

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: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

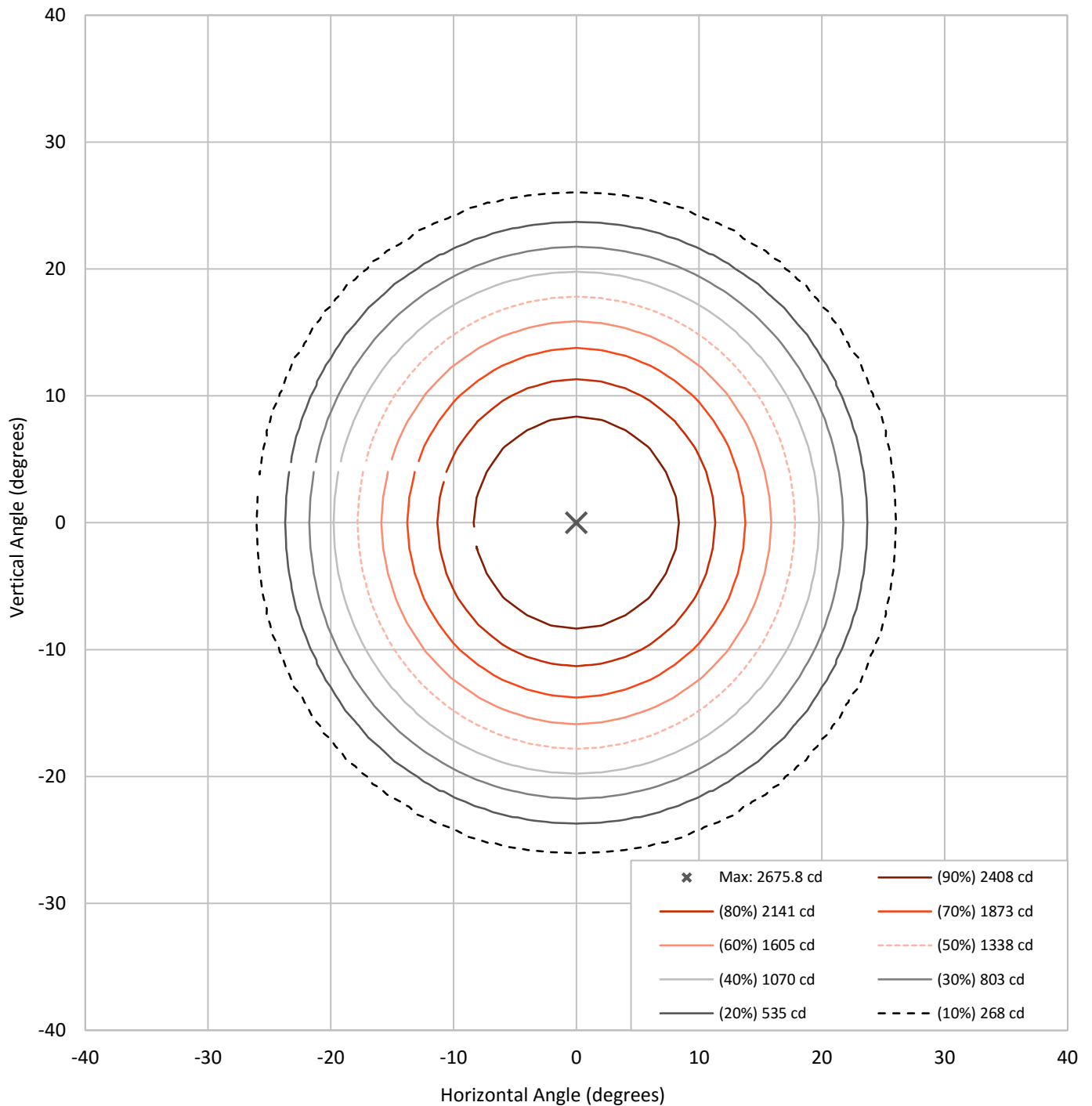
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	917.1 lumens	Max Intensity:	2675.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	93.6 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:	611.6 lumens	Field Lumens:	860.8 lumens
Beam Efficiency:	66.7%	Field Efficiency:	93.9%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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

