

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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

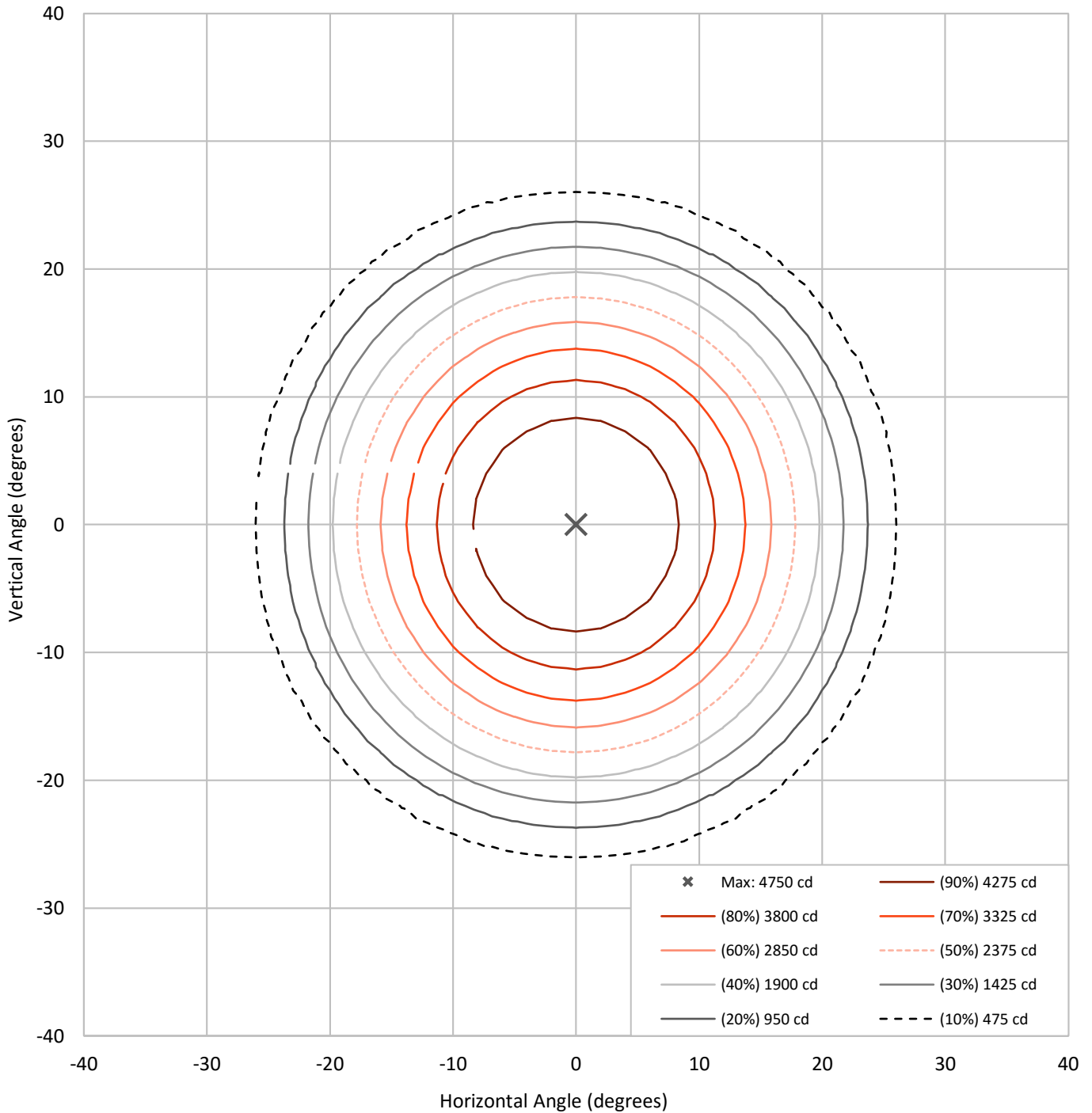
Test Method: LM-79-08
Report Number: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1628 lumens	Max Intensity:	4750 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	81.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.6°H x 35.6°V	Field Angle (10%):	52.1°H x 52.1°V
Beam Lumens:	1085.6 lumens	Field Lumens:	1528 lumens
Beam Efficiency:	66.7%	Field Efficiency:	93.9%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

Iso-Candela Plot





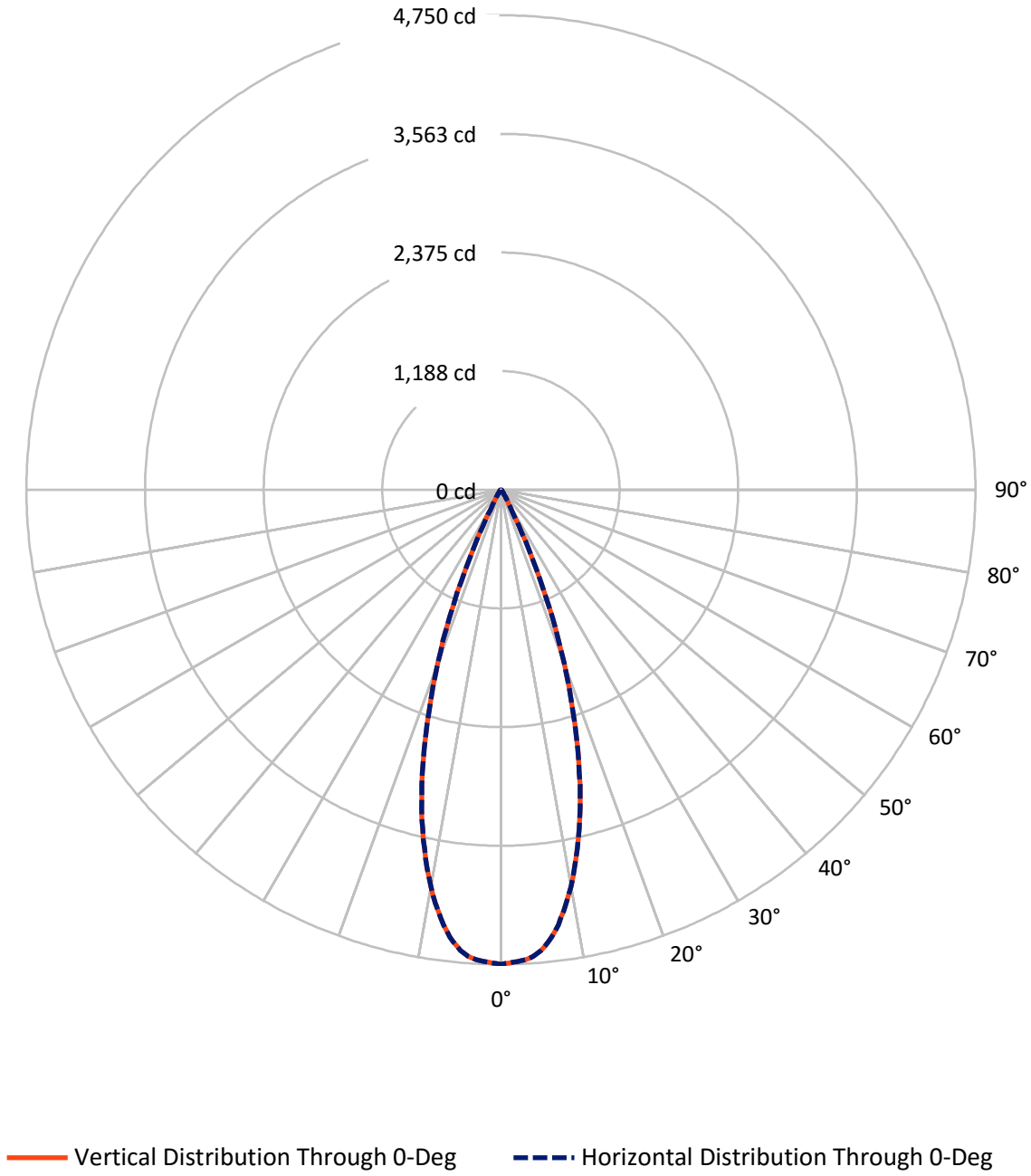
REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

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	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	
40		0.0	0.1	0.1	0.2	0.4	0.9	1.6	1.6	0.9	0.4	0.2	0.1	0.1		
30	0.0	0.0	0.1	0.2	0.4	1.6	7.8	20.5	20.5	7.8	1.6	0.4	0.2	0.1	0.0	
20		0.0	0.1	0.2	0.8	7.4	45.6	84.2	84.2	45.6	7.4	0.8	0.2	0.1		
10	0.0	0.0	0.1	0.2	1.4	18.9	81.8	130.1	130.1	81.8	18.9	1.4	0.2	0.1	0.0	
0		0.0	0.1	0.2	1.4	18.9	81.8	130.1	130.1	81.8	18.9	1.4	0.2	0.1		
-10	0.0	0.0	0.1	0.2	0.8	7.4	45.6	84.2	84.2	45.6	7.4	0.8	0.2	0.1	0.0	
-20		0.0	0.1	0.2	0.4	1.6	7.8	20.5	20.5	7.8	1.6	0.4	0.2	0.1		
-30	0.0	0.0	0.1	0.1	0.2	0.4	0.9	1.6	1.6	0.9	0.4	0.2	0.1	0.1	0.0	
-40		0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	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	

