

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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29472 (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-S-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

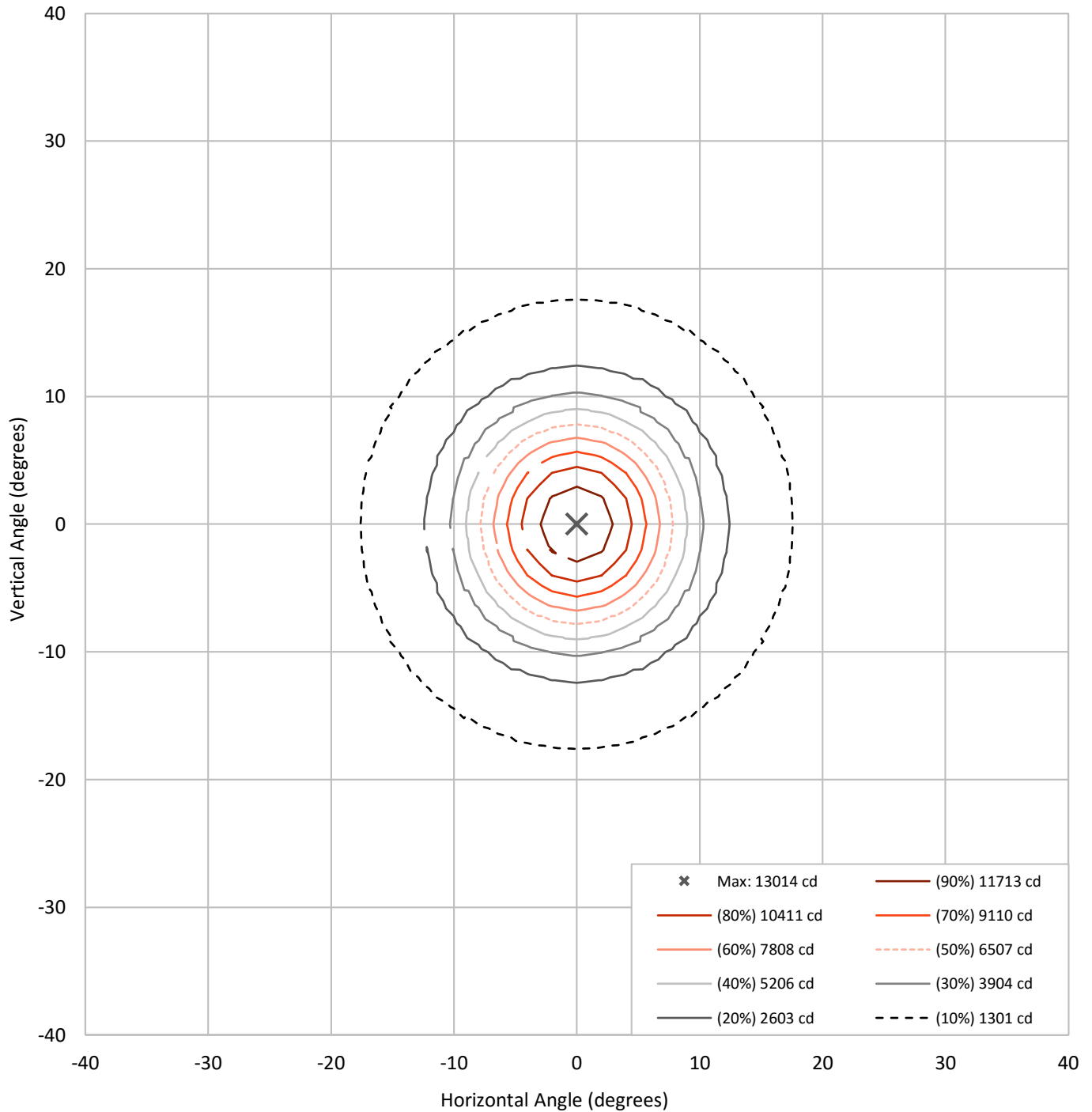
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1516 lumens	Max Intensity:	13014 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	75.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.7°H x 15.7°V	Field Angle (10%):	35°H x 35°V
Beam Lumens:	540.5 lumens	Field Lumens:	1161.3 lumens
Beam Efficiency:	35.6%	Field Efficiency:	76.6%

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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L2-UNV

Iso-Candela Plot





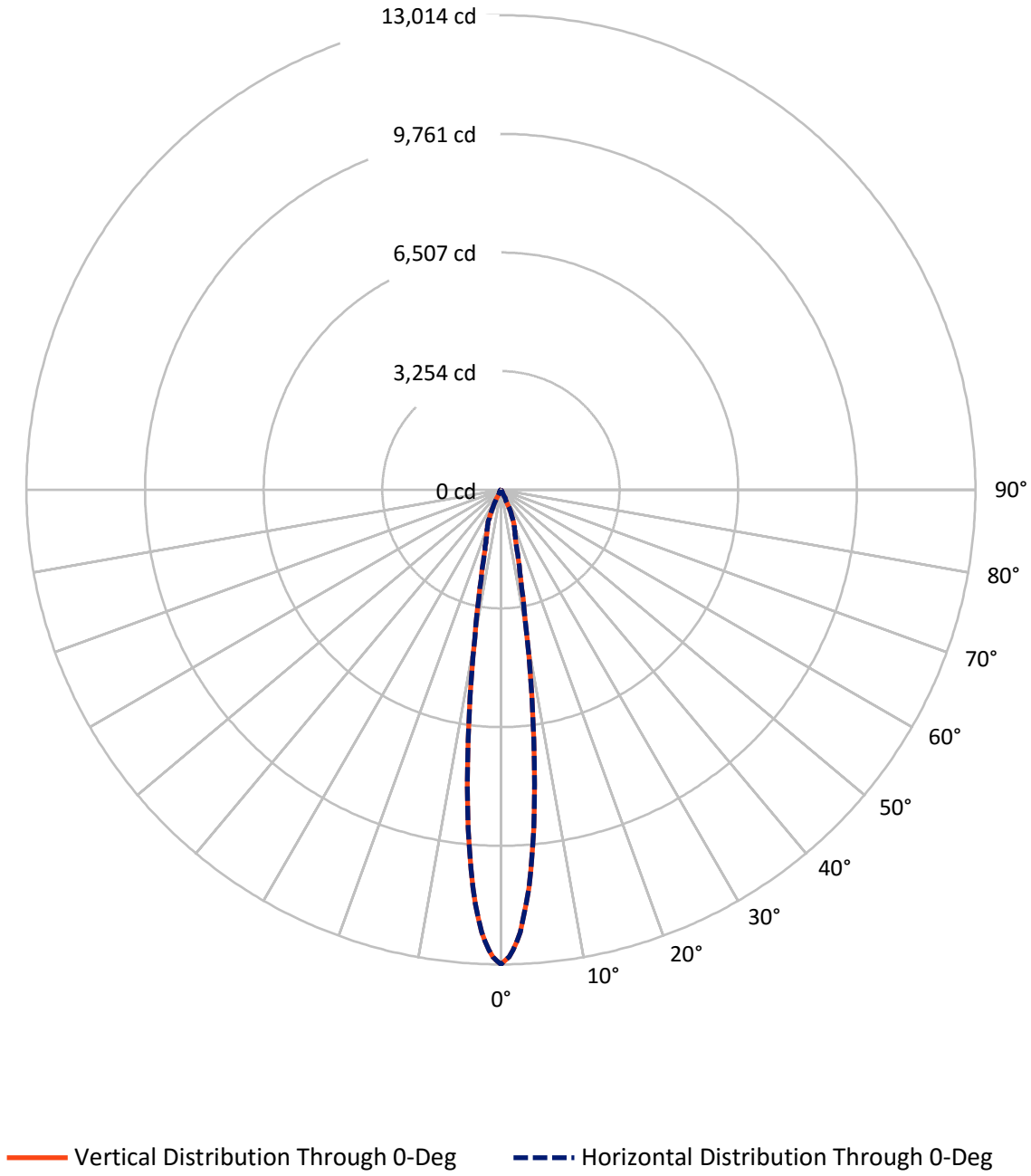
REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L2-UNV

