

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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

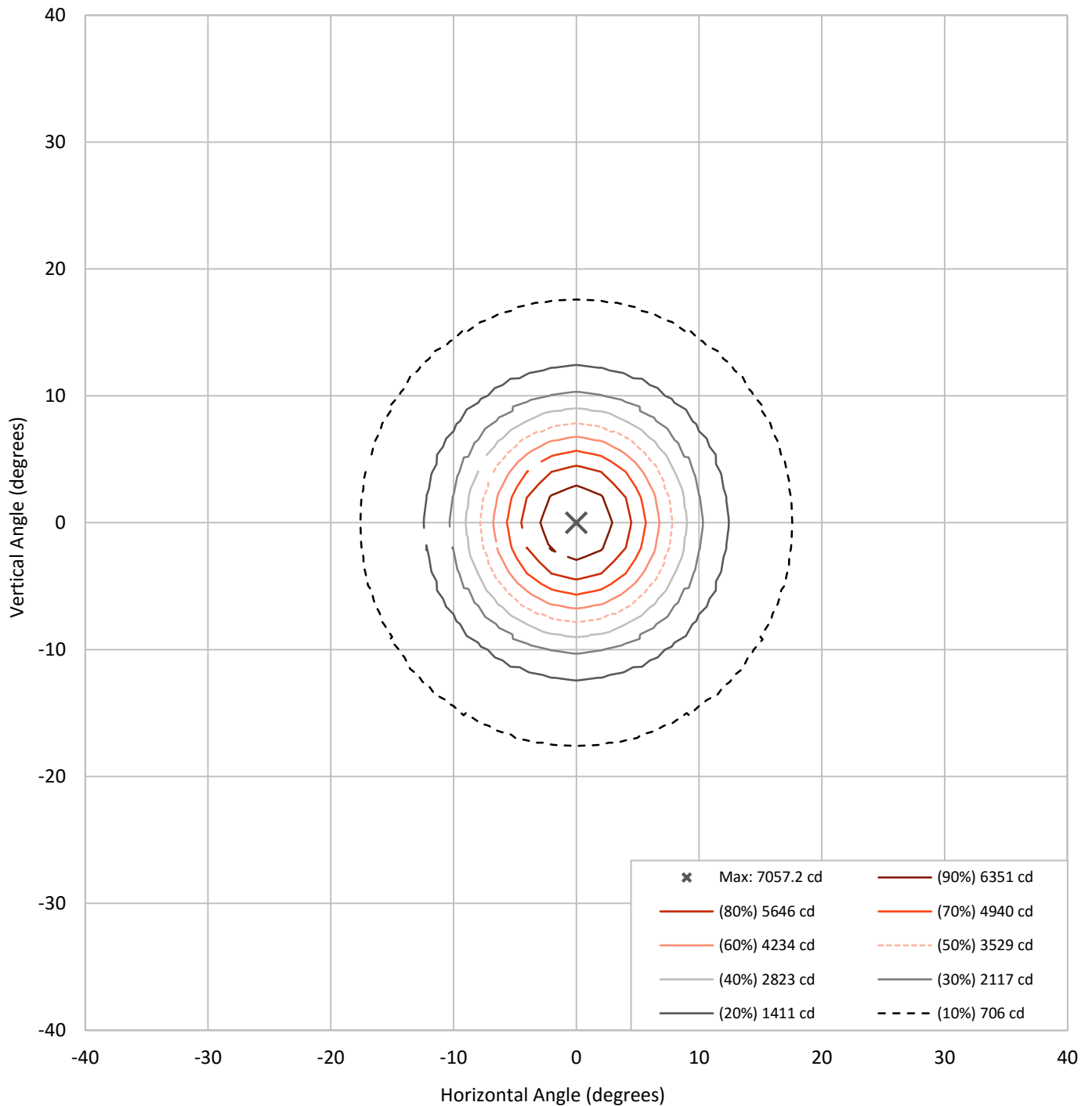
Test Method: LM-79-08  
Report Number: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT  
OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	822.1 lumens	Max Intensity:	7057.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	83.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.7°H x 15.7°V	Field Angle (10%):	35°H x 35°V
Beam Lumens:	293.1 lumens	Field Lumens:	629.8 lumens
Beam Efficiency:	35.6%	Field Efficiency:	76.6%
Input Watts (W):	9.8		
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]-[RW, RI]-LED4080-S-BK-L1-UNV

### Iso-Candela Plot





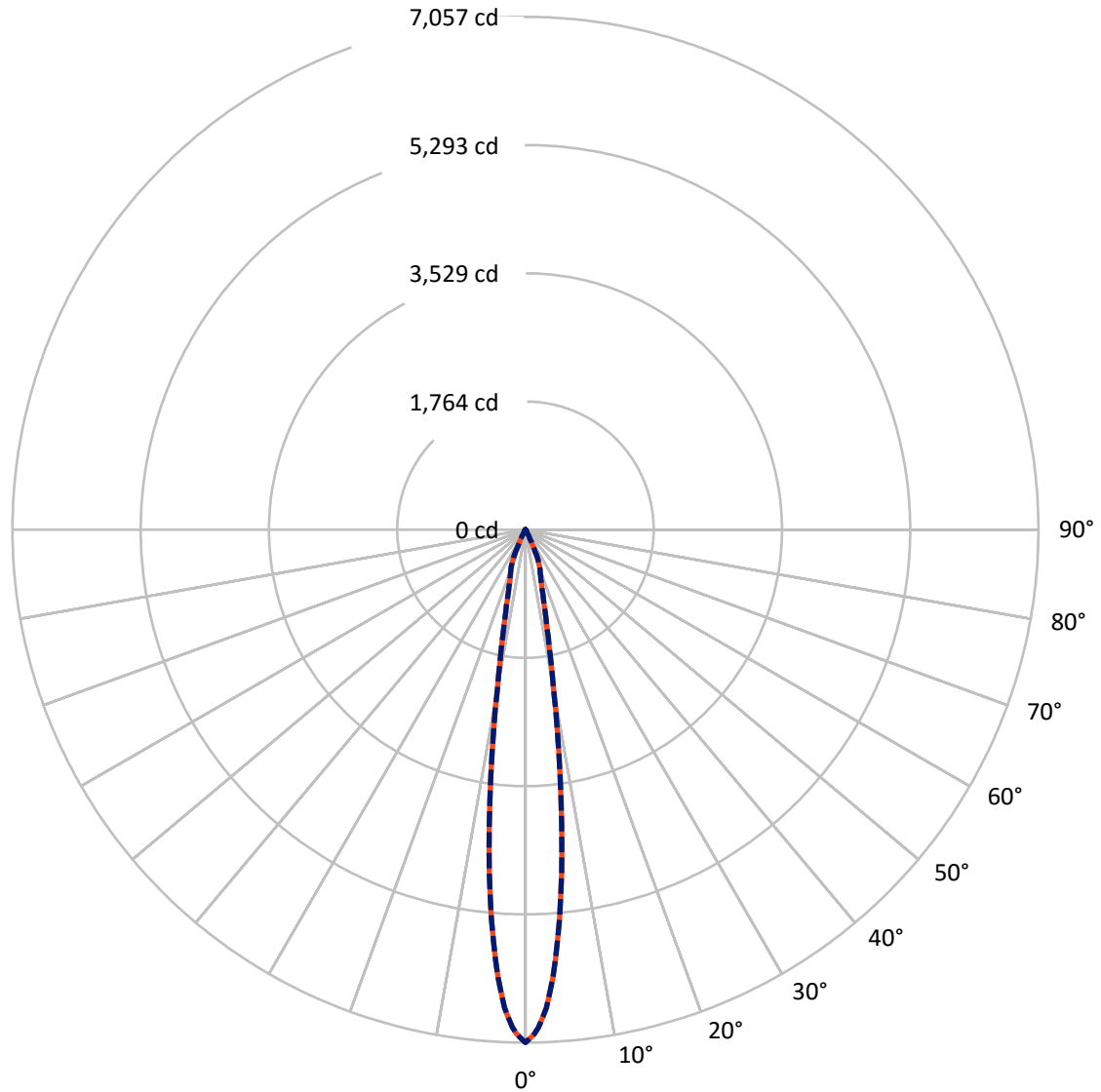
REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L1-UNV