Iso-Candela Plot





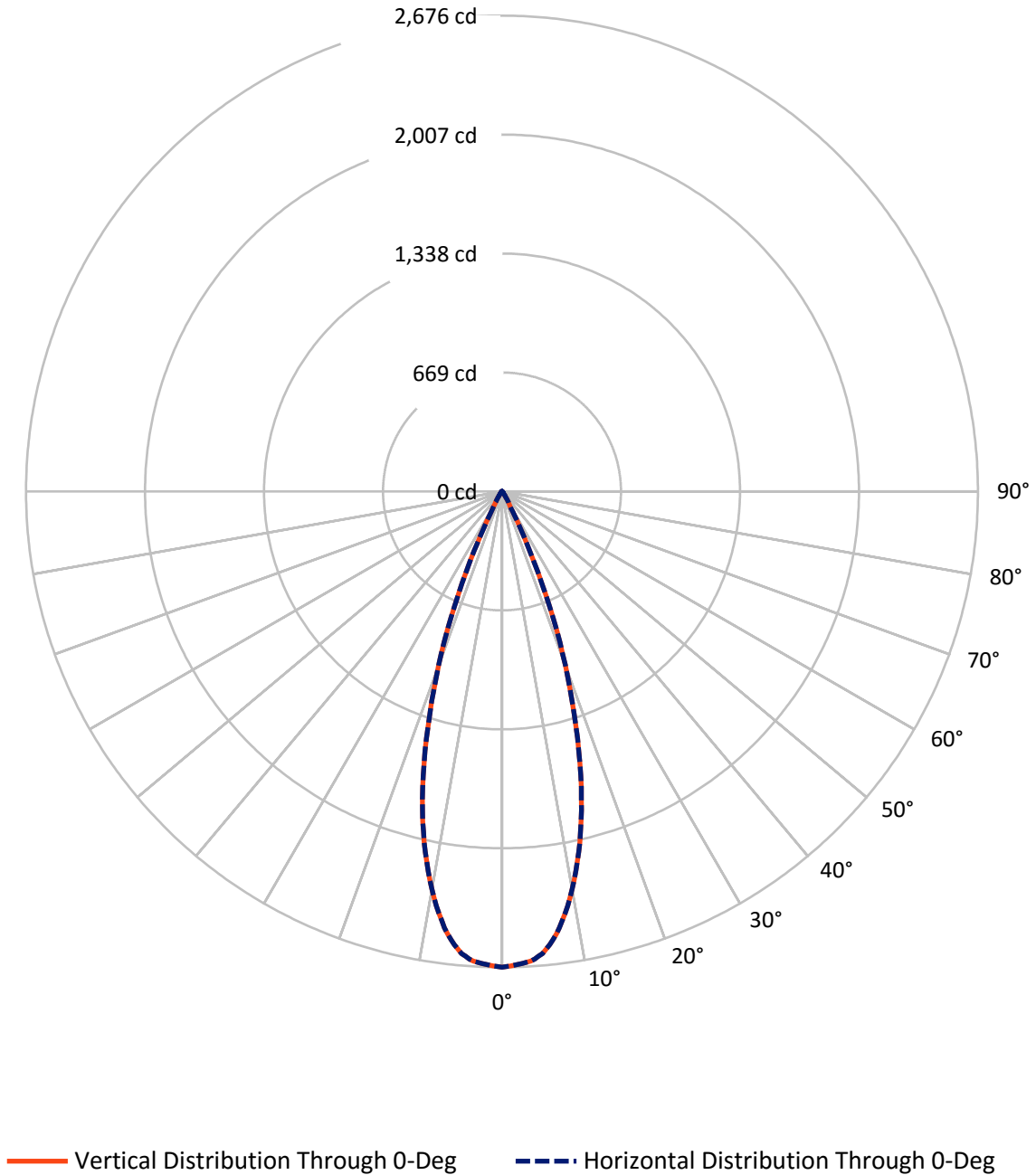
REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	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	0.0	
40		0.0	0.0	0.1	0.1	0.2	0.5	0.9	0.9	0.5	0.2	0.1	0.1	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.2	0.9	4.4	11.5	11.5	4.4	0.9	0.2	0.1	0.0	0.0	0.0	
20		0.0	0.1	0.1	0.5	4.2	25.7	47.4	47.4	25.7	4.2	0.5	0.1	0.1	0.0		
10	0.0	0.0	0.1	0.1	0.8	10.7	46.1	73.3	73.3	46.1	10.7	0.8	0.1	0.1	0.0	0.0	
0		0.0	0.1	0.1	0.8	10.7	46.1	73.3	73.3	46.1	10.7	0.8	0.1	0.1	0.0		
-10	0.0	0.0	0.1	0.1	0.8	10.7	46.1	73.3	73.3	46.1	10.7	0.8	0.1	0.1	0.0	0.0	
-20		0.0	0.1	0.1	0.5	4.2	25.7	47.4	47.4	25.7	4.2	0.5	0.1	0.1	0.0		
-30	0.0	0.0	0.0	0.1	0.2	0.9	4.4	11.5	11.5	4.4	0.9	0.2	0.1	0.0	0.0	0.0	
-40		0.0	0.0	0.1	0.1	0.2	0.5	0.9	0.9	0.5	0.2	0.1	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

