3	4	4	4	4	4	4	4	4
-56.25°	3	3	3	3	3	3	3	3	4	4	4
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	3	3	3	3	3	3	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°	1	1	1	1	1	1	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	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	0	0	0	0	0	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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	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	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	5	4	4	4	4
51.25°	5	5	5	5	5	5	5	5	5	5	5
50°	5	5	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°	7	7	7	7	7	7	7	7	7	7	7
43.75°	8	8	8	8	8	8	8	8	8	8	8
42.5°	8	8	8	8	8	8	9	8	8	8	8
41.25°	9	9	9	9	9	9	9	9	9	9	9
40°	9	9	9	10	10	10	10	10	10	10	9
38.75°	10	10	10	11	11	11	11	11	11	11	10
37.5°	11	11	12	12	12	12	12	12	12	12	12
36.25°	13	14	14	14	15	15	15	15	15	14	14
35°	16	17	17	18	18	18	18	18	18	18	17



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	22	23	24	25	26	26	26	26	26	25	24
32.5°	30	31	33	34	34	35	35	35	34	34	33
31.25°	38	40	41	42	43	43	43	43	43	42	41
30°	46	48	49	50	51	52	52	52	51	50	49
28.75°	55	58	59	61	64	66	66	66	64	61	59
27.5°	74	80	88	96	103	107	108	107	103	96	88
26.25°	121	137	154	167	177	183	185	183	177	167	154
25°	200	224	244	260	271	278	281	278	271	260	244
23.75°	294	321	343	361	373	381	384	381	373	361	343
22.5°	391	420	444	462	475	483	485	483	475	462	444
21.25°	487	516	538	554	566	573	575	573	566	554	538
20°	572	597	616	631	642	649	651	649	642	631	616
18.75°	642	670	695	714	731	742	746	742	731	714	695
17.5°	723	765	801	832	858	873	879	873	858	832	801
16.25°	836	893	942	989	1023	1044	1051	1044	1023	989	942
15°	979	1055	1126	1189	1234	1262	1271	1262	1234	1189	1126
13.75°	1157	1257	1348	1422	1477	1514	1526	1514	1477	1422	1348
12.5°	1362	1481	1593	1682	1751	1793	1807	1793	1751	1682	1593
11.25°	1583	1726	1854	1960	2041	2090	2107	2090	2041	1960	1854
10°	1813	1978	2127	2249	2340	2397	2416	2397	2340	2249	2127
8.75°	2044	2233	2399	2535	2637	2700	2721	2700	2637	2535	2399
7.5°	2269	2477	2660	2809	2921	2987	3009	2987	2921	2809	2660
6.25°	2477	2702	2900	3057	3172	3241	3265	3241	3172	3057	2900
5°	2660	2900	3105	3265	3381	3453	3478	3453	3381	3265	3105
3.75°	2809	3057	3265	3428	3546	3621	3644	3621	3546	3428	3265
2.5°	2921	3172	3381	3546	3668	3745	3769	3745	3668	3546	3381
1.25°	2987	3241	3453	3621	3745	3822	3851	3822	3745	3621	3453
0°	3009	3265	3478	3644	3769	3851	3896	3851	3769	3644	3478
-1.25°	2987	3241	3453	3621	3745	3822	3851	3822	3745	3621	3453
-2.5°	2921	3172	3381	3546	3668	3745	3769	3745	3668	3546	3381
-3.75°	2809	3057	3265	3428	3546	3621	3644	3621	3546	3428	3265