### Lumen Table

90	0.0														
80	0.0														
70	0.0														
60	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
50	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
40	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0
30	0.0	0.1	0.1	0.2	0.4	2.5	7.2	7.2	2.5	0.4	0.2	0.1	0.1	0.0	0.0
20	0.0	0.1	0.1	0.2	2.4	14.8	28.1	28.1	14.8	2.4	0.2	0.1	0.1	0.0	0.0
10	0.0	0.1	0.1	0.4	6.7	27.4	112.3	112.3	27.4	6.7	0.4	0.1	0.1	0.0	0.0
0	0.0	0.1	0.1	0.4	6.7	27.4	112.3	112.3	27.4	6.7	0.4	0.1	0.1	0.0	0.0
-10	0.0	0.1	0.1	0.2	2.4	14.8	28.1	28.1	14.8	2.4	0.2	0.1	0.1	0.0	0.0
-20	0.0	0.1	0.1	0.2	0.4	2.5	7.2	7.2	2.5	0.4	0.2	0.1	0.1	0.0	0.0
-30	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0
-40	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	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	0.1	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	0.0														
-80	0.0														
-90	0.0														

REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L1-UNV

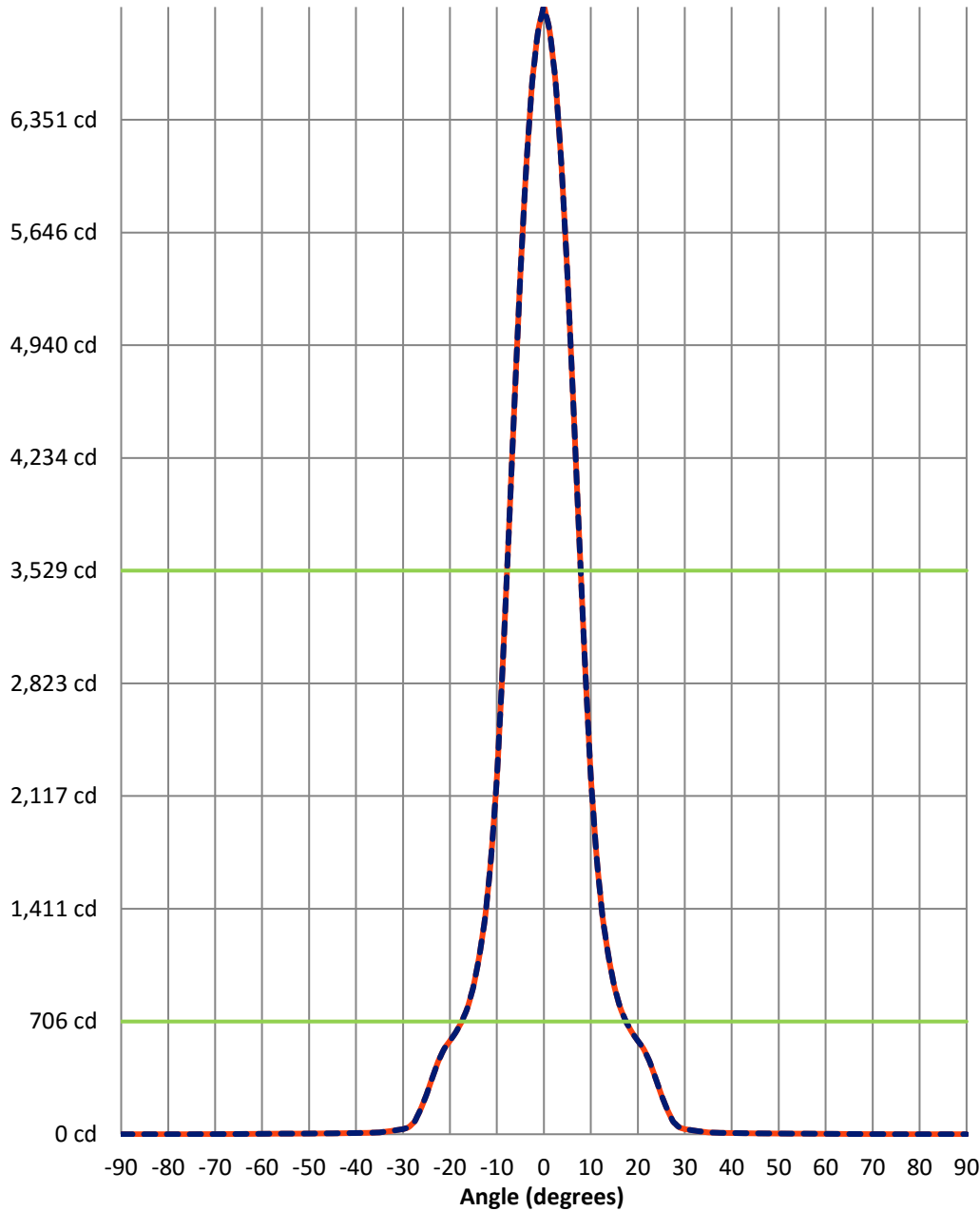
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 15.7°  
 V Angle: 15.7°  
 Lumens: 293.1  
 Efficiency: 35.6%

**Field:**  
 H Angle: 35°  
 V Angle: 35°  
 Lumens: 629.8  
 Efficiency: 76.6%

**Spill:**  
 Lumens: 192.3  
 Efficiency: 23.4%

— 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	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0
46.25°	0	0	0	0	0	0	0	0	0	0	1
45°	0	0	0	0	0	0	0	0	0	0	1
43.75°	0	0	0	0	0	0	0	0	0	1	1
42.5°	0	0	0	0	0	0	0	0	0	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	0	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	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	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	0	1	1	1	1	1	1
22.5°	0	0	0	0	0	1	1	1	1	1	1
21.25°	0	0	0	0	0	1	1	1	1	1	1
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	1	2
12.5°	0	0	0	0	1	1	1	1	1	1	2
11.25°	0	0	0	0	1	1	1	1	1	1	2
10°	0	0	0	0	1	1	1	1	1	2	2
8.75°	0	0	0	0	1	1	1	1	1	2	2
7.5°	0	0	0	0	1	1	1	1	1	2	2
6.25°	0	0	0	0	1	1	1	1	1	2	2
5°	0	0	0	0	1	1	1	1	1	2	2
3.75°	0	0	0	0	1	1	1	1	1	2	2
2.5°	0	0	0	0	1	1	1	1	1	2	2
1.25°	0	0	0	0	1	1	1	1	1	2	2
0°	0	0	0	1	1	1	1	1	1	2	2
-1.25°	0	0	0	0	1	1	1	1	1	2	2
-2.5°	0	0	0	0	1	1	1	1	1	2	2
-3.75°	0	0	0	0	1	1	1	1	1	2	2
-5°	0	0	0	0	1	1	1	1	1	2	2
-6.25°	0	0	0	0	1	1	1	1	1	2	2
-7.5°	0	0	0	0	1	1	1	1	1	2	2
-8.75°	0	0	0	0	1	1	1	1	1	2	2
-10°	0	0	0	0	1	1	1	1	1	2	2
-11.25°	0	0	0	0	1	1	1	1	1	1	2
-12.5°	0	0	0	0	1	1	1	1	1	1	2
-13.75°	0	0	0	0	1	1	1	1	1	1	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	0	1	1	1	1	1	1



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0	1	1	1	1	1	1
-23.75°	0	0	0	0	0	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	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	1	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	0	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	0	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	0	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	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0
61.25°	0	0	0	0	0	0	0	0	0	1	1
60°	0	0	0	0	0	0	0	0	1	1	1
58.75°	0	0	0	0	0	0	0	1	1	1	1
57.5°	0	0	0	0	0	0	1	1	1	1	1
56.25°	0	0	0	0	0	1	1	1	1	1	1
55°	0	0	0	0	1	1	1	1	1	1	1
53.75°	0	0	0	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°	0	1	1	1	1	1	1	1	1	1	1
48.75°	1	1	1	1	1	1	1	1	1	1	2
47.5°	1	1	1	1	1	1	1	1	1	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	1	2	2	2	2
42.5°	1	1	1	1	1	1	2	2	2	2	2
41.25°	1	1	1	1	1	2	2	2	2	2	2
40°	1	1	1	1	1	2	2	2	2	2	3
38.75°	1	1	1	1	2	2	2	2	2	3	3
37.5°	1	1	1	1	2	2	2	2	2	3	3
36.25°	1	1	1	2	2	2	2	2	3	3	3
35°	1	1	1	2	2	2	2	2	3	3	3