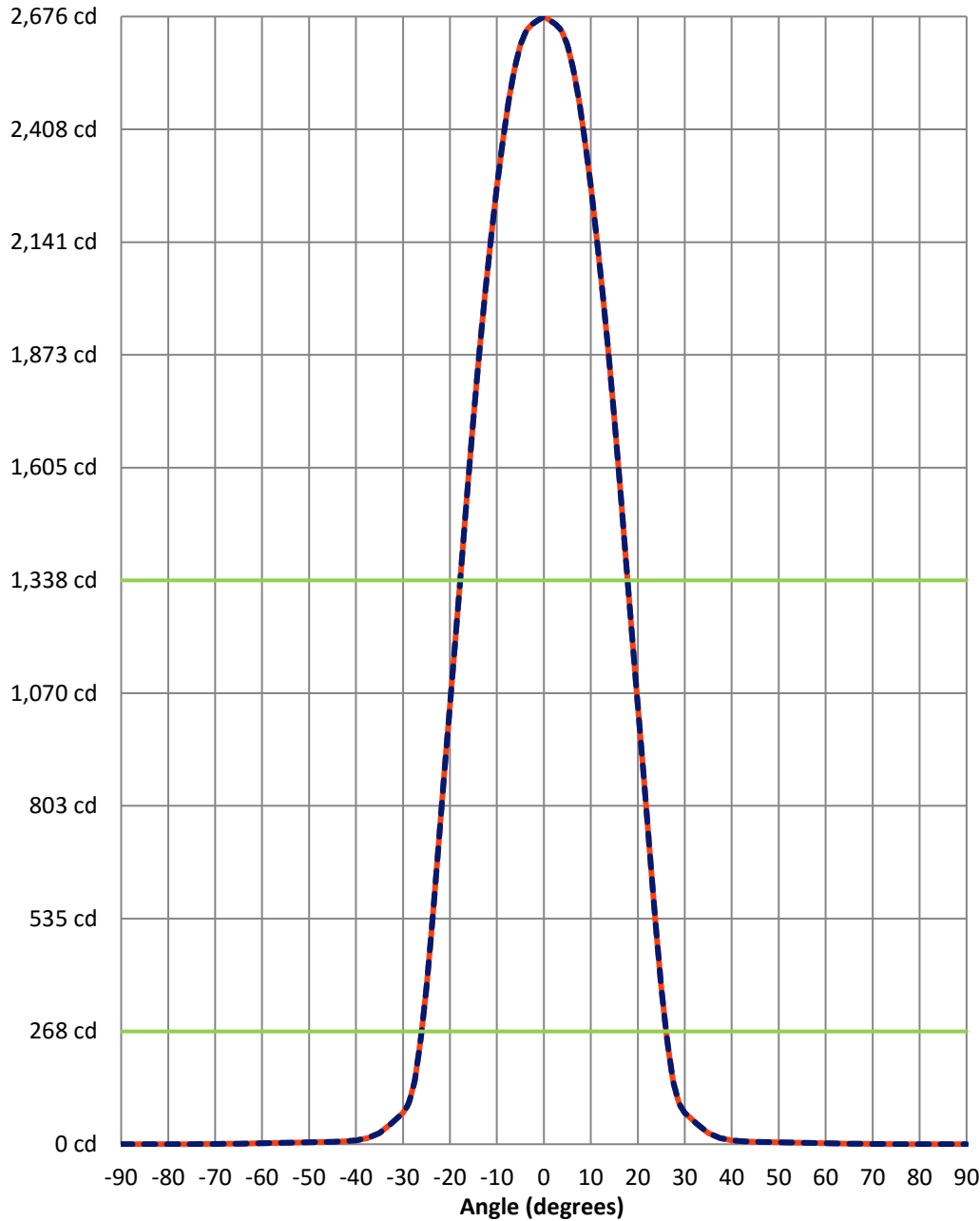
REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 35.6°
 V Angle: 35.6°
 Lumens: 611.6
 Efficiency: 66.7%