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	
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	
70	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.1	0.1	0.2	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	0.3	0.5	0.8	0.8	0.5	0.3	0.2	0.1	0.1		0.0
30	0.0	0.0	0.1	0.2	0.3	0.8	4.7	13.3	13.3	4.7	0.8	0.3	0.2	0.1	0.0	0.0
20		0.0	0.1	0.2	0.5	4.4	27.4	51.9	51.9	27.4	4.4	0.5	0.2	0.1	0.0	
10	0.0	0.0	0.1	0.2	0.7	12.3	50.5	207.1	207.1	50.5	12.3	0.7	0.2	0.1	0.0	0.0
0		0.0	0.1	0.2	0.7	12.3	50.5	207.1	207.1	50.5	12.3	0.7	0.2	0.1	0.0	
-10	0.0	0.0	0.1	0.2	0.5	4.4	27.4	51.9	51.9	27.4	4.4	0.5	0.2	0.1	0.0	0.0
-20		0.0	0.1	0.2	0.3	0.8	4.7	13.3	13.3	4.7	0.8	0.3	0.2	0.1	0.0	
-30	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.8	0.8	0.5	0.3	0.2	0.1	0.1	0.0	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	0.0	
-50	0.0	0.0	0.0	0.1	0.1	0.2	0.2	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	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
-70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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	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	

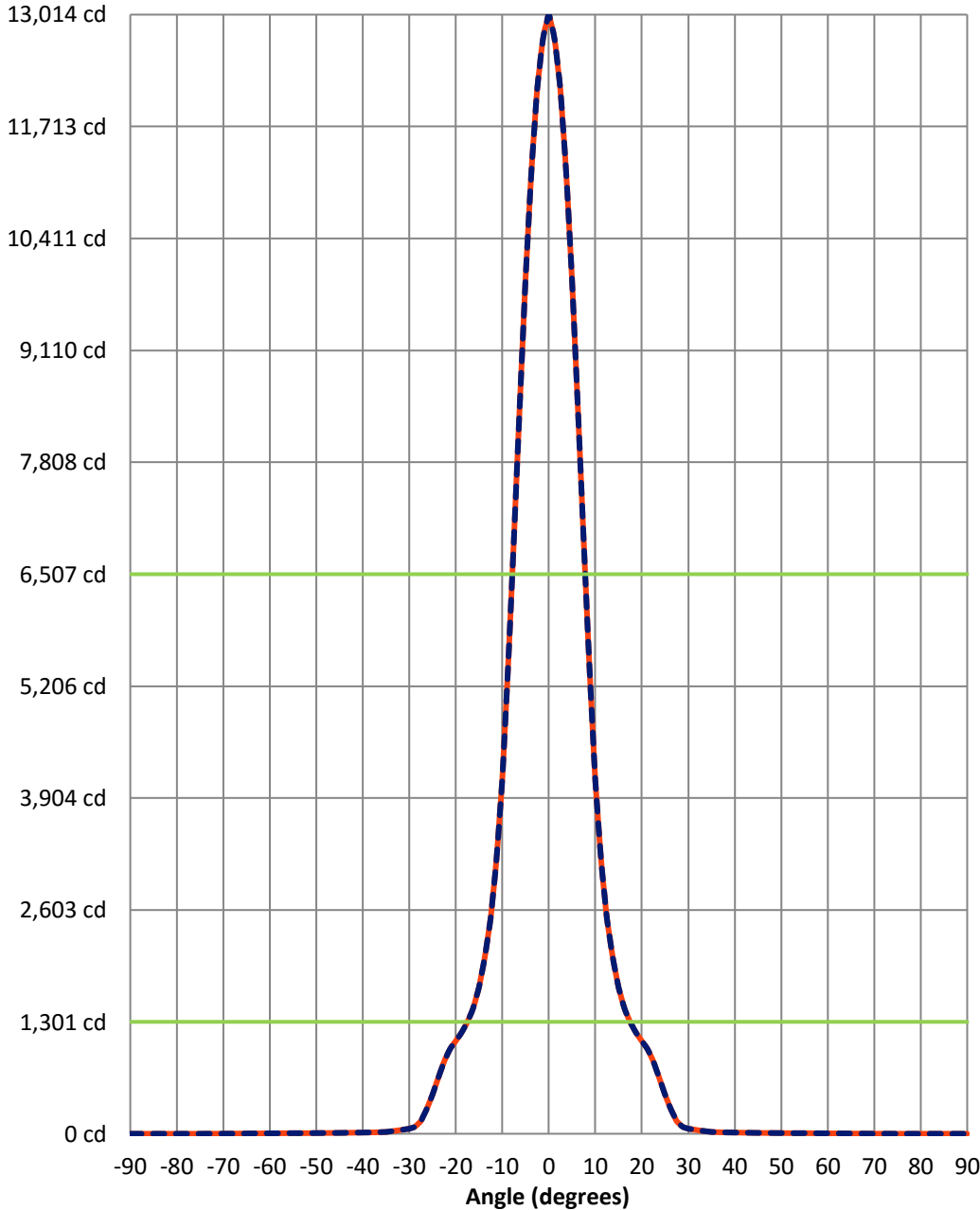
REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 15.7°
 V Angle: 15.7°
 Lumens: 540.5
 Efficiency: 35.6%

Field:
 H Angle: 35°
 V Angle: 35°
 Lumens: 1161.3
 Efficiency: 76.6%

Spill:
 Lumens: 354.7
 Efficiency: 23.4%

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



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	3
22.5°	0	0	0	0	1	1	1	1	2	2	3
21.25°	0	0	0	1	1	1	1	1	2	2	3
20°	0	0	0	1	1	1	1	1	2	2	3
18.75°	0	0	0	1	1	1	1	1	2	2	3
17.5°	0	0	0	1	1	1	1	2	2	3	3
16.25°	0	0	0	1	1	1	1	2	2	3	3
15°	0	0	0	1	1	1	1	2	2	3	3
13.75°	0	0	0	1	1	1	1	2	2	3	3
12.5°	0	0	0	1	1	1	1	2	2	3	3
11.25°	0	0	0	1	1	1	1	2	2	3	3
10°	0	0	0	1	1	1	1	2	2	3	3
8.75°	0	0	0	1	1	1	1	2	2	3	3
7.5°	0	0	0	1	1	1	1	2	2	3	3
6.25°	0	0	0	1	1	1	1	2	2	3	3
5°	0	0	0	1	1	1	1	2	2	3	3
3.75°	0	0	0	1	1	1	1	2	2	3	3
2.5°	0	0	0	1	1	1	1	2	2	3	3
1.25°	0	0	0	1	1	1	1	2	2	3	3
0°	0	0	1	1	1	1	2	2	3	3	4
-1.25°	0	0	0	1	1	1	1	2	2	3	3
-2.5°	0	0	0	1	1	1	1	2	2	3	3
-3.75°	0	0	0	1	1	1	1	2	2	3	3
-5°	0	0	0	1	1	1	1	2	2	3	3
-6.25°	0	0	0	1	1	1	1	2	2	3	3
-7.5°	0	0	0	1	1	1	1	2	2	3	3
-8.75°	0	0	0	1	1	1	1	2	2	3	3
-10°	0	0	0	1	1	1	1	2	2	3	3
-11.25°	0	0	0	1	1	1	1	2	2	3	3
-12.5°	0	0	0	1	1	1	1	2	2	3	3
-13.75°	0	0	0	1	1	1	1	2	2	3	3
-15°	0	0	0	1	1	1	1	2	2	3	3
-16.25°	0	0	0	1	1	1	1	2	2	3	3
-17.5°	0	0	0	1	1	1	1	2	2	3	3
-18.75°	0	0	0	1	1	1	1	1	2	2	3
-20°	0	0	0	1	1	1	1	1	2	2	3
-21.25°	0	0	0	1	1	1	1	1	2	2	3



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	3
-23.75°	0	0	0	0	1	1	1	1	2	2	3
-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	3
48.75°	1	1	1	1	1	2	2	2	2	3	3
47.5°	1	1	1	1	2	2	2	2	3	3	3
46.25°	1	1	1	1	2	2	2	3	3	3	4
45°	1	1	1	2	2	2	3	3	3	4	4
43.75°	1	1	1	2	2	2	3	3	3	4	4
42.5°	1	1	2	2	2	3	3	3	4	4	4
41.25°	1	1	2	2	3	3	3	4	4	4	5
40°	1	2	2	2	3	3	3	4	4	4	5
38.75°	1	2	2	3	3	3	4	4	4	5	5
37.5°	2	2	2	3	3	3	4	4	5	5	5
36.25°	2	2	3	3	3	4	4	4	5	5	5
35°	2	2	3	3	3	4	4	5	5	5	6