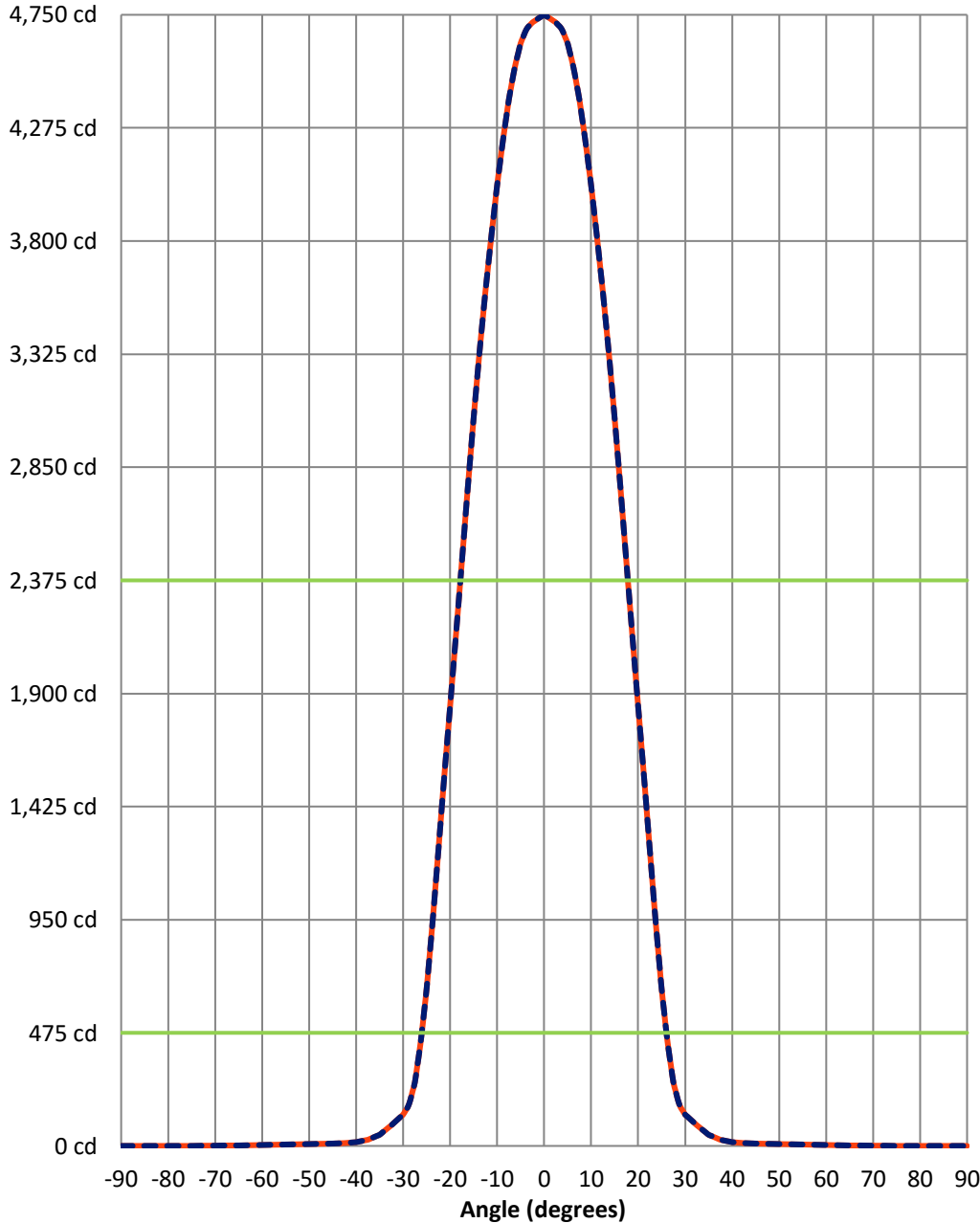
REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 35.6°
 V Angle: 35.6°
 Lumens: 1085.6
 Efficiency: 66.7%

Field:
 H Angle: 52.1°
 V Angle: 52.1°
 Lumens: 1528
 Efficiency: 93.9%

Spill:
 Lumens: 99.9
 Efficiency: 6.1%

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



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	0	0	0	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	0	0	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	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	1
48.75°	0	0	0	0	0	0	0	0	0	0	1
47.5°	0	0	0	0	0	0	0	0	0	1	1
46.25°	0	0	0	0	0	0	0	0	0	1	1
45°	0	0	0	0	0	0	0	0	1	1	1
43.75°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	1	1	1	1
41.25°	0	0	0	0	0	0	0	1	1	1	1
40°	0	0	0	0	0	0	0	1	1	1	1
38.75°	0	0	0	0	0	0	1	1	1	1	1
37.5°	0	0	0	0	0	0	1	1	1	1	1
36.25°	0	0	0	0	0	0	1	1	1	1	1
35°	0	0	0	0	0	1	1	1	1	1	1



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	0	0	0	0	1	1	1	1	2	2	2
-23.75°	0	0	0	0	1	1	1	1	2	2	2
-25°	0	0	0	0	1	1	1	1	2	2	2
-26.25°	0	0	0	0	1	1	1	1	1	2	2
-27.5°	0	0	0	0	1	1	1	1	1	2	2
-28.75°	0	0	0	0	1	1	1	1	1	2	2
-30°	0	0	0	0	0	1	1	1	1	2	2
-31.25°	0	0	0	0	0	1	1	1	1	1	2
-32.5°	0	0	0	0	0	1	1	1	1	1	2
-33.75°	0	0	0	0	0	1	1	1	1	1	2
-35°	0	0	0	0	0	1	1	1	1	1	1
-36.25°	0	0	0	0	0	0	1	1	1	1	1
-37.5°	0	0	0	0	0	0	1	1	1	1	1
-38.75°	0	0	0	0	0	0	1	1	1	1	1
-40°	0	0	0	0	0	0	0	1	1	1	1
-41.25°	0	0	0	0	0	0	0	1	1	1	1
-42.5°	0	0	0	0	0	0	0	1	1	1	1
-43.75°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-46.25°	0	0	0	0	0	0	0	0	0	1	1
-47.5°	0	0	0	0	0	0	0	0	0	1	1
-48.75°	0	0	0	0	0	0	0	0	0	0	1
-50°	0	0	0	0	0	0	0	0	0	0	1
-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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	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	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
61.25°	0	0	0	0	0	0	0	1	1	1	1
60°	0	0	0	0	0	0	1	1	1	1	1
58.75°	0	0	0	0	0	1	1	1	1	1	1
57.5°	0	0	0	0	1	1	1	1	1	1	1
56.25°	0	0	0	1	1	1	1	1	1	1	1
55°	0	0	1	1	1	1	1	1	1	1	2
53.75°	0	1	1	1	1	1	1	1	1	2	2
52.5°	1	1	1	1	1	1	1	1	2	2	2
51.25°	1	1	1	1	1	1	1	2	2	2	2
50°	1	1	1	1	1	1	2	2	2	2	2
48.75°	1	1	1	1	1	2	2	2	2	2	2
47.5°	1	1	1	1	2	2	2	2	2	2	2
46.25°	1	1	1	1	2	2	2	2	2	2	3
45°	1	1	1	2	2	2	2	2	2	3	3
43.75°	1	1	1	2	2	2	2	2	2	3	3
42.5°	1	1	2	2	2	2	2	2	3	3	3
41.25°	1	1	2	2	2	2	2	3	3	3	4
40°	1	2	2	2	2	2	2	3	3	3	4
38.75°	1	2	2	2	2	2	3	3	3	4	4
37.5°	2	2	2	2	2	2	3	3	4	4	4
36.25°	2	2	2	2	2	3	3	3	4	4	4
35°	2	2	2	2	2	3	3	4	4	4	5



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	2	2	2	2	3	3	3	4	4	5	5
32.5°	2	2	2	2	3	3	4	4	4	5	5
31.25°	2	2	2	3	3	3	4	4	5	5	5
30°	2	2	2	3	3	4	4	4	5	5	6
28.75°	2	2	2	3	3	4	4	4	5	5	6
27.5°	2	2	3	3	3	4	4	5	5	5	6
26.25°	2	2	3	3	4	4	4	5	5	6	6
25°	2	2	3	3	4	4	5	5	5	6	6
23.75°	2	2	3	3	4	4	5	5	6	6	6
22.5°	2	3	3	3	4	4	5	5	6	6	7
21.25°	2	3	3	4	4	4	5	5	6	6	7
20°	2	3	3	4	4	5	5	6	6	6	7
18.75°	2	3	3	4	4	5	5	6	6	7	7
17.5°	2	3	3	4	4	5	5	6	6	7	7
16.25°	3	3	3	4	4	5	5	6	6	7	7
15°	3	3	4	4	5	5	5	6	6	7	7
13.75°	3	3	4	4	5	5	6	6	7	7	7
12.5°	3	3	4	4	5	5	6	6	7	7	8
11.25°	3	3	4	4	5	5	6	6	7	7	8
10°	3	3	4	4	5	5	6	6	7	7	8
8.75°	3	3	4	4	5	5	6	6	7	7	8
7.5°	3	3	4	4	5	5	6	6	7	7	8
6.25°	3	3	4	4	5	5	6	6	7	7	8
5°	3	3	4	4	5	5	6	6	7	7	8
3.75°	3	3	4	4	5	5	6	6	7	7	8
2.5°	3	3	4	4	5	5	6	6	7	7	8
1.25°	3	3	4	4	5	5	6	6	7	7	8
0°	3	4	4	5	5	6	6	7	7	8	8
-1.25°	3	3	4	4	5	5	6	6	7	7	8
-2.5°	3	3	4	4	5	5	6	6	7	7	8
-3.75°	3	3	4	4	5	5	6	6	7	7	8
-5°	3	3	4	4	5	5	6	6	7	7	8
-6.25°	3	3	4	4	5	5	6	6	7	7	8
-7.5°	3	3	4	4	5	5	6	6	7	7	8
-8.75°	3	3	4	4	5	5	6	6	7	7	8
-10°	3	3	4	4	5	5	6	6	7	7	8
-11.25°	3	3	4	4	5	5	6	6	7	7	8
-12.5°	3	3	4	4	5	5	6	6	7	7	8
-13.75°	3	3	4	4	5	5	6	6	7	7	7
-15°	3	3	4	4	5	5	5	6	6	7	7
-16.25°	3	3	3	4	4	5	5	6	6	7	7
-17.5°	2	3	3	4	4	5	5	6	6	7	7
-18.75°	2	3	3	4	4	5	5	6	6	7	7
-20°	2	3	3	4	4	5	5	6	6	6	7
-21.25°	2	3	3	4	4	4	5	5	6	6	7