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	2	3	3	3	3
31.25°	1	1	2	2	2	2	3	3	3	3	3
30°	1	2	2	2	2	2	3	3	3	3	4
28.75°	1	2	2	2	2	3	3	3	3	3	4
27.5°	1	2	2	2	2	3	3	3	3	4	4
26.25°	1	2	2	2	2	3	3	3	3	4	4
25°	2	2	2	2	3	3	3	3	3	4	4
23.75°	2	2	2	2	3	3	3	3	4	4	4
22.5°	2	2	2	2	3	3	3	3	4	4	4
21.25°	2	2	2	2	3	3	3	3	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	3	4	4	4	4
16.25°	2	2	2	3	3	3	3	4	4	4	4
15°	2	2	2	3	3	3	4	4	4	4	4
13.75°	2	2	3	3	3	3	4	4	4	4	4
12.5°	2	2	3	3	3	3	4	4	4	4	4
11.25°	2	2	3	3	3	3	4	4	4	4	4
10°	2	2	3	3	3	3	4	4	4	4	4
8.75°	2	2	3	3	3	3	4	4	4	4	4
7.5°	2	2	3	3	3	3	4	4	4	4	4
6.25°	2	2	3	3	3	4	4	4	4	4	4
5°	2	2	3	3	3	4	4	4	4	4	4
3.75°	2	2	3	3	3	4	4	4	4	4	4
2.5°	2	2	3	3	3	4	4	4	4	4	4
1.25°	2	2	3	3	3	4	4	4	4	4	4
0°	2	2	3	3	3	4	4	4	4	4	4
-1.25°	2	2	3	3	3	4	4	4	4	4	4
-2.5°	2	2	3	3	3	4	4	4	4	4	4
-3.75°	2	2	3	3	3	4	4	4	4	4	4
-5°	2	2	3	3	3	4	4	4	4	4	4
-6.25°	2	2	3	3	3	4	4	4	4	4	4
-7.5°	2	2	3	3	3	3	4	4	4	4	4
-8.75°	2	2	3	3	3	3	4	4	4	4	4
-10°	2	2	3	3	3	3	4	4	4	4	4
-11.25°	2	2	3	3	3	3	4	4	4	4	4
-12.5°	2	2	3	3	3	3	4	4	4	4	4
-13.75°	2	2	3	3	3	3	4	4	4	4	4
-15°	2	2	2	3	3	3	4	4	4	4	4
-16.25°	2	2	2	3	3	3	3	4	4	4	4
-17.5°	2	2	2	3	3	3	3	4	4	4	4
-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	2	3	3	3	3	4	4	4





REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	2	3	3	3	3	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	3	4	4
-26.25°	1	2	2	2	2	3	3	3	3	4	4
-27.5°	1	2	2	2	2	3	3	3	3	4	4
-28.75°	1	2	2	2	2	3	3	3	3	3	4
-30°	1	2	2	2	2	2	3	3	3	3	4
-31.25°	1	1	2	2	2	2	3	3	3	3	3
-32.5°	1	1	2	2	2	2	2	3	3	3	3
-33.75°	1	1	2	2	2	2	2	3	3	3	3
-35°	1	1	1	2	2	2	2	2	3	3	3
-36.25°	1	1	1	2	2	2	2	2	3	3	3
-37.5°	1	1	1	1	2	2	2	2	2	3	3
-38.75°	1	1	1	1	2	2	2	2	2	3	3
-40°	1	1	1	1	1	2	2	2	2	2	3
-41.25°	1	1	1	1	1	2	2	2	2	2	2
-42.5°	1	1	1	1	1	1	2	2	2	2	2
-43.75°	1	1	1	1	1	1	1	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	1	2	2
-48.75°	1	1	1	1	1	1	1	1	1	1	2
-50°	0	1	1	1	1	1	1	1	1	1	1
-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	0	1	1	1	1	1	1	1	1
-55°	0	0	0	0	1	1	1	1	1	1	1
-56.25°	0	0	0	0	0	1	1	1	1	1	1
-57.5°	0	0	0	0	0	0	1	1	1	1	1
-58.75°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	0	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	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0	1	1
66.25°	0	0	0	0	0	0	1	1	1	1	1
65°	0	0	0	0	1	1	1	1	1	1	1
63.75°	0	0	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	2
57.5°	1	1	1	1	1	1	1	1	2	2	2
56.25°	1	1	1	1	1	1	2	2	2	2	2
55°	1	1	1	1	1	2	2	2	2	2	2
53.75°	1	1	1	2	2	2	2	2	2	2	2
52.5°	1	1	2	2	2	2	2	2	2	2	3
51.25°	1	2	2	2	2	2	2	2	3	3	3
50°	2	2	2	2	2	2	2	3	3	3	3
48.75°	2	2	2	2	2	3	3	3	3	3	3
47.5°	2	2	2	2	3	3	3	3	3	3	3
46.25°	2	2	2	3	3	3	3	3	3	3	4
45°	2	2	3	3	3	3	3	3	3	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	4
38.75°	3	3	3	3	4	4	4	4	4	4	4
37.5°	3	3	3	4	4	4	4	4	4	4	4
36.25°	3	3	4	4	4	4	4	4	4	4	4
35°	3	4	4	4	4	4	4	4	4	4	5



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	3	4	4	4	4	4	4	4	4	5	5
32.5°	4	4	4	4	4	4	4	4	5	5	5
31.25°	4	4	4	4	4	4	4	5	5	5	5
30°	4	4	4	4	4	4	4	5	5	5	5
28.75°	4	4	4	4	4	4	5	5	5	5	5
27.5°	4	4	4	4	4	5	5	5	5	5	6
26.25°	4	4	4	4	4	5	5	5	5	6	6
25°	4	4	4	4	5	5	5	5	5	6	6
23.75°	4	4	4	4	5	5	5	5	6	6	7
22.5°	4	4	4	4	5	5	5	5	6	6	7
21.25°	4	4	4	5	5	5	5	6	6	7	7
20°	4	4	4	5	5	5	5	6	6	7	7
18.75°	4	4	5	5	5	5	6	6	7	7	8
17.5°	4	4	5	5	5	5	6	6	7	7	8
16.25°	4	4	5	5	5	5	6	6	7	7	8
15°	4	4	5	5	5	6	6	7	7	8	8
13.75°	4	5	5	5	5	6	6	7	7	8	8
12.5°	4	5	5	5	5	6	6	7	7	8	8
11.25°	4	5	5	5	5	6	7	7	8	8	9
10°	4	5	5	5	6	6	7	7	8	8	9
8.75°	4	5	5	5	6	6	7	7	8	8	9
7.5°	4	5	5	5	6	6	7	7	8	8	9
6.25°	5	5	5	5	6	6	7	7	8	9	10
5°	5	5	5	5	6	6	7	7	8	9	10
3.75°	5	5	5	5	6	6	7	8	8	9	10
2.5°	5	5	5	5	6	6	7	8	8	9	10
1.25°	5	5	5	5	6	6	7	8	8	9	10
0°	5	5	5	5	6	7	7	8	8	9	10
-1.25°	5	5	5	5	6	6	7	8	8	9	10
-2.5°	5	5	5	5	6	6	7	8	8	9	10
-3.75°	5	5	5	5	6	6	7	8	8	9	10
-5°	5	5	5	5	6	6	7	7	8	9	10
-6.25°	5	5	5	5	6	6	7	7	8	9	10
-7.5°	4	5	5	5	6	6	7	7	8	8	9
-8.75°	4	5	5	5	6	6	7	7	8	8	9
-10°	4	5	5	5	6	6	7	7	8	8	9
-11.25°	4	5	5	5	5	6	7	7	8	8	9
-12.5°	4	5	5	5	5	6	6	7	7	8	8
-13.75°	4	5	5	5	5	6	6	7	7	8	8
-15°	4	4	5	5	5	6	6	7	7	8	8
-16.25°	4	4	5	5	5	5	6	6	7	7	8
-17.5°	4	4	5	5	5	5	6	6	7	7	8
-18.75°	4	4	5	5	5	5	6	6	7	7	8
-20°	4	4	4	5	5	5	5	6	6	7	7
-21.25°	4	4	4	5	5	5	5	6	6	7	7