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	3	4	4	4	5	5	6	6	7	7	7
-23.75°	3	3	4	4	5	5	6	6	7	7	7
-25°	3	3	4	4	5	5	6	6	6	7	7
-26.25°	3	3	4	4	5	5	5	6	6	7	7
-27.5°	3	3	4	4	4	5	5	6	6	6	7
-28.75°	3	3	3	4	4	5	5	5	6	6	7
-30°	2	3	3	4	4	5	5	5	6	6	7
-31.25°	2	3	3	4	4	4	5	5	6	6	6
-32.5°	2	3	3	3	4	4	5	5	5	6	6
-33.75°	2	2	3	3	4	4	4	5	5	6	6
-35°	2	2	3	3	3	4	4	5	5	5	6
-36.25°	2	2	3	3	3	4	4	4	5	5	5
-37.5°	2	2	2	3	3	3	4	4	5	5	5
-38.75°	1	2	2	3	3	3	4	4	4	5	5
-40°	1	2	2	2	3	3	3	4	4	4	5
-41.25°	1	1	2	2	3	3	3	4	4	4	5
-42.5°	1	1	2	2	2	3	3	3	4	4	4
-43.75°	1	1	1	2	2	2	3	3	3	4	4
-45°	1	1	1	2	2	2	3	3	3	4	4
-46.25°	1	1	1	1	2	2	2	3	3	3	4
-47.5°	1	1	1	1	2	2	2	2	3	3	3
-48.75°	1	1	1	1	1	2	2	2	2	3	3
-50°	1	1	1	1	1	1	2	2	2	2	3
-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	3
58.75°	1	1	1	2	2	2	2	2	3	3	3
57.5°	1	2	2	2	2	2	3	3	3	3	3
56.25°	2	2	2	2	2	3	3	3	3	3	4
55°	2	2	2	3	3	3	3	3	4	4	4
53.75°	2	2	3	3	3	3	4	4	4	4	4
52.5°	2	3	3	3	3	4	4	4	4	5	5
51.25°	3	3	3	4	4	4	4	4	5	5	5
50°	3	3	4	4	4	4	5	5	5	5	5
48.75°	3	4	4	4	4	5	5	5	5	6	6
47.5°	4	4	4	4	5	5	5	5	6	6	6
46.25°	4	4	4	5	5	5	6	6	6	6	7
45°	4	4	5	5	5	6	6	6	6	7	7
43.75°	4	5	5	5	6	6	6	6	7	7	7
42.5°	5	5	5	6	6	6	6	7	7	7	7
41.25°	5	5	6	6	6	6	7	7	7	7	7
40°	5	5	6	6	6	7	7	7	7	7	7
38.75°	5	6	6	6	7	7	7	7	7	7	8
37.5°	6	6	6	7	7	7	7	7	7	8	8
36.25°	6	6	7	7	7	7	7	7	8	8	8
35°	6	6	7	7	7	7	7	8	8	8	9



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	6	7	7	7	7	7	7	8	8	9	9
32.5°	7	7	7	7	7	7	8	8	8	9	9
31.25°	7	7	7	7	7	8	8	8	9	9	9
30°	7	7	7	7	7	8	8	9	9	9	10
28.75°	7	7	7	7	8	8	8	9	9	10	10
27.5°	7	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	13
20°	7	8	8	9	9	10	10	11	12	13	13
18.75°	7	8	8	9	9	10	10	11	12	13	14
17.5°	8	8	9	9	9	10	11	12	12	13	14
16.25°	8	8	9	9	10	10	11	12	13	14	15
15°	8	8	9	9	10	10	11	12	13	14	15
13.75°	8	8	9	9	10	11	12	12	13	14	15
12.5°	8	9	9	9	10	11	12	13	14	15	16
11.25°	8	9	9	10	10	11	12	13	14	15	16
10°	8	9	9	10	10	11	12	13	14	15	16
8.75°	8	9	9	10	10	11	12	13	14	15	17
7.5°	8	9	9	10	11	12	13	14	15	15	17
6.25°	8	9	9	10	11	12	13	14	15	16	18
5°	8	9	9	10	11	12	13	14	15	16	18
3.75°	8	9	9	10	11	12	13	14	15	16	18
2.5°	8	9	9	10	11	12	13	14	15	16	18
1.25°	8	9	9	10	11	12	13	14	15	16	18
0°	9	9	10	10	11	12	13	14	15	16	19
-1.25°	8	9	9	10	11	12	13	14	15	16	18
-2.5°	8	9	9	10	11	12	13	14	15	16	18
-3.75°	8	9	9	10	11	12	13	14	15	16	18
-5°	8	9	9	10	11	12	13	14	15	16	18
-6.25°	8	9	9	10	11	12	13	14	15	16	18
-7.5°	8	9	9	10	11	12	13	14	15	15	17
-8.75°	8	9	9	10	10	11	12	13	14	15	17
-10°	8	9	9	10	10	11	12	13	14	15	16
-11.25°	8	9	9	10	10	11	12	13	14	15	16
-12.5°	8	9	9	9	10	11	12	13	14	15	16
-13.75°	8	8	9	9	10	11	12	12	13	14	15
-15°	8	8	9	9	10	10	11	12	13	14	15
-16.25°	8	8	9	9	10	10	11	12	13	14	15
-17.5°	8	8	9	9	9	10	11	12	12	13	14
-18.75°	7	8	8	9	9	10	10	11	12	13	14
-20°	7	8	8	9	9	10	10	11	12	13	13
-21.25°	7	8	8	8	9	9	10	10	11	12	13



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	7	7	7	8	8	8	9	9	10	10	11
-28.75°	7	7	7	7	8	8	8	9	9	10	10
-30°	7	7	7	7	7	8	8	9	9	9	10
-31.25°	7	7	7	7	7	8	8	8	9	9	9
-32.5°	7	7	7	7	7	7	8	8	8	9	9
-33.75°	6	7	7	7	7	7	7	8	8	9	9
-35°	6	6	7	7	7	7	7	8	8	8	9
-36.25°	6	6	7	7	7	7	7	7	8	8	8
-37.5°	6	6	6	7	7	7	7	7	7	8	8
-38.75°	5	6	6	6	7	7	7	7	7	7	8
-40°	5	5	6	6	6	7	7	7	7	7	7
-41.25°	5	5	6	6	6	6	7	7	7	7	7
-42.5°	5	5	5	6	6	6	6	7	7	7	7
-43.75°	4	5	5	5	6	6	6	6	7	7	7
-45°	4	4	5	5	5	6	6	6	6	7	7
-46.25°	4	4	4	5	5	5	6	6	6	6	7
-47.5°	4	4	4	4	5	5	5	5	6	6	6
-48.75°	3	4	4	4	4	5	5	5	5	6	6
-50°	3	3	4	4	4	4	5	5	5	5	5
-51.25°	3	3	3	4	4	4	4	4	5	5	5
-52.5°	2	3	3	3	3	4	4	4	4	5	5
-53.75°	2	2	3	3	3	3	4	4	4	4	4
-55°	2	2	2	3	3	3	3	3	4	4	4
-56.25°	2	2	2	2	2	3	3	3	3	3	4
-57.5°	1	2	2	2	2	2	3	3	3	3	3
-58.75°	1	1	1	2	2	2	2	2	3	3	3
-60°	1	1	1	1	1	2	2	2	2	2	3
-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	3	3
62.5°	2	2	2	2	2	3	3	3	3	3	3
61.25°	2	2	3	3	3	3	3	3	3	3	4
60°	3	3	3	3	3	3	4	4	4	4	4
58.75°	3	3	3	4	4	4	4	4	4	4	4
57.5°	3	4	4	4	4	4	4	5	5	5	5
56.25°	4	4	4	4	5	5	5	5	5	5	5
55°	4	4	5	5	5	5	5	5	6	6	6
53.75°	5	5	5	5	5	5	6	6	6	6	6
52.5°	5	5	5	6	6	6	6	6	6	7	7
51.25°	5	6	6	6	6	6	6	7	7	7	7
50°	6	6	6	6	7	7	7	7	7	7	7
48.75°	6	6	7	7	7	7	7	7	7	7	7
47.5°	6	7	7	7	7	7	7	7	7	7	7
46.25°	7	7	7	7	7	7	7	7	8	8	8
45°	7	7	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	12	13	13