Field:
 H Angle: 52.1°
 V Angle: 52.1°
 Lumens: 860.8
 Efficiency: 93.9%

Spill:
 Lumens: 56.3
 Efficiency: 6.1%

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



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

FIELD
 BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
31.25°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
28.75°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
26.25°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
23.75°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
21.25°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
18.75°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
16.25°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
13.75°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
11.25°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
8.75°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
6.25°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
3.75°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
1.25°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-1.25°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-3.75°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-6.25°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-8.75°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-11.25°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-13.75°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-16.25°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-18.75°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0
-21.25°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	0	0	0	0	0	0	0
-23.75°	0	0	0	0	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-26.25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-28.75°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-31.25°	0	0	0	0	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-33.75°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-36.25°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-38.75°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-41.25°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-43.75°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-46.25°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-48.75°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	1	1	1	1	1	2	2	2	2	3	3
32.5°	1	1	1	1	2	2	2	2	2	3	3
31.25°	1	1	1	1	2	2	2	2	3	3	3
30°	1	1	1	2	2	2	2	2	3	3	3
28.75°	1	1	1	2	2	2	2	3	3	3	3
27.5°	1	1	1	2	2	2	2	3	3	3	3
26.25°	1	1	1	2	2	2	2	3	3	3	3
25°	1	1	2	2	2	2	3	3	3	3	4
23.75°	1	1	2	2	2	2	3	3	3	3	4
22.5°	1	1	2	2	2	2	3	3	3	3	4
21.25°	1	1	2	2	2	3	3	3	3	4	4
20°	1	2	2	2	2	3	3	3	3	4	4
18.75°	1	2	2	2	2	3	3	3	3	4	4
17.5°	1	2	2	2	2	3	3	3	3	4	4
16.25°	1	2	2	2	3	3	3	3	4	4	4
15°	1	2	2	2	3	3	3	3	4	4	4
13.75°	1	2	2	2	3	3	3	3	4	4	4
12.5°	2	2	2	2	3	3	3	3	4	4	4
11.25°	2	2	2	2	3	3	3	3	4	4	4
10°	2	2	2	2	3	3	3	4	4	4	4
8.75°	2	2	2	2	3	3	3	4	4	4	4
7.5°	2	2	2	2	3	3	3	4	4	4	4
6.25°	2	2	2	3	3	3	3	4	4	4	4
5°	2	2	2	3	3	3	3	4	4	4	4
3.75°	2	2	2	3	3	3	3	4	4	4	4
2.5°	2	2	2	3	3	3	3	4	4	4	4
1.25°	2	2	2	3	3	3	3	4	4	4	4
0°	2	2	2	3	3	3	3	4	4	4	5
-1.25°	2	2	2	3	3	3	3	4	4	4	4
-2.5°	2	2	2	3	3	3	3	4	4	4	4
-3.75°	2	2	2	3	3	3	3	4	4	4	4
-5°	2	2	2	3	3	3	3	4	4	4	4
-6.25°	2	2	2	3	3	3	3	4	4	4	4
-7.5°	2	2	2	2	3	3	3	4	4	4	4
-8.75°	2	2	2	2	3	3	3	4	4	4	4
-10°	2	2	2	2	3	3	3	4	4	4	4
-11.25°	2	2	2	2	3	3	3	3	4	4	4
-12.5°	2	2	2	2	3	3	3	3	4	4	4
-13.75°	1	2	2	2	3	3	3	3	4	4	4
-15°	1	2	2	2	3	3	3	3	4	4	4
-16.25°	1	2	2	2	3	3	3	3	4	4	4
-17.5°	1	2	2	2	2	3	3	3	3	4	4
-18.75°	1	2	2	2	2	3	3	3	3	4	4
-20°	1	2	2	2	2	3	3	3	3	4	4
-21.25°	1	1	2	2	2	3	3	3	3	4	4



