

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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

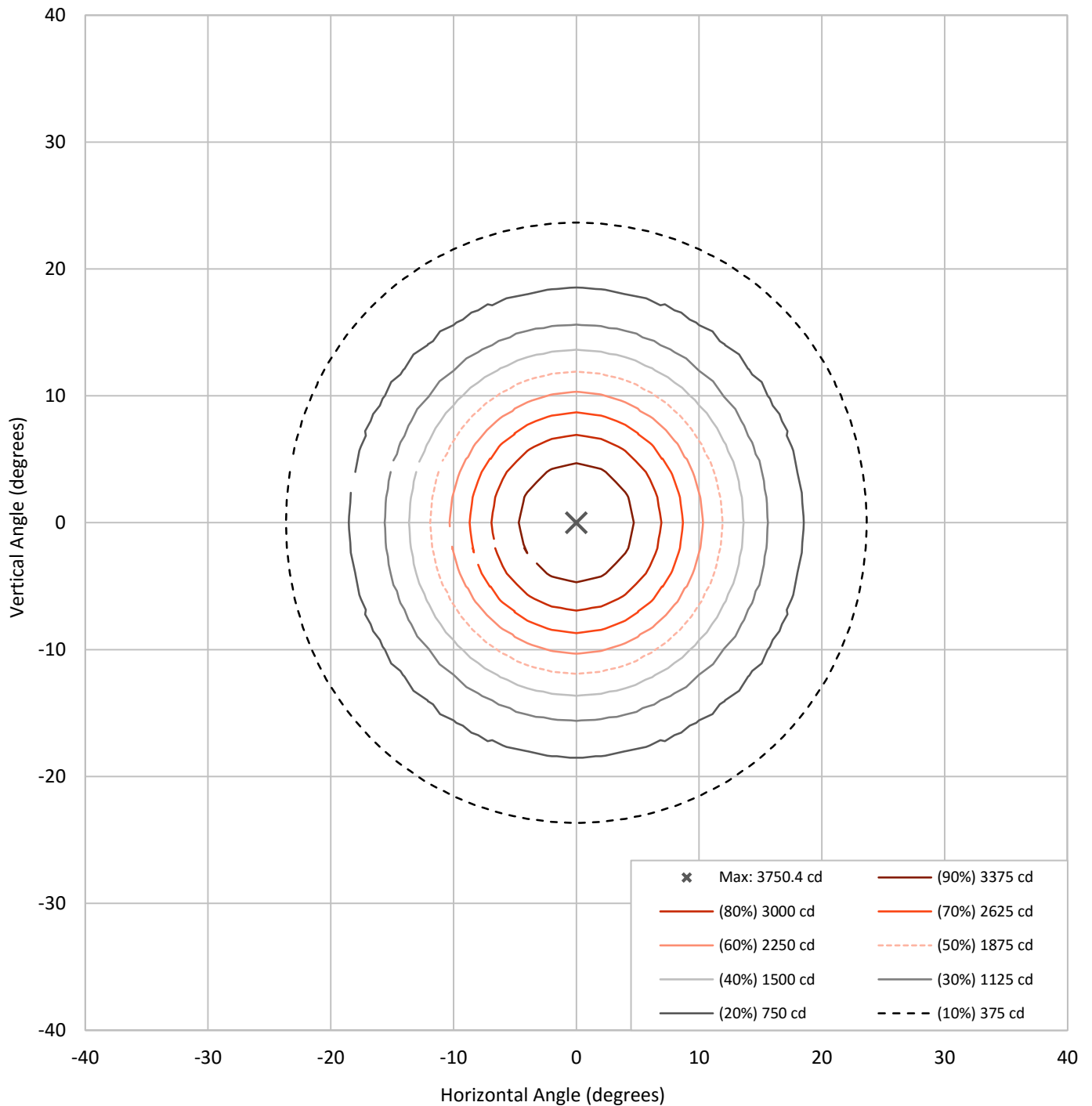
Test Method: LM-79-08
Report Number: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	781.5 lumens	Max Intensity:	3750.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	79.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.8°H x 23.8°V	Field Angle (10%):	47.3°H x 47.3°V
Beam Lumens:	366.9 lumens	Field Lumens:	704.4 lumens
Beam Efficiency:	46.9%	Field Efficiency:	90.1%
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-M-BK-L1-UNV

Iso-Candela Plot





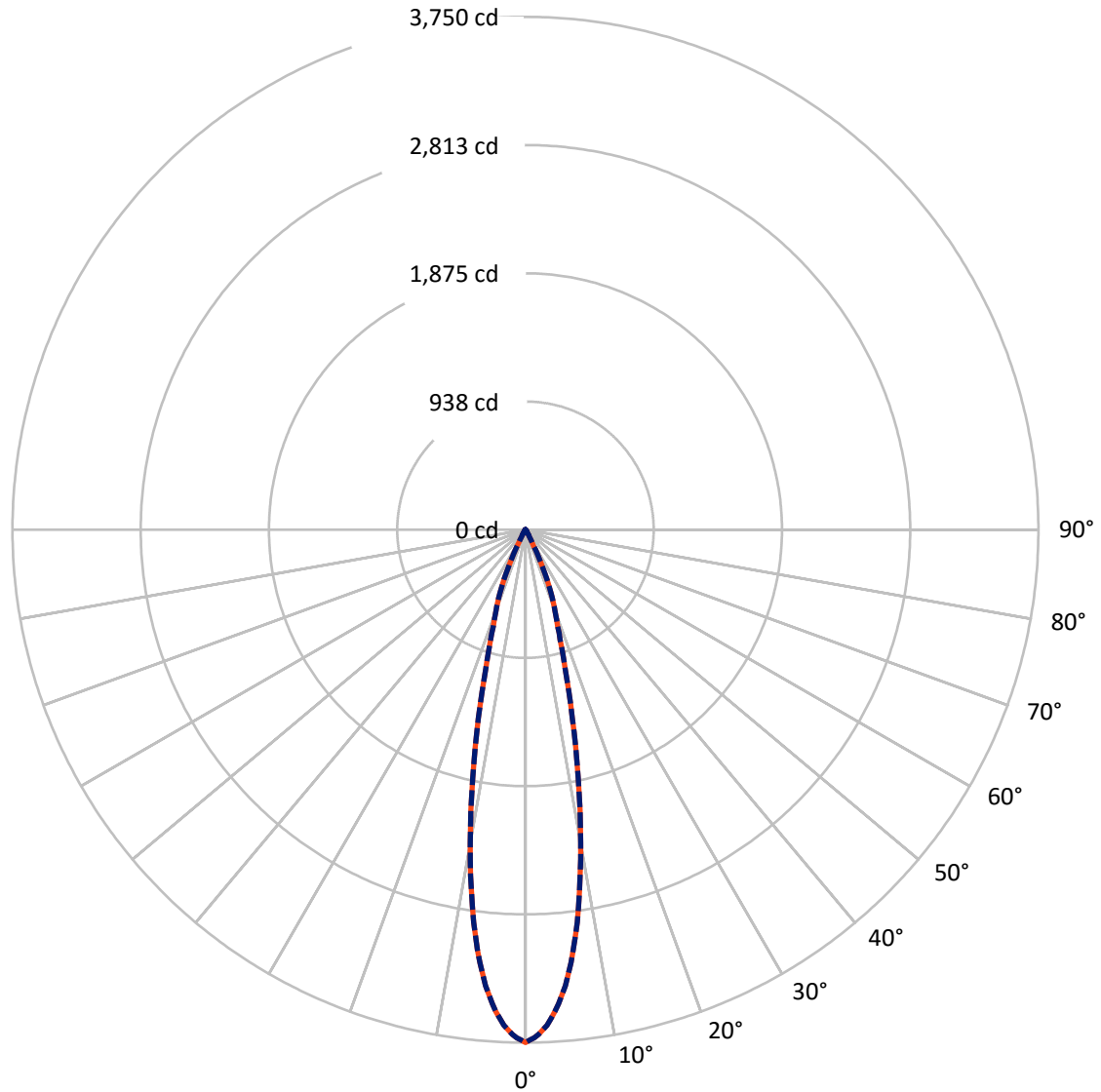
REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-BK-L1-UNV