-5°	2660	2900	3105	3265	3381	3453	3478	3453	3381	3265	3105
-6.25°	2477	2702	2900	3057	3172	3241	3265	3241	3172	3057	2900
-7.5°	2269	2477	2660	2809	2921	2987	3009	2987	2921	2809	2660
-8.75°	2044	2233	2399	2535	2637	2700	2721	2700	2637	2535	2399
-10°	1813	1978	2127	2249	2340	2397	2416	2397	2340	2249	2127
-11.25°	1583	1726	1854	1960	2041	2090	2107	2090	2041	1960	1854
-12.5°	1362	1481	1593	1682	1751	1793	1807	1793	1751	1682	1593
-13.75°	1157	1257	1348	1422	1477	1514	1526	1514	1477	1422	1348
-15°	979	1055	1126	1189	1234	1262	1271	1262	1234	1189	1126
-16.25°	836	893	942	989	1023	1044	1051	1044	1023	989	942
-17.5°	723	765	801	832	858	873	879	873	858	832	801
-18.75°	642	670	695	714	731	742	746	742	731	714	695
-20°	572	597	616	631	642	649	651	649	642	631	616
-21.25°	487	516	538	554	566	573	575	573	566	554	538





REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	391	420	444	462	475	483	485	483	475	462	444
-23.75°	294	321	343	361	373	381	384	381	373	361	343
-25°	200	224	244	260	271	278	281	278	271	260	244
-26.25°	121	137	154	167	177	183	185	183	177	167	154
-27.5°	74	80	88	96	103	107	108	107	103	96	88
-28.75°	55	58	59	61	64	66	66	66	64	61	59
-30°	46	48	49	50	51	52	52	52	51	50	49
-31.25°	38	40	41	42	43	43	43	43	43	42	41
-32.5°	30	31	33	34	34	35	35	35	34	34	33
-33.75°	22	23	24	25	26	26	26	26	26	25	24
-35°	16	17	17	18	18	18	18	18	18	18	17
-36.25°	13	14	14	14	15	15	15	15	15	14	14
-37.5°	11	11	12	12	12	12	12	12	12	12	12
-38.75°	10	10	10	11	11	11	11	11	11	11	10
-40°	9	9	9	10	10	10	10	10	10	10	9
-41.25°	9	9	9	9	9	9	9	9	9	9	9
-42.5°	8	8	8	8	8	8	9	8	8	8	8
-43.75°	8	8	8	8	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	7	7	7	7	7
-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°	5	5	6	6	6	6	6	6	6	6	6
-51.25°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	4	4	4	4	4	4	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°	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	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	2	1	1	1	1
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	2	2
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	4	4	4	4	4	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	4	4	3
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	4
51.25°	5	5	5	5	5	5	4	4	4	4	4
50°	5	5	5	5	5	5	5	5	5	5	4
48.75°	6	6	6	6	6	6	6	5	5	5	5
47.5°	6	6	6	6	6	6	6	6	6	6	5
46.25°	7	7	6	6	6	6	6	6	6	6	6
45°	7	7	7	7	7	7	7	6	6	6	6
43.75°	8	8	8	7	7	7	7	7	7	7	6
42.5°	8	8	8	8	8	8	8	7	7	7	7
41.25°	9	9	9	9	9	8	8	8	8	8	7
40°	9	9	9	9	9	9	9	9	8	8	8
38.75°	10	10	10	10	10	9	9	9	9	9	9
37.5°	11	11	11	11	11	10	10	10	9	9	9
36.25°	14	13	13	12	12	11	11	11	10	10	10
35°	17	16	16	15	14	13	12	12	11	11	10