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	3	3	3	4	4	5	5	6	6	7
-23.75°	2	2	3	3	4	4	5	5	6	6	6
-25°	2	2	3	3	4	4	5	5	5	6	6
-26.25°	2	2	3	3	4	4	4	5	5	6	6
-27.5°	2	2	3	3	3	4	4	5	5	5	6
-28.75°	2	2	2	3	3	4	4	4	5	5	6
-30°	2	2	2	3	3	4	4	4	5	5	6
-31.25°	2	2	2	3	3	3	4	4	5	5	5
-32.5°	2	2	2	2	3	3	4	4	4	5	5
-33.75°	2	2	2	2	3	3	3	4	4	5	5
-35°	2	2	2	2	2	3	3	4	4	4	5
-36.25°	2	2	2	2	2	3	3	3	4	4	4
-37.5°	2	2	2	2	2	2	3	3	4	4	4
-38.75°	1	2	2	2	2	2	3	3	3	4	4
-40°	1	2	2	2	2	2	2	3	3	3	4
-41.25°	1	1	2	2	2	2	2	3	3	3	4
-42.5°	1	1	2	2	2	2	2	2	3	3	3
-43.75°	1	1	1	2	2	2	2	2	2	3	3
-45°	1	1	1	2	2	2	2	2	2	3	3
-46.25°	1	1	1	1	2	2	2	2	2	2	3
-47.5°	1	1	1	1	2	2	2	2	2	2	2
-48.75°	1	1	1	1	1	2	2	2	2	2	2
-50°	1	1	1	1	1	1	2	2	2	2	2
-51.25°	1	1	1	1	1	1	1	2	2	2	2
-52.5°	1	1	1	1	1	1	1	1	2	2	2
-53.75°	0	1	1	1	1	1	1	1	1	2	2
-55°	0	0	1	1	1	1	1	1	1	1	2
-56.25°	0	0	0	1	1	1	1	1	1	1	1
-57.5°	0	0	0	0	1	1	1	1	1	1	1
-58.75°	0	0	0	0	0	1	1	1	1	1	1
-60°	0	0	0	0	0	0	1	1	1	1	1
-61.25°	0	0	0	0	0	0	0	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-63.75°	0	0	0	0	0	0	0	0	0	0	1
-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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	0	0	0	0	0	0	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	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	1	1	1
67.5°	0	0	0	0	0	1	1	1	1	1	1
66.25°	0	0	0	1	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	2	2
61.25°	1	1	1	1	1	1	1	2	2	2	2
60°	1	1	1	1	1	2	2	2	2	2	2
58.75°	1	1	1	2	2	2	2	2	2	2	2
57.5°	1	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	3
55°	2	2	2	2	2	2	2	2	3	3	3
53.75°	2	2	2	2	2	2	3	3	3	3	3
52.5°	2	2	2	2	2	3	3	3	3	4	4
51.25°	2	2	2	3	3	3	3	3	4	4	4
50°	2	2	3	3	3	3	4	4	4	4	4
48.75°	2	3	3	3	3	4	4	4	4	5	5
47.5°	3	3	3	3	4	4	4	4	5	5	5
46.25°	3	3	3	4	4	4	5	5	5	5	6
45°	3	3	4	4	4	5	5	5	5	6	6
43.75°	3	4	4	4	5	5	5	5	6	6	6
42.5°	4	4	4	5	5	5	5	6	6	6	7
41.25°	4	4	5	5	5	5	6	6	6	7	7
40°	4	4	5	5	5	6	6	6	7	7	7
38.75°	4	5	5	5	6	6	6	7	7	7	8
37.5°	5	5	5	6	6	6	7	7	7	8	8
36.25°	5	5	6	6	6	7	7	7	8	8	8
35°	5	5	6	6	7	7	7	8	8	8	9



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	5	6	6	6	7	7	7	8	8	9	9
32.5°	6	6	6	7	7	7	8	8	8	9	9
31.25°	6	6	6	7	7	8	8	8	9	9	9
30°	6	6	7	7	7	8	8	9	9	9	10
28.75°	6	7	7	7	8	8	8	9	9	10	10
27.5°	6	7	7	8	8	8	9	9	10	10	11
26.25°	7	7	7	8	8	9	9	9	10	10	11
25°	7	7	8	8	8	9	9	10	10	11	12
23.75°	7	7	8	8	9	9	9	10	10	11	12
22.5°	7	7	8	8	9	9	10	10	11	12	13
21.25°	7	8	8	8	9	9	10	10	11	12	14
20°	7	8	8	9	9	10	10	11	12	13	15
18.75°	7	8	8	9	9	10	10	11	12	14	16
17.5°	8	8	9	9	9	10	11	12	13	15	17
16.25°	8	8	9	9	10	10	11	12	14	15	19
15°	8	8	9	9	10	10	11	12	14	16	21
13.75°	8	8	9	9	10	11	12	13	15	18	22
12.5°	8	9	9	9	10	11	12	13	15	19	24
11.25°	8	9	9	10	10	11	12	14	16	20	25
10°	8	9	9	10	10	11	12	14	17	22	27
8.75°	8	9	9	10	10	11	13	15	18	23	29
7.5°	8	9	9	10	11	12	13	15	19	23	31
6.25°	8	9	9	10	11	12	13	15	19	24	33
5°	8	9	9	10	11	12	14	16	20	25	34
3.75°	8	9	9	10	11	12	14	16	20	25	35
2.5°	8	9	9	10	11	12	14	16	21	26	36
1.25°	8	9	9	10	11	12	14	16	21	26	36
0°	9	9	10	10	11	12	14	16	21	26	37
-1.25°	8	9	9	10	11	12	14	16	21	26	36
-2.5°	8	9	9	10	11	12	14	16	21	26	36
-3.75°	8	9	9	10	11	12	14	16	20	25	35
-5°	8	9	9	10	11	12	14	16	20	25	34
-6.25°	8	9	9	10	11	12	13	15	19	24	33
-7.5°	8	9	9	10	11	12	13	15	19	23	31
-8.75°	8	9	9	10	10	11	13	15	18	23	29
-10°	8	9	9	10	10	11	12	14	17	22	27
-11.25°	8	9	9	10	10	11	12	14	16	20	25
-12.5°	8	9	9	9	10	11	12	13	15	19	24
-13.75°	8	8	9	9	10	11	12	13	15	18	22
-15°	8	8	9	9	10	10	11	12	14	16	21
-16.25°	8	8	9	9	10	10	11	12	14	15	19
-17.5°	8	8	9	9	9	10	11	12	13	15	17
-18.75°	7	8	8	9	9	10	10	11	12	14	16
-20°	7	8	8	9	9	10	10	11	12	13	15
-21.25°	7	8	8	8	9	9	10	10	11	12	14



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	7	7	8	8	9	9	10	10	11	12	13
-23.75°	7	7	8	8	9	9	9	10	10	11	12
-25°	7	7	8	8	8	9	9	10	10	11	12
-26.25°	7	7	7	8	8	9	9	9	10	10	11
-27.5°	6	7	7	8	8	8	9	9	10	10	11
-28.75°	6	7	7	7	8	8	8	9	9	10	10
-30°	6	6	7	7	7	8	8	9	9	9	10
-31.25°	6	6	6	7	7	8	8	8	9	9	9
-32.5°	6	6	6	7	7	7	8	8	8	9	9
-33.75°	5	6	6	6	7	7	7	8	8	9	9
-35°	5	5	6	6	7	7	7	8	8	8	9
-36.25°	5	5	6	6	6	7	7	7	8	8	8
-37.5°	5	5	5	6	6	6	7	7	7	8	8
-38.75°	4	5	5	5	6	6	6	7	7	7	8
-40°	4	4	5	5	5	6	6	6	7	7	7
-41.25°	4	4	5	5	5	5	6	6	6	7	7
-42.5°	4	4	4	5	5	5	5	6	6	6	7
-43.75°	3	4	4	4	5	5	5	5	6	6	6
-45°	3	3	4	4	4	5	5	5	5	6	6
-46.25°	3	3	3	4	4	4	5	5	5	5	6
-47.5°	3	3	3	3	4	4	4	4	5	5	5
-48.75°	2	3	3	3	3	4	4	4	4	5	5
-50°	2	2	3	3	3	3	4	4	4	4	4
-51.25°	2	2	2	3	3	3	3	3	4	4	4
-52.5°	2	2	2	2	2	3	3	3	3	4	4
-53.75°	2	2	2	2	2	2	3	3	3	3	3
-55°	2	2	2	2	2	2	2	2	3	3	3
-56.25°	2	2	2	2	2	2	2	2	2	2	3
-57.5°	1	2	2	2	2	2	2	2	2	2	2
-58.75°	1	1	1	2	2	2	2	2	2	2	2
-60°	1	1	1	1	1	2	2	2	2	2	2
-61.25°	1	1	1	1	1	1	1	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	1	2	2
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	1	1	1	1	1	1	1	1	1	1
-66.25°	0	0	0	1	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	1	1	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	1	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	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	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	2	2	2
65°	1	1	1	1	2	2	2	2	2	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	3
60°	2	2	2	2	2	2	3	3	3	3	3
58.75°	2	2	2	3	3	3	3	3	3	3	3
57.5°	2	3	3	3	3	3	3	4	4	4	4
56.25°	3	3	3	3	4	4	4	4	4	4	4
55°	3	3	4	4	4	4	4	4	5	5	5
53.75°	4	4	4	4	4	4	5	5	5	5	5
52.5°	4	4	4	5	5	5	5	5	5	6	6
51.25°	4	5	5	5	5	5	5	6	6	6	6
50°	5	5	5	5	6	6	6	6	6	6	7
48.75°	5	5	6	6	6	6	6	7	7	7	7
47.5°	5	6	6	6	6	7	7	7	7	7	7
46.25°	6	6	6	6	7	7	7	7	8	8	8
45°	6	6	7	7	7	7	8	8	8	8	8
43.75°	7	7	7	7	7	8	8	8	8	9	9
42.5°	7	7	7	8	8	8	8	9	9	9	9
41.25°	7	7	8	8	8	8	9	9	9	9	10
40°	8	8	8	8	9	9	9	9	10	10	10
38.75°	8	8	8	9	9	9	10	10	10	10	11
37.5°	8	9	9	9	9	10	10	10	11	11	12
36.25°	9	9	9	9	10	10	11	11	12	12	13
35°	9	9	9	10	10	11	11	12	13	14	15