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	3	3	3	4	4	4	4	4	5	5	5
32.5°	3	3	4	4	4	4	4	5	5	5	5
31.25°	3	3	4	4	4	4	4	5	5	5	5
30°	3	4	4	4	4	4	5	5	5	5	5
28.75°	3	4	4	4	4	5	5	5	5	5	6
27.5°	4	4	4	4	4	5	5	5	5	6	6
26.25°	4	4	4	4	5	5	5	5	5	6	6
25°	4	4	4	4	5	5	5	5	6	6	7
23.75°	4	4	4	5	5	5	5	6	6	6	7
22.5°	4	4	4	5	5	5	5	6	6	7	7
21.25°	4	4	5	5	5	5	5	6	6	7	8
20°	4	4	5	5	5	5	6	6	7	7	8
18.75°	4	4	5	5	5	5	6	6	7	8	9
17.5°	4	5	5	5	5	6	6	7	7	8	10
16.25°	4	5	5	5	5	6	6	7	8	9	11
15°	4	5	5	5	5	6	6	7	8	9	12
13.75°	4	5	5	5	6	6	7	7	8	10	13
12.5°	5	5	5	5	6	6	7	8	9	11	13
11.25°	5	5	5	5	6	6	7	8	9	11	14
10°	5	5	5	5	6	6	7	8	9	12	15
8.75°	5	5	5	5	6	6	7	8	10	13	16
7.5°	5	5	5	6	6	7	7	8	10	13	17
6.25°	5	5	5	6	6	7	8	9	11	14	18
5°	5	5	5	6	6	7	8	9	11	14	19
3.75°	5	5	5	6	6	7	8	9	11	14	20
2.5°	5	5	5	6	6	7	8	9	12	14	20
1.25°	5	5	5	6	6	7	8	9	12	15	20
0°	5	5	5	6	6	7	8	9	12	15	21
-1.25°	5	5	5	6	6	7	8	9	12	15	20
-2.5°	5	5	5	6	6	7	8	9	12	14	20
-3.75°	5	5	5	6	6	7	8	9	11	14	20
-5°	5	5	5	6	6	7	8	9	11	14	19
-6.25°	5	5	5	6	6	7	8	9	11	14	18
-7.5°	5	5	5	6	6	7	7	8	10	13	17
-8.75°	5	5	5	5	6	6	7	8	10	13	16
-10°	5	5	5	5	6	6	7	8	9	12	15
-11.25°	5	5	5	5	6	6	7	8	9	11	14
-12.5°	5	5	5	5	6	6	7	8	9	11	13
-13.75°	4	5	5	5	6	6	7	7	8	10	13
-15°	4	5	5	5	5	6	6	7	8	9	12
-16.25°	4	5	5	5	5	6	6	7	8	9	11
-17.5°	4	5	5	5	5	6	6	7	7	8	10
-18.75°	4	4	5	5	5	5	6	6	7	8	9
-20°	4	4	5	5	5	5	6	6	7	7	8
-21.25°	4	4	5	5	5	5	5	6	6	7	8