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	4	4	4	4	5	5	5	5	6	6	7
-23.75°	4	4	4	4	5	5	5	5	6	6	7
-25°	4	4	4	4	5	5	5	5	5	6	6
-26.25°	4	4	4	4	4	5	5	5	5	6	6
-27.5°	4	4	4	4	4	5	5	5	5	5	6
-28.75°	4	4	4	4	4	4	5	5	5	5	5
-30°	4	4	4	4	4	4	4	5	5	5	5
-31.25°	4	4	4	4	4	4	4	5	5	5	5
-32.5°	4	4	4	4	4	4	4	4	5	5	5
-33.75°	3	4	4	4	4	4	4	4	4	5	5
-35°	3	4	4	4	4	4	4	4	4	4	5
-36.25°	3	3	4	4	4	4	4	4	4	4	4
-37.5°	3	3	3	4	4	4	4	4	4	4	4
-38.75°	3	3	3	3	4	4	4	4	4	4	4
-40°	3	3	3	3	4	4	4	4	4	4	4
-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	2	3	3	3	3	3	3	3	4	4
-46.25°	2	2	2	3	3	3	3	3	3	3	4
-47.5°	2	2	2	2	3	3	3	3	3	3	3
-48.75°	2	2	2	2	2	3	3	3	3	3	3
-50°	2	2	2	2	2	2	2	3	3	3	3
-51.25°	1	2	2	2	2	2	2	2	3	3	3
-52.5°	1	1	2	2	2	2	2	2	2	2	3
-53.75°	1	1	1	2	2	2	2	2	2	2	2
-55°	1	1	1	1	1	2	2	2	2	2	2
-56.25°	1	1	1	1	1	1	2	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	2	2	2
-58.75°	1	1	1	1	1	1	1	1	1	1	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	0	1	1	1	1	1	1	1	1	1
-65°	0	0	0	0	1	1	1	1	1	1	1
-66.25°	0	0	0	0	0	0	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	0	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0	0
70°	0	0	0	0	0	0	1	1	1	1	1
68.75°	0	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	1	1	2	2	2
61.25°	1	1	1	1	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	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	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	4	4
51.25°	3	3	3	3	3	3	4	4	4	4	4
50°	3	3	3	3	4	4	4	4	4	4	4
48.75°	3	3	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
43.75°	4	4	4	4	4	4	4	4	5	5	5
42.5°	4	4	4	4	4	4	5	5	5	5	5
41.25°	4	4	4	4	4	5	5	5	5	5	5
40°	4	4	4	5	5	5	5	5	5	5	5
38.75°	4	4	5	5	5	5	5	5	5	6	6
37.5°	4	5	5	5	5	5	5	6	6	6	6
36.25°	5	5	5	5	5	5	6	6	6	7	7
35°	5	5	5	5	5	6	6	6	7	7	7



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	5	5	5	6	6	6	7	7	7	7	8
32.5°	5	5	6	6	6	7	7	7	8	8	8
31.25°	5	6	6	6	7	7	7	8	8	8	9
30°	5	6	6	7	7	7	8	8	8	9	9
28.75°	6	6	7	7	7	8	8	8	9	10	10
27.5°	6	7	7	7	8	8	8	9	10	11	12
26.25°	6	7	7	8	8	8	9	10	11	12	15
25°	7	7	8	8	8	9	10	11	12	15	18
23.75°	7	7	8	8	9	10	11	12	15	18	22
22.5°	7	8	8	9	9	10	12	15	18	22	26
21.25°	7	8	8	9	10	11	14	18	21	25	29
20°	8	8	9	10	11	13	17	20	25	29	34
18.75°	8	8	9	10	12	16	19	23	28	33	39
17.5°	8	9	10	11	14	18	22	27	31	37	53
16.25°	8	9	10	12	16	20	25	29	35	48	80
15°	9	10	11	14	18	22	27	32	40	64	115
13.75°	9	10	11	16	20	25	30	36	51	92	159
12.5°	9	11	13	17	22	27	32	41	68	126	204
11.25°	10	11	14	19	24	29	35	50	91	162	245
10°	10	11	16	20	25	31	38	59	116	198	288
8.75°	10	12	17	21	27	32	43	77	145	231	327
7.5°	11	13	18	23	28	34	49	93	170	261	362
6.25°	11	14	19	24	29	36	55	108	193	289	392
5°	11	15	19	25	30	38	61	124	212	312	416
3.75°	11	15	20	25	31	39	70	138	228	330	434
2.5°	11	16	20	26	32	41	75	147	239	343	446
1.25°	11	16	21	26	32	43	79	153	245	351	453
0°	11	16	21	26	32	43	80	155	247	354	456
-1.25°	11	16	21	26	32	43	79	153	245	351	453
-2.5°	11	16	20	26	32	41	75	147	239	343	446
-3.75°	11	15	20	25	31	39	70	138	228	330	434
-5°	11	15	19	25	30	38	61	124	212	312	416
-6.25°	11	14	19	24	29	36	55	108	193	289	392
-7.5°	11	13	18	23	28	34	49	93	170	261	362
-8.75°	10	12	17	21	27	32	43	77	145	231	327
-10°	10	11	16	20	25	31	38	59	116	198	288
-11.25°	10	11	14	19	24	29	35	50	91	162	245
-12.5°	9	11	13	17	22	27	32	41	68	126	204
-13.75°	9	10	11	16	20	25	30	36	51	92	159
-15°	9	10	11	14	18	22	27	32	40	64	115
-16.25°	8	9	10	12	16	20	25	29	35	48	80
-17.5°	8	9	10	11	14	18	22	27	31	37	53
-18.75°	8	8	9	10	12	16	19	23	28	33	39
-20°	8	8	9	10	11	13	17	20	25	29	34
-21.25°	7	8	8	9	10	11	14	18	21	25	29





REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	7	8	8	9	9	10	12	15	18	22	26
-23.75°	7	7	8	8	9	10	11	12	15	18	22
-25°	7	7	8	8	8	9	10	11	12	15	18
-26.25°	6	7	7	8	8	8	9	10	11	12	15
-27.5°	6	7	7	7	8	8	8	9	10	11	12
-28.75°	6	6	7	7	7	8	8	8	9	10	10
-30°	5	6	6	7	7	7	8	8	8	9	9
-31.25°	5	6	6	6	7	7	7	8	8	8	9
-32.5°	5	5	6	6	6	7	7	7	8	8	8
-33.75°	5	5	5	6	6	6	7	7	7	7	8
-35°	5	5	5	5	5	6	6	6	7	7	7
-36.25°	5	5	5	5	5	5	6	6	6	7	7
-37.5°	4	5	5	5	5	5	5	6	6	6	6
-38.75°	4	4	5	5	5	5	5	5	5	6	6
-40°	4	4	4	5	5	5	5	5	5	5	5
-41.25°	4	4	4	4	4	5	5	5	5	5	5
-42.5°	4	4	4	4	4	4	5	5	5	5	5
-43.75°	4	4	4	4	4	4	4	4	5	5	5
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	3	3	4	4	4	4	4	4	4	4	4
-50°	3	3	3	3	4	4	4	4	4	4	4
-51.25°	3	3	3	3	3	3	4	4	4	4	4
-52.5°	3	3	3	3	3	3	3	3	3	4	4
-53.75°	2	3	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	2	2	3	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	1	2	2	2	2	2	2	2	2	2	2
-61.25°	1	1	1	1	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	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°	0	1	1	1	1	1	1	1	1	1	1
-70°	0	0	0	0	0	0	1	1	1	1	1
-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0	0	0
71.25°	0	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	1	1	1	2	2
63.75°	1	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	3	3	3	3	3
58.75°	2	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	4	4	4	4	4	4
53.75°	3	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	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	5	5	5	5	5
46.25°	4	4	5	5	5	5	5	5	5	5	5
45°	5	5	5	5	5	5	5	5	5	5	5
43.75°	5	5	5	5	5	5	5	5	5	6	6
42.5°	5	5	5	5	5	6	6	6	6	6	6
41.25°	5	5	6	6	6	6	6	6	7	7	7
40°	6	6	6	6	6	7	7	7	7	7	7
38.75°	6	6	7	7	7	7	7	7	8	8	8
37.5°	7	7	7	7	7	8	8	8	8	8	8
36.25°	7	7	8	8	8	8	8	8	9	9	9
35°	7	8	8	8	8	9	9	9	10	10	10