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	9	9	10	10	11	11	12	13	14	15	17
32.5°	9	10	10	11	12	12	13	15	16	18	21
31.25°	10	10	11	12	12	14	15	16	19	22	25
30°	10	11	12	12	14	15	17	20	23	26	31
28.75°	11	11	12	14	15	17	20	23	27	33	39
27.5°	11	12	13	15	17	20	24	28	34	41	48
26.25°	12	13	15	16	20	23	28	35	42	50	62
25°	13	14	16	19	23	27	34	42	51	64	77
23.75°	14	15	18	22	26	33	41	50	64	78	91
22.5°	15	17	21	25	31	39	48	62	77	91	107
21.25°	16	19	23	29	37	45	59	74	89	106	122
20°	17	22	26	34	43	55	70	86	103	120	138
18.75°	19	24	30	39	48	65	81	98	116	134	159
17.5°	21	26	35	44	58	75	92	110	129	153	201
16.25°	23	30	39	50	67	84	103	122	144	185	267
15°	25	34	43	58	75	94	113	133	163	229	349
13.75°	28	37	47	65	83	103	123	147	196	296	446
12.5°	31	41	54	72	91	112	132	164	238	372	551
11.25°	34	44	60	79	99	119	144	191	293	452	655
10°	37	47	66	85	105	127	155	217	351	537	764
8.75°	39	51	70	90	112	133	171	260	414	618	863
7.5°	41	55	75	95	117	142	190	297	468	694	958
6.25°	43	59	79	99	121	149	205	332	525	765	1041
5°	44	62	82	103	125	154	222	369	573	824	1110
3.75°	46	64	84	106	128	159	242	398	611	870	1167
2.5°	46	66	86	108	130	166	256	419	638	906	1208
1.25°	47	67	87	109	132	170	265	431	655	928	1233
0°	47	67	87	110	132	172	268	435	660	936	1241
-1.25°	47	67	87	109	132	170	265	431	655	928	1233
-2.5°	46	66	86	108	130	166	256	419	638	906	1208
-3.75°	46	64	84	106	128	159	242	398	611	870	1167
-5°	44	62	82	103	125	154	222	369	573	824	1110
-6.25°	43	59	79	99	121	149	205	332	525	765	1041
-7.5°	41	55	75	95	117	142	190	297	468	694	958
-8.75°	39	51	70	90	112	133	171	260	414	618	863
-10°	37	47	66	85	105	127	155	217	351	537	764
-11.25°	34	44	60	79	99	119	144	191	293	452	655
-12.5°	31	41	54	72	91	112	132	164	238	372	551
-13.75°	28	37	47	65	83	103	123	147	196	296	446
-15°	25	34	43	58	75	94	113	133	163	229	349
-16.25°	23	30	39	50	67	84	103	122	144	185	267
-17.5°	21	26	35	44	58	75	92	110	129	153	201
-18.75°	19	24	30	39	48	65	81	98	116	134	159
-20°	17	22	26	34	43	55	70	86	103	120	138
-21.25°	16	19	23	29	37	45	59	74	89	106	122



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	15	17	21	25	31	39	48	62	77	91	107
-23.75°	14	15	18	22	26	33	41	50	64	78	91
-25°	13	14	16	19	23	27	34	42	51	64	77
-26.25°	12	13	15	16	20	23	28	35	42	50	62
-27.5°	11	12	13	15	17	20	24	28	34	41	48
-28.75°	11	11	12	14	15	17	20	23	27	33	39
-30°	10	11	12	12	14	15	17	20	23	26	31
-31.25°	10	10	11	12	12	14	15	16	19	22	25
-32.5°	9	10	10	11	12	12	13	15	16	18	21
-33.75°	9	9	10	10	11	11	12	13	14	15	17
-35°	9	9	9	10	10	11	11	12	13	14	15
-36.25°	9	9	9	9	10	10	11	11	12	12	13
-37.5°	8	9	9	9	9	10	10	10	11	11	12
-38.75°	8	8	8	9	9	9	10	10	10	10	11
-40°	8	8	8	8	9	9	9	9	10	10	10
-41.25°	7	7	8	8	8	8	9	9	9	9	10
-42.5°	7	7	7	8	8	8	8	9	9	9	9
-43.75°	7	7	7	7	7	8	8	8	8	9	9
-45°	6	6	7	7	7	7	8	8	8	8	8
-46.25°	6	6	6	6	7	7	7	7	8	8	8
-47.5°	5	6	6	6	6	7	7	7	7	7	7
-48.75°	5	5	6	6	6	6	6	7	7	7	7
-50°	5	5	5	5	6	6	6	6	6	6	7
-51.25°	4	5	5	5	5	5	5	6	6	6	6
-52.5°	4	4	4	5	5	5	5	5	5	6	6
-53.75°	4	4	4	4	4	4	5	5	5	5	5
-55°	3	3	4	4	4	4	4	4	5	5	5
-56.25°	3	3	3	3	4	4	4	4	4	4	4
-57.5°	2	3	3	3	3	3	3	4	4	4	4
-58.75°	2	2	2	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	3
-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	2	2	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	1	2	2	2
-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	0	0	0	0	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	5	5	5	5	5	5
56.25°	4	5	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	6	6	6	6	6
53.75°	5	6	6	6	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	7	7	7	7	7
51.25°	6	6	7	7	7	7	7	7	7	7	7
50°	7	7	7	7	7	7	7	8	8	8	8
48.75°	7	7	7	8	8	8	8	8	8	8	8
47.5°	8	8	8	8	8	8	8	9	9	9	9
46.25°	8	8	8	9	9	9	9	9	9	9	9
45°	8	9	9	9	9	9	9	9	10	10	10
43.75°	9	9	9	9	10	10	10	10	10	10	10
42.5°	9	10	10	10	10	10	11	11	11	11	11
41.25°	10	10	10	11	11	11	12	12	12	12	13
40°	10	11	11	12	12	12	13	13	14	14	15
38.75°	11	12	12	13	14	14	15	15	16	17	18
37.5°	12	13	14	15	15	16	18	19	20	22	23
36.25°	14	15	16	17	19	21	22	24	25	27	29
35°	16	17	19	21	23	25	28	31	34	37	39



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	19	22	24	26	30	34	37	41	44	47	51
32.5°	23	26	30	35	39	43	47	54	60	66	70
31.25°	29	34	39	44	50	58	65	72	79	85	90
30°	37	43	48	58	67	75	83	91	99	105	112
28.75°	45	55	65	75	84	94	103	112	119	127	133
27.5°	59	70	81	92	103	113	123	132	144	155	171
26.25°	74	86	98	110	122	133	147	164	191	217	260
25°	89	103	116	129	144	163	196	238	293	351	414
23.75°	106	120	134	153	185	229	296	372	452	537	618
22.5°	122	138	159	201	267	349	446	551	655	764	863
21.25°	140	166	210	293	394	509	634	767	895	1023	1139
20°	166	214	306	422	556	700	852	1008	1157	1299	1427
18.75°	210	306	431	579	742	914	1090	1264	1426	1573	1702
17.5°	293	422	579	757	946	1141	1336	1517	1682	1829	1966
16.25°	394	556	742	946	1159	1373	1573	1754	1924	2084	2235
15°	509	700	914	1141	1373	1592	1791	1982	2167	2343	2497
13.75°	634	852	1090	1336	1573	1791	2002	2210	2406	2586	2763
12.5°	767	1008	1264	1517	1754	1982	2210	2428	2634	2837	3007
11.25°	895	1157	1426	1682	1924	2167	2406	2634	2860	3055	3234
10°	1023	1299	1573	1829	2084	2343	2586	2837	3055	3259	3437
8.75°	1139	1427	1702	1966	2235	2497	2763	3007	3234	3437	3614
7.5°	1247	1538	1813	2088	2369	2640	2913	3159	3388	3590	3771
6.25°	1339	1634	1912	2198	2482	2770	3039	3293	3520	3722	3908
5°	1415	1709	1995	2290	2577	2875	3144	3398	3624	3832	4022
3.75°	1475	1769	2060	2361	2657	2953	3228	3482	3708	3919	4110
2.5°	1518	1812	2108	2412	2716	3010	3289	3540	3768	3982	4175
1.25°	1544	1838	2138	2443	2751	3045	3323	3574	3805	4021	4213
0°	1552	1847	2148	2453	2763	3057	3335	3586	3818	4034	4226
-1.25°	1544	1838	2138	2443	2751	3045	3323	3574	3805	4021	4213
-2.5°	1518	1812	2108	2412	2716	3010	3289	3540	3768	3982	4175
-3.75°	1475	1769	2060	2361	2657	2953	3228	3482	3708	3919	4110
-5°	1415	1709	1995	2290	2577	2875	3144	3398	3624	3832	4022
-6.25°	1339	1634	1912	2198	2482	2770	3039	3293	3520	3722	3908
-7.5°	1247	1538	1813	2088	2369	2640	2913	3159	3388	3590	3771
-8.75°	1139	1427	1702	1966	2235	2497	2763	3007	3234	3437	3614
-10°	1023	1299	1573	1829	2084	2343	2586	2837	3055	3259	3437
-11.25°	895	1157	1426	1682	1924	2167	2406	2634	2860	3055	3234
-12.5°	767	1008	1264	1517	1754	1982	2210	2428	2634	2837	3007
-13.75°	634	852	1090	1336	1573	1791	2002	2210	2406	2586	2763
-15°	509	700	914	1141	1373	1592	1791	1982	2167	2343	2497
-16.25°	394	556	742	946	1159	1373	1573	1754	1924	2084	2235
-17.5°	293	422	579	757	946	1141	1336	1517	1682	1829	1966
-18.75°	210	306	431	579	742	914	1090	1264	1426	1573	1702
-20°	166	214	306	422	556	700	852	1008	1157	1299	1427
-21.25°	140	166	210	293	394	509	634	767	895	1023	1139