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
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
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	
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		
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	
40		0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.6	0.4	0.2	0.1	0.1	0.0		
30	0.0	0.0	0.1	0.1	0.2	0.6	3.1	7.8	7.8	3.1	0.6	0.2	0.1	0.1	0.0	
20		0.0	0.1	0.1	0.4	2.9	16.4	34.6	34.6	16.4	2.9	0.4	0.1	0.1		
10	0.0	0.0	0.1	0.2	0.5	7.2	33.7	84.5	84.5	33.7	7.2	0.5	0.2	0.1	0.0	
0		0.0	0.1	0.2	0.5	7.2	33.7	84.5	84.5	33.7	7.2	0.5	0.2	0.1		
-10	0.0	0.0	0.1	0.1	0.4	2.9	16.4	34.6	34.6	16.4	2.9	0.4	0.1	0.1	0.0	
-20		0.0	0.1	0.1	0.2	0.6	3.1	7.8	7.8	3.1	0.6	0.2	0.1	0.1		
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.6	0.4	0.2	0.1	0.1	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		
-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	
-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		
-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	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

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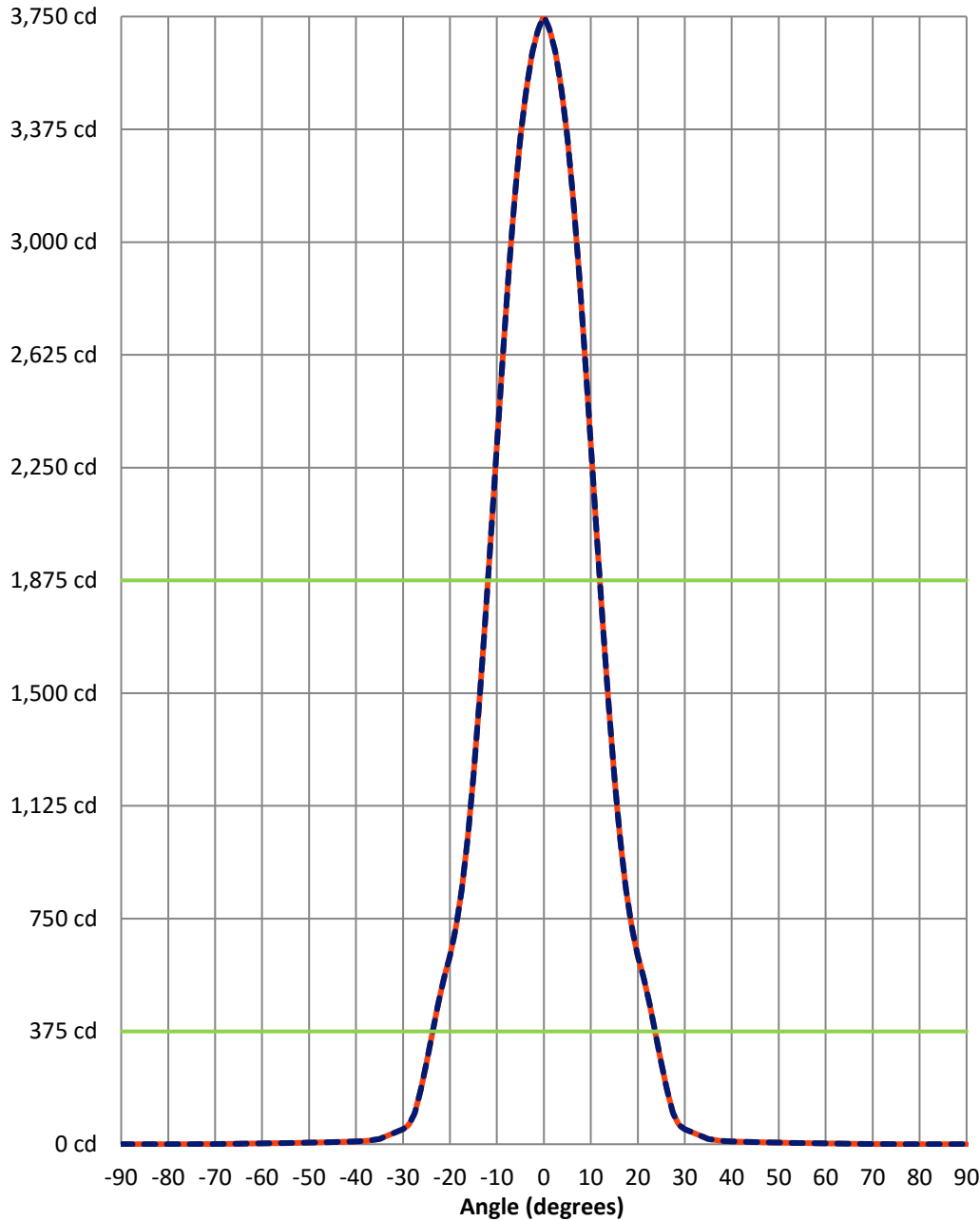
Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 23.8°
 V Angle: 23.8°
 Lumens: 366.9
 Efficiency: 46.9%