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	8	8	8	9	9	10	10	11	11	11	12
32.5°	8	9	9	10	10	11	11	13	14	16	17
31.25°	9	10	10	11	12	14	16	17	19	20	21
30°	10	11	12	14	16	18	20	22	24	25	27
28.75°	11	13	16	18	20	22	25	27	29	31	32
27.5°	14	17	19	22	25	27	30	32	35	38	43
26.25°	18	20	23	27	29	32	36	41	50	59	77
25°	21	25	28	31	35	40	51	68	91	116	145
23.75°	25	29	33	37	48	64	92	126	162	198	231
22.5°	29	34	39	53	80	115	159	204	245	288	327
21.25°	34	41	57	91	136	186	237	289	339	385	425
20°	41	58	96	149	205	263	323	380	431	473	507
18.75°	57	96	153	215	280	346	409	463	507	540	562
17.5°	91	149	215	285	358	426	484	527	559	582	605
16.25°	136	205	280	358	431	495	540	571	598	624	655
15°	186	263	346	426	495	544	576	608	641	678	715
13.75°	237	323	409	484	540	576	611	650	693	738	790
12.5°	289	380	463	527	571	608	650	698	752	814	899
11.25°	339	431	507	559	598	641	693	752	825	924	1037
10°	385	473	540	582	624	678	738	814	924	1053	1196
8.75°	425	507	562	605	655	715	790	899	1037	1196	1395
7.5°	458	532	580	625	684	754	852	989	1155	1365	1637
6.25°	485	552	596	648	712	792	915	1076	1276	1550	1913
5°	504	564	610	667	735	833	980	1163	1407	1745	2204
3.75°	518	573	620	682	759	872	1033	1233	1526	1941	2500
2.5°	527	580	629	695	776	901	1073	1301	1632	2101	2729
1.25°	533	584	635	702	787	919	1101	1345	1697	2200	2884
0°	535	585	637	705	790	925	1111	1359	1719	2234	2939
-1.25°	533	584	635	702	787	919	1101	1345	1697	2200	2884
-2.5°	527	580	629	695	776	901	1073	1301	1632	2101	2729
-3.75°	518	573	620	682	759	872	1033	1233	1526	1941	2500
-5°	504	564	610	667	735	833	980	1163	1407	1745	2204
-6.25°	485	552	596	648	712	792	915	1076	1276	1550	1913
-7.5°	458	532	580	625	684	754	852	989	1155	1365	1637
-8.75°	425	507	562	605	655	715	790	899	1037	1196	1395
-10°	385	473	540	582	624	678	738	814	924	1053	1196
-11.25°	339	431	507	559	598	641	693	752	825	924	1037
-12.5°	289	380	463	527	571	608	650	698	752	814	899
-13.75°	237	323	409	484	540	576	611	650	693	738	790
-15°	186	263	346	426	495	544	576	608	641	678	715
-16.25°	136	205	280	358	431	495	540	571	598	624	655
-17.5°	91	149	215	285	358	426	484	527	559	582	605
-18.75°	57	96	153	215	280	346	409	463	507	540	562
-20°	41	58	96	149	205	263	323	380	431	473	507
-21.25°	34	41	57	91	136	186	237	289	339	385	425



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	29	34	39	53	80	115	159	204	245	288	327
-23.75°	25	29	33	37	48	64	92	126	162	198	231
-25°	21	25	28	31	35	40	51	68	91	116	145
-26.25°	18	20	23	27	29	32	36	41	50	59	77
-27.5°	14	17	19	22	25	27	30	32	35	38	43
-28.75°	11	13	16	18	20	22	25	27	29	31	32
-30°	10	11	12	14	16	18	20	22	24	25	27
-31.25°	9	10	10	11	12	14	16	17	19	20	21
-32.5°	8	9	9	10	10	11	11	13	14	16	17
-33.75°	8	8	8	9	9	10	10	11	11	11	12
-35°	7	8	8	8	8	9	9	9	10	10	10
-36.25°	7	7	8	8	8	8	8	8	9	9	9
-37.5°	7	7	7	7	7	8	8	8	8	8	8
-38.75°	6	6	7	7	7	7	7	7	8	8	8
-40°	6	6	6	6	6	7	7	7	7	7	7
-41.25°	5	5	6	6	6	6	6	6	7	7	7
-42.5°	5	5	5	5	5	6	6	6	6	6	6
-43.75°	5	5	5	5	5	5	5	5	5	6	6
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	4	4	5	5	5	5	5	5	5	5	5
-47.5°	4	4	4	4	4	4	5	5	5	5	5
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	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	4
-53.75°	3	4	4	4	4	4	4	4	4	4	4
-55°	3	3	3	3	3	4	4	4	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°	2	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	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°	1	2	2	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	1	1	1	1	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°	0	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	0	0	0	0	0	0	1	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	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	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	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	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	4
48.75°	4	5	5	5	5	5	5	5	5	5	5
47.5°	5	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	5	5	5	5	5	5	5	5	5	5	5
43.75°	6	6	6	6	6	6	6	6	6	6	6
42.5°	6	6	6	6	6	6	7	6	6	6	6
41.25°	7	7	7	7	7	7	7	7	7	7	7
40°	7	7	7	8	8	8	8	8	8	8	7
38.75°	8	8	8	8	8	8	8	8	8	8	8
37.5°	8	9	9	9	9	9	9	9	9	9	9
36.25°	9	10	10	10	10	10	10	10	10	10	10
35°	11	11	11	11	11	11	11	11	11	11	11



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	13	14	15	15	16	16	16	16	16	15	15
32.5°	18	19	19	20	20	21	21	21	20	20	19
31.25°	23	24	25	25	26	26	26	26	26	25	25
30°	28	29	30	31	32	32	32	32	32	31	30
28.75°	34	36	38	39	41	43	43	43	41	39	38
27.5°	49	55	61	70	75	79	80	79	75	70	61
26.25°	93	108	124	138	147	153	155	153	147	138	124
25°	170	193	212	228	239	245	247	245	239	228	212
23.75°	261	289	312	330	343	351	354	351	343	330	312
22.5°	362	392	416	434	446	453	456	453	446	434	416
21.25°	458	485	504	518	527	533	535	533	527	518	504
20°	532	552	564	573	580	584	585	584	580	573	564
18.75°	580	596	610	620	629	635	637	635	629	620	610
17.5°	625	648	667	682	695	702	705	702	695	682	667
16.25°	684	712	735	759	776	787	790	787	776	759	735
15°	754	792	833	872	901	919	925	919	901	872	833
13.75°	852	915	980	1033	1073	1101	1111	1101	1073	1033	980
12.5°	989	1076	1163	1233	1301	1345	1359	1345	1301	1233	1163
11.25°	1155	1276	1407	1526	1632	1697	1719	1697	1632	1526	1407
10°	1365	1550	1745	1941	2101	2200	2234	2200	2101	1941	1745
8.75°	1637	1913	2204	2500	2729	2884	2939	2884	2729	2500	2204
7.5°	1977	2370	2779	3170	3474	3679	3749	3679	3474	3170	2779
6.25°	2370	2889	3409	3895	4269	4505	4587	4505	4269	3895	3409
5°	2779	3409	4044	4589	5013	5289	5386	5289	5013	4589	4044
3.75°	3170	3895	4589	5195	5667	5976	6069	5976	5667	5195	4589
2.5°	3474	4269	5013	5667	6168	6483	6585	6483	6168	5667	5013
1.25°	3679	4505	5289	5976	6483	6805	6914	6805	6483	5976	5289
0°	3749	4587	5386	6069	6585	6914	7057	6914	6585	6069	5386
-1.25°	3679	4505	5289	5976	6483	6805	6914	6805	6483	5976	5289
-2.5°	3474	4269	5013	5667	6168	6483	6585	6483	6168	5667	5013
-3.75°	3170	3895	4589	5195	5667	5976	6069	5976	5667	5195	4589
-5°	2779	3409	4044	4589	5013	5289	5386	5289	5013	4589	4044
-6.25°	2370	2889	3409	3895	4269	4505	4587	4505	4269	3895	3409
-7.5°	1977	2370	2779	3170	3474	3679	3749	3679	3474	3170	2779
-8.75°	1637	1913	2204	2500	2729	2884	2939	2884	2729	2500	2204
-10°	1365	1550	1745	1941	2101	2200	2234	2200	2101	1941	1745
-11.25°	1155	1276	1407	1526	1632	1697	1719	1697	1632	1526	1407
-12.5°	989	1076	1163	1233	1301	1345	1359	1345	1301	1233	1163
-13.75°	852	915	980	1033	1073	1101	1111	1101	1073	1033	980
-15°	754	792	833	872	901	919	925	919	901	872	833
-16.25°	684	712	735	759	776	787	790	787	776	759	735
-17.5°	625	648	667	682	695	702	705	702	695	682	667
-18.75°	580	596	610	620	629	635	637	635	629	620	610
-20°	532	552	564	573	580	584	585	584	580	573	564
-21.25°	458	485	504	518	527	533	535	533	527	518	504





REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	362	392	416	434	446	453	456	453	446	434	416
-23.75°	261	289	312	330	343	351	354	351	343	330	312
-25°	170	193	212	228	239	245	247	245	239	228	212
-26.25°	93	108	124	138	147	153	155	153	147	138	124
-27.5°	49	55	61	70	75	79	80	79	75	70	61
-28.75°	34	36	38	39	41	43	43	43	41	39	38
-30°	28	29	30	31	32	32	32	32	32	31	30
-31.25°	23	24	25	25	26	26	26	26	26	25	25
-32.5°	18	19	19	20	20	21	21	21	20	20	19
-33.75°	13	14	15	15	16	16	16	16	16	15	15
-35°	11	11	11	11	11	11	11	11	11	11	11
-36.25°	9	10	10	10	10	10	10	10	10	10	10
-37.5°	8	9	9	9	9	9	9	9	9	9	9
-38.75°	8	8	8	8	8	8	8	8	8	8	8
-40°	7	7	7	8	8	8	8	8	8	8	7
-41.25°	7	7	7	7	7	7	7	7	7	7	7
-42.5°	6	6	6	6	6	6	7	6	6	6	6
-43.75°	6	6	6	6	6	6	6	6	6	6	6
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	4	5	5	5	5	5	5	5	5	5	5
-50°	4	4	4	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	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°	3	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	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	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	1	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	0	0	0	0	0	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	1	1	1	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°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	2	2	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	3	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	3	3	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°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	4
48.75°	5	4	4	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	5	5	4	4	4	4
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	5	5	5	5	5	5	5	5	5	5	5
43.75°	6	6	6	6	5	5	5	5	5	5	5
42.5°	6	6	6	6	6	6	6	6	5	5	5
41.25°	7	7	7	7	7	6	6	6	6	6	6
40°	7	7	7	7	7	7	7	7	6	6	6
38.75°	8	8	8	8	8	7	7	7	7	7	7
37.5°	9	8	8	8	8	8	8	8	7	7	7
36.25°	10	9	9	9	9	8	8	8	8	8	8
35°	11	11	10	10	10	9	9	9	8	8	8