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	1	1
70°	0	0	0	0	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	2	2	2
58.75°	1	1	1	1	2	2	2	2	2	2	2
57.5°	1	1	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	3	3	3
53.75°	2	2	2	2	2	3	3	3	3	3	3
52.5°	2	2	2	3	3	3	3	3	3	3	3
51.25°	2	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	4	4	4
48.75°	3	3	3	3	3	3	4	4	4	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
46.25°	3	3	4	4	4	4	4	4	4	4	4
45°	3	4	4	4	4	4	4	4	4	5	5
43.75°	4	4	4	4	4	4	4	5	5	5	5
42.5°	4	4	4	4	4	5	5	5	5	5	5
41.25°	4	4	4	4	5	5	5	5	5	5	5
40°	4	4	5	5	5	5	5	5	5	6	6
38.75°	4	5	5	5	5	5	5	5	6	6	6
37.5°	5	5	5	5	5	5	6	6	6	6	7
36.25°	5	5	5	5	5	6	6	6	7	7	7
35°	5	5	5	5	6	6	6	7	7	8	8



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	5	5	6	6	6	6	7	7	8	9	9
32.5°	5	6	6	6	7	7	8	8	9	10	12
31.25°	5	6	6	7	7	8	8	9	11	12	14
30°	6	6	7	7	8	8	9	11	13	14	18
28.75°	6	6	7	8	8	10	11	13	15	19	22
27.5°	6	7	8	8	9	11	13	16	19	23	27
26.25°	7	7	8	9	11	13	16	20	24	28	35
25°	7	8	9	11	13	15	19	24	29	36	43
23.75°	8	9	10	12	14	19	23	28	36	44	51
22.5°	8	9	12	14	18	22	27	35	43	51	60
21.25°	9	11	13	16	21	26	33	42	50	60	69
20°	10	12	14	19	24	31	40	48	58	68	78
18.75°	11	13	17	22	27	37	46	55	65	76	90
17.5°	12	15	20	25	33	42	52	62	72	86	113
16.25°	13	17	22	28	38	47	58	69	81	104	150
15°	14	19	24	33	42	53	64	75	92	129	196
13.75°	16	21	27	37	47	58	69	83	110	167	251
12.5°	17	23	30	41	51	63	74	93	134	210	311
11.25°	19	25	34	44	56	67	81	108	165	255	369
10°	21	26	37	48	59	71	87	122	198	303	431
8.75°	22	29	40	51	63	75	97	146	233	348	486
7.5°	23	31	42	54	66	80	107	167	264	391	540
6.25°	24	33	44	56	68	84	115	187	296	431	587
5°	25	35	46	58	71	87	125	208	323	464	625
3.75°	26	36	47	60	72	90	136	224	344	490	657
2.5°	26	37	48	61	73	94	144	236	360	511	680
1.25°	26	38	49	61	74	96	149	243	369	523	694
0°	27	38	49	62	74	97	151	245	372	527	699
-1.25°	26	38	49	61	74	96	149	243	369	523	694
-2.5°	26	37	48	61	73	94	144	236	360	511	680
-3.75°	26	36	47	60	72	90	136	224	344	490	657
-5°	25	35	46	58	71	87	125	208	323	464	625
-6.25°	24	33	44	56	68	84	115	187	296	431	587
-7.5°	23	31	42	54	66	80	107	167	264	391	540
-8.75°	22	29	40	51	63	75	97	146	233	348	486
-10°	21	26	37	48	59	71	87	122	198	303	431
-11.25°	19	25	34	44	56	67	81	108	165	255	369
-12.5°	17	23	30	41	51	63	74	93	134	210	311
-13.75°	16	21	27	37	47	58	69	83	110	167	251
-15°	14	19	24	33	42	53	64	75	92	129	196
-16.25°	13	17	22	28	38	47	58	69	81	104	150
-17.5°	12	15	20	25	33	42	52	62	72	86	113
-18.75°	11	13	17	22	27	37	46	55	65	76	90
-20°	10	12	14	19	24	31	40	48	58	68	78
-21.25°	9	11	13	16	21	26	33	42	50	60	69