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	13	14	14
32.5°	9	10	10	11	12	12	13	13	14	14	15
31.25°	10	10	11	12	12	13	13	14	15	15	16
30°	10	11	12	12	13	14	14	15	15	16	17
28.75°	11	11	12	13	14	14	15	15	16	18	19
27.5°	11	12	13	13	14	15	16	16	18	20	21
26.25°	12	13	13	14	15	15	16	18	20	22	27
25°	12	13	14	15	15	16	18	20	23	28	34
23.75°	13	14	14	15	16	18	20	22	28	34	40
22.5°	13	14	15	16	17	19	21	27	34	40	47
21.25°	14	15	15	17	19	21	26	33	39	47	54
20°	14	15	16	18	20	24	31	38	45	53	62
18.75°	15	16	17	19	22	29	36	43	52	60	72
17.5°	15	16	18	20	26	33	40	49	57	69	98
16.25°	15	17	19	22	29	37	45	54	65	88	148
15°	16	18	20	26	33	41	50	59	74	118	212
13.75°	16	19	21	29	36	45	55	66	95	170	294
12.5°	17	20	24	32	40	49	59	75	125	232	375
11.25°	18	20	27	34	43	53	64	92	168	299	453
10°	19	21	29	37	47	56	69	109	215	365	532
8.75°	19	23	31	39	49	60	80	142	267	425	604
7.5°	20	25	33	42	52	63	91	171	313	481	667
6.25°	20	26	34	44	54	67	101	199	356	533	722
5°	20	27	36	45	56	69	113	230	392	575	768
3.75°	21	28	37	47	57	72	128	254	420	609	800
2.5°	21	29	37	48	58	76	139	271	440	633	822
1.25°	21	29	38	48	59	79	146	282	452	648	836
0°	21	30	38	49	59	80	148	285	456	653	841
-1.25°	21	29	38	48	59	79	146	282	452	648	836
-2.5°	21	29	37	48	58	76	139	271	440	633	822
-3.75°	21	28	37	47	57	72	128	254	420	609	800
-5°	20	27	36	45	56	69	113	230	392	575	768
-6.25°	20	26	34	44	54	67	101	199	356	533	722
-7.5°	20	25	33	42	52	63	91	171	313	481	667
-8.75°	19	23	31	39	49	60	80	142	267	425	604
-10°	19	21	29	37	47	56	69	109	215	365	532
-11.25°	18	20	27	34	43	53	64	92	168	299	453
-12.5°	17	20	24	32	40	49	59	75	125	232	375
-13.75°	16	19	21	29	36	45	55	66	95	170	294
-15°	16	18	20	26	33	41	50	59	74	118	212
-16.25°	15	17	19	22	29	37	45	54	65	88	148
-17.5°	15	16	18	20	26	33	40	49	57	69	98
-18.75°	15	16	17	19	22	29	36	43	52	60	72
-20°	14	15	16	18	20	24	31	38	45	53	62
-21.25°	14	15	15	17	19	21	26	33	39	47	54



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	13	14	15	16	17	19	21	27	34	40	47
-23.75°	13	14	14	15	16	18	20	22	28	34	40
-25°	12	13	14	15	15	16	18	20	23	28	34
-26.25°	12	13	13	14	15	15	16	18	20	22	27
-27.5°	11	12	13	13	14	15	16	16	18	20	21
-28.75°	11	11	12	13	14	14	15	15	16	18	19
-30°	10	11	12	12	13	14	14	15	15	16	17
-31.25°	10	10	11	12	12	13	13	14	15	15	16
-32.5°	9	10	10	11	12	12	13	13	14	14	15
-33.75°	9	9	10	10	11	11	12	13	13	14	14
-35°	9	9	9	10	10	11	11	12	12	13	13
-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°	7	7	7	7	7	7	8	8	8	8	8
-46.25°	7	7	7	7	7	7	7	7	8	8	8
-47.5°	6	7	7	7	7	7	7	7	7	7	7
-48.75°	6	6	7	7	7	7	7	7	7	7	7
-50°	6	6	6	6	7	7	7	7	7	7	7
-51.25°	5	6	6	6	6	6	6	7	7	7	7
-52.5°	5	5	5	6	6	6	6	6	6	7	7
-53.75°	5	5	5	5	5	5	6	6	6	6	6
-55°	4	4	5	5	5	5	5	5	6	6	6
-56.25°	4	4	4	4	5	5	5	5	5	5	5
-57.5°	3	4	4	4	4	4	4	5	5	5	5
-58.75°	3	3	3	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	3	4	4	4	4	4
-61.25°	2	2	3	3	3	3	3	3	3	3	4
-62.5°	2	2	2	2	2	3	3	3	3	3	3
-63.75°	1	2	2	2	2	2	2	2	2	3	3
-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	3	3	3	3	3	3	3	3
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	4	4	4	4	4	4	4
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	5	5	5	5	5	5
58.75°	5	5	5	5	5	5	5	5	5	5	5
57.5°	5	5	5	5	5	6	6	6	6	6	6
56.25°	5	6	6	6	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	7	7	7	7	7
53.75°	6	7	7	7	7	7	7	7	7	7	7
52.5°	7	7	7	7	7	7	7	7	7	7	7
51.25°	7	7	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	12
40°	10	11	11	12	12	12	12	13	13	13	13
38.75°	11	12	12	12	13	13	13	14	14	14	14
37.5°	12	13	13	13	14	14	14	15	15	15	15
36.25°	13	13	14	14	15	15	15	16	16	16	17
35°	14	14	15	15	15	16	16	17	18	19	19



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	15	15	16	16	17	18	19	20	20	21	23
32.5°	15	16	17	18	19	20	21	24	27	29	31
31.25°	17	18	19	20	22	26	29	32	34	37	39
30°	19	20	22	26	29	33	36	40	43	47	49
28.75°	21	24	29	33	37	41	45	49	53	56	60
27.5°	26	31	36	40	45	50	55	59	64	69	80
26.25°	33	38	43	49	54	59	66	75	92	109	142
25°	39	45	52	57	65	74	95	125	168	215	267
23.75°	47	53	60	69	88	118	170	232	299	365	425
22.5°	54	62	72	98	148	212	294	375	453	532	604
21.25°	63	76	104	167	251	344	437	534	625	710	784
20°	76	107	177	274	378	485	596	700	794	873	935
18.75°	104	177	282	396	516	638	755	853	934	995	1037
17.5°	167	274	396	526	659	786	893	972	1032	1074	1115
16.25°	251	378	516	659	795	912	995	1052	1103	1151	1208
15°	344	485	638	786	912	1003	1063	1120	1183	1250	1319
13.75°	437	596	755	893	995	1063	1126	1199	1278	1361	1457
12.5°	534	700	853	972	1052	1120	1199	1288	1387	1501	1659
11.25°	625	794	934	1032	1103	1183	1278	1387	1522	1703	1912
10°	710	873	995	1074	1151	1250	1361	1501	1703	1941	2206
8.75°	784	935	1037	1115	1208	1319	1457	1659	1912	2206	2572
7.5°	844	981	1069	1153	1262	1390	1571	1825	2130	2517	3018
6.25°	895	1018	1099	1194	1312	1461	1688	1984	2354	2858	3527
5°	930	1039	1124	1229	1356	1536	1807	2145	2595	3218	4064
3.75°	955	1057	1144	1258	1399	1609	1905	2275	2813	3580	4611
2.5°	972	1069	1160	1281	1431	1662	1978	2400	3009	3875	5032
1.25°	983	1076	1172	1295	1451	1694	2031	2480	3129	4057	5318
0°	987	1079	1176	1300	1457	1705	2049	2507	3170	4119	5419
-1.25°	983	1076	1172	1295	1451	1694	2031	2480	3129	4057	5318
-2.5°	972	1069	1160	1281	1431	1662	1978	2400	3009	3875	5032
-3.75°	955	1057	1144	1258	1399	1609	1905	2275	2813	3580	4611
-5°	930	1039	1124	1229	1356	1536	1807	2145	2595	3218	4064
-6.25°	895	1018	1099	1194	1312	1461	1688	1984	2354	2858	3527
-7.5°	844	981	1069	1153	1262	1390	1571	1825	2130	2517	3018
-8.75°	784	935	1037	1115	1208	1319	1457	1659	1912	2206	2572
-10°	710	873	995	1074	1151	1250	1361	1501	1703	1941	2206
-11.25°	625	794	934	1032	1103	1183	1278	1387	1522	1703	1912
-12.5°	534	700	853	972	1052	1120	1199	1288	1387	1501	1659
-13.75°	437	596	755	893	995	1063	1126	1199	1278	1361	1457
-15°	344	485	638	786	912	1003	1063	1120	1183	1250	1319
-16.25°	251	378	516	659	795	912	995	1052	1103	1151	1208
-17.5°	167	274	396	526	659	786	893	972	1032	1074	1115
-18.75°	104	177	282	396	516	638	755	853	934	995	1037
-20°	76	107	177	274	378	485	596	700	794	873	935
-21.25°	63	76	104	167	251	344	437	534	625	710	784