Field:
 H Angle: 47.3°
 V Angle: 47.3°
 Lumens: 704.4
 Efficiency: 90.1%

Spill:
 Lumens: 77.1
 Efficiency: 9.9%

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



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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	5
15°	2	2	2	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	4	5
11.25°	2	2	3	3	3	3	4	4	4	4	5
10°	2	2	3	3	3	3	4	4	4	5	5
8.75°	2	2	3	3	3	3	4	4	4	5	5
7.5°	2	2	3	3	3	3	4	4	4	5	5
6.25°	2	2	3	3	3	4	4	4	4	5	5
5°	2	2	3	3	3	4	4	4	4	5	5
3.75°	2	2	3	3	3	4	4	4	4	5	5
2.5°	2	2	3	3	3	4	4	4	4	5	5
1.25°	2	2	3	3	3	4	4	4	4	5	5
0°	2	2	3	3	3	4	4	4	4	5	5
-1.25°	2	2	3	3	3	4	4	4	4	5	5
-2.5°	2	2	3	3	3	4	4	4	4	5	5
-3.75°	2	2	3	3	3	4	4	4	4	5	5
-5°	2	2	3	3	3	4	4	4	4	5	5
-6.25°	2	2	3	3	3	4	4	4	4	5	5
-7.5°	2	2	3	3	3	3	4	4	4	5	5
-8.75°	2	2	3	3	3	3	4	4	4	5	5
-10°	2	2	3	3	3	3	4	4	4	5	5
-11.25°	2	2	3	3	3	3	4	4	4	4	5
-12.5°	2	2	3	3	3	3	4	4	4	4	5
-13.75°	2	2	3	3	3	3	4	4	4	4	5
-15°	2	2	2	3	3	3	4	4	4	4	5
-16.25°	2	2	2	3	3	3	3	4	4	4	5
-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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	5
38.75°	3	3	3	3	4	4	4	4	4	5	5
37.5°	3	3	3	4	4	4	4	4	5	5	5
36.25°	3	3	4	4	4	4	4	5	5	5	6
35°	3	4	4	4	4	4	5	5	5	6	6



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	3	4	4	4	4	4	5	5	6	6	6
32.5°	4	4	4	4	4	5	5	5	6	6	6
31.25°	4	4	4	4	5	5	5	6	6	6	6
30°	4	4	4	4	5	5	6	6	6	6	7
28.75°	4	4	4	5	5	5	6	6	6	7	7
27.5°	4	4	4	5	5	6	6	6	7	7	7
26.25°	4	4	5	5	5	6	6	6	7	7	8
25°	4	4	5	5	6	6	6	7	7	7	8
23.75°	4	5	5	5	6	6	6	7	7	8	8
22.5°	4	5	5	6	6	6	7	7	7	8	8
21.25°	4	5	5	6	6	6	7	7	8	8	9
20°	5	5	6	6	6	7	7	7	8	8	9
18.75°	5	5	6	6	6	7	7	8	8	9	9
17.5°	5	5	6	6	6	7	7	8	8	9	9
16.25°	5	6	6	6	7	7	8	8	9	9	10
15°	5	6	6	6	7	7	8	8	9	9	10
13.75°	5	6	6	6	7	7	8	8	9	10	11
12.5°	5	6	6	6	7	7	8	8	9	10	11
11.25°	5	6	6	7	7	8	8	9	9	10	11
10°	6	6	6	7	7	8	8	9	9	10	12
8.75°	6	6	6	7	7	8	8	9	10	11	12
7.5°	6	6	6	7	7	8	8	9	10	11	13
6.25°	6	6	6	7	7	8	8	9	10	11	13
5°	6	6	6	7	7	8	9	9	10	11	14
3.75°	6	6	6	7	7	8	9	9	10	11	14
2.5°	6	6	6	7	8	8	9	9	10	11	14
1.25°	6	6	6	7	8	8	9	9	10	11	14
0°	6	6	7	7	8	8	9	9	10	11	14
-1.25°	6	6	6	7	8	8	9	9	10	11	14
-2.5°	6	6	6	7	8	8	9	9	10	11	14
-3.75°	6	6	6	7	7	8	9	9	10	11	14
-5°	6	6	6	7	7	8	9	9	10	11	14
-6.25°	6	6	6	7	7	8	8	9	10	11	13
-7.5°	6	6	6	7	7	8	8	9	10	11	13
-8.75°	6	6	6	7	7	8	8	9	10	11	12
-10°	6	6	6	7	7	8	8	9	9	10	12
-11.25°	5	6	6	7	7	8	8	9	9	10	11
-12.5°	5	6	6	6	7	7	8	8	9	10	11
-13.75°	5	6	6	6	7	7	8	8	9	10	11
-15°	5	6	6	6	7	7	8	8	9	9	10
-16.25°	5	6	6	6	7	7	8	8	9	9	10
-17.5°	5	5	6	6	6	7	7	8	8	9	9
-18.75°	5	5	6	6	6	7	7	8	8	9	9
-20°	5	5	6	6	6	7	7	7	8	8	9
-21.25°	4	5	5	6	6	6	7	7	8	8	9



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	4	5	5	6	6	6	7	7	7	8	8
-23.75°	4	5	5	5	6	6	6	7	7	8	8
-25°	4	4	5	5	6	6	6	7	7	7	8
-26.25°	4	4	5	5	5	6	6	6	7	7	8
-27.5°	4	4	4	5	5	6	6	6	7	7	7
-28.75°	4	4	4	5	5	5	6	6	6	7	7
-30°	4	4	4	4	5	5	6	6	6	6	7
-31.25°	4	4	4	4	5	5	5	6	6	6	6
-32.5°	4	4	4	4	4	5	5	5	6	6	6
-33.75°	3	4	4	4	4	4	5	5	6	6	6
-35°	3	4	4	4	4	4	5	5	5	6	6
-36.25°	3	3	4	4	4	4	4	5	5	5	6
-37.5°	3	3	3	4	4	4	4	4	5	5	5
-38.75°	3	3	3	3	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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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	5	5
46.25°	4	4	4	4	4	4	4	5	5	5	5
45°	4	4	4	4	4	5	5	5	5	5	6
43.75°	4	4	4	5	5	5	5	5	6	6	6
42.5°	4	4	5	5	5	5	6	6	6	6	6
41.25°	5	5	5	5	6	6	6	6	6	6	7
40°	5	5	5	6	6	6	6	6	7	7	7
38.75°	5	6	6	6	6	6	7	7	7	7	7
37.5°	6	6	6	6	6	7	7	7	7	8	8
36.25°	6	6	6	6	7	7	7	8	8	8	8
35°	6	6	6	7	7	7	8	8	8	9	9