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	14	13	12	11	11	11	10	10	9	9	8
32.5°	19	18	17	16	14	13	11	11	10	10	9
31.25°	24	23	21	20	19	17	16	14	12	11	10
30°	29	28	27	25	24	22	20	18	16	14	12
28.75°	36	34	32	31	29	27	25	22	20	18	16
27.5°	55	49	43	38	35	32	30	27	25	22	19
26.25°	108	93	77	59	50	41	36	32	29	27	23
25°	193	170	145	116	91	68	51	40	35	31	28
23.75°	289	261	231	198	162	126	92	64	48	37	33
22.5°	392	362	327	288	245	204	159	115	80	53	39
21.25°	485	458	425	385	339	289	237	186	136	91	57
20°	552	532	507	473	431	380	323	263	205	149	96
18.75°	596	580	562	540	507	463	409	346	280	215	153
17.5°	648	625	605	582	559	527	484	426	358	285	215
16.25°	712	684	655	624	598	571	540	495	431	358	280
15°	792	754	715	678	641	608	576	544	495	426	346
13.75°	915	852	790	738	693	650	611	576	540	484	409
12.5°	1076	989	899	814	752	698	650	608	571	527	463
11.25°	1276	1155	1037	924	825	752	693	641	598	559	507
10°	1550	1365	1196	1053	924	814	738	678	624	582	540
8.75°	1913	1637	1395	1196	1037	899	790	715	655	605	562
7.5°	2370	1977	1637	1365	1155	989	852	754	684	625	580
6.25°	2889	2370	1913	1550	1276	1076	915	792	712	648	596
5°	3409	2779	2204	1745	1407	1163	980	833	735	667	610
3.75°	3895	3170	2500	1941	1526	1233	1033	872	759	682	620
2.5°	4269	3474	2729	2101	1632	1301	1073	901	776	695	629
1.25°	4505	3679	2884	2200	1697	1345	1101	919	787	702	635
0°	4587	3749	2939	2234	1719	1359	1111	925	790	705	637
-1.25°	4505	3679	2884	2200	1697	1345	1101	919	787	702	635
-2.5°	4269	3474	2729	2101	1632	1301	1073	901	776	695	629
-3.75°	3895	3170	2500	1941	1526	1233	1033	872	759	682	620
-5°	3409	2779	2204	1745	1407	1163	980	833	735	667	610
-6.25°	2889	2370	1913	1550	1276	1076	915	792	712	648	596
-7.5°	2370	1977	1637	1365	1155	989	852	754	684	625	580
-8.75°	1913	1637	1395	1196	1037	899	790	715	655	605	562
-10°	1550	1365	1196	1053	924	814	738	678	624	582	540
-11.25°	1276	1155	1037	924	825	752	693	641	598	559	507
-12.5°	1076	989	899	814	752	698	650	608	571	527	463
-13.75°	915	852	790	738	693	650	611	576	540	484	409
-15°	792	754	715	678	641	608	576	544	495	426	346
-16.25°	712	684	655	624	598	571	540	495	431	358	280
-17.5°	648	625	605	582	559	527	484	426	358	285	215
-18.75°	596	580	562	540	507	463	409	346	280	215	153
-20°	552	532	507	473	431	380	323	263	205	149	96
-21.25°	485	458	425	385	339	289	237	186	136	91	57



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	392	362	327	288	245	204	159	115	80	53	39
-23.75°	289	261	231	198	162	126	92	64	48	37	33
-25°	193	170	145	116	91	68	51	40	35	31	28
-26.25°	108	93	77	59	50	41	36	32	29	27	23
-27.5°	55	49	43	38	35	32	30	27	25	22	19
-28.75°	36	34	32	31	29	27	25	22	20	18	16
-30°	29	28	27	25	24	22	20	18	16	14	12
-31.25°	24	23	21	20	19	17	16	14	12	11	10
-32.5°	19	18	17	16	14	13	11	11	10	10	9
-33.75°	14	13	12	11	11	11	10	10	9	9	8
-35°	11	11	10	10	10	9	9	9	8	8	8
-36.25°	10	9	9	9	9	8	8	8	8	8	8
-37.5°	9	8	8	8	8	8	8	8	7	7	7
-38.75°	8	8	8	8	8	7	7	7	7	7	7
-40°	7	7	7	7	7	7	7	7	6	6	6
-41.25°	7	7	7	7	7	6	6	6	6	6	6
-42.5°	6	6	6	6	6	6	6	6	5	5	5
-43.75°	6	6	6	6	5	5	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	4	4	4	4
-48.75°	5	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	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	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	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	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	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	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	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	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	1	1	1	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	1	1	1	1	1	1
61.25°	2	2	2	2	2	2	2	2	2	1	1
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	3	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	2	2	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°	4	3	3	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	3	3	3	3	3	3	3
51.25°	4	4	4	4	4	4	4	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	3	3
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	5	5	4	4	4	4	4	4	4	4	4
43.75°	5	5	5	5	5	4	4	4	4	4	4
42.5°	5	5	5	5	5	5	5	4	4	4	4
41.25°	5	5	5	5	5	5	5	5	4	4	4
40°	6	6	5	5	5	5	5	5	5	5	4
38.75°	6	6	6	6	5	5	5	5	5	5	5
37.5°	7	7	6	6	6	6	5	5	5	5	5
36.25°	7	7	7	7	6	6	6	5	5	5	5
35°	8	7	7	7	7	6	6	6	5	5	5



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	8	8	8	7	7	7	7	6	6	6	5
32.5°	9	8	8	8	8	7	7	7	6	6	6
31.25°	10	9	9	8	8	8	7	7	7	6	6
30°	11	10	9	9	8	8	8	7	7	7	6
28.75°	13	11	10	10	9	8	8	8	7	7	7
27.5°	17	14	12	11	10	9	8	8	8	7	7
26.25°	20	18	15	12	11	10	9	8	8	8	7
25°	25	21	18	15	12	11	10	9	8	8	8
23.75°	29	25	22	18	15	12	11	10	9	8	8
22.5°	34	29	26	22	18	15	12	10	9	9	8
21.25°	41	34	29	25	21	18	14	11	10	9	8
20°	58	41	34	29	25	20	17	13	11	10	9
18.75°	96	57	39	33	28	23	19	16	12	10	9
17.5°	149	91	53	37	31	27	22	18	14	11	10
16.25°	205	136	80	48	35	29	25	20	16	12	10
15°	263	186	115	64	40	32	27	22	18	14	11
13.75°	323	237	159	92	51	36	30	25	20	16	11
12.5°	380	289	204	126	68	41	32	27	22	17	13
11.25°	431	339	245	162	91	50	35	29	24	19	14
10°	473	385	288	198	116	59	38	31	25	20	16
8.75°	507	425	327	231	145	77	43	32	27	21	17
7.5°	532	458	362	261	170	93	49	34	28	23	18
6.25°	552	485	392	289	193	108	55	36	29	24	19
5°	564	504	416	312	212	124	61	38	30	25	19
3.75°	573	518	434	330	228	138	70	39	31	25	20
2.5°	580	527	446	343	239	147	75	41	32	26	20
1.25°	584	533	453	351	245	153	79	43	32	26	21
0°	585	535	456	354	247	155	80	43	32	26	21
-1.25°	584	533	453	351	245	153	79	43	32	26	21
-2.5°	580	527	446	343	239	147	75	41	32	26	20
-3.75°	573	518	434	330	228	138	70	39	31	25	20
-5°	564	504	416	312	212	124	61	38	30	25	19
-6.25°	552	485	392	289	193	108	55	36	29	24	19
-7.5°	532	458	362	261	170	93	49	34	28	23	18
-8.75°	507	425	327	231	145	77	43	32	27	21	17
-10°	473	385	288	198	116	59	38	31	25	20	16
-11.25°	431	339	245	162	91	50	35	29	24	19	14
-12.5°	380	289	204	126	68	41	32	27	22	17	13
-13.75°	323	237	159	92	51	36	30	25	20	16	11
-15°	263	186	115	64	40	32	27	22	18	14	11
-16.25°	205	136	80	48	35	29	25	20	16	12	10
-17.5°	149	91	53	37	31	27	22	18	14	11	10
-18.75°	96	57	39	33	28	23	19	16	12	10	9
-20°	58	41	34	29	25	20	17	13	11	10	9
-21.25°	41	34	29	25	21	18	14	11	10	9	8





REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	34	29	26	22	18	15	12	10	9	9	8
-23.75°	29	25	22	18	15	12	11	10	9	8	8
-25°	25	21	18	15	12	11	10	9	8	8	8
-26.25°	20	18	15	12	11	10	9	8	8	8	7
-27.5°	17	14	12	11	10	9	8	8	8	7	7
-28.75°	13	11	10	10	9	8	8	8	7	7	7
-30°	11	10	9	9	8	8	8	7	7	7	6
-31.25°	10	9	9	8	8	8	7	7	7	6	6
-32.5°	9	8	8	8	8	7	7	7	6	6	6
-33.75°	8	8	8	7	7	7	7	6	6	6	5
-35°	8	7	7	7	7	6	6	6	5	5	5
-36.25°	7	7	7	7	6	6	6	5	5	5	5
-37.5°	7	7	6	6	6	6	5	5	5	5	5
-38.75°	6	6	6	6	5	5	5	5	5	5	5
-40°	6	6	5	5	5	5	5	5	5	5	4
-41.25°	5	5	5	5	5	5	5	5	4	4	4
-42.5°	5	5	5	5	5	5	5	4	4	4	4
-43.75°	5	5	5	5	5	4	4	4	4	4	4
-45°	5	5	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	3	3
-51.25°	4	4	4	4	4	4	4	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	3	3
-53.75°	4	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	2	2	2	2	2	2
-58.75°	3	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	1	1
-62.5°	2	2	2	2	2	1	1	1	1	1	1
-63.75°	2	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°	1	1	1	1	1	1	1	0	0	0	0
-71.25°	1	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0	0	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	0	0	0	0	0	0	0
66.25°	1	1	1	1	1	1	1	0	0	0	0
65°	1	1	1	1	1	1	1	1	1	0	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	1	1	1	1	1	1	1	1	1	1
58.75°	2	2	2	1	1	1	1	1	1	1	1
57.5°	2	2	2	2	2	1	1	1	1	1	1
56.25°	2	2	2	2	2	2	2	1	1	1	1
55°	2	2	2	2	2	2	2	2	1	1	1
53.75°	3	2	2	2	2	2	2	2	2	2	1
52.5°	3	3	3	2	2	2	2	2	2	2	2
51.25°	3	3	3	3	3	2	2	2	2	2	2
50°	3	3	3	3	3	3	2	2	2	2	2
48.75°	3	3	3	3	3	3	3	3	2	2	2
47.5°	4	4	3	3	3	3	3	3	3	2	2
46.25°	4	4	4	3	3	3	3	3	3	3	2
45°	4	4	4	4	3	3	3	3	3	3	3
43.75°	4	4	4	4	4	4	3	3	3	3	3
42.5°	4	4	4	4	4	4	4	3	3	3	3
41.25°	4	4	4	4	4	4	4	4	3	3	3
40°	4	4	4	4	4	4	4	4	4	3	3
38.75°	4	4	4	4	4	4	4	4	4	3	3
37.5°	5	4	4	4	4	4	4	4	4	4	3
36.25°	5	5	4	4	4	4	4	4	4	4	4
35°	5	5	5	4	4	4	4	4	4	4	4



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	5	5	5	5	4	4	4	4	4	4	4
32.5°	5	5	5	5	5	4	4	4	4	4	4
31.25°	6	5	5	5	5	5	4	4	4	4	4
30°	6	5	5	5	5	5	4	4	4	4	4
28.75°	6	6	5	5	5	5	5	4	4	4	4
27.5°	7	6	6	5	5	5	5	5	4	4	4
26.25°	7	6	6	6	5	5	5	5	4	4	4
25°	7	7	6	6	5	5	5	5	5	4	4
23.75°	7	7	7	6	6	5	5	5	5	4	4
22.5°	8	7	7	6	6	5	5	5	5	4	4
21.25°	8	7	7	7	6	6	5	5	5	5	4
20°	8	8	7	7	6	6	5	5	5	5	4
18.75°	8	8	8	7	7	6	6	5	5	5	5
17.5°	9	8	8	7	7	6	6	5	5	5	5
16.25°	9	8	8	7	7	6	6	5	5	5	5
15°	10	9	8	8	7	7	6	6	5	5	5
13.75°	10	9	8	8	7	7	6	6	5	5	5
12.5°	11	9	8	8	7	7	6	6	5	5	5
11.25°	11	10	9	8	8	7	7	6	5	5	5
10°	11	10	9	8	8	7	7	6	6	5	5
8.75°	12	10	9	8	8	7	7	6	6	5	5
7.5°	13	11	9	8	8	7	7	6	6	5	5
6.25°	14	11	10	9	8	7	7	6	6	5	5
5°	15	11	10	9	8	7	7	6	6	5	5
3.75°	15	11	10	9	8	8	7	6	6	5	5
2.5°	16	11	10	9	8	8	7	6	6	5	5
1.25°	16	11	10	9	8	8	7	6	6	5	5
0°	16	11	10	9	8	8	7	6	6	5	5
-1.25°	16	11	10	9	8	8	7	6	6	5	5
-2.5°	16	11	10	9	8	8	7	6	6	5	5
-3.75°	15	11	10	9	8	8	7	6	6	5	5
-5°	15	11	10	9	8	7	7	6	6	5	5
-6.25°	14	11	10	9	8	7	7	6	6	5	5
-7.5°	13	11	9	8	8	7	7	6	6	5	5
-8.75°	12	10	9	8	8	7	7	6	6	5	5
-10°	11	10	9	8	8	7	7	6	6	5	5
-11.25°	11	10	9	8	8	7	7	6	5	5	5
-12.5°	11	9	8	8	7	7	6	6	5	5	5
-13.75°	10	9	8	8	7	7	6	6	5	5	5
-15°	10	9	8	8	7	7	6	6	5	5	5
-16.25°	9	8	8	7	7	6	6	5	5	5	5
-17.5°	9	8	8	7	7	6	6	5	5	5	5
-18.75°	8	8	8	7	7	6	6	5	5	5	5
-20°	8	8	7	7	6	6	5	5	5	5	4
-21.25°	8	7	7	7	6	6	5	5	5	5	4



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	8	7	7	6	6	5	5	5	5	4	4
-23.75°	7	7	7	6	6	5	5	5	5	4	4
-25°	7	7	6	6	5	5	5	5	5	4	4
-26.25°	7	6	6	6	5	5	5	5	4	4	4
-27.5°	7	6	6	5	5	5	5	5	4	4	4
-28.75°	6	6	5	5	5	5	5	4	4	4	4
-30°	6	5	5	5	5	5	4	4	4	4	4
-31.25°	6	5	5	5	5	5	4	4	4	4	4
-32.5°	5	5	5	5	5	4	4	4	4	4	4
-33.75°	5	5	5	5	4	4	4	4	4	4	4
-35°	5	5	5	4	4	4	4	4	4	4	4
-36.25°	5	5	4	4	4	4	4	4	4	4	4
-37.5°	5	4	4	4	4	4	4	4	4	4	3
-38.75°	4	4	4	4	4	4	4	4	4	3	3
-40°	4	4	4	4	4	4	4	4	4	3	3
-41.25°	4	4	4	4	4	4	4	4	3	3	3
-42.5°	4	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	3	3	3	3	3	3	3
-46.25°	4	4	4	3	3	3	3	3	3	3	2
-47.5°	4	4	3	3	3	3	3	3	3	2	2
-48.75°	3	3	3	3	3	3	3	3	2	2	2
-50°	3	3	3	3	3	3	2	2	2	2	2
-51.25°	3	3	3	3	3	2	2	2	2	2	2
-52.5°	3	3	3	2	2	2	2	2	2	2	2
-53.75°	3	2	2	2	2	2	2	2	2	2	1
-55°	2	2	2	2	2	2	2	2	1	1	1
-56.25°	2	2	2	2	2	2	2	1	1	1	1
-57.5°	2	2	2	2	2	1	1	1	1	1	1
-58.75°	2	2	2	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	0	0
-66.25°	1	1	1	1	1	1	1	0	0	0	0
-67.5°	1	1	1	1	0	0	0	0	0	0	0
-68.75°	1	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	0	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	1	1	0	0	0	0	0	0	0
60°	1	1	1	1	1	0	0	0	0	0	0
58.75°	1	1	1	1	1	1	0	0	0	0	0
57.5°	1	1	1	1	1	1	1	0	0	0	0
56.25°	1	1	1	1	1	1	1	1	0	0	0
55°	1	1	1	1	1	1	1	1	1	0	0
53.75°	1	1	1	1	1	1	1	1	1	1	0
52.5°	1	1	1	1	1	1	1	1	1	1	1
51.25°	2	1	1	1	1	1	1	1	1	1	1
50°	2	2	1	1	1	1	1	1	1	1	1
48.75°	2	2	2	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	1	1	1	1	1	1	1
46.25°	2	2	2	2	2	1	1	1	1	1	1
45°	2	2	2	2	2	2	1	1	1	1	1
43.75°	3	2	2	2	2	2	1	1	1	1	1
42.5°	3	3	2	2	2	2	2	1	1	1	1
41.25°	3	3	2	2	2	2	2	2	1	1	1
40°	3	3	3	2	2	2	2	2	1	1	1
38.75°	3	3	3	3	2	2	2	2	2	1	1
37.5°	3	3	3	3	2	2	2	2	2	1	1
36.25°	3	3	3	3	3	2	2	2	2	2	1
35°	4	3	3	3	3	2	2	2	2	2	1