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	8	9	12	14	18	22	27	35	43	51	60
-23.75°	8	9	10	12	14	19	23	28	36	44	51
-25°	7	8	9	11	13	15	19	24	29	36	43
-26.25°	7	7	8	9	11	13	16	20	24	28	35
-27.5°	6	7	8	8	9	11	13	16	19	23	27
-28.75°	6	6	7	8	8	10	11	13	15	19	22
-30°	6	6	7	7	8	8	9	11	13	14	18
-31.25°	5	6	6	7	7	8	8	9	11	12	14
-32.5°	5	6	6	6	7	7	8	8	9	10	12
-33.75°	5	5	6	6	6	6	7	7	8	9	9
-35°	5	5	5	5	6	6	6	7	7	8	8
-36.25°	5	5	5	5	5	6	6	6	7	7	7
-37.5°	5	5	5	5	5	5	6	6	6	6	7
-38.75°	4	5	5	5	5	5	5	5	6	6	6
-40°	4	4	5	5	5	5	5	5	5	6	6
-41.25°	4	4	4	4	5	5	5	5	5	5	5
-42.5°	4	4	4	4	4	5	5	5	5	5	5
-43.75°	4	4	4	4	4	4	4	5	5	5	5
-45°	3	4	4	4	4	4	4	4	4	5	5
-46.25°	3	3	4	4	4	4	4	4	4	4	4
-47.5°	3	3	3	3	4	4	4	4	4	4	4
-48.75°	3	3	3	3	3	3	4	4	4	4	4
-50°	3	3	3	3	3	3	3	3	4	4	4
-51.25°	2	3	3	3	3	3	3	3	3	3	3
-52.5°	2	2	2	3	3	3	3	3	3	3	3
-53.75°	2	2	2	2	2	3	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	2
-57.5°	1	1	2	2	2	2	2	2	2	2	2
-58.75°	1	1	1	1	2	2	2	2	2	2	2
-60°	1	1	1	1	1	1	1	1	2	2	2
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	0	0	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	0	0	0	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	11	12	13	15	17	19	21	23	25	26	29
32.5°	13	14	17	20	22	24	27	30	34	37	40
31.25°	16	19	22	25	28	33	37	41	44	48	51
30°	21	24	27	33	38	42	47	51	56	59	63
28.75°	26	31	37	42	47	53	58	63	67	71	75
27.5°	33	40	46	52	58	64	69	74	81	87	97
26.25°	42	48	55	62	69	75	83	93	108	122	146
25°	50	58	65	72	81	92	110	134	165	198	233
23.75°	60	68	76	86	104	129	167	210	255	303	348
22.5°	69	78	90	113	150	196	251	311	369	431	486
21.25°	79	93	118	165	222	287	357	432	504	576	642
20°	93	121	172	238	313	394	480	568	652	732	804
18.75°	118	172	243	326	418	515	614	712	803	886	959
17.5°	165	238	326	426	533	643	753	855	947	1030	1107
16.25°	222	313	418	533	653	773	886	988	1084	1174	1259
15°	287	394	515	643	773	897	1009	1117	1221	1320	1407
13.75°	357	480	614	753	886	1009	1128	1245	1355	1457	1556
12.5°	432	568	712	855	988	1117	1245	1368	1484	1598	1694
11.25°	504	652	803	947	1084	1221	1355	1484	1611	1721	1822
10°	576	732	886	1030	1174	1320	1457	1598	1721	1836	1936
8.75°	642	804	959	1107	1259	1407	1556	1694	1822	1936	2036
7.5°	702	867	1022	1176	1334	1487	1641	1780	1909	2023	2124
6.25°	755	920	1077	1238	1398	1561	1712	1855	1983	2097	2201
5°	797	963	1124	1290	1451	1619	1771	1914	2042	2159	2266
3.75°	831	997	1161	1330	1497	1664	1819	1962	2089	2208	2315
2.5°	855	1021	1188	1359	1530	1696	1853	1994	2123	2243	2352
1.25°	870	1036	1204	1376	1550	1716	1872	2014	2144	2265	2373
0°	874	1041	1210	1382	1557	1722	1879	2020	2151	2273	2380
-1.25°	870	1036	1204	1376	1550	1716	1872	2014	2144	2265	2373
-2.5°	855	1021	1188	1359	1530	1696	1853	1994	2123	2243	2352
-3.75°	831	997	1161	1330	1497	1664	1819	1962	2089	2208	2315
-5°	797	963	1124	1290	1451	1619	1771	1914	2042	2159	2266
-6.25°	755	920	1077	1238	1398	1561	1712	1855	1983	2097	2201
-7.5°	702	867	1022	1176	1334	1487	1641	1780	1909	2023	2124
-8.75°	642	804	959	1107	1259	1407	1556	1694	1822	1936	2036
-10°	576	732	886	1030	1174	1320	1457	1598	1721	1836	1936
-11.25°	504	652	803	947	1084	1221	1355	1484	1611	1721	1822
-12.5°	432	568	712	855	988	1117	1245	1368	1484	1598	1694
-13.75°	357	480	614	753	886	1009	1128	1245	1355	1457	1556
-15°	287	394	515	643	773	897	1009	1117	1221	1320	1407
-16.25°	222	313	418	533	653	773	886	988	1084	1174	1259
-17.5°	165	238	326	426	533	643	753	855	947	1030	1107
-18.75°	118	172	243	326	418	515	614	712	803	886	959
-20°	93	121	172	238	313	394	480	568	652	732	804
-21.25°	79	93	118	165	222	287	357	432	504	576	642