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	54	62	72	98	148	212	294	375	453	532	604
-23.75°	47	53	60	69	88	118	170	232	299	365	425
-25°	39	45	52	57	65	74	95	125	168	215	267
-26.25°	33	38	43	49	54	59	66	75	92	109	142
-27.5°	26	31	36	40	45	50	55	59	64	69	80
-28.75°	21	24	29	33	37	41	45	49	53	56	60
-30°	19	20	22	26	29	33	36	40	43	47	49
-31.25°	17	18	19	20	22	26	29	32	34	37	39
-32.5°	15	16	17	18	19	20	21	24	27	29	31
-33.75°	15	15	16	16	17	18	19	20	20	21	23
-35°	14	14	15	15	15	16	16	17	18	19	19
-36.25°	13	13	14	14	15	15	15	16	16	16	17
-37.5°	12	13	13	13	14	14	14	15	15	15	15
-38.75°	11	12	12	12	13	13	13	14	14	14	14
-40°	10	11	11	12	12	12	12	13	13	13	13
-41.25°	10	10	10	11	11	11	12	12	12	12	12
-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°	7	7	7	7	7	7	7	7	7	7	7
-52.5°	7	7	7	7	7	7	7	7	7	7	7
-53.75°	6	7	7	7	7	7	7	7	7	7	7
-55°	6	6	6	6	6	6	7	7	7	7	7
-56.25°	5	6	6	6	6	6	6	6	6	6	6
-57.5°	5	5	5	5	5	6	6	6	6	6	6
-58.75°	5	5	5	5	5	5	5	5	5	5	5
-60°	4	4	4	4	4	5	5	5	5	5	5
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	3	4	4	4	4	4	4	4
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	2	2	2	3	3	3	3	3	3	3	3
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	3	2	2	2	2
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	3	3	3	3	3	3	4	3	3	3	3
62.5°	4	4	4	4	4	4	4	4	4	4	4
61.25°	4	4	4	4	4	4	5	4	4	4	4
60°	5	5	5	5	5	5	5	5	5	5	5
58.75°	5	5	5	5	5	5	6	5	5	5	5
57.5°	6	6	6	6	6	6	6	6	6	6	6
56.25°	6	6	6	6	6	6	7	6	6	6	6
55°	7	7	7	7	7	7	7	7	7	7	7
53.75°	7	7	7	7	7	7	7	7	7	7	7
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	13	13	13	13	13	13	13	13	13
40°	14	14	14	14	14	14	14	14	14	14	14
38.75°	15	15	15	15	15	15	15	15	15	15	15
37.5°	15	16	16	16	16	16	16	16	16	16	16
36.25°	17	18	18	18	18	18	19	18	18	18	18
35°	20	20	20	21	21	21	21	21	21	21	20

REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	25	26	27	28	29	29	30	29	29	28	27
32.5°	33	34	36	37	37	38	38	38	37	37	36
31.25°	42	44	45	47	48	48	49	48	48	47	45
30°	52	54	56	57	58	59	59	59	58	57	56
28.75°	63	67	69	72	76	79	80	79	76	72	69
27.5°	91	101	113	128	139	146	148	146	139	128	113
26.25°	171	199	230	254	271	282	285	282	271	254	230
25°	313	356	392	420	440	452	456	452	440	420	392
23.75°	481	533	575	609	633	648	653	648	633	609	575
22.5°	667	722	768	800	822	836	841	836	822	800	768
21.25°	844	895	930	955	972	983	987	983	972	955	930
20°	981	1018	1039	1057	1069	1076	1079	1076	1069	1057	1039
18.75°	1069	1099	1124	1144	1160	1172	1176	1172	1160	1144	1124
17.5°	1153	1194	1229	1258	1281	1295	1300	1295	1281	1258	1229
16.25°	1262	1312	1356	1399	1431	1451	1457	1451	1431	1399	1356
15°	1390	1461	1536	1609	1662	1694	1705	1694	1662	1609	1536
13.75°	1571	1688	1807	1905	1978	2031	2049	2031	1978	1905	1807
12.5°	1825	1984	2145	2275	2400	2480	2507	2480	2400	2275	2145
11.25°	2130	2354	2595	2813	3009	3129	3170	3129	3009	2813	2595
10°	2517	2858	3218	3580	3875	4057	4119	4057	3875	3580	3218
8.75°	3018	3527	4064	4611	5032	5318	5419	5318	5032	4611	4064
7.5°	3645	4371	5125	5845	6405	6784	6913	6784	6405	5845	5125
6.25°	4371	5327	6287	7184	7873	8308	8459	8308	7873	7184	6287
5°	5125	6287	7458	8463	9245	9753	9932	9753	9245	8463	7458
3.75°	5845	7184	8463	9580	10450	11021	11192	11021	10450	9580	8463
2.5°	6405	7873	9245	10450	11374	11956	12143	11956	11374	10450	9245
1.25°	6784	8308	9753	11021	11956	12549	12751	12549	11956	11021	9753
0°	6913	8459	9932	11192	12143	12751	13014	12751	12143	11192	9932
-1.25°	6784	8308	9753	11021	11956	12549	12751	12549	11956	11021	9753
-2.5°	6405	7873	9245	10450	11374	11956	12143	11956	11374	10450	9245
-3.75°	5845	7184	8463	9580	10450	11021	11192	11021	10450	9580	8463
-5°	5125	6287	7458	8463	9245	9753	9932	9753	9245	8463	7458
-6.25°	4371	5327	6287	7184	7873	8308	8459	8308	7873	7184	6287
-7.5°	3645	4371	5125	5845	6405	6784	6913	6784	6405	5845	5125
-8.75°	3018	3527	4064	4611	5032	5318	5419	5318	5032	4611	4064
-10°	2517	2858	3218	3580	3875	4057	4119	4057	3875	3580	3218
-11.25°	2130	2354	2595	2813	3009	3129	3170	3129	3009	2813	2595
-12.5°	1825	1984	2145	2275	2400	2480	2507	2480	2400	2275	2145
-13.75°	1571	1688	1807	1905	1978	2031	2049	2031	1978	1905	1807
-15°	1390	1461	1536	1609	1662	1694	1705	1694	1662	1609	1536
-16.25°	1262	1312	1356	1399	1431	1451	1457	1451	1431	1399	1356
-17.5°	1153	1194	1229	1258	1281	1295	1300	1295	1281	1258	1229
-18.75°	1069	1099	1124	1144	1160	1172	1176	1172	1160	1144	1124
-20°	981	1018	1039	1057	1069	1076	1079	1076	1069	1057	1039
-21.25°	844	895	930	955	972	983	987	983	972	955	930



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	667	722	768	800	822	836	841	836	822	800	768
-23.75°	481	533	575	609	633	648	653	648	633	609	575
-25°	313	356	392	420	440	452	456	452	440	420	392
-26.25°	171	199	230	254	271	282	285	282	271	254	230
-27.5°	91	101	113	128	139	146	148	146	139	128	113
-28.75°	63	67	69	72	76	79	80	79	76	72	69
-30°	52	54	56	57	58	59	59	59	58	57	56
-31.25°	42	44	45	47	48	48	49	48	48	47	45
-32.5°	33	34	36	37	37	38	38	38	37	37	36
-33.75°	25	26	27	28	29	29	30	29	29	28	27
-35°	20	20	20	21	21	21	21	21	21	21	20
-36.25°	17	18	18	18	18	18	19	18	18	18	18
-37.5°	15	16	16	16	16	16	16	16	16	16	16
-38.75°	15	15	15	15	15	15	15	15	15	15	15
-40°	14	14	14	14	14	14	14	14	14	14	14
-41.25°	13	13	13	13	13	13	13	13	13	13	13
-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°	7	7	7	7	7	7	7	7	7	7	7
-55°	7	7	7	7	7	7	7	7	7	7	7
-56.25°	6	6	6	6	6	6	7	6	6	6	6
-57.5°	6	6	6	6	6	6	6	6	6	6	6
-58.75°	5	5	5	5	5	5	6	5	5	5	5
-60°	5	5	5	5	5	5	5	5	5	5	5
-61.25°	4	4	4	4	4	4	5	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-63.75°	3	3	3	3	3	3	4	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	2	2	2	2	2	2	3	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	3	3	3	3	3	3	3	3	3	3	2
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	4	4	4	4	4	4	4	4	4	3	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	5	5	5	5	5	5	5	5	4	4	4
58.75°	5	5	5	5	5	5	5	5	5	5	5
57.5°	6	6	6	6	6	6	6	6	5	5	5
56.25°	6	6	6	6	6	6	6	6	6	6	6
55°	7	7	7	7	7	7	7	6	6	6	6
53.75°	7	7	7	7	7	7	7	7	7	7	7
52.5°	7	7	7	7	7	7	7	7	7	7	7
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	12	12	12	12	12	11	11	11	10
40°	14	14	13	13	13	13	12	12	12	12	11
38.75°	15	15	14	14	14	14	13	13	13	12	12
37.5°	16	15	15	15	15	15	14	14	14	13	13
36.25°	18	17	17	16	16	16	15	15	15	14	14
35°	20	20	19	19	18	17	16	16	15	15	15