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	122	138	159	201	267	349	446	551	655	764	863
-23.75°	106	120	134	153	185	229	296	372	452	537	618
-25°	89	103	116	129	144	163	196	238	293	351	414
-26.25°	74	86	98	110	122	133	147	164	191	217	260
-27.5°	59	70	81	92	103	113	123	132	144	155	171
-28.75°	45	55	65	75	84	94	103	112	119	127	133
-30°	37	43	48	58	67	75	83	91	99	105	112
-31.25°	29	34	39	44	50	58	65	72	79	85	90
-32.5°	23	26	30	35	39	43	47	54	60	66	70
-33.75°	19	22	24	26	30	34	37	41	44	47	51
-35°	16	17	19	21	23	25	28	31	34	37	39
-36.25°	14	15	16	17	19	21	22	24	25	27	29
-37.5°	12	13	14	15	15	16	18	19	20	22	23
-38.75°	11	12	12	13	14	14	15	15	16	17	18
-40°	10	11	11	12	12	12	13	13	14	14	15
-41.25°	10	10	10	11	11	11	12	12	12	12	13
-42.5°	9	10	10	10	10	10	11	11	11	11	11
-43.75°	9	9	9	9	10	10	10	10	10	10	10
-45°	8	9	9	9	9	9	9	9	10	10	10
-46.25°	8	8	8	9	9	9	9	9	9	9	9
-47.5°	8	8	8	8	8	8	8	9	9	9	9
-48.75°	7	7	7	8	8	8	8	8	8	8	8
-50°	7	7	7	7	7	7	7	8	8	8	8
-51.25°	6	6	7	7	7	7	7	7	7	7	7
-52.5°	6	6	6	6	6	6	7	7	7	7	7
-53.75°	5	6	6	6	6	6	6	6	6	6	6
-55°	5	5	5	5	5	5	6	6	6	6	6
-56.25°	4	5	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	5	5	5	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	2	2	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	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	1	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	2	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	3	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	4	3	3	3	3
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	5	4	4	4	4
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	5	5	6	5	5	5	5
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	7	6	6	6	6
52.5°	7	7	7	7	7	7	7	7	7	7	7
51.25°	7	7	7	7	7	7	8	7	7	7	7
50°	8	8	8	8	8	8	8	8	8	8	8
48.75°	8	8	8	8	8	8	9	8	8	8	8
47.5°	9	9	9	9	9	9	9	9	9	9	9
46.25°	9	9	9	9	9	9	10	9	9	9	9
45°	10	10	10	10	10	10	10	10	10	10	10
43.75°	11	11	11	11	11	11	11	11	11	11	11
42.5°	12	12	12	12	12	12	12	12	12	12	12
41.25°	13	13	14	14	14	14	14	14	14	14	14
40°	15	15	16	16	16	16	16	16	16	16	16
38.75°	19	19	20	20	21	21	21	21	21	20	20
37.5°	23	24	25	25	26	26	26	26	26	25	25
36.25°	31	33	34	35	36	36	37	36	36	35	34
35°	41	43	44	46	46	47	47	47	46	46	44



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	55	59	62	64	66	67	67	67	66	64	62
32.5°	75	79	82	84	86	87	87	87	86	84	82
31.25°	95	99	103	106	108	109	110	109	108	106	103
30°	117	121	125	128	130	132	132	132	130	128	125
28.75°	142	149	154	159	166	170	172	170	166	159	154
27.5°	190	205	222	242	256	265	268	265	256	242	222
26.25°	297	332	369	398	419	431	435	431	419	398	369
25°	468	525	573	611	638	655	660	655	638	611	573
23.75°	694	765	824	870	906	928	936	928	906	870	824
22.5°	958	1041	1110	1167	1208	1233	1241	1233	1208	1167	1110
21.25°	1247	1339	1415	1475	1518	1544	1552	1544	1518	1475	1415
20°	1538	1634	1709	1769	1812	1838	1847	1838	1812	1769	1709
18.75°	1813	1912	1995	2060	2108	2138	2148	2138	2108	2060	1995
17.5°	2088	2198	2290	2361	2412	2443	2453	2443	2412	2361	2290
16.25°	2369	2482	2577	2657	2716	2751	2763	2751	2716	2657	2577
15°	2640	2770	2875	2953	3010	3045	3057	3045	3010	2953	2875
13.75°	2913	3039	3144	3228	3289	3323	3335	3323	3289	3228	3144
12.5°	3159	3293	3398	3482	3540	3574	3586	3574	3540	3482	3398
11.25°	3388	3520	3624	3708	3768	3805	3818	3805	3768	3708	3624
10°	3590	3722	3832	3919	3982	4021	4034	4021	3982	3919	3832
8.75°	3771	3908	4022	4110	4175	4213	4226	4213	4175	4110	4022
7.5°	3933	4073	4189	4278	4344	4382	4395	4382	4344	4278	4189
6.25°	4073	4214	4332	4421	4483	4518	4531	4518	4483	4421	4332
5°	4189	4332	4449	4531	4586	4618	4630	4618	4586	4531	4449
3.75°	4278	4421	4531	4607	4657	4686	4692	4686	4657	4607	4531
2.5°	4344	4483	4586	4657	4697	4714	4718	4714	4697	4657	4586
1.25°	4382	4518	4618	4686	4714	4727	4735	4727	4714	4686	4618
0°	4395	4531	4630	4692	4718	4735	4750	4735	4718	4692	4630
-1.25°	4382	4518	4618	4686	4714	4727	4735	4727	4714	4686	4618
-2.5°	4344	4483	4586	4657	4697	4714	4718	4714	4697	4657	4586
-3.75°	4278	4421	4531	4607	4657	4686	4692	4686	4657	4607	4531
-5°	4189	4332	4449	4531	4586	4618	4630	4618	4586	4531	4449
-6.25°	4073	4214	4332	4421	4483	4518	4531	4518	4483	4421	4332
-7.5°	3933	4073	4189	4278	4344	4382	4395	4382	4344	4278	4189
-8.75°	3771	3908	4022	4110	4175	4213	4226	4213	4175	4110	4022
-10°	3590	3722	3832	3919	3982	4021	4034	4021	3982	3919	3832
-11.25°	3388	3520	3624	3708	3768	3805	3818	3805	3768	3708	3624
-12.5°	3159	3293	3398	3482	3540	3574	3586	3574	3540	3482	3398
-13.75°	2913	3039	3144	3228	3289	3323	3335	3323	3289	3228	3144
-15°	2640	2770	2875	2953	3010	3045	3057	3045	3010	2953	2875
-16.25°	2369	2482	2577	2657	2716	2751	2763	2751	2716	2657	2577
-17.5°	2088	2198	2290	2361	2412	2443	2453	2443	2412	2361	2290
-18.75°	1813	1912	1995	2060	2108	2138	2148	2138	2108	2060	1995
-20°	1538	1634	1709	1769	1812	1838	1847	1838	1812	1769	1709
-21.25°	1247	1339	1415	1475	1518	1544	1552	1544	1518	1475	1415



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	958	1041	1110	1167	1208	1233	1241	1233	1208	1167	1110
-23.75°	694	765	824	870	906	928	936	928	906	870	824
-25°	468	525	573	611	638	655	660	655	638	611	573
-26.25°	297	332	369	398	419	431	435	431	419	398	369
-27.5°	190	205	222	242	256	265	268	265	256	242	222
-28.75°	142	149	154	159	166	170	172	170	166	159	154
-30°	117	121	125	128	130	132	132	132	130	128	125
-31.25°	95	99	103	106	108	109	110	109	108	106	103
-32.5°	75	79	82	84	86	87	87	87	86	84	82
-33.75°	55	59	62	64	66	67	67	67	66	64	62
-35°	41	43	44	46	46	47	47	47	46	46	44
-36.25°	31	33	34	35	36	36	37	36	36	35	34
-37.5°	23	24	25	25	26	26	26	26	26	25	25
-38.75°	19	19	20	20	21	21	21	21	21	20	20
-40°	15	15	16	16	16	16	16	16	16	16	16
-41.25°	13	13	14	14	14	14	14	14	14	14	14
-42.5°	12	12	12	12	12	12	12	12	12	12	12
-43.75°	11	11	11	11	11	11	11	11	11	11	11
-45°	10	10	10	10	10	10	10	10	10	10	10
-46.25°	9	9	9	9	9	9	10	9	9	9	9
-47.5°	9	9	9	9	9	9	9	9	9	9	9
-48.75°	8	8	8	8	8	8	9	8	8	8	8
-50°	8	8	8	8	8	8	8	8	8	8	8
-51.25°	7	7	7	7	7	7	8	7	7	7	7
-52.5°	7	7	7	7	7	7	7	7	7	7	7
-53.75°	6	6	6	6	6	6	7	6	6	6	6
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	5	5	6	5	5	5	5
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	4	4	4	5	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	4	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	3	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	1	1	1	1	1	2	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	1	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	2	2
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	4	3	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	5	5	4	4	4
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	6	6	6	6	6	6	6	5	5	5	5
53.75°	6	6	6	6	6	6	6	6	6	6	6
52.5°	7	7	7	7	7	7	7	6	6	6	6
51.25°	7	7	7	7	7	7	7	7	7	7	7
50°	8	8	8	8	8	8	7	7	7	7	7
48.75°	8	8	8	8	8	8	8	8	8	8	7
47.5°	9	9	9	9	9	9	8	8	8	8	8
46.25°	9	9	9	9	9	9	9	9	9	9	8
45°	10	10	10	10	10	9	9	9	9	9	9
43.75°	11	11	10	10	10	10	10	10	10	9	9
42.5°	12	12	11	11	11	11	11	10	10	10	10
41.25°	13	13	13	12	12	12	12	11	11	11	10
40°	15	15	15	14	14	13	13	12	12	12	11
38.75°	19	19	18	17	16	15	15	14	14	13	12
37.5°	24	23	23	22	20	19	18	16	15	15	14
36.25°	33	31	29	27	25	24	22	21	19	17	16
35°	43	41	39	37	34	31	28	25	23	21	19