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	6	7	7	7	8	8	8	9	9	9
32.5°	6	7	7	8	8	8	9	9	9	10	10
31.25°	7	7	8	8	8	9	9	9	10	11	11
30°	7	7	8	8	9	9	9	10	11	11	13
28.75°	7	8	8	9	9	9	10	11	12	13	15
27.5°	8	8	9	9	9	10	11	12	14	16	18
26.25°	8	8	9	9	10	11	12	14	16	19	24
25°	8	9	9	10	11	12	14	16	19	24	29
23.75°	9	9	10	11	11	13	16	19	24	30	35
22.5°	9	9	10	11	13	15	18	24	29	35	41
21.25°	9	10	11	12	15	17	22	28	35	40	46
20°	9	10	11	14	16	20	27	33	39	46	52
18.75°	10	11	13	15	18	25	31	38	44	51	59
17.5°	10	11	14	16	22	29	35	42	49	57	75
16.25°	11	13	15	18	25	32	39	46	54	69	104
15°	11	14	16	22	29	36	43	50	61	87	139
13.75°	12	15	17	25	32	39	47	55	73	116	183
12.5°	13	16	20	28	35	42	50	61	91	150	226
11.25°	14	17	23	30	38	45	54	72	115	185	268
10°	14	17	25	33	40	48	57	82	140	221	308
8.75°	15	19	27	35	42	50	64	100	168	253	345
7.5°	16	21	29	37	44	53	71	117	193	283	377
6.25°	16	22	30	38	46	55	77	132	216	309	404
5°	17	23	31	39	47	57	84	148	235	330	427
3.75°	17	24	32	40	49	59	93	161	250	347	445
2.5°	17	25	33	41	49	62	99	170	261	359	457
1.25°	17	25	33	42	50	63	103	176	268	367	465
0°	17	26	34	42	50	64	104	178	270	369	467
-1.25°	17	25	33	42	50	63	103	176	268	367	465
-2.5°	17	25	33	41	49	62	99	170	261	359	457
-3.75°	17	24	32	40	49	59	93	161	250	347	445
-5°	17	23	31	39	47	57	84	148	235	330	427
-6.25°	16	22	30	38	46	55	77	132	216	309	404
-7.5°	16	21	29	37	44	53	71	117	193	283	377
-8.75°	15	19	27	35	42	50	64	100	168	253	345
-10°	14	17	25	33	40	48	57	82	140	221	308
-11.25°	14	17	23	30	38	45	54	72	115	185	268
-12.5°	13	16	20	28	35	42	50	61	91	150	226
-13.75°	12	15	17	25	32	39	47	55	73	116	183
-15°	11	14	16	22	29	36	43	50	61	87	139
-16.25°	11	13	15	18	25	32	39	46	54	69	104
-17.5°	10	11	14	16	22	29	35	42	49	57	75
-18.75°	10	11	13	15	18	25	31	38	44	51	59
-20°	9	10	11	14	16	20	27	33	39	46	52
-21.25°	9	10	11	12	15	17	22	28	35	40	46



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	9	10	11	13	15	18	24	29	35	41
-23.75°	9	9	10	11	11	13	16	19	24	30	35
-25°	8	9	9	10	11	12	14	16	19	24	29
-26.25°	8	8	9	9	10	11	12	14	16	19	24
-27.5°	8	8	9	9	9	10	11	12	14	16	18
-28.75°	7	8	8	9	9	9	10	11	12	13	15
-30°	7	7	8	8	9	9	9	10	11	11	13
-31.25°	7	7	8	8	8	9	9	9	10	11	11
-32.5°	6	7	7	8	8	8	9	9	9	10	10
-33.75°	6	6	7	7	7	8	8	8	9	9	9
-35°	6	6	6	7	7	7	8	8	8	9	9
-36.25°	6	6	6	6	7	7	7	8	8	8	8
-37.5°	6	6	6	6	6	7	7	7	7	8	8
-38.75°	5	6	6	6	6	6	7	7	7	7	7
-40°	5	5	5	6	6	6	6	6	7	7	7
-41.25°	5	5	5	5	6	6	6	6	6	6	7
-42.5°	4	4	5	5	5	5	6	6	6	6	6
-43.75°	4	4	4	5	5	5	5	5	6	6	6
-45°	4	4	4	4	4	5	5	5	5	5	6
-46.25°	4	4	4	4	4	4	4	5	5	5	5
-47.5°	4	4	4	4	4	4	4	4	4	5	5
-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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	5	5
50°	4	4	4	4	5	5	5	5	5	5	5
48.75°	4	5	5	5	5	5	5	5	5	6	6
47.5°	5	5	5	5	6	6	6	6	6	6	6
46.25°	5	6	6	6	6	6	6	6	6	6	6
45°	6	6	6	6	6	6	6	6	7	7	7
43.75°	6	6	6	6	7	7	7	7	7	7	7
42.5°	6	7	7	7	7	7	7	7	8	8	8
41.25°	7	7	7	7	8	8	8	8	8	8	8
40°	7	7	8	8	8	8	8	8	9	9	9
38.75°	8	8	8	8	9	9	9	9	9	9	10
37.5°	8	8	9	9	9	9	10	10	10	10	11
36.25°	9	9	9	9	10	10	11	11	11	12	12
35°	9	9	10	10	11	11	12	13	14	14	15