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	23	22	20	18	17	16	15	14	13	12	11
32.5°	31	30	28	26	23	21	18	17	16	14	13
31.25°	40	38	36	34	31	29	26	23	19	17	16
30°	48	46	44	42	39	36	33	30	26	23	19
28.75°	58	55	52	50	47	44	41	37	34	30	26
27.5°	80	74	66	60	56	52	48	45	41	37	32
26.25°	137	121	104	85	74	63	57	52	48	44	39
25°	224	200	175	146	119	95	76	63	56	51	46
23.75°	321	294	263	229	192	156	121	90	72	59	53
22.5°	420	391	358	320	279	235	190	145	108	78	61
21.25°	516	487	453	414	369	321	270	217	166	119	82
20°	597	572	541	504	459	408	354	296	237	179	125
18.75°	670	642	614	581	541	493	437	376	312	247	183
17.5°	765	723	686	646	609	566	515	454	387	317	247
16.25°	893	836	780	722	674	627	581	527	460	387	312
15°	1055	979	901	822	754	691	637	586	527	454	376
13.75°	1257	1157	1051	947	855	770	697	637	581	515	437
12.5°	1481	1362	1231	1096	975	866	770	691	627	566	493
11.25°	1726	1583	1428	1270	1114	975	855	754	674	609	541
10°	1978	1813	1635	1450	1270	1096	947	822	722	646	581
8.75°	2233	2044	1842	1635	1428	1231	1051	901	780	686	614
7.5°	2477	2269	2044	1813	1583	1362	1157	979	836	723	642
6.25°	2702	2477	2233	1978	1726	1481	1257	1055	893	765	670
5°	2900	2660	2399	2127	1854	1593	1348	1126	942	801	695
3.75°	3057	2809	2535	2249	1960	1682	1422	1189	989	832	714
2.5°	3172	2921	2637	2340	2041	1751	1477	1234	1023	858	731
1.25°	3241	2987	2700	2397	2090	1793	1514	1262	1044	873	742
0°	3265	3009	2721	2416	2107	1807	1526	1271	1051	879	746
-1.25°	3241	2987	2700	2397	2090	1793	1514	1262	1044	873	742
-2.5°	3172	2921	2637	2340	2041	1751	1477	1234	1023	858	731
-3.75°	3057	2809	2535	2249	1960	1682	1422	1189	989	832	714
-5°	2900	2660	2399	2127	1854	1593	1348	1126	942	801	695
-6.25°	2702	2477	2233	1978	1726	1481	1257	1055	893	765	670
-7.5°	2477	2269	2044	1813	1583	1362	1157	979	836	723	642
-8.75°	2233	2044	1842	1635	1428	1231	1051	901	780	686	614
-10°	1978	1813	1635	1450	1270	1096	947	822	722	646	581
-11.25°	1726	1583	1428	1270	1114	975	855	754	674	609	541
-12.5°	1481	1362	1231	1096	975	866	770	691	627	566	493
-13.75°	1257	1157	1051	947	855	770	697	637	581	515	437
-15°	1055	979	901	822	754	691	637	586	527	454	376
-16.25°	893	836	780	722	674	627	581	527	460	387	312
-17.5°	765	723	686	646	609	566	515	454	387	317	247
-18.75°	670	642	614	581	541	493	437	376	312	247	183
-20°	597	572	541	504	459	408	354	296	237	179	125
-21.25°	516	487	453	414	369	321	270	217	166	119	82



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	420	391	358	320	279	235	190	145	108	78	61
-23.75°	321	294	263	229	192	156	121	90	72	59	53
-25°	224	200	175	146	119	95	76	63	56	51	46
-26.25°	137	121	104	85	74	63	57	52	48	44	39
-27.5°	80	74	66	60	56	52	48	45	41	37	32