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	26	25	23	21	20	20	19	18	17	16	16
32.5°	34	33	31	29	27	24	21	20	19	18	17
31.25°	44	42	39	37	34	32	29	26	22	20	19
30°	54	52	49	47	43	40	36	33	29	26	22
28.75°	67	63	60	56	53	49	45	41	37	33	29
27.5°	101	91	80	69	64	59	55	50	45	40	36
26.25°	199	171	142	109	92	75	66	59	54	49	43
25°	356	313	267	215	168	125	95	74	65	57	52
23.75°	533	481	425	365	299	232	170	118	88	69	60
22.5°	722	667	604	532	453	375	294	212	148	98	72
21.25°	895	844	784	710	625	534	437	344	251	167	104
20°	1018	981	935	873	794	700	596	485	378	274	177
18.75°	1099	1069	1037	995	934	853	755	638	516	396	282
17.5°	1194	1153	1115	1074	1032	972	893	786	659	526	396
16.25°	1312	1262	1208	1151	1103	1052	995	912	795	659	516
15°	1461	1390	1319	1250	1183	1120	1063	1003	912	786	638
13.75°	1688	1571	1457	1361	1278	1199	1126	1063	995	893	755
12.5°	1984	1825	1659	1501	1387	1288	1199	1120	1052	972	853
11.25°	2354	2130	1912	1703	1522	1387	1278	1183	1103	1032	934
10°	2858	2517	2206	1941	1703	1501	1361	1250	1151	1074	995
8.75°	3527	3018	2572	2206	1912	1659	1457	1319	1208	1115	1037
7.5°	4371	3645	3018	2517	2130	1825	1571	1390	1262	1153	1069
6.25°	5327	4371	3527	2858	2354	1984	1688	1461	1312	1194	1099
5°	6287	5125	4064	3218	2595	2145	1807	1536	1356	1229	1124
3.75°	7184	5845	4611	3580	2813	2275	1905	1609	1399	1258	1144
2.5°	7873	6405	5032	3875	3009	2400	1978	1662	1431	1281	1160
1.25°	8308	6784	5318	4057	3129	2480	2031	1694	1451	1295	1172
0°	8459	6913	5419	4119	3170	2507	2049	1705	1457	1300	1176
-1.25°	8308	6784	5318	4057	3129	2480	2031	1694	1451	1295	1172
-2.5°	7873	6405	5032	3875	3009	2400	1978	1662	1431	1281	1160
-3.75°	7184	5845	4611	3580	2813	2275	1905	1609	1399	1258	1144
-5°	6287	5125	4064	3218	2595	2145	1807	1536	1356	1229	1124
-6.25°	5327	4371	3527	2858	2354	1984	1688	1461	1312	1194	1099
-7.5°	4371	3645	3018	2517	2130	1825	1571	1390	1262	1153	1069
-8.75°	3527	3018	2572	2206	1912	1659	1457	1319	1208	1115	1037
-10°	2858	2517	2206	1941	1703	1501	1361	1250	1151	1074	995
-11.25°	2354	2130	1912	1703	1522	1387	1278	1183	1103	1032	934
-12.5°	1984	1825	1659	1501	1387	1288	1199	1120	1052	972	853
-13.75°	1688	1571	1457	1361	1278	1199	1126	1063	995	893	755
-15°	1461	1390	1319	1250	1183	1120	1063	1003	912	786	638
-16.25°	1312	1262	1208	1151	1103	1052	995	912	795	659	516
-17.5°	1194	1153	1115	1074	1032	972	893	786	659	526	396
-18.75°	1099	1069	1037	995	934	853	755	638	516	396	282
-20°	1018	981	935	873	794	700	596	485	378	274	177
-21.25°	895	844	784	710	625	534	437	344	251	167	104



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	722	667	604	532	453	375	294	212	148	98	72
-23.75°	533	481	425	365	299	232	170	118	88	69	60
-25°	356	313	267	215	168	125	95	74	65	57	52
-26.25°	199	171	142	109	92	75	66	59	54	49	43
-27.5°	101	91	80	69	64	59	55	50	45	40	36
-28.75°	67	63	60	56	53	49	45	41	37	33	29
-30°	54	52	49	47	43	40	36	33	29	26	22
-31.25°	44	42	39	37	34	32	29	26	22	20	19
-32.5°	34	33	31	29	27	24	21	20	19	18	17
-33.75°	26	25	23	21	20	20	19	18	17	16	16
-35°	20	20	19	19	18	17	16	16	15	15	15
-36.25°	18	17	17	16	16	16	15	15	15	14	14
-37.5°	16	15	15	15	15	15	14	14	14	13	13
-38.75°	15	15	14	14	14	14	13	13	13	12	12
-40°	14	14	13	13	13	13	12	12	12	12	11
-41.25°	13	13	12	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	7	7	7	7
-53.75°	7	7	7	7	7	7	7	7	7	7	7
-55°	7	7	7	7	7	7	7	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	6	6
-57.5°	6	6	6	6	6	6	6	6	5	5	5
-58.75°	5	5	5	5	5	5	5	5	5	5	5
-60°	5	5	5	5	5	5	5	5	4	4	4
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	3	3	3	3	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	2	2	2
61.25°	4	4	4	3	3	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	3	3	3	3
58.75°	5	5	4	4	4	4	4	4	4	4	3
57.5°	5	5	5	5	5	5	4	4	4	4	4
56.25°	6	5	5	5	5	5	5	5	5	4	4
55°	6	6	6	6	6	5	5	5	5	5	5
53.75°	7	6	6	6	6	6	6	5	5	5	5
52.5°	7	7	7	7	6	6	6	6	6	6	5
51.25°	7	7	7	7	7	7	6	6	6	6	6
50°	7	7	7	7	7	7	7	7	7	6	6
48.75°	7	7	7	7	7	7	7	7	7	7	7
47.5°	8	8	7	7	7	7	7	7	7	7	7
46.25°	8	8	8	8	8	7	7	7	7	7	7
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°	13	13	13	12	12	11	11	10	10	9	9
35°	14	14	13	13	12	12	11	11	10	10	9



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	15	15	14	14	13	13	12	11	11	10	10
32.5°	16	15	15	14	14	13	13	12	12	11	10
31.25°	18	17	16	15	15	14	13	13	12	12	11
30°	20	19	17	16	15	15	14	14	13	12	12
28.75°	24	21	19	18	16	15	15	14	14	13	12
27.5°	31	26	21	20	18	16	16	15	14	13	13
26.25°	38	33	27	22	20	18	16	15	15	14	13
25°	45	39	34	28	23	20	18	16	15	15	14
23.75°	53	47	40	34	28	22	20	18	16	15	14
22.5°	62	54	47	40	34	27	21	19	17	16	15
21.25°	76	63	54	47	39	33	26	21	19	17	15
20°	107	76	62	53	45	38	31	24	20	18	16
18.75°	177	104	72	60	52	43	36	29	22	19	17
17.5°	274	167	98	69	57	49	40	33	26	20	18
16.25°	378	251	148	88	65	54	45	37	29	22	19
15°	485	344	212	118	74	59	50	41	33	26	20
13.75°	596	437	294	170	95	66	55	45	36	29	21
12.5°	700	534	375	232	125	75	59	49	40	32	24
11.25°	794	625	453	299	168	92	64	53	43	34	27
10°	873	710	532	365	215	109	69	56	47	37	29
8.75°	935	784	604	425	267	142	80	60	49	39	31
7.5°	981	844	667	481	313	171	91	63	52	42	33
6.25°	1018	895	722	533	356	199	101	67	54	44	34
5°	1039	930	768	575	392	230	113	69	56	45	36
3.75°	1057	955	800	609	420	254	128	72	57	47	37
2.5°	1069	972	822	633	440	271	139	76	58	48	37
1.25°	1076	983	836	648	452	282	146	79	59	48	38
0°	1079	987	841	653	456	285	148	80	59	49	38
-1.25°	1076	983	836	648	452	282	146	79	59	48	38
-2.5°	1069	972	822	633	440	271	139	76	58	48	37
-3.75°	1057	955	800	609	420	254	128	72	57	47	37
-5°	1039	930	768	575	392	230	113	69	56	45	36
-6.25°	1018	895	722	533	356	199	101	67	54	44	34
-7.5°	981	844	667	481	313	171	91	63	52	42	33
-8.75°	935	784	604	425	267	142	80	60	49	39	31
-10°	873	710	532	365	215	109	69	56	47	37	29
-11.25°	794	625	453	299	168	92	64	53	43	34	27
-12.5°	700	534	375	232	125	75	59	49	40	32	24
-13.75°	596	437	294	170	95	66	55	45	36	29	21
-15°	485	344	212	118	74	59	50	41	33	26	20
-16.25°	378	251	148	88	65	54	45	37	29	22	19
-17.5°	274	167	98	69	57	49	40	33	26	20	18
-18.75°	177	104	72	60	52	43	36	29	22	19	17
-20°	107	76	62	53	45	38	31	24	20	18	16
-21.25°	76	63	54	47	39	33	26	21	19	17	15