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	59	55	51	47	44	41	37	34	30	26	24
32.5°	79	75	70	66	60	54	47	43	39	35	30
31.25°	99	95	90	85	79	72	65	58	50	44	39
30°	121	117	112	105	99	91	83	75	67	58	48
28.75°	149	142	133	127	119	112	103	94	84	75	65
27.5°	205	190	171	155	144	132	123	113	103	92	81
26.25°	332	297	260	217	191	164	147	133	122	110	98
25°	525	468	414	351	293	238	196	163	144	129	116
23.75°	765	694	618	537	452	372	296	229	185	153	134
22.5°	1041	958	863	764	655	551	446	349	267	201	159
21.25°	1339	1247	1139	1023	895	767	634	509	394	293	210
20°	1634	1538	1427	1299	1157	1008	852	700	556	422	306
18.75°	1912	1813	1702	1573	1426	1264	1090	914	742	579	431
17.5°	2198	2088	1966	1829	1682	1517	1336	1141	946	757	579
16.25°	2482	2369	2235	2084	1924	1754	1573	1373	1159	946	742
15°	2770	2640	2497	2343	2167	1982	1791	1592	1373	1141	914
13.75°	3039	2913	2763	2586	2406	2210	2002	1791	1573	1336	1090
12.5°	3293	3159	3007	2837	2634	2428	2210	1982	1754	1517	1264
11.25°	3520	3388	3234	3055	2860	2634	2406	2167	1924	1682	1426
10°	3722	3590	3437	3259	3055	2837	2586	2343	2084	1829	1573
8.75°	3908	3771	3614	3437	3234	3007	2763	2497	2235	1966	1702
7.5°	4073	3933	3771	3590	3388	3159	2913	2640	2369	2088	1813
6.25°	4214	4073	3908	3722	3520	3293	3039	2770	2482	2198	1912
5°	4332	4189	4022	3832	3624	3398	3144	2875	2577	2290	1995
3.75°	4421	4278	4110	3919	3708	3482	3228	2953	2657	2361	2060
2.5°	4483	4344	4175	3982	3768	3540	3289	3010	2716	2412	2108
1.25°	4518	4382	4213	4021	3805	3574	3323	3045	2751	2443	2138
0°	4531	4395	4226	4034	3818	3586	3335	3057	2763	2453	2148
-1.25°	4518	4382	4213	4021	3805	3574	3323	3045	2751	2443	2138
-2.5°	4483	4344	4175	3982	3768	3540	3289	3010	2716	2412	2108
-3.75°	4421	4278	4110	3919	3708	3482	3228	2953	2657	2361	2060
-5°	4332	4189	4022	3832	3624	3398	3144	2875	2577	2290	1995
-6.25°	4214	4073	3908	3722	3520	3293	3039	2770	2482	2198	1912
-7.5°	4073	3933	3771	3590	3388	3159	2913	2640	2369	2088	1813
-8.75°	3908	3771	3614	3437	3234	3007	2763	2497	2235	1966	1702
-10°	3722	3590	3437	3259	3055	2837	2586	2343	2084	1829	1573
-11.25°	3520	3388	3234	3055	2860	2634	2406	2167	1924	1682	1426
-12.5°	3293	3159	3007	2837	2634	2428	2210	1982	1754	1517	1264
-13.75°	3039	2913	2763	2586	2406	2210	2002	1791	1573	1336	1090
-15°	2770	2640	2497	2343	2167	1982	1791	1592	1373	1141	914
-16.25°	2482	2369	2235	2084	1924	1754	1573	1373	1159	946	742
-17.5°	2198	2088	1966	1829	1682	1517	1336	1141	946	757	579
-18.75°	1912	1813	1702	1573	1426	1264	1090	914	742	579	431
-20°	1634	1538	1427	1299	1157	1008	852	700	556	422	306
-21.25°	1339	1247	1139	1023	895	767	634	509	394	293	210



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	1041	958	863	764	655	551	446	349	267	201	159
-23.75°	765	694	618	537	452	372	296	229	185	153	134
-25°	525	468	414	351	293	238	196	163	144	129	116
-26.25°	332	297	260	217	191	164	147	133	122	110	98
-27.5°	205	190	171	155	144	132	123	113	103	92	81
-28.75°	149	142	133	127	119	112	103	94	84	75	65
-30°	121	117	112	105	99	91	83	75	67	58	48
-31.25°	99	95	90	85	79	72	65	58	50	44	39
-32.5°	79	75	70	66	60	54	47	43	39	35	30
-33.75°	59	55	51	47	44	41	37	34	30	26	24
-35°	43	41	39	37	34	31	28	25	23	21	19
-36.25°	33	31	29	27	25	24	22	21	19	17	16
-37.5°	24	23	23	22	20	19	18	16	15	15	14
-38.75°	19	19	18	17	16	15	15	14	14	13	12
-40°	15	15	15	14	14	13	13	12	12	12	11
-41.25°	13	13	13	12	12	12	12	11	11	11	10
-42.5°	12	12	11	11	11	11	11	10	10	10	10
-43.75°	11	11	10	10	10	10	10	10	10	9	9
-45°	10	10	10	10	10	9	9	9	9	9	9
-46.25°	9	9	9	9	9	9	9	9	9	9	8
-47.5°	9	9	9	9	9	9	8	8	8	8	8
-48.75°	8	8	8	8	8	8	8	8	8	8	7
-50°	8	8	8	8	8	8	7	7	7	7	7
-51.25°	7	7	7	7	7	7	7	7	7	7	7
-52.5°	7	7	7	7	7	7	7	6	6	6	6
-53.75°	6	6	6	6	6	6	6	6	6	6	6
-55°	6	6	6	6	6	6	6	5	5	5	5
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	5	5	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	3	3	3
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	1	0	0	0
70°	1	1	1	1	1	1	1	1	1	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°	2	2	2	2	2	1	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	2	1	1
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	2	2	2	2
58.75°	4	4	3	3	3	3	3	3	3	3	2
57.5°	4	4	4	4	4	4	3	3	3	3	3
56.25°	5	4	4	4	4	4	4	4	4	3	3
55°	5	5	5	5	5	4	4	4	4	4	4
53.75°	6	5	5	5	5	5	5	4	4	4	4
52.5°	6	6	6	6	5	5	5	5	5	5	4
51.25°	6	6	6	6	6	6	5	5	5	5	5
50°	7	7	7	6	6	6	6	6	6	5	5
48.75°	7	7	7	7	7	7	6	6	6	6	6
47.5°	8	8	7	7	7	7	7	7	6	6	6
46.25°	8	8	8	8	8	7	7	7	7	6	6
45°	9	8	8	8	8	8	8	7	7	7	7
43.75°	9	9	9	9	8	8	8	8	7	7	7
42.5°	10	9	9	9	9	9	8	8	8	8	7
41.25°	10	10	10	9	9	9	9	8	8	8	8
40°	11	10	10	10	10	9	9	9	9	8	8
38.75°	12	11	11	10	10	10	10	9	9	9	8
37.5°	13	12	12	11	11	10	10	10	9	9	9
36.25°	15	14	13	12	12	11	11	10	10	9	9
35°	17	16	15	14	13	12	11	11	10	10	9



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	22	19	17	15	14	13	12	11	11	10	10
32.5°	26	23	21	18	16	15	13	12	12	11	10
31.25°	34	29	25	22	19	16	15	14	12	12	11
30°	43	37	31	26	23	20	17	15	14	12	12
28.75°	55	45	39	33	27	23	20	17	15	14	12
27.5°	70	59	48	41	34	28	24	20	17	15	13
26.25°	86	74	62	50	42	35	28	23	20	16	15
25°	103	89	77	64	51	42	34	27	23	19	16
23.75°	120	106	91	78	64	50	41	33	26	22	18
22.5°	138	122	107	91	77	62	48	39	31	25	21
21.25°	166	140	122	106	89	74	59	45	37	29	23
20°	214	166	138	120	103	86	70	55	43	34	26
18.75°	306	210	159	134	116	98	81	65	48	39	30
17.5°	422	293	201	153	129	110	92	75	58	44	35
16.25°	556	394	267	185	144	122	103	84	67	50	39
15°	700	509	349	229	163	133	113	94	75	58	43
13.75°	852	634	446	296	196	147	123	103	83	65	47
12.5°	1008	767	551	372	238	164	132	112	91	72	54
11.25°	1157	895	655	452	293	191	144	119	99	79	60
10°	1299	1023	764	537	351	217	155	127	105	85	66
8.75°	1427	1139	863	618	414	260	171	133	112	90	70
7.5°	1538	1247	958	694	468	297	190	142	117	95	75
6.25°	1634	1339	1041	765	525	332	205	149	121	99	79
5°	1709	1415	1110	824	573	369	222	154	125	103	82
3.75°	1769	1475	1167	870	611	398	242	159	128	106	84
2.5°	1812	1518	1208	906	638	419	256	166	130	108	86
1.25°	1838	1544	1233	928	655	431	265	170	132	109	87
0°	1847	1552	1241	936	660	435	268	172	132	110	87
-1.25°	1838	1544	1233	928	655	431	265	170	132	109	87
-2.5°	1812	1518	1208	906	638	419	256	166	130	108	86
-3.75°	1769	1475	1167	870	611	398	242	159	128	106	84
-5°	1709	1415	1110	824	573	369	222	154	125	103	82
-6.25°	1634	1339	1041	765	525	332	205	149	121	99	79
-7.5°	1538	1247	958	694	468	297	190	142	117	95	75
-8.75°	1427	1139	863	618	414	260	171	133	112	90	70
-10°	1299	1023	764	537	351	217	155	127	105	85	66
-11.25°	1157	895	655	452	293	191	144	119	99	79	60
-12.5°	1008	767	551	372	238	164	132	112	91	72	54
-13.75°	852	634	446	296	196	147	123	103	83	65	47
-15°	700	509	349	229	163	133	113	94	75	58	43
-16.25°	556	394	267	185	144	122	103	84	67	50	39
-17.5°	422	293	201	153	129	110	92	75	58	44	35
-18.75°	306	210	159	134	116	98	81	65	48	39	30
-20°	214	166	138	120	103	86	70	55	43	34	26
-21.25°	166	140	122	106	89	74	59	45	37	29	23