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	10	11	11	13	14	15	16	17	17	19
32.5°	11	11	13	14	15	16	17	20	23	25	27
31.25°	12	14	15	16	18	22	25	28	30	33	35
30°	15	16	18	22	25	29	32	35	38	40	42
28.75°	17	20	25	29	32	36	39	42	45	48	50
27.5°	22	27	31	35	39	43	47	50	54	57	64
26.25°	28	33	38	42	46	50	55	61	72	82	100
25°	35	39	44	49	54	61	73	91	115	140	168
23.75°	40	46	51	57	69	87	116	150	185	221	253
22.5°	46	52	59	75	104	139	183	226	268	308	345
21.25°	53	62	79	115	160	209	260	309	355	398	436
20°	62	81	120	172	228	285	340	393	442	485	521
18.75°	79	120	176	238	300	362	421	474	521	559	591
17.5°	115	172	238	305	373	437	496	545	586	622	660
16.25°	160	228	300	373	442	507	559	604	649	695	751
15°	209	285	362	437	507	564	613	665	725	792	867
13.75°	260	340	421	496	559	613	671	741	823	912	1011
12.5°	309	393	474	545	604	665	741	833	939	1055	1185
11.25°	355	442	521	586	649	725	823	939	1073	1222	1374
10°	398	485	559	622	695	792	912	1055	1222	1396	1574
8.75°	436	521	591	660	751	867	1011	1185	1374	1574	1773
7.5°	469	550	618	696	804	943	1113	1311	1523	1745	1968
6.25°	497	575	645	737	860	1016	1210	1426	1662	1904	2149
5°	518	593	669	771	907	1084	1298	1533	1785	2047	2309
3.75°	534	607	688	801	952	1144	1369	1620	1886	2165	2440
2.5°	545	618	703	826	985	1188	1422	1686	1964	2253	2539
1.25°	552	624	715	841	1005	1215	1457	1726	2012	2307	2599
0°	554	626	718	846	1012	1224	1469	1740	2028	2325	2619
-1.25°	552	624	715	841	1005	1215	1457	1726	2012	2307	2599
-2.5°	545	618	703	826	985	1188	1422	1686	1964	2253	2539
-3.75°	534	607	688	801	952	1144	1369	1620	1886	2165	2440
-5°	518	593	669	771	907	1084	1298	1533	1785	2047	2309
-6.25°	497	575	645	737	860	1016	1210	1426	1662	1904	2149
-7.5°	469	550	618	696	804	943	1113	1311	1523	1745	1968
-8.75°	436	521	591	660	751	867	1011	1185	1374	1574	1773
-10°	398	485	559	622	695	792	912	1055	1222	1396	1574
-11.25°	355	442	521	586	649	725	823	939	1073	1222	1374
-12.5°	309	393	474	545	604	665	741	833	939	1055	1185
-13.75°	260	340	421	496	559	613	671	741	823	912	1011
-15°	209	285	362	437	507	564	613	665	725	792	867
-16.25°	160	228	300	373	442	507	559	604	649	695	751
-17.5°	115	172	238	305	373	437	496	545	586	622	660
-18.75°	79	120	176	238	300	362	421	474	521	559	591
-20°	62	81	120	172	228	285	340	393	442	485	521
-21.25°	53	62	79	115	160	209	260	309	355	398	436



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	46	52	59	75	104	139	183	226	268	308	345
-23.75°	40	46	51	57	69	87	116	150	185	221	253
-25°	35	39	44	49	54	61	73	91	115	140	168
-26.25°	28	33	38	42	46	50	55	61	72	82	100
-27.5°	22	27	31	35	39	43	47	50	54	57	64
-28.75°	17	20	25	29	32	36	39	42	45	48	50
-30°	15	16	18	22	25	29	32	35	38	40	42
-31.25°	12	14	15	16	18	22	25	28	30	33	35
-32.5°	11	11	13	14	15	16	17	20	23	25	27
-33.75°	10	10	11	11	13	14	15	16	17	17	19
-35°	9	9	10	10	11	11	12	13	14	14	15
-36.25°	9	9	9	9	10	10	11	11	11	12	12
-37.5°	8	8	9	9	9	9	10	10	10	10	11
-38.75°	8	8	8	8	9	9	9	9	9	9	10
-40°	7	7	8	8	8	8	8	8	9	9	9
-41.25°	7	7	7	7	8	8	8	8	8	8	8
-42.5°	6	7	7	7	7	7	7	7	8	8	8
-43.75°	6	6	6	6	7	7	7	7	7	7	7
-45°	6	6	6	6	6	6	6	6	7	7	7
-46.25°	5	6	6	6	6	6	6	6	6	6	6
-47.5°	5	5	5	5	6	6	6	6	6	6	6
-48.75°	4	5	5	5	5	5	5	5	5	6	6
-50°	4	4	4	4	5	5	5	5	5	5	5
-51.25°	4	4	4	4	4	4	4	4	4	5	5
-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	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°	5	5	5	5	5	5	5	5	5	5	5
50°	5	5	5	5	5	5	5	5	5	5	5
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°	6	6	6	6	6	6	7	6	6	6	6
45°	7	7	7	7	7	7	7	7	7	7	7
43.75°	7	7	7	7	8	8	8	8	8	7	7
42.5°	8	8	8	8	8	8	8	8	8	8	8
41.25°	8	8	9	9	9	9	9	9	9	9	9
40°	9	9	9	9	9	9	9	9	9	9	9
38.75°	10	10	10	10	10	10	10	10	10	10	10
37.5°	11	11	11	11	11	11	11	11	11	11	11
36.25°	13	13	14	14	14	14	14	14	14	14	14
35°	16	16	17	17	17	17	17	17	17	17	17



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	21	22	23	24	25	25	26	25	25	24	23
32.5°	29	30	31	32	33	33	34	33	33	32	31
31.25°	37	38	39	40	41	42	42	42	41	40	39
30°	44	46	47	49	49	50	50	50	49	49	47
28.75°	53	55	57	59	62	63	64	63	62	59	57
27.5°	71	77	84	93	99	103	104	103	99	93	84
26.25°	117	132	148	161	170	176	178	176	170	161	148
25°	193	216	235	250	261	268	270	268	261	250	235
23.75°	283	309	330	347	359	367	369	367	359	347	330
22.5°	377	404	427	445	457	465	467	465	457	445	427
21.25°	469	497	518	534	545	552	554	552	545	534	518
20°	550	575	593	607	618	624	626	624	618	607	593
18.75°	618	645	669	688	703	715	718	715	703	688	669
17.5°	696	737	771	801	826	841	846	841	826	801	771
16.25°	804	860	907	952	985	1005	1012	1005	985	952	907
15°	943	1016	1084	1144	1188	1215	1224	1215	1188	1144	1084
13.75°	1113	1210	1298	1369	1422	1457	1469	1457	1422	1369	1298
12.5°	1311	1426	1533	1620	1686	1726	1740	1726	1686	1620	1533
11.25°	1523	1662	1785	1886	1964	2012	2028	2012	1964	1886	1785
10°	1745	1904	2047	2165	2253	2307	2325	2307	2253	2165	2047
8.75°	1968	2149	2309	2440	2539	2599	2619	2599	2539	2440	2309
7.5°	2184	2384	2560	2704	2812	2875	2897	2875	2812	2704	2560
6.25°	2384	2601	2792	2942	3053	3119	3142	3119	3053	2942	2792
5°	2560	2792	2989	3143	3254	3324	3348	3324	3254	3143	2989
3.75°	2704	2942	3143	3300	3414	3486	3508	3486	3414	3300	3143
2.5°	2812	3053	3254	3414	3531	3605	3628	3605	3531	3414	3254
1.25°	2875	3119	3324	3486	3605	3679	3707	3679	3605	3486	3324
0°	2897	3142	3348	3508	3628	3707	3750	3707	3628	3508	3348
-1.25°	2875	3119	3324	3486	3605	3679	3707	3679	3605	3486	3324
-2.5°	2812	3053	3254	3414	3531	3605	3628	3605	3531	3414	3254
-3.75°	2704	2942	3143	3300	3414	3486	3508	3486	3414	3300	3143
-5°	2560	2792	2989	3143	3254	3324	3348	3324	3254	3143	2989
-6.25°	2384	2601	2792	2942	3053	3119	3142	3119	3053	2942	2792
-7.5°	2184	2384	2560	2704	2812	2875	2897	2875	2812	2704	2560
-8.75°	1968	2149	2309	2440	2539	2599	2619	2599	2539	2440	2309
-10°	1745	1904	2047	2165	2253	2307	2325	2307	2253	2165	2047
-11.25°	1523	1662	1785	1886	1964	2012	2028	2012	1964	1886	1785
-12.5°	1311	1426	1533	1620	1686	1726	1740	1726	1686	1620	1533
-13.75°	1113	1210	1298	1369	1422	1457	1469	1457	1422	1369	1298
-15°	943	1016	1084	1144	1188	1215	1224	1215	1188	1144	1084
-16.25°	804	860	907	952	985	1005	1012	1005	985	952	907
-17.5°	696	737	771	801	826	841	846	841	826	801	771
-18.75°	618	645	669	688	703	715	718	715	703	688	669
-20°	550	575	593	607	618	624	626	624	618	607	593
-21.25°	469	497	518	534	545	552	554	552	545	534	518