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	62	54	47	40	34	27	21	19	17	16	15
-23.75°	53	47	40	34	28	22	20	18	16	15	14
-25°	45	39	34	28	23	20	18	16	15	15	14
-26.25°	38	33	27	22	20	18	16	15	15	14	13
-27.5°	31	26	21	20	18	16	16	15	14	13	13
-28.75°	24	21	19	18	16	15	15	14	14	13	12
-30°	20	19	17	16	15	15	14	14	13	12	12
-31.25°	18	17	16	15	15	14	13	13	12	12	11
-32.5°	16	15	15	14	14	13	13	12	12	11	10
-33.75°	15	15	14	14	13	13	12	11	11	10	10
-35°	14	14	13	13	12	12	11	11	10	10	9
-36.25°	13	13	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	7	7
-47.5°	8	8	7	7	7	7	7	7	7	7	7
-48.75°	7	7	7	7	7	7	7	7	7	7	7
-50°	7	7	7	7	7	7	7	7	7	6	6
-51.25°	7	7	7	7	7	7	6	6	6	6	6
-52.5°	7	7	7	7	6	6	6	6	6	6	5
-53.75°	7	6	6	6	6	6	6	5	5	5	5
-55°	6	6	6	6	6	5	5	5	5	5	5
-56.25°	6	5	5	5	5	5	5	5	5	4	4
-57.5°	5	5	5	5	5	5	4	4	4	4	4
-58.75°	5	5	4	4	4	4	4	4	4	4	3
-60°	4	4	4	4	4	4	4	3	3	3	3
-61.25°	4	4	4	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	2	2	2
-63.75°	3	3	3	3	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	3	3	3	2	2	2	2	2	1	1	1
58.75°	3	3	3	3	3	2	2	2	2	2	1
57.5°	4	3	3	3	3	3	3	2	2	2	2
56.25°	4	4	4	3	3	3	3	3	2	2	2
55°	4	4	4	4	4	3	3	3	3	3	2
53.75°	5	5	4	4	4	4	4	3	3	3	3
52.5°	5	5	5	5	4	4	4	4	3	3	3
51.25°	6	5	5	5	5	4	4	4	4	4	3
50°	6	6	5	5	5	5	5	4	4	4	4
48.75°	6	6	6	6	5	5	5	5	4	4	4
47.5°	7	6	6	6	6	5	5	5	5	4	4
46.25°	7	7	7	6	6	6	6	5	5	5	4
45°	7	7	7	7	6	6	6	6	5	5	5
43.75°	7	7	7	7	7	6	6	6	6	5	5
42.5°	7	7	7	7	7	7	6	6	6	6	5
41.25°	7	7	7	7	7	7	7	6	6	6	6
40°	8	8	7	7	7	7	7	7	6	6	6
38.75°	8	8	8	7	7	7	7	7	7	6	6
37.5°	9	8	8	8	7	7	7	7	7	7	6
36.25°	9	9	8	8	8	7	7	7	7	7	7
35°	9	9	9	8	8	8	7	7	7	7	7



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	7	7
32.5°	10	9	9	9	8	8	8	7	7	7	7
31.25°	10	10	9	9	9	8	8	8	7	7	7
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°	13	12	12	11	10	10	9	9	8	8	8
23.75°	14	13	12	11	10	10	9	9	9	8	8
22.5°	14	13	13	12	11	10	10	9	9	8	8
21.25°	15	14	13	12	11	10	10	9	9	8	8
20°	15	14	13	13	12	11	10	10	9	9	8
18.75°	16	15	14	13	12	11	10	10	9	9	8
17.5°	16	15	14	13	12	12	11	10	9	9	9
16.25°	17	15	15	14	13	12	11	10	10	9	9
15°	18	16	15	14	13	12	11	10	10	9	9
13.75°	19	16	15	14	13	12	12	11	10	9	9
12.5°	20	17	16	15	14	13	12	11	10	9	9
11.25°	20	18	16	15	14	13	12	11	10	10	9
10°	21	19	16	15	14	13	12	11	10	10	9
8.75°	23	19	17	15	14	13	12	11	10	10	9
7.5°	25	20	17	15	15	14	13	12	11	10	9
6.25°	26	20	18	16	15	14	13	12	11	10	9
5°	27	20	18	16	15	14	13	12	11	10	9
3.75°	28	21	18	16	15	14	13	12	11	10	9
2.5°	29	21	18	16	15	14	13	12	11	10	9
1.25°	29	21	18	16	15	14	13	12	11	10	9
0°	30	21	19	16	15	14	13	12	11	10	10
-1.25°	29	21	18	16	15	14	13	12	11	10	9
-2.5°	29	21	18	16	15	14	13	12	11	10	9
-3.75°	28	21	18	16	15	14	13	12	11	10	9
-5°	27	20	18	16	15	14	13	12	11	10	9
-6.25°	26	20	18	16	15	14	13	12	11	10	9
-7.5°	25	20	17	15	15	14	13	12	11	10	9
-8.75°	23	19	17	15	14	13	12	11	10	10	9
-10°	21	19	16	15	14	13	12	11	10	10	9
-11.25°	20	18	16	15	14	13	12	11	10	10	9
-12.5°	20	17	16	15	14	13	12	11	10	9	9
-13.75°	19	16	15	14	13	12	12	11	10	9	9
-15°	18	16	15	14	13	12	11	10	10	9	9
-16.25°	17	15	15	14	13	12	11	10	10	9	9
-17.5°	16	15	14	13	12	12	11	10	9	9	9
-18.75°	16	15	14	13	12	11	10	10	9	9	8
-20°	15	14	13	13	12	11	10	10	9	9	8
-21.25°	15	14	13	12	11	10	10	9	9	8	8



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	14	13	13	12	11	10	10	9	9	8	8
-23.75°	14	13	12	11	10	10	9	9	9	8	8
-25°	13	12	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	7
-32.5°	10	9	9	9	8	8	8	7	7	7	7
-33.75°	9	9	9	9	8	8	7	7	7	7	7
-35°	9	9	9	8	8	8	7	7	7	7	7
-36.25°	9	9	8	8	8	7	7	7	7	7	7
-37.5°	9	8	8	8	7	7	7	7	7	7	6
-38.75°	8	8	8	7	7	7	7	7	7	6	6
-40°	8	8	7	7	7	7	7	7	6	6	6
-41.25°	7	7	7	7	7	7	7	6	6	6	6
-42.5°	7	7	7	7	7	7	6	6	6	6	5
-43.75°	7	7	7	7	7	6	6	6	6	5	5
-45°	7	7	7	7	6	6	6	6	5	5	5
-46.25°	7	7	7	6	6	6	6	5	5	5	4
-47.5°	7	6	6	6	6	5	5	5	5	4	4
-48.75°	6	6	6	6	5	5	5	5	4	4	4
-50°	6	6	5	5	5	5	5	4	4	4	4
-51.25°	6	5	5	5	5	4	4	4	4	4	3
-52.5°	5	5	5	5	4	4	4	4	3	3	3
-53.75°	5	5	4	4	4	4	4	3	3	3	3
-55°	4	4	4	4	4	3	3	3	3	3	2
-56.25°	4	4	4	3	3	3	3	3	2	2	2
-57.5°	4	3	3	3	3	3	3	2	2	2	2
-58.75°	3	3	3	3	3	2	2	2	2	2	1
-60°	3	3	3	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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	3	2	2	2	2	1	1	1	1	1	1
51.25°	3	3	2	2	2	2	1	1	1	1	1
50°	3	3	3	2	2	2	2	1	1	1	1
48.75°	4	3	3	3	2	2	2	2	1	1	1
47.5°	4	4	3	3	3	2	2	2	2	1	1
46.25°	4	4	4	3	3	3	2	2	2	1	1
45°	4	4	4	4	3	3	3	2	2	2	1
43.75°	5	4	4	4	3	3	3	2	2	2	1
42.5°	5	5	4	4	4	3	3	3	2	2	2
41.25°	5	5	5	4	4	4	3	3	3	2	2
40°	5	5	5	4	4	4	3	3	3	2	2
38.75°	6	5	5	5	4	4	4	3	3	3	2
37.5°	6	6	5	5	5	4	4	3	3	3	2
36.25°	6	6	5	5	5	4	4	4	3	3	3
35°	6	6	6	5	5	5	4	4	3	3	3