-28.75°	58	55	52	50	47	44	41	37	34	30	26
-30°	48	46	44	42	39	36	33	30	26	23	19
-31.25°	40	38	36	34	31	29	26	23	19	17	16
-32.5°	31	30	28	26	23	21	18	17	16	14	13
-33.75°	23	22	20	18	17	16	15	14	13	12	11
-35°	17	16	16	15	14	13	12	12	11	11	10
-36.25°	14	13	13	12	12	11	11	11	10	10	10
-37.5°	11	11	11	11	11	10	10	10	9	9	9
-38.75°	10	10	10	10	10	9	9	9	9	9	9
-40°	9	9	9	9	9	9	9	9	8	8	8
-41.25°	9	9	9	9	9	8	8	8	8	8	7
-42.5°	8	8	8	8	8	8	8	7	7	7	7
-43.75°	8	8	8	7	7	7	7	7	7	7	6
-45°	7	7	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	5
-48.75°	6	6	6	6	6	6	6	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	4
-51.25°	5	5	5	5	5	5	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	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	3
-56.25°	4	4	4	4	4	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	2	2
-61.25°	3	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	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	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	0	0	0	0	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	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	2	2	1	1	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	1	1	1	1
61.25°	2	2	2	2	2	2	2	2	2	2	1
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	3	3	3	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	2	2	2	2	2
56.25°	3	3	3	3	3	3	3	3	3	2	2
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	4	4	4	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	3	3	3	3	3
51.25°	4	4	4	4	4	4	4	4	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	3
48.75°	5	5	5	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	4	4	4	4	4	4
46.25°	6	6	5	5	5	5	5	4	4	4	4
45°	6	6	6	6	6	5	5	5	5	4	4
43.75°	6	6	6	6	6	6	6	5	5	5	5
42.5°	7	7	6	6	6	6	6	6	5	5	5
41.25°	7	7	7	7	6	6	6	6	6	6	5
40°	8	8	7	7	7	7	6	6	6	6	6
38.75°	8	8	8	8	7	7	7	6	6	6	6
37.5°	9	9	8	8	8	7	7	7	7	6	6
36.25°	9	9	9	9	8	8	8	7	7	7	6
35°	10	9	9	9	9	8	8	8	7	7	7



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	11	10	10	9	9	9	9	8	8	7	7
32.5°	12	11	11	10	10	9	9	9	8	8	7
31.25°	14	13	12	11	10	10	9	9	9	8	8
30°	17	15	13	12	11	10	10	9	9	9	8
28.75°	21	17	16	14	12	11	11	10	9	9	9
27.5°	28	23	18	16	14	12	11	11	10	9	9
26.25°	34	30	24	19	16	14	12	11	10	10	9
25°	41	36	31	25	20	16	14	12	11	10	10
23.75°	47	42	37	31	25	19	16	14	12	11	10
22.5°	54	48	42	37	31	24	18	16	13	12	11
21.25°	64	55	48	42	36	30	23	17	15	13	11
20°	84	64	54	47	41	34	28	21	17	14	12
18.75°	125	82	61	53	46	39	32	26	19	16	13
17.5°	179	119	78	59	51	44	37	30	23	17	14
16.25°	237	166	108	72	56	48	41	34	26	19	16
15°	296	217	145	90	63	52	45	37	30	23	17
13.75°	354	270	190	121	76	57	48	41	33	26	18