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	3	3	3	3	3	2	2	2	2	2
32.5°	4	4	3	3	3	3	2	2	2	2	2
31.25°	4	4	3	3	3	3	3	2	2	2	2
30°	4	4	4	3	3	3	3	2	2	2	2
28.75°	4	4	4	3	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	3	3	3	3	2	2	2
25°	4	4	4	4	3	3	3	3	3	2	2
23.75°	4	4	4	4	4	3	3	3	3	2	2
22.5°	4	4	4	4	4	3	3	3	3	2	2
21.25°	4	4	4	4	4	3	3	3	3	2	2
20°	4	4	4	4	4	4	3	3	3	3	2
18.75°	4	4	4	4	4	4	3	3	3	3	2
17.5°	4	4	4	4	4	4	3	3	3	3	2
16.25°	4	4	4	4	4	4	3	3	3	3	2
15°	4	4	4	4	4	4	4	3	3	3	2
13.75°	5	4	4	4	4	4	4	3	3	3	3
12.5°	5	4	4	4	4	4	4	3	3	3	3
11.25°	5	4	4	4	4	4	4	3	3	3	3
10°	5	4	4	4	4	4	4	3	3	3	3
8.75°	5	4	4	4	4	4	4	3	3	3	3
7.5°	5	4	4	4	4	4	4	3	3	3	3
6.25°	5	5	4	4	4	4	4	4	3	3	3
5°	5	5	4	4	4	4	4	4	3	3	3
3.75°	5	5	4	4	4	4	4	4	3	3	3
2.5°	5	5	4	4	4	4	4	4	3	3	3
1.25°	5	5	4	4	4	4	4	4	3	3	3
0°	5	5	4	4	4	4	4	4	3	3	3
-1.25°	5	5	4	4	4	4	4	4	3	3	3
-2.5°	5	5	4	4	4	4	4	4	3	3	3
-3.75°	5	5	4	4	4	4	4	4	3	3	3
-5°	5	5	4	4	4	4	4	4	3	3	3
-6.25°	5	5	4	4	4	4	4	4	3	3	3
-7.5°	5	4	4	4	4	4	4	3	3	3	3
-8.75°	5	4	4	4	4	4	4	3	3	3	3
-10°	5	4	4	4	4	4	4	3	3	3	3
-11.25°	5	4	4	4	4	4	4	3	3	3	3
-12.5°	5	4	4	4	4	4	4	3	3	3	3
-13.75°	5	4	4	4	4	4	4	3	3	3	3
-15°	4	4	4	4	4	4	4	3	3	3	2
-16.25°	4	4	4	4	4	4	3	3	3	3	2
-17.5°	4	4	4	4	4	4	3	3	3	3	2
-18.75°	4	4	4	4	4	4	3	3	3	3	2
-20°	4	4	4	4	4	4	3	3	3	3	2
-21.25°	4	4	4	4	4	3	3	3	3	2	2





REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	4	4	4	4	4	3	3	3	3	2	2
-23.75°	4	4	4	4	4	3	3	3	3	2	2
-25°	4	4	4	4	3	3	3	3	3	2	2
-26.25°	4	4	4	4	3	3	3	3	2	2	2
-27.5°	4	4	4	4	3	3	3	3	2	2	2
-28.75°	4	4	4	3	3	3	3	3	2	2	2
-30°	4	4	4	3	3	3	3	2	2	2	2
-31.25°	4	4	3	3	3	3	3	2	2	2	2
-32.5°	4	4	3	3	3	3	2	2	2	2	2
-33.75°	4	3	3	3	3	3	2	2	2	2	2
-35°	4	3	3	3	3	2	2	2	2	2	1
-36.25°	3	3	3	3	3	2	2	2	2	2	1
-37.5°	3	3	3	3	2	2	2	2	2	1	1
-38.75°	3	3	3	3	2	2	2	2	2	1	1
-40°	3	3	3	2	2	2	2	2	1	1	1
-41.25°	3	3	2	2	2	2	2	2	1	1	1
-42.5°	3	3	2	2	2	2	2	1	1	1	1
-43.75°	3	2	2	2	2	2	1	1	1	1	1
-45°	2	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	1	1	1	1	1	1	1
-48.75°	2	2	2	1	1	1	1	1	1	1	1
-50°	2	2	1	1	1	1	1	1	1	1	1
-51.25°	2	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-53.75°	1	1	1	1	1	1	1	1	1	1	0
-55°	1	1	1	1	1	1	1	1	1	0	0
-56.25°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	1	0	0	0	0
-58.75°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	1	1	0	0	0	0	0	0
-61.25°	1	1	1	1	0	0	0	0	0	0	0
-62.5°	1	1	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0	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	0	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	0	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	0	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	0	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	1	1	1	1	1	1	1	0	0	0	0
30°	2	1	1	1	1	1	1	0	0	0	0
28.75°	2	1	1	1	1	1	1	0	0	0	0
27.5°	2	1	1	1	1	1	1	1	0	0	0
26.25°	2	1	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	0	0	0
22.5°	2	2	1	1	1	1	1	1	0	0	0
21.25°	2	2	1	1	1	1	1	1	0	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	1	1	1	1	1	1	0	0
12.5°	2	2	2	1	1	1	1	1	1	0	0
11.25°	2	2	2	1	1	1	1	1	1	0	0
10°	2	2	2	2	1	1	1	1	1	0	0
8.75°	2	2	2	2	1	1	1	1	1	0	0
7.5°	2	2	2	2	1	1	1	1	1	0	0
6.25°	2	2	2	2	1	1	1	1	1	0	0
5°	2	2	2	2	1	1	1	1	1	0	0
3.75°	2	2	2	2	1	1	1	1	1	0	0
2.5°	2	2	2	2	1	1	1	1	1	0	0
1.25°	2	2	2	2	1	1	1	1	1	0	0
0°	2	2	2	2	1	1	1	1	1	1	0
-1.25°	2	2	2	2	1	1	1	1	1	0	0
-2.5°	2	2	2	2	1	1	1	1	1	0	0
-3.75°	2	2	2	2	1	1	1	1	1	0	0
-5°	2	2	2	2	1	1	1	1	1	0	0
-6.25°	2	2	2	2	1	1	1	1	1	0	0
-7.5°	2	2	2	2	1	1	1	1	1	0	0
-8.75°	2	2	2	2	1	1	1	1	1	0	0
-10°	2	2	2	2	1	1	1	1	1	0	0
-11.25°	2	2	2	1	1	1	1	1	1	0	0
-12.5°	2	2	2	1	1	1	1	1	1	0	0
-13.75°	2	2	2	1	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	1	1	1	1	1	1	0	0	0



REPORT NUMBER: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	0	0	0
-23.75°	2	2	1	1	1	1	1	1	0	0	0
-25°	2	2	1	1	1	1	1	1	0	0	0
-26.25°	2	1	1	1	1	1	1	1	0	0	0
-27.5°	2	1	1	1	1	1	1	1	0	0	0
-28.75°	2	1	1	1	1	1	1	0	0	0	0
-30°	2	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	1	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	0	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	0	0	0	0	0	0	0
-43.75°	1	1	1	1	0	0	0	0	0	0	0
-45°	1	1	1	0	0	0	0	0	0	0	0
-46.25°	1	1	1	0	0	0	0	0	0	0	0
-47.5°	1	1	0	0	0	0	0	0	0	0	0
-48.75°	1	1	0	0	0	0	0	0	0	0	0
-50°	1	0	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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P220504 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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)