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	7	6	6	6	5	5	4	4	4	3	3
32.5°	7	7	6	6	5	5	5	4	4	3	3
31.25°	7	7	6	6	6	5	5	4	4	4	3
30°	7	7	7	6	6	5	5	5	4	4	3
28.75°	7	7	7	6	6	5	5	5	4	4	3
27.5°	7	7	7	6	6	6	5	5	4	4	4
26.25°	7	7	7	7	6	6	5	5	5	4	4
25°	7	7	7	7	6	6	6	5	5	4	4
23.75°	7	7	7	7	7	6	6	5	5	4	4
22.5°	7	7	7	7	7	6	6	5	5	4	4
21.25°	8	7	7	7	7	6	6	5	5	5	4
20°	8	7	7	7	7	7	6	6	5	5	4
18.75°	8	7	7	7	7	7	6	6	5	5	4
17.5°	8	8	7	7	7	7	6	6	5	5	4
16.25°	8	8	7	7	7	7	6	6	5	5	4
15°	8	8	7	7	7	7	6	6	6	5	5
13.75°	8	8	7	7	7	7	7	6	6	5	5
12.5°	9	8	8	7	7	7	7	6	6	5	5
11.25°	9	8	8	7	7	7	7	6	6	5	5
10°	9	8	8	7	7	7	7	6	6	5	5
8.75°	9	8	8	7	7	7	7	6	6	5	5
7.5°	9	8	8	7	7	7	7	6	6	5	5
6.25°	9	8	8	7	7	7	7	6	6	5	5
5°	9	8	8	7	7	7	7	6	6	5	5
3.75°	9	8	8	7	7	7	7	6	6	5	5
2.5°	9	8	8	7	7	7	7	6	6	5	5
1.25°	9	8	8	7	7	7	7	6	6	5	5
0°	9	9	8	8	7	7	7	7	6	6	5
-1.25°	9	8	8	7	7	7	7	6	6	5	5
-2.5°	9	8	8	7	7	7	7	6	6	5	5
-3.75°	9	8	8	7	7	7	7	6	6	5	5
-5°	9	8	8	7	7	7	7	6	6	5	5
-6.25°	9	8	8	7	7	7	7	6	6	5	5
-7.5°	9	8	8	7	7	7	7	6	6	5	5
-8.75°	9	8	8	7	7	7	7	6	6	5	5
-10°	9	8	8	7	7	7	7	6	6	5	5
-11.25°	9	8	8	7	7	7	7	6	6	5	5
-12.5°	9	8	8	7	7	7	7	6	6	5	5
-13.75°	8	8	7	7	7	7	7	6	6	5	5
-15°	8	8	7	7	7	7	6	6	6	5	5
-16.25°	8	8	7	7	7	7	6	6	5	5	4
-17.5°	8	8	7	7	7	7	6	6	5	5	4
-18.75°	8	7	7	7	7	7	6	6	5	5	4
-20°	8	7	7	7	7	7	6	6	5	5	4
-21.25°	8	7	7	7	7	6	6	5	5	5	4



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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	7	7	6	6	5	5	4	4
-23.75°	7	7	7	7	7	6	6	5	5	4	4
-25°	7	7	7	7	6	6	6	5	5	4	4
-26.25°	7	7	7	7	6	6	5	5	5	4	4
-27.5°	7	7	7	6	6	6	5	5	4	4	4
-28.75°	7	7	7	6	6	5	5	5	4	4	3
-30°	7	7	7	6	6	5	5	5	4	4	3
-31.25°	7	7	6	6	6	5	5	4	4	4	3
-32.5°	7	7	6	6	5	5	5	4	4	3	3
-33.75°	7	6	6	6	5	5	4	4	4	3	3
-35°	6	6	6	5	5	5	4	4	3	3	3
-36.25°	6	6	5	5	5	4	4	4	3	3	3
-37.5°	6	6	5	5	5	4	4	3	3	3	2
-38.75°	6	5	5	5	4	4	4	3	3	3	2
-40°	5	5	5	4	4	4	3	3	3	2	2
-41.25°	5	5	5	4	4	4	3	3	3	2	2
-42.5°	5	5	4	4	4	3	3	3	2	2	2
-43.75°	5	4	4	4	3	3	3	2	2	2	1
-45°	4	4	4	4	3	3	3	2	2	2	1
-46.25°	4	4	4	3	3	3	2	2	2	1	1
-47.5°	4	4	3	3	3	2	2	2	2	1	1
-48.75°	4	3	3	3	2	2	2	2	1	1	1
-50°	3	3	3	2	2	2	2	1	1	1	1
-51.25°	3	3	2	2	2	2	1	1	1	1	1
-52.5°	3	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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	3	2	2	1	1	1	1	1	0	0	0
31.25°	3	2	2	1	1	1	1	1	0	0	0
30°	3	2	2	2	1	1	1	1	0	0	0
28.75°	3	3	2	2	1	1	1	1	1	0	0
27.5°	3	3	2	2	1	1	1	1	1	0	0
26.25°	3	3	2	2	1	1	1	1	1	0	0
25°	3	3	2	2	2	1	1	1	1	0	0
23.75°	3	3	3	2	2	1	1	1	1	0	0
22.5°	4	3	3	2	2	1	1	1	1	0	0
21.25°	4	3	3	2	2	1	1	1	1	1	0
20°	4	3	3	2	2	1	1	1	1	1	0
18.75°	4	3	3	2	2	1	1	1	1	1	0
17.5°	4	3	3	3	2	2	1	1	1	1	0
16.25°	4	4	3	3	2	2	1	1	1	1	0
15°	4	4	3	3	2	2	1	1	1	1	0
13.75°	4	4	3	3	2	2	1	1	1	1	0
12.5°	4	4	3	3	2	2	1	1	1	1	0
11.25°	4	4	3	3	2	2	1	1	1	1	0
10°	4	4	3	3	2	2	1	1	1	1	0
8.75°	4	4	3	3	2	2	1	1	1	1	0
7.5°	4	4	3	3	2	2	1	1	1	1	0
6.25°	4	4	3	3	2	2	1	1	1	1	0
5°	4	4	3	3	2	2	1	1	1	1	0
3.75°	4	4	3	3	2	2	1	1	1	1	0
2.5°	4	4	3	3	2	2	1	1	1	1	0
1.25°	4	4	3	3	2	2	1	1	1	1	0
0°	5	4	4	3	3	2	2	1	1	1	1
-1.25°	4	4	3	3	2	2	1	1	1	1	0
-2.5°	4	4	3	3	2	2	1	1	1	1	0
-3.75°	4	4	3	3	2	2	1	1	1	1	0
-5°	4	4	3	3	2	2	1	1	1	1	0
-6.25°	4	4	3	3	2	2	1	1	1	1	0
-7.5°	4	4	3	3	2	2	1	1	1	1	0
-8.75°	4	4	3	3	2	2	1	1	1	1	0
-10°	4	4	3	3	2	2	1	1	1	1	0
-11.25°	4	4	3	3	2	2	1	1	1	1	0
-12.5°	4	4	3	3	2	2	1	1	1	1	0
-13.75°	4	4	3	3	2	2	1	1	1	1	0
-15°	4	4	3	3	2	2	1	1	1	1	0
-16.25°	4	4	3	3	2	2	1	1	1	1	0
-17.5°	4	3	3	3	2	2	1	1	1	1	0
-18.75°	4	3	3	2	2	1	1	1	1	1	0
-20°	4	3	3	2	2	1	1	1	1	1	0
-21.25°	4	3	3	2	2	1	1	1	1	1	0



REPORT NUMBER: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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°	4	3	3	2	2	1	1	1	1	0	0
-23.75°	3	3	3	2	2	1	1	1	1	0	0
-25°	3	3	2	2	2	1	1	1	1	0	0
-26.25°	3	3	2	2	1	1	1	1	1	0	0
-27.5°	3	3	2	2	1	1	1	1	1	0	0
-28.75°	3	3	2	2	1	1	1	1	1	0	0
-30°	3	2	2	2	1	1	1	1	0	0	0
-31.25°	3	2	2	1	1	1	1	1	0	0	0
-32.5°	3	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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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: P29472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-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)