12.5°	408	321	235	156	95	63	52	44	36	29	21
11.25°	459	369	279	192	119	74	56	47	39	31	23
10°	504	414	320	229	146	85	60	50	42	34	26
8.75°	541	453	358	263	175	104	66	52	44	36	28
7.5°	572	487	391	294	200	121	74	55	46	38	30
6.25°	597	516	420	321	224	137	80	58	48	40	31
5°	616	538	444	343	244	154	88	59	49	41	33
3.75°	631	554	462	361	260	167	96	61	50	42	34
2.5°	642	566	475	373	271	177	103	64	51	43	34
1.25°	649	573	483	381	278	183	107	66	52	43	35
0°	651	575	485	384	281	185	108	66	52	43	35
-1.25°	649	573	483	381	278	183	107	66	52	43	35
-2.5°	642	566	475	373	271	177	103	64	51	43	34
-3.75°	631	554	462	361	260	167	96	61	50	42	34
-5°	616	538	444	343	244	154	88	59	49	41	33
-6.25°	597	516	420	321	224	137	80	58	48	40	31
-7.5°	572	487	391	294	200	121	74	55	46	38	30
-8.75°	541	453	358	263	175	104	66	52	44	36	28
-10°	504	414	320	229	146	85	60	50	42	34	26
-11.25°	459	369	279	192	119	74	56	47	39	31	23
-12.5°	408	321	235	156	95	63	52	44	36	29	21
-13.75°	354	270	190	121	76	57	48	41	33	26	18
-15°	296	217	145	90	63	52	45	37	30	23	17
-16.25°	237	166	108	72	56	48	41	34	26	19	16
-17.5°	179	119	78	59	51	44	37	30	23	17	14
-18.75°	125	82	61	53	46	39	32	26	19	16	13
-20°	84	64	54	47	41	34	28	21	17	14	12
-21.25°	64	55	48	42	36	30	23	17	15	13	11





REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	54	48	42	37	31	24	18	16	13	12	11
-23.75°	47	42	37	31	25	19	16	14	12	11	10
-25°	41	36	31	25	20	16	14	12	11	10	10
-26.25°	34	30	24	19	16	14	12	11	10	10	9
-27.5°	28	23	18	16	14	12	11	11	10	9	9
-28.75°	21	17	16	14	12	11	11	10	9	9	9
-30°	17	15	13	12	11	10	10	9	9	9	8
-31.25°	14	13	12	11	10	10	9	9	9	8	8
-32.5°	12	11	11	10	10	9	9	9	8	8	7
-33.75°	11	10	10	9	9	9	9	8	8	7	7
-35°	10	9	9	9	9	8	8	8	7	7	7
-36.25°	9	9	9	9	8	8	8	7	7	7	6
-37.5°	9	9	8	8	8	7	7	7	7	6	6
-38.75°	8	8	8	8	7	7	7	6	6	6	6
-40°	8	8	7	7	7	7	6	6	6	6	6
-41.25°	7	7	7	7	6	6	6	6	6	6	5
-42.5°	7	7	6	6	6	6	6	6	5	5	5
-43.75°	6	6	6	6	6	6	6	5	5	5	5
-45°	6	6	6	6	6	5	5	5	5	4	4
-46.25°	6	6	5	5	5	5	5	4	4	4	4
-47.5°	5	5	5	5	5	4	4	4	4	4	4
-48.75°	5	5	5	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	3
-51.25°	4	4	4	4	4	4	4	4	3	3	3
-52.5°	4	4	4	4	4	4	3	3	3	3	3
-53.75°	4	4	4	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	2	2
-57.5°	3	3	3	3	3	3	2	2	2	2	2
-58.75°	3	3	3	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	1
-62.5°	2	2	2	2	2	2	2	1	1	1	1
-63.75°	2	2	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	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	0	0
-71.25°	1	1	1	1	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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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	0	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	0	0	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	0	0	0