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	377	404	427	445	457	465	467	465	457	445	427
-23.75°	283	309	330	347	359	367	369	367	359	347	330
-25°	193	216	235	250	261	268	270	268	261	250	235
-26.25°	117	132	148	161	170	176	178	176	170	161	148
-27.5°	71	77	84	93	99	103	104	103	99	93	84
-28.75°	53	55	57	59	62	63	64	63	62	59	57
-30°	44	46	47	49	49	50	50	50	49	49	47
-31.25°	37	38	39	40	41	42	42	42	41	40	39
-32.5°	29	30	31	32	33	33	34	33	33	32	31
-33.75°	21	22	23	24	25	25	26	25	25	24	23
-35°	16	16	17	17	17	17	17	17	17	17	17
-36.25°	13	13	14	14	14	14	14	14	14	14	14
-37.5°	11	11	11	11	11	11	11	11	11	11	11
-38.75°	10	10	10	10	10	10	10	10	10	10	10
-40°	9	9	9	9	9	9	9	9	9	9	9
-41.25°	8	8	9	9	9	9	9	9	9	9	9
-42.5°	8	8	8	8	8	8	8	8	8	8	8
-43.75°	7	7	7	7	8	8	8	8	8	7	7
-45°	7	7	7	7	7	7	7	7	7	7	7
-46.25°	6	6	6	6	6	6	7	6	6	6	6
-47.5°	6	6	6	6	6	6	6	6	6	6	6
-48.75°	6	6	6	6	6	6	6	6	6	6	6
-50°	5	5	5	5	5	5	5	5	5	5	5
-51.25°	5	5	5	5	5	5	5	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°	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	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°	5	5	5	5	4	4	4	4	4	4	4
50°	5	5	5	5	5	5	5	5	5	4	4
48.75°	6	6	6	6	5	5	5	5	5	5	5
47.5°	6	6	6	6	6	6	6	6	6	5	5
46.25°	6	6	6	6	6	6	6	6	6	6	6
45°	7	7	7	7	7	6	6	6	6	6	6
43.75°	7	7	7	7	7	7	7	7	7	6	6
42.5°	8	8	8	8	8	7	7	7	7	7	7
41.25°	8	8	8	8	8	8	8	8	8	7	7
40°	9	9	9	9	9	8	8	8	8	8	8
38.75°	10	10	10	9	9	9	9	9	9	8	8
37.5°	11	11	11	10	10	10	10	9	9	9	9
36.25°	13	13	12	12	11	11	11	10	10	9	9
35°	16	16	15	14	14	13	12	11	11	10	10



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	22	21	19	17	17	16	15	14	13	11	11
32.5°	30	29	27	25	23	20	17	16	15	14	13
31.25°	38	37	35	33	30	28	25	22	18	16	15
30°	46	44	42	40	38	35	32	29	25	22	18
28.75°	55	53	50	48	45	42	39	36	32	29	25
27.5°	77	71	64	57	54	50	47	43	39	35	31
26.25°	132	117	100	82	72	61	55	50	46	42	38
25°	216	193	168	140	115	91	73	61	54	49	44
23.75°	309	283	253	221	185	150	116	87	69	57	51
22.5°	404	377	345	308	268	226	183	139	104	75	59
21.25°	497	469	436	398	355	309	260	209	160	115	79
20°	575	550	521	485	442	393	340	285	228	172	120
18.75°	645	618	591	559	521	474	421	362	300	238	176
17.5°	737	696	660	622	586	545	496	437	373	305	238
16.25°	860	804	751	695	649	604	559	507	442	373	300
15°	1016	943	867	792	725	665	613	564	507	437	362
13.75°	1210	1113	1011	912	823	741	671	613	559	496	421
12.5°	1426	1311	1185	1055	939	833	741	665	604	545	474
11.25°	1662	1523	1374	1222	1073	939	823	725	649	586	521
10°	1904	1745	1574	1396	1222	1055	912	792	695	622	559
8.75°	2149	1968	1773	1574	1374	1185	1011	867	751	660	591
7.5°	2384	2184	1968	1745	1523	1311	1113	943	804	696	618
6.25°	2601	2384	2149	1904	1662	1426	1210	1016	860	737	645
5°	2792	2560	2309	2047	1785	1533	1298	1084	907	771	669
3.75°	2942	2704	2440	2165	1886	1620	1369	1144	952	801	688
2.5°	3053	2812	2539	2253	1964	1686	1422	1188	985	826	703
1.25°	3119	2875	2599	2307	2012	1726	1457	1215	1005	841	715
0°	3142	2897	2619	2325	2028	1740	1469	1224	1012	846	718
-1.25°	3119	2875	2599	2307	2012	1726	1457	1215	1005	841	715
-2.5°	3053	2812	2539	2253	1964	1686	1422	1188	985	826	703
-3.75°	2942	2704	2440	2165	1886	1620	1369	1144	952	801	688
-5°	2792	2560	2309	2047	1785	1533	1298	1084	907	771	669
-6.25°	2601	2384	2149	1904	1662	1426	1210	1016	860	737	645
-7.5°	2384	2184	1968	1745	1523	1311	1113	943	804	696	618
-8.75°	2149	1968	1773	1574	1374	1185	1011	867	751	660	591
-10°	1904	1745	1574	1396	1222	1055	912	792	695	622	559
-11.25°	1662	1523	1374	1222	1073	939	823	725	649	586	521
-12.5°	1426	1311	1185	1055	939	833	741	665	604	545	474
-13.75°	1210	1113	1011	912	823	741	671	613	559	496	421
-15°	1016	943	867	792	725	665	613	564	507	437	362
-16.25°	860	804	751	695	649	604	559	507	442	373	300
-17.5°	737	696	660	622	586	545	496	437	373	305	238
-18.75°	645	618	591	559	521	474	421	362	300	238	176
-20°	575	550	521	485	442	393	340	285	228	172	120
-21.25°	497	469	436	398	355	309	260	209	160	115	79