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	138	122	107	91	77	62	48	39	31	25	21
-23.75°	120	106	91	78	64	50	41	33	26	22	18
-25°	103	89	77	64	51	42	34	27	23	19	16
-26.25°	86	74	62	50	42	35	28	23	20	16	15
-27.5°	70	59	48	41	34	28	24	20	17	15	13
-28.75°	55	45	39	33	27	23	20	17	15	14	12
-30°	43	37	31	26	23	20	17	15	14	12	12
-31.25°	34	29	25	22	19	16	15	14	12	12	11
-32.5°	26	23	21	18	16	15	13	12	12	11	10
-33.75°	22	19	17	15	14	13	12	11	11	10	10
-35°	17	16	15	14	13	12	11	11	10	10	9
-36.25°	15	14	13	12	12	11	11	10	10	9	9
-37.5°	13	12	12	11	11	10	10	10	9	9	9
-38.75°	12	11	11	10	10	10	10	9	9	9	8
-40°	11	10	10	10	10	9	9	9	9	8	8
-41.25°	10	10	10	9	9	9	9	8	8	8	8
-42.5°	10	9	9	9	9	9	8	8	8	8	7
-43.75°	9	9	9	9	8	8	8	8	7	7	7
-45°	9	8	8	8	8	8	8	7	7	7	7
-46.25°	8	8	8	8	8	7	7	7	7	6	6
-47.5°	8	8	7	7	7	7	7	7	6	6	6
-48.75°	7	7	7	7	7	7	6	6	6	6	6
-50°	7	7	7	6	6	6	6	6	6	5	5
-51.25°	6	6	6	6	6	6	5	5	5	5	5
-52.5°	6	6	6	6	5	5	5	5	5	5	4
-53.75°	6	5	5	5	5	5	5	4	4	4	4
-55°	5	5	5	5	5	4	4	4	4	4	4
-56.25°	5	4	4	4	4	4	4	4	4	3	3
-57.5°	4	4	4	4	4	4	3	3	3	3	3
-58.75°	4	4	3	3	3	3	3	3	3	3	2
-60°	3	3	3	3	3	3	3	2	2	2	2
-61.25°	3	3	3	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	1	1
-66.25°	2	2	2	2	2	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	0	0	0
-72.5°	1	1	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	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°	1	1	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	1	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	0	0	0
66.25°	1	1	1	1	1	1	1	1	1	1	0
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	1	1	1	1	1	1	1
61.25°	2	2	2	2	2	2	1	1	1	1	1
60°	2	2	2	2	2	2	2	2	1	1	1
58.75°	2	2	2	2	2	2	2	2	2	2	1
57.5°	3	2	2	2	2	2	2	2	2	2	2
56.25°	3	3	3	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	2	2	2	2	2	2
53.75°	4	4	3	3	3	3	3	2	2	2	2
52.5°	4	4	4	4	3	3	3	3	2	2	2
51.25°	5	4	4	4	4	3	3	3	3	3	2
50°	5	5	4	4	4	4	4	3	3	3	3
48.75°	5	5	5	5	4	4	4	4	3	3	3
47.5°	6	5	5	5	5	4	4	4	4	3	3
46.25°	6	6	6	5	5	5	5	4	4	4	3
45°	6	6	6	6	5	5	5	5	4	4	4
43.75°	7	7	6	6	6	5	5	5	5	4	4
42.5°	7	7	7	6	6	6	5	5	5	5	4
41.25°	7	7	7	7	6	6	6	5	5	5	5
40°	8	8	7	7	7	6	6	6	5	5	5
38.75°	8	8	8	7	7	7	6	6	6	5	5
37.5°	9	8	8	8	7	7	7	6	6	6	5
36.25°	9	9	8	8	8	7	7	7	6	6	6
35°	9	9	9	8	8	8	7	7	7	6	6



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	9	9	9	9	8	8	7	7	7	6	6
32.5°	10	9	9	9	8	8	8	7	7	7	6
31.25°	10	10	9	9	9	8	8	8	7	7	6
30°	11	10	10	9	9	9	8	8	7	7	7
28.75°	11	11	10	10	9	9	8	8	8	7	7
27.5°	12	11	11	10	10	9	9	8	8	8	7
26.25°	13	12	11	10	10	9	9	9	8	8	7
25°	14	13	12	11	10	10	9	9	8	8	8
23.75°	15	14	12	11	10	10	9	9	9	8	8
22.5°	17	15	13	12	11	10	10	9	9	8	8
21.25°	19	16	14	12	11	10	10	9	9	8	8
20°	22	17	15	13	12	11	10	10	9	9	8
18.75°	24	19	16	14	12	11	10	10	9	9	8
17.5°	26	21	17	15	13	12	11	10	9	9	9
16.25°	30	23	19	15	14	12	11	10	10	9	9
15°	34	25	21	16	14	12	11	10	10	9	9
13.75°	37	28	22	18	15	13	12	11	10	9	9
12.5°	41	31	24	19	15	13	12	11	10	9	9
11.25°	44	34	25	20	16	14	12	11	10	10	9
10°	47	37	27	22	17	14	12	11	10	10	9
8.75°	51	39	29	23	18	15	13	11	10	10	9
7.5°	55	41	31	23	19	15	13	12	11	10	9
6.25°	59	43	33	24	19	15	13	12	11	10	9
5°	62	44	34	25	20	16	14	12	11	10	9
3.75°	64	46	35	25	20	16	14	12	11	10	9
2.5°	66	46	36	26	21	16	14	12	11	10	9
1.25°	67	47	36	26	21	16	14	12	11	10	9
0°	67	47	37	26	21	16	14	12	11	10	10
-1.25°	67	47	36	26	21	16	14	12	11	10	9
-2.5°	66	46	36	26	21	16	14	12	11	10	9
-3.75°	64	46	35	25	20	16	14	12	11	10	9
-5°	62	44	34	25	20	16	14	12	11	10	9
-6.25°	59	43	33	24	19	15	13	12	11	10	9
-7.5°	55	41	31	23	19	15	13	12	11	10	9
-8.75°	51	39	29	23	18	15	13	11	10	10	9
-10°	47	37	27	22	17	14	12	11	10	10	9
-11.25°	44	34	25	20	16	14	12	11	10	10	9
-12.5°	41	31	24	19	15	13	12	11	10	9	9
-13.75°	37	28	22	18	15	13	12	11	10	9	9
-15°	34	25	21	16	14	12	11	10	10	9	9
-16.25°	30	23	19	15	14	12	11	10	10	9	9
-17.5°	26	21	17	15	13	12	11	10	9	9	9
-18.75°	24	19	16	14	12	11	10	10	9	9	8
-20°	22	17	15	13	12	11	10	10	9	9	8
-21.25°	19	16	14	12	11	10	10	9	9	8	8



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	17	15	13	12	11	10	10	9	9	8	8
-23.75°	15	14	12	11	10	10	9	9	9	8	8
-25°	14	13	12	11	10	10	9	9	8	8	8
-26.25°	13	12	11	10	10	9	9	9	8	8	7
-27.5°	12	11	11	10	10	9	9	8	8	8	7
-28.75°	11	11	10	10	9	9	8	8	8	7	7
-30°	11	10	10	9	9	9	8	8	7	7	7
-31.25°	10	10	9	9	9	8	8	8	7	7	6
-32.5°	10	9	9	9	8	8	8	7	7	7	6
-33.75°	9	9	9	9	8	8	7	7	7	6	6
-35°	9	9	9	8	8	8	7	7	7	6	6
-36.25°	9	9	8	8	8	7	7	7	6	6	6
-37.5°	9	8	8	8	7	7	7	6	6	6	5
-38.75°	8	8	8	7	7	7	6	6	6	5	5
-40°	8	8	7	7	7	6	6	6	5	5	5
-41.25°	7	7	7	7	6	6	6	5	5	5	5
-42.5°	7	7	7	6	6	6	5	5	5	5	4
-43.75°	7	7	6	6	6	5	5	5	5	4	4
-45°	6	6	6	6	5	5	5	5	4	4	4
-46.25°	6	6	6	5	5	5	5	4	4	4	3
-47.5°	6	5	5	5	5	4	4	4	4	3	3
-48.75°	5	5	5	5	4	4	4	4	3	3	3
-50°	5	5	4	4	4	4	4	3	3	3	3
-51.25°	5	4	4	4	4	3	3	3	3	3	2
-52.5°	4	4	4	4	3	3	3	3	2	2	2
-53.75°	4	4	3	3	3	3	3	2	2	2	2
-55°	3	3	3	3	3	2	2	2	2	2	2
-56.25°	3	3	3	2	2	2	2	2	2	2	2
-57.5°	3	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	1
-60°	2	2	2	2	2	2	2	2	1	1	1
-61.25°	2	2	2	2	2	2	1	1	1	1	1
-62.5°	2	2	2	2	1	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	0
-67.5°	1	1	1	1	1	1	1	1	0	0	0
-68.75°	1	1	1	1	1	0	0	0	0	0	0
-70°	1	1	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	6	5	5	5	4	4	3	3	3	2	2
32.5°	6	6	5	5	4	4	4	3	3	2	2
31.25°	6	6	5	5	5	4	4	3	3	3	2
30°	6	6	6	5	5	4	4	4	3	3	2
28.75°	7	6	6	5	5	4	4	4	3	3	2
27.5°	7	6	6	5	5	5	4	4	3	3	3
26.25°	7	7	6	6	5	5	4	4	4	3	3
25°	7	7	6	6	5	5	5	4	4	3	3
23.75°	7	7	6	6	6	5	5	4	4	3	3
22.5°	7	7	7	6	6	5	5	4	4	3	3
21.25°	8	7	7	6	6	5	5	4	4	4	3
20°	8	7	7	6	6	6	5	5	4	4	3
18.75°	8	7	7	7	6	6	5	5	4	4	3
17.5°	8	8	7	7	6	6	5	5	4	4	3
16.25°	8	8	7	7	6	6	5	5	4	4	3
15°	8	8	7	7	6	6	5	5	5	4	4
13.75°	8	8	7	7	7	6	6	5	5	4	4
12.5°	9	8	8	7	7	6	6	5	5	4	4
11.25°	9	8	8	7	7	6	6	5	5	4	4
10°	9	8	8	7	7	6	6	5	5	4	4
8.75°	9	8	8	7	7	6	6	5	5	4	4
7.5°	9	8	8	7	7	6	6	5	5	4	4
6.25°	9	8	8	7	7	6	6	5	5	4	4
5°	9	8	8	7	7	6	6	5	5	4	4
3.75°	9	8	8	7	7	6	6	5	5	4	4
2.5°	9	8	8	7	7	6	6	5	5	4	4
1.25°	9	8	8	7	7	6	6	5	5	4	4
0°	9	9	8	8	7	7	6	6	5	5	4
-1.25°	9	8	8	7	7	6	6	5	5	4	4
-2.5°	9	8	8	7	7	6	6	5	5	4	4
-3.75°	9	8	8	7	7	6	6	5	5	4	4
-5°	9	8	8	7	7	6	6	5	5	4	4
-6.25°	9	8	8	7	7	6	6	5	5	4	4
-7.5°	9	8	8	7	7	6	6	5	5	4	4
-8.75°	9	8	8	7	7	6	6	5	5	4	4
-10°	9	8	8	7	7	6	6	5	5	4	4
-11.25°	9	8	8	7	7	6	6	5	5	4	4
-12.5°	9	8	8	7	7	6	6	5	5	4	4
-13.75°	8	8	7	7	7	6	6	5	5	4	4
-15°	8	8	7	7	6	6	5	5	5	4	4
-16.25°	8	8	7	7	6	6	5	5	4	4	3
-17.5°	8	8	7	7	6	6	5	5	4	4	3
-18.75°	8	7	7	7	6	6	5	5	4	4	3
-20°	8	7	7	6	6	6	5	5	4	4	3
-21.25°	8	7	7	6	6	5	5	4	4	4	3