65°	1	1	1	1	1	1	1	1	1	1	0
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	2	1	1	1	1	1	1	1	1	1
58.75°	2	2	2	2	1	1	1	1	1	1	1
57.5°	2	2	2	2	2	2	1	1	1	1	1
56.25°	2	2	2	2	2	2	2	2	1	1	1
55°	2	2	2	2	2	2	2	2	2	1	1
53.75°	3	3	2	2	2	2	2	2	2	2	1
52.5°	3	3	3	3	2	2	2	2	2	2	2
51.25°	3	3	3	3	3	3	2	2	2	2	2
50°	3	3	3	3	3	3	3	2	2	2	2
48.75°	4	3	3	3	3	3	3	3	2	2	2
47.5°	4	4	4	3	3	3	3	3	3	3	2
46.25°	4	4	4	4	3	3	3	3	3	3	3
45°	4	4	4	4	4	3	3	3	3	3	3
43.75°	4	4	4	4	4	4	3	3	3	3	3
42.5°	5	4	4	4	4	4	4	3	3	3	3
41.25°	5	5	4	4	4	4	4	4	3	3	3
40°	5	5	5	4	4	4	4	4	4	3	3
38.75°	6	5	5	5	4	4	4	4	4	4	3
37.5°	6	6	6	5	5	4	4	4	4	4	4
36.25°	6	6	6	6	5	5	4	4	4	4	4
35°	6	6	6	6	5	5	5	4	4	4	4



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	7	6	6	6	6	5	5	5	4	4	4
32.5°	7	7	6	6	6	6	5	5	5	4	4
31.25°	7	7	7	6	6	6	6	5	5	4	4
30°	8	7	7	7	6	6	6	5	5	5	4
28.75°	8	8	7	7	6	6	6	6	5	5	4
27.5°	9	8	8	7	7	6	6	6	6	5	5
26.25°	9	8	8	7	7	7	6	6	6	5	5
25°	9	9	8	8	7	7	6	6	6	6	5
23.75°	9	9	9	8	8	7	7	6	6	6	5
22.5°	10	9	9	8	8	7	7	6	6	6	5
21.25°	10	9	9	9	8	8	7	7	6	6	6
20°	11	10	9	9	8	8	7	7	6	6	6
18.75°	11	10	10	9	9	8	7	7	6	6	6
17.5°	12	11	10	9	9	8	8	7	7	6	6
16.25°	13	11	10	9	9	8	8	7	7	6	6
15°	14	12	11	10	9	9	8	7	7	6	6
13.75°	15	12	11	10	9	9	8	8	7	7	6
12.5°	16	13	11	10	9	9	8	8	7	7	6
11.25°	17	14	12	11	10	9	9	8	7	7	6
10°	18	15	12	11	10	9	9	8	7	7	6
8.75°	20	16	13	11	10	9	9	8	8	7	6
7.5°	22	16	13	11	10	9	9	8	8	7	7
6.25°	23	17	14	11	10	9	9	8	8	7	7
5°	24	17	14	12	10	9	9	8	8	7	7
3.75°	25	18	14	12	11	10	9	8	8	7	7
2.5°	26	18	15	12	11	10	9	8	8	7	7
1.25°	26	18	15	12	11	10	9	8	8	7	7
0°	26	18	15	12	11	10	9	9	8	7	7
-1.25°	26	18	15	12	11	10	9	8	8	7	7
-2.5°	26	18	15	12	11	10	9	8	8	7	7
-3.75°	25	18	14	12	11	10	9	8	8	7	7
-5°	24	17	14	12	10	9	9	8	8	7	7
-6.25°	23	17	14	11	10	9	9	8	8	7	7
-7.5°	22	16	13	11	10	9	9	8	8	7	7
-8.75°	20	16	13	11	10	9	9	8	8	7	6
-10°	18	15	12	11	10	9	9	8	7	7	6
-11.25°	17	14	12	11	10	9	9	8	7	7	6
-12.5°	16	13	11	10	9	9	8	8	7	7	6
-13.75°	15	12	11	10	9	9	8	8	7	7	6
-15°	14	12	11	10	9	9	8	7	7	6	6
-16.25°	13	11	10	9	9	8	8	7	7	6	6
-17.5°	12	11	10	9	9	8	8	7	7	6	6
-18.75°	11	10	10	9	9	8	7	7	6	6	6
-20°	11	10	9	9	8	8	7	7	6	6	6
-21.25°	10	9	9	9	8	8	7	7	6	6	6



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	10	9	9	8	8	7	7	6	6	6	5
-23.75°	9	9	9	8	8	7	7	6	6	6	5
-25°	9	9	8	8	7	7	6	6	6	6	5
-26.25°	9	8	8	7	7	7	6	6	6	5	5
-27.5°	9	8	8	7	7	6	6	6	6	5	5
-28.75°	8	8	7	7	6	6	6	6	5	5	4
-30°	8	7	7	7	6	6	6	5	5	5	4
-31.25°	7	7	7	6	6	6	6	5	5	4	4
-32.5°	7	7	6	6	6	6	5	5	5	4	4
-33.75°	7	6	6	6	6	5	5	5	4	4	4
-35°	6	6	6	6	5	5	5	4	4	4	4
-36.25°	6	6	6	6	5	5	4	4	4	4	4