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	404	377	345	308	268	226	183	139	104	75	59
-23.75°	309	283	253	221	185	150	116	87	69	57	51
-25°	216	193	168	140	115	91	73	61	54	49	44
-26.25°	132	117	100	82	72	61	55	50	46	42	38
-27.5°	77	71	64	57	54	50	47	43	39	35	31
-28.75°	55	53	50	48	45	42	39	36	32	29	25
-30°	46	44	42	40	38	35	32	29	25	22	18
-31.25°	38	37	35	33	30	28	25	22	18	16	15
-32.5°	30	29	27	25	23	20	17	16	15	14	13
-33.75°	22	21	19	17	17	16	15	14	13	11	11
-35°	16	16	15	14	14	13	12	11	11	10	10
-36.25°	13	13	12	12	11	11	11	10	10	9	9
-37.5°	11	11	11	10	10	10	10	9	9	9	9
-38.75°	10	10	10	9	9	9	9	9	9	8	8
-40°	9	9	9	9	9	8	8	8	8	8	8
-41.25°	8	8	8	8	8	8	8	8	8	7	7
-42.5°	8	8	8	8	8	7	7	7	7	7	7
-43.75°	7	7	7	7	7	7	7	7	7	6	6
-45°	7	7	7	7	7	6	6	6	6	6	6
-46.25°	6	6	6	6	6	6	6	6	6	6	6
-47.5°	6	6	6	6	6	6	6	6	6	5	5
-48.75°	6	6	6	6	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	4	4
-51.25°	5	5	5	5	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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°	5	4	4	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	4	4	4	4	4	4	4
46.25°	6	5	5	5	5	5	4	4	4	4	4
45°	6	6	6	5	5	5	5	5	4	4	4
43.75°	6	6	6	6	6	5	5	5	5	5	4
42.5°	7	6	6	6	6	6	6	5	5	5	5
41.25°	7	7	7	6	6	6	6	6	6	5	5
40°	7	7	7	7	7	6	6	6	6	6	5
38.75°	8	8	7	7	7	7	7	6	6	6	6
37.5°	8	8	8	8	7	7	7	7	6	6	6
36.25°	9	9	8	8	8	8	7	7	7	6	6
35°	9	9	9	9	8	8	8	7	7	7	6



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	10	10	9	9	9	8	8	8	7	7	7
32.5°	11	11	10	10	9	9	9	8	8	8	7
31.25°	14	12	11	11	10	9	9	9	8	8	8
30°	16	15	13	11	11	10	9	9	9	8	8
28.75°	20	17	15	13	12	11	10	9	9	9	8
27.5°	27	22	18	16	14	12	11	10	9	9	9
26.25°	33	28	24	19	16	14	12	11	10	9	9
25°	39	35	29	24	19	16	14	12	11	10	9
23.75°	46	40	35	30	24	19	16	13	11	11	10
22.5°	52	46	41	35	29	24	18	15	13	11	10
21.25°	62	53	46	40	35	28	22	17	15	12	11
20°	81	62	52	46	39	33	27	20	16	14	11
18.75°	120	79	59	51	44	38	31	25	18	15	13
17.5°	172	115	75	57	49	42	35	29	22	16	14
16.25°	228	160	104	69	54	46	39	32	25	18	15
15°	285	209	139	87	61	50	43	36	29	22	16
13.75°	340	260	183	116	73	55	47	39	32	25	17
12.5°	393	309	226	150	91	61	50	42	35	28	20
11.25°	442	355	268	185	115	72	54	45	38	30	23
10°	485	398	308	221	140	82	57	48	40	33	25
8.75°	521	436	345	253	168	100	64	50	42	35	27
7.5°	550	469	377	283	193	117	71	53	44	37	29
6.25°	575	497	404	309	216	132	77	55	46	38	30
5°	593	518	427	330	235	148	84	57	47	39	31
3.75°	607	534	445	347	250	161	93	59	49	40	32
2.5°	618	545	457	359	261	170	99	62	49	41	33
1.25°	624	552	465	367	268	176	103	63	50	42	33
0°	626	554	467	369	270	178	104	64	50	42	34
-1.25°	624	552	465	367	268	176	103	63	50	42	33
-2.5°	618	545	457	359	261	170	99	62	49	41	33
-3.75°	607	534	445	347	250	161	93	59	49	40	32
-5°	593	518	427	330	235	148	84	57	47	39	31
-6.25°	575	497	404	309	216	132	77	55	46	38	30
-7.5°	550	469	377	283	193	117	71	53	44	37	29
-8.75°	521	436	345	253	168	100	64	50	42	35	27
-10°	485	398	308	221	140	82	57	48	40	33	25
-11.25°	442	355	268	185	115	72	54	45	38	30	23
-12.5°	393	309	226	150	91	61	50	42	35	28	20
-13.75°	340	260	183	116	73	55	47	39	32	25	17
-15°	285	209	139	87	61	50	43	36	29	22	16
-16.25°	228	160	104	69	54	46	39	32	25	18	15
-17.5°	172	115	75	57	49	42	35	29	22	16	14
-18.75°	120	79	59	51	44	38	31	25	18	15	13
-20°	81	62	52	46	39	33	27	20	16	14	11
-21.25°	62	53	46	40	35	28	22	17	15	12	11



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	52	46	41	35	29	24	18	15	13	11	10
-23.75°	46	40	35	30	24	19	16	13	11	11	10
-25°	39	35	29	24	19	16	14	12	11	10	9
-26.25°	33	28	24	19	16	14	12	11	10	9	9
-27.5°	27	22	18	16	14	12	11	10	9	9	9
-28.75°	20	17	15	13	12	11	10	9	9	9	8
-30°	16	15	13	11	11	10	9	9	9	8	8
-31.25°	14	12	11	11	10	9	9	9	8	8	8
-32.5°	11	11	10	10	9	9	9	8	8	8	7
-33.75°	10	10	9	9	9	8	8	8	7	7	7
-35°	9	9	9	9	8	8	8	7	7	7	6
-36.25°	9	9	8	8	8	8	7	7	7	6	6
-37.5°	8	8	8	8	7	7	7	7	6	6	6
-38.75°	8	8	7	7	7	7	7	6	6	6	6
-40°	7	7	7	7	7	6	6	6	6	6	5
-41.25°	7	7	7	6	6	6	6	6	6	5	5
-42.5°	7	6	6	6	6	6	6	5	5	5	5
-43.75°	6	6	6	6	6	5	5	5	5	5	4
-45°	6	6	6	5	5	5	5	5	4	4	4
-46.25°	6	5	5	5	5	5	4	4	4	4	4
-47.5°	5	5	5	5	4	4	4	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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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°	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	3	3
37.5°	6	6	5	5	5	4	4	4	4	4	3
36.25°	6	6	6	5	5	5	4	4	4	4	4
35°	6	6	6	6	5	5	5	4	4	4	4