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	7	7	7	6	6	5	5	4	4	3	3
-23.75°	7	7	6	6	6	5	5	4	4	3	3
-25°	7	7	6	6	5	5	5	4	4	3	3
-26.25°	7	7	6	6	5	5	4	4	4	3	3
-27.5°	7	6	6	5	5	5	4	4	3	3	3
-28.75°	7	6	6	5	5	4	4	4	3	3	2
-30°	6	6	6	5	5	4	4	4	3	3	2
-31.25°	6	6	5	5	5	4	4	3	3	3	2
-32.5°	6	6	5	5	4	4	4	3	3	2	2
-33.75°	6	5	5	5	4	4	3	3	3	2	2
-35°	5	5	5	4	4	4	3	3	2	2	2
-36.25°	5	5	4	4	4	3	3	3	2	2	2
-37.5°	5	5	4	4	4	3	3	2	2	2	2
-38.75°	5	4	4	4	3	3	3	2	2	2	2
-40°	4	4	4	3	3	3	2	2	2	2	2
-41.25°	4	4	4	3	3	3	2	2	2	2	2
-42.5°	4	4	3	3	3	2	2	2	2	2	2
-43.75°	4	3	3	3	2	2	2	2	2	2	1
-45°	3	3	3	3	2	2	2	2	2	2	1
-46.25°	3	3	3	2	2	2	2	2	2	1	1
-47.5°	3	3	2	2	2	2	2	2	2	1	1
-48.75°	3	2	2	2	2	2	2	2	1	1	1
-50°	2	2	2	2	2	2	2	1	1	1	1
-51.25°	2	2	2	2	2	2	1	1	1	1	1
-52.5°	2	2	2	2	2	1	1	1	1	1	1
-53.75°	2	2	2	2	1	1	1	1	1	1	1
-55°	2	2	2	1	1	1	1	1	1	1	1
-56.25°	2	2	1	1	1	1	1	1	1	1	0
-57.5°	2	1	1	1	1	1	1	1	1	0	0
-58.75°	1	1	1	1	1	1	1	1	0	0	0
-60°	1	1	1	1	1	1	1	0	0	0	0
-61.25°	1	1	1	1	1	1	0	0	0	0	0
-62.5°	1	1	1	1	1	0	0	0	0	0	0
-63.75°	1	1	1	0	0	0	0	0	0	0	0
-65°	1	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	2	2	2	1	1	1	1	1	0	0	0
32.5°	2	2	2	1	1	1	1	1	0	0	0
31.25°	2	2	2	1	1	1	1	1	0	0	0
30°	2	2	2	2	1	1	1	1	0	0	0
28.75°	2	2	2	2	1	1	1	1	1	0	0
27.5°	2	2	2	2	1	1	1	1	1	0	0
26.25°	2	2	2	2	1	1	1	1	1	0	0
25°	2	2	2	2	2	1	1	1	1	0	0
23.75°	2	2	2	2	2	1	1	1	1	0	0
22.5°	3	2	2	2	2	1	1	1	1	0	0
21.25°	3	2	2	2	2	1	1	1	1	1	0
20°	3	2	2	2	2	1	1	1	1	1	0
18.75°	3	2	2	2	2	1	1	1	1	1	0
17.5°	3	2	2	2	2	2	1	1	1	1	0
16.25°	3	3	2	2	2	2	1	1	1	1	0
15°	3	3	2	2	2	2	1	1	1	1	0
13.75°	3	3	2	2	2	2	1	1	1	1	0
12.5°	3	3	2	2	2	2	1	1	1	1	0
11.25°	3	3	2	2	2	2	1	1	1	1	0
10°	3	3	2	2	2	2	1	1	1	1	0
8.75°	3	3	2	2	2	2	1	1	1	1	0
7.5°	3	3	2	2	2	2	1	1	1	1	0
6.25°	3	3	2	2	2	2	1	1	1	1	0
5°	3	3	2	2	2	2	1	1	1	1	0
3.75°	3	3	2	2	2	2	1	1	1	1	0
2.5°	3	3	2	2	2	2	1	1	1	1	0
1.25°	3	3	2	2	2	2	1	1	1	1	0
0°	4	3	3	2	2	2	2	1	1	1	1
-1.25°	3	3	2	2	2	2	1	1	1	1	0
-2.5°	3	3	2	2	2	2	1	1	1	1	0
-3.75°	3	3	2	2	2	2	1	1	1	1	0
-5°	3	3	2	2	2	2	1	1	1	1	0
-6.25°	3	3	2	2	2	2	1	1	1	1	0
-7.5°	3	3	2	2	2	2	1	1	1	1	0
-8.75°	3	3	2	2	2	2	1	1	1	1	0
-10°	3	3	2	2	2	2	1	1	1	1	0
-11.25°	3	3	2	2	2	2	1	1	1	1	0
-12.5°	3	3	2	2	2	2	1	1	1	1	0
-13.75°	3	3	2	2	2	2	1	1	1	1	0
-15°	3	3	2	2	2	2	1	1	1	1	0
-16.25°	3	3	2	2	2	2	1	1	1	1	0
-17.5°	3	2	2	2	2	2	1	1	1	1	0
-18.75°	3	2	2	2	2	1	1	1	1	1	0
-20°	3	2	2	2	2	1	1	1	1	1	0
-21.25°	3	2	2	2	2	1	1	1	1	1	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	3	2	2	2	2	1	1	1	1	0	0
-23.75°	2	2	2	2	2	1	1	1	1	0	0
-25°	2	2	2	2	2	1	1	1	1	0	0
-26.25°	2	2	2	2	1	1	1	1	1	0	0
-27.5°	2	2	2	2	1	1	1	1	1	0	0
-28.75°	2	2	2	2	1	1	1	1	1	0	0
-30°	2	2	2	2	1	1	1	1	0	0	0
-31.25°	2	2	2	1	1	1	1	1	0	0	0
-32.5°	2	2	2	1	1	1	1	1	0	0	0
-33.75°	2	2	2	1	1	1	1	1	0	0	0
-35°	2	2	1	1	1	1	1	1	0	0	0
-36.25°	2	2	1	1	1	1	1	0	0	0	0
-37.5°	2	2	1	1	1	1	1	0	0	0	0
-38.75°	2	1	1	1	1	1	1	0	0	0	0
-40°	2	1	1	1	1	1	0	0	0	0	0
-41.25°	1	1	1	1	1	1	0	0	0	0	0
-42.5°	1	1	1	1	1	1	0	0	0	0	0
-43.75°	1	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	1	1	0	0	0	0	0	0
-46.25°	1	1	1	1	0	0	0	0	0	0	0
-47.5°	1	1	1	1	0	0	0	0	0	0	0
-48.75°	1	1	1	0	0	0	0	0	0	0	0
-50°	1	1	1	0	0	0	0	0	0	0	0
-51.25°	1	1	0	0	0	0	0	0	0	0	0
-52.5°	1	1	0	0	0	0	0	0	0	0	0
-53.75°	1	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
66.25°	0	0	0	0	0	0	0	0	0	0	0
65°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	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: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0	0
32.5°	0	0
31.25°	0	0
30°	0	0
28.75°	0	0
27.5°	0	0
26.25°	0	0
25°	0	0
23.75°	0	0
22.5°	0	0
21.25°	0	0
20°	0	0
18.75°	0	0
17.5°	0	0
16.25°	0	0
15°	0	0
13.75°	0	0
12.5°	0	0
11.25°	0	0
10°	0	0
8.75°	0	0
7.5°	0	0
6.25°	0	0
5°	0	0
3.75°	0	0
2.5°	0	0
1.25°	0	0
0°	0	0
-1.25°	0	0
-2.5°	0	0
-3.75°	0	0
-5°	0	0
-6.25°	0	0
-7.5°	0	0
-8.75°	0	0
-10°	0	0
-11.25°	0	0
-12.5°	0	0
-13.75°	0	0
-15°	0	0
-16.25°	0	0
-17.5°	0	0
-18.75°	0	0
-20°	0	0
-21.25°	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0	0
-23.75°	0	0
-25°	0	0
-26.25°	0	0
-27.5°	0	0
-28.75°	0	0
-30°	0	0
-31.25°	0	0
-32.5°	0	0
-33.75°	0	0
-35°	0	0
-36.25°	0	0
-37.5°	0	0
-38.75°	0	0
-40°	0	0
-41.25°	0	0
-42.5°	0	0
-43.75°	0	0
-45°	0	0
-46.25°	0	0
-47.5°	0	0
-48.75°	0	0
-50°	0	0
-51.25°	0	0
-52.5°	0	0
-53.75°	0	0
-55°	0	0
-56.25°	0	0
-57.5°	0	0
-58.75°	0	0
-60°	0	0
-61.25°	0	0
-62.5°	0	0
-63.75°	0	0
-65°	0	0
-66.25°	0	0
-67.5°	0	0
-68.75°	0	0
-70°	0	0
-71.25°	0	0
-72.5°	0	0
-73.75°	0	0
-75°	0	0
-76.25°	0	0
-77.5°	0	0



REPORT NUMBER: P29474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-78.75°	0	0
-80°	0	0
-81.25°	0	0
-82.5°	0	0
-83.75°	0	0
-85°	0	0
-86.25°	0	0
-87.5°	0	0
-88.75°	0	0
-90°	0	0

(END OF REPORT)