-37.5°	6	6	6	5	5	4	4	4	4	4	4
-38.75°	6	5	5	5	4	4	4	4	4	4	3
-40°	5	5	5	4	4	4	4	4	4	3	3
-41.25°	5	5	4	4	4	4	4	4	3	3	3
-42.5°	5	4	4	4	4	4	4	3	3	3	3
-43.75°	4	4	4	4	4	4	3	3	3	3	3
-45°	4	4	4	4	4	3	3	3	3	3	3
-46.25°	4	4	4	4	3	3	3	3	3	3	3
-47.5°	4	4	4	3	3	3	3	3	3	3	2
-48.75°	4	3	3	3	3	3	3	3	2	2	2
-50°	3	3	3	3	3	3	3	2	2	2	2
-51.25°	3	3	3	3	3	3	2	2	2	2	2
-52.5°	3	3	3	3	2	2	2	2	2	2	2
-53.75°	3	3	2	2	2	2	2	2	2	2	1
-55°	2	2	2	2	2	2	2	2	2	1	1
-56.25°	2	2	2	2	2	2	2	2	1	1	1
-57.5°	2	2	2	2	2	2	1	1	1	1	1
-58.75°	2	2	2	2	1	1	1	1	1	1	1
-60°	2	2	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	0
-66.25°	1	1	1	1	1	1	1	1	0	0	0
-67.5°	1	1	1	1	1	0	0	0	0	0	0
-68.75°	1	1	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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	0	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	1	0	0	0	0	0	0	0	0
61.25°	1	1	1	1	0	0	0	0	0	0	0
60°	1	1	1	1	1	1	0	0	0	0	0
58.75°	1	1	1	1	1	1	1	0	0	0	0
57.5°	1	1	1	1	1	1	1	1	0	0	0
56.25°	1	1	1	1	1	1	1	1	1	0	0
55°	1	1	1	1	1	1	1	1	1	1	0
53.75°	1	1	1	1	1	1	1	1	1	1	1
52.5°	2	1	1	1	1	1	1	1	1	1	1
51.25°	2	2	1	1	1	1	1	1	1	1	1
50°	2	2	2	1	1	1	1	1	1	1	1
48.75°	2	2	2	2	1	1	1	1	1	1	1
47.5°	2	2	2	2	2	1	1	1	1	1	1
46.25°	2	2	2	2	2	1	1	1	1	1	1
45°	3	2	2	2	2	2	1	1	1	1	1
43.75°	3	2	2	2	2	2	2	1	1	1	1
42.5°	3	3	2	2	2	2	2	2	1	1	1
41.25°	3	3	3	2	2	2	2	2	1	1	1
40°	3	3	3	3	2	2	2	2	2	1	1
38.75°	3	3	3	3	2	2	2	2	2	1	1
37.5°	3	3	3	3	3	2	2	2	2	2	1
36.25°	4	3	3	3	3	2	2	2	2	2	1
35°	4	3	3	3	3	3	2	2	2	2	2



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	5	5	4	4	4	4	3	3	3	3	2
-23.75°	5	4	4	4	4	3	3	3	3	2	2
-25°	5	4	4	4	4	3	3	3	3	2	2
-26.25°	4	4	4	4	4	3	3	3	3	2	2
-27.5°	4	4	4	4	3	3	3	3	2	2	2
-28.75°	4	4	4	4	3	3	3	3	2	2	2
-30°	4	4	4	3	3	3	3	3	2	2	2
-31.25°	4	4	4	3	3	3	3	2	2	2	2
-32.5°	4	4	3	3	3	3	3	2	2	2	2
-33.75°	4	4	3	3	3	3	2	2	2	2	2
-35°	4	3	3	3	3	3	2	2	2	2	2
-36.25°	4	3	3	3	3	2	2	2	2	2	1
-37.5°	3	3	3	3	3	2	2	2	2	2	1
-38.75°	3	3	3	3	2	2	2	2	2	1	1
-40°	3	3	3	3	2	2	2	2	2	1	1
-41.25°	3	3	3	2	2	2	2	2	1	1	1
-42.5°	3	3	2	2	2	2	2	2	1	1	1
-43.75°	3	2	2	2	2	2	2	1	1	1	1
-45°	3	2	2	2	2	2	1	1	1	1	1
-46.25°	2	2	2	2	2	1	1	1	1	1	1
-47.5°	2	2	2	2	2	1	1	1	1	1	1
-48.75°	2	2	2	2	1	1	1	1	1	1	1
-50°	2	2	2	1	1	1	1	1	1	1	1
-51.25°	2	2	1	1	1	1	1	1	1	1	1
-52.5°	2	1	1	1	1	1	1	1	1	1	1
-53.75°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	0
-56.25°	1	1	1	1	1	1	1	1	1	0	0
-57.5°	1	1	1	1	1	1	1	1	0	0	0
-58.75°	1	1	1	1	1	1	1	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-61.25°	1	1	1	1	0	0	0	0	0	0	0
-62.5°	1	1	1	0	0	0	0	0	0	0	0
-63.75°	1	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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	0	0	0	0	0	0	0	0	0	0	0