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	6	6	6	6	6	5	5	4	4	4	4
32.5°	7	6	6	6	6	5	5	5	4	4	4
31.25°	7	7	6	6	6	6	5	5	5	4	4
30°	7	7	7	6	6	6	6	5	5	4	4
28.75°	8	7	7	7	6	6	6	5	5	5	4
27.5°	8	8	7	7	7	6	6	6	5	5	4
26.25°	8	8	8	7	7	6	6	6	5	5	5
25°	9	8	8	7	7	7	6	6	6	5	5
23.75°	9	9	8	8	7	7	6	6	6	5	5
22.5°	9	9	8	8	7	7	7	6	6	6	5
21.25°	10	9	9	8	8	7	7	6	6	6	5
20°	10	9	9	8	8	7	7	7	6	6	6
18.75°	11	10	9	9	8	8	7	7	6	6	6
17.5°	11	10	9	9	8	8	7	7	6	6	6
16.25°	13	11	10	9	9	8	8	7	7	6	6
15°	14	11	10	9	9	8	8	7	7	6	6
13.75°	15	12	11	10	9	8	8	7	7	6	6
12.5°	16	13	11	10	9	8	8	7	7	6	6
11.25°	17	14	11	10	9	9	8	8	7	7	6
10°	17	14	12	10	9	9	8	8	7	7	6
8.75°	19	15	12	11	10	9	8	8	7	7	6
7.5°	21	16	13	11	10	9	8	8	7	7	6
6.25°	22	16	13	11	10	9	8	8	7	7	6
5°	23	17	14	11	10	9	9	8	7	7	6
3.75°	24	17	14	11	10	9	9	8	7	7	6
2.5°	25	17	14	11	10	9	9	8	8	7	6
1.25°	25	17	14	11	10	9	9	8	8	7	6
0°	26	17	14	11	10	9	9	8	8	7	7
-1.25°	25	17	14	11	10	9	9	8	8	7	6
-2.5°	25	17	14	11	10	9	9	8	8	7	6
-3.75°	24	17	14	11	10	9	9	8	7	7	6
-5°	23	17	14	11	10	9	9	8	7	7	6
-6.25°	22	16	13	11	10	9	8	8	7	7	6
-7.5°	21	16	13	11	10	9	8	8	7	7	6
-8.75°	19	15	12	11	10	9	8	8	7	7	6
-10°	17	14	12	10	9	9	8	8	7	7	6
-11.25°	17	14	11	10	9	9	8	8	7	7	6
-12.5°	16	13	11	10	9	8	8	7	7	6	6
-13.75°	15	12	11	10	9	8	8	7	7	6	6
-15°	14	11	10	9	9	8	8	7	7	6	6
-16.25°	13	11	10	9	9	8	8	7	7	6	6
-17.5°	11	10	9	9	8	8	7	7	6	6	6
-18.75°	11	10	9	9	8	8	7	7	6	6	6
-20°	10	9	9	8	8	7	7	7	6	6	6
-21.25°	10	9	9	8	8	7	7	6	6	6	5



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	9	9	8	8	7	7	7	6	6	6	5
-23.75°	9	9	8	8	7	7	6	6	6	5	5
-25°	9	8	8	7	7	7	6	6	6	5	5
-26.25°	8	8	8	7	7	6	6	6	5	5	5
-27.5°	8	8	7	7	7	6	6	6	5	5	4
-28.75°	8	7	7	7	6	6	6	5	5	5	4
-30°	7	7	7	6	6	6	6	5	5	4	4
-31.25°	7	7	6	6	6	6	5	5	5	4	4
-32.5°	7	6	6	6	6	5	5	5	4	4	4
-33.75°	6	6	6	6	6	5	5	4	4	4	4
-35°	6	6	6	6	5	5	5	4	4	4	4
-36.25°	6	6	6	5	5	5	4	4	4	4	4
-37.5°	6	6	5	5	5	4	4	4	4	4	3
-38.75°	6	5	5	5	4	4	4	4	4	3	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°	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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°	5	4	4	4	4	3	3	3	3	2	2
22.5°	5	4	4	4	4	3	3	3	3	2	2
21.25°	5	4	4	4	4	3	3	3	3	2	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°	5	5	4	4	4	4	3	3	3	3	2
16.25°	6	5	5	4	4	4	3	3	3	3	2
15°	6	5	5	4	4	4	4	3	3	3	2
13.75°	6	5	5	4	4	4	4	3	3	3	3
12.5°	6	5	5	4	4	4	4	3	3	3	3
11.25°	6	5	5	4	4	4	4	3	3	3	3
10°	6	6	5	5	4	4	4	3	3	3	3
8.75°	6	6	5	5	4	4	4	3	3	3	3
7.5°	6	6	5	5	4	4	4	3	3	3	3
6.25°	6	6	5	5	4	4	4	4	3	3	3
5°	6	6	5	5	4	4	4	4	3	3	3
3.75°	6	6	5	5	4	4	4	4	3	3	3
2.5°	6	6	5	5	4	4	4	4	3	3	3
1.25°	6	6	5	5	4	4	4	4	3	3	3
0°	6	6	5	5	4	4	4	4	3	3	3
-1.25°	6	6	5	5	4	4	4	4	3	3	3
-2.5°	6	6	5	5	4	4	4	4	3	3	3
-3.75°	6	6	5	5	4	4	4	4	3	3	3
-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
-7.5°	6	6	5	5	4	4	4	3	3	3	3
-8.75°	6	6	5	5	4	4	4	3	3	3	3
-10°	6	6	5	5	4	4	4	3	3	3	3
-11.25°	6	5	5	4	4	4	4	3	3	3	3
-12.5°	6	5	5	4	4	4	4	3	3	3	3
-13.75°	6	5	5	4	4	4	4	3	3	3	3
-15°	6	5	5	4	4	4	4	3	3	3	2
-16.25°	6	5	5	4	4	4	3	3	3	3	2
-17.5°	5	5	4	4	4	4	3	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	4	4	4	4	3	3	3	3	2	2



REPORT NUMBER: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	4	4	4	4	3	3	3	3	2	2
-23.75°	5	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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°	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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	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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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: P220521 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-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)