51.25°	1	0	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	0	0	0	0	0	0	0	0	0
47.5°	1	1	1	0	0	0	0	0	0	0	0
46.25°	1	1	1	0	0	0	0	0	0	0	0
45°	1	1	1	1	0	0	0	0	0	0	0
43.75°	1	1	1	1	0	0	0	0	0	0	0
42.5°	1	1	1	1	1	0	0	0	0	0	0
41.25°	1	1	1	1	1	0	0	0	0	0	0
40°	1	1	1	1	1	0	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	1	0	0	0	0



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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°	1	1	1	1	1	1	1	0	0	0	0
32.5°	1	1	1	1	1	1	1	0	0	0	0
31.25°	2	1	1	1	1	1	1	0	0	0	0
30°	2	1	1	1	1	1	1	1	0	0	0
28.75°	2	1	1	1	1	1	1	1	0	0	0
27.5°	2	2	1	1	1	1	1	1	0	0	0
26.25°	2	2	1	1	1	1	1	1	0	0	0
25°	2	2	1	1	1	1	1	1	0	0	0
23.75°	2	2	1	1	1	1	1	1	1	0	0
22.5°	2	2	1	1	1	1	1	1	1	0	0
21.25°	2	2	2	1	1	1	1	1	1	0	0
20°	2	2	2	1	1	1	1	1	1	0	0
18.75°	2	2	2	1	1	1	1	1	1	0	0
17.5°	2	2	2	1	1	1	1	1	1	0	0
16.25°	2	2	2	1	1	1	1	1	1	0	0
15°	2	2	2	1	1	1	1	1	1	0	0
13.75°	2	2	2	2	1	1	1	1	1	0	0
12.5°	2	2	2	2	1	1	1	1	1	0	0
11.25°	2	2	2	2	1	1	1	1	1	1	0
10°	2	2	2	2	1	1	1	1	1	1	0
8.75°	2	2	2	2	1	1	1	1	1	1	0
7.5°	2	2	2	2	1	1	1	1	1	1	0
6.25°	3	2	2	2	1	1	1	1	1	1	0
5°	3	2	2	2	1	1	1	1	1	1	0
3.75°	3	2	2	2	1	1	1	1	1	1	0
2.5°	3	2	2	2	1	1	1	1	1	1	0
1.25°	3	2	2	2	1	1	1	1	1	1	0
0°	3	2	2	2	1	1	1	1	1	1	0
-1.25°	3	2	2	2	1	1	1	1	1	1	0
-2.5°	3	2	2	2	1	1	1	1	1	1	0
-3.75°	3	2	2	2	1	1	1	1	1	1	0
-5°	3	2	2	2	1	1	1	1	1	1	0
-6.25°	3	2	2	2	1	1	1	1	1	1	0
-7.5°	2	2	2	2	1	1	1	1	1	1	0
-8.75°	2	2	2	2	1	1	1	1	1	1	0
-10°	2	2	2	2	1	1	1	1	1	1	0
-11.25°	2	2	2	2	1	1	1	1	1	1	0
-12.5°	2	2	2	2	1	1	1	1	1	0	0
-13.75°	2	2	2	2	1	1	1	1	1	0	0
-15°	2	2	2	1	1	1	1	1	1	0	0
-16.25°	2	2	2	1	1	1	1	1	1	0	0
-17.5°	2	2	2	1	1	1	1	1	1	0	0
-18.75°	2	2	2	1	1	1	1	1	1	0	0
-20°	2	2	2	1	1	1	1	1	1	0	0
-21.25°	2	2	2	1	1	1	1	1	1	0	0



REPORT NUMBER: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	2	2	1	1	1	1	1	1	1	0	0
-23.75°	2	2	1	1	1	1	1	1	1	0	0
-25°	2	2	1	1	1	1	1	1	0	0	0
-26.25°	2	2	1	1	1	1	1	1	0	0	0
-27.5°	2	2	1	1	1	1	1	1	0	0	0
-28.75°	2	1	1	1	1	1	1	1	0	0	0
-30°	2	1	1	1	1	1	1	1	0	0	0
-31.25°	2	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	1	0	0	0	0
-35°	1	1	1	1	1	1	1	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	0	0	0	0	0	0
-41.25°	1	1	1	1	1	0	0	0	0	0	0
-42.5°	1	1	1	1	1	0	0	0	0	0	0
-43.75°	1	1	1	1	0	0	0	0	0	0	0
-45°	1	1	1	1	0	0	0	0	0	0	0
-46.25°	1	1	1	0	0	0	0	0	0	0	0
-47.5°	1	1	1	0	0	0	0	0	0	0	0
-48.75°	1	1	0	0	0	0	0	0	0	0	0
-50°	1	1	0	0	0	0	0	0	0	0	0
-51.25°	1	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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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: P220522 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-M-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)