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	69	78	90	113	150	196	251	311	369	431	486
-23.75°	60	68	76	86	104	129	167	210	255	303	348
-25°	50	58	65	72	81	92	110	134	165	198	233
-26.25°	42	48	55	62	69	75	83	93	108	122	146
-27.5°	33	40	46	52	58	64	69	74	81	87	97
-28.75°	26	31	37	42	47	53	58	63	67	71	75
-30°	21	24	27	33	38	42	47	51	56	59	63
-31.25°	16	19	22	25	28	33	37	41	44	48	51
-32.5°	13	14	17	20	22	24	27	30	34	37	40
-33.75°	11	12	13	15	17	19	21	23	25	26	29
-35°	9	10	11	12	13	14	16	17	19	21	22
-36.25°	8	8	9	10	11	12	13	13	14	15	16
-37.5°	7	7	8	8	9	9	10	11	11	12	13
-38.75°	6	7	7	7	8	8	8	9	9	9	10
-40°	6	6	6	7	7	7	7	8	8	8	8
-41.25°	5	6	6	6	6	6	7	7	7	7	7
-42.5°	5	5	5	6	6	6	6	6	6	6	6
-43.75°	5	5	5	5	5	5	6	6	6	6	6
-45°	5	5	5	5	5	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	4	4	4	5	5	5	5	5	5	5	5
-48.75°	4	4	4	4	4	4	4	5	5	5	5
-50°	4	4	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	3	4	4	4	4	4	4	4
-53.75°	3	3	3	3	3	3	3	3	3	4	4
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	2	2	2	2	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	1	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	2	2	2	2
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	4
51.25°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	5	4	4	4	4
48.75°	5	5	5	5	5	5	5	5	5	5	5
47.5°	5	5	5	5	5	5	5	5	5	5	5
46.25°	5	5	5	5	5	5	5	5	5	5	5
45°	6	6	6	6	6	6	6	6	6	6	6
43.75°	6	6	6	6	6	6	6	6	6	6	6
42.5°	7	7	7	7	7	7	7	7	7	7	7
41.25°	7	8	8	8	8	8	8	8	8	8	8
40°	8	9	9	9	9	9	9	9	9	9	9
38.75°	10	11	11	11	12	12	12	12	12	11	11
37.5°	13	14	14	14	14	15	15	15	14	14	14
36.25°	17	18	19	20	20	20	21	20	20	20	19
35°	23	24	25	26	26	26	27	26	26	26	25



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	31	33	35	36	37	38	38	38	37	36	35
32.5°	42	44	46	47	48	49	49	49	48	47	46
31.25°	54	56	58	60	61	61	62	61	61	60	58
30°	66	68	71	72	73	74	74	74	73	72	71
28.75°	80	84	87	90	94	96	97	96	94	90	87
27.5°	107	115	125	136	144	149	151	149	144	136	125
26.25°	167	187	208	224	236	243	245	243	236	224	208
25°	264	296	323	344	360	369	372	369	360	344	323
23.75°	391	431	464	490	511	523	527	523	511	490	464
22.5°	540	587	625	657	680	694	699	694	680	657	625
21.25°	702	755	797	831	855	870	874	870	855	831	797
20°	867	920	963	997	1021	1036	1041	1036	1021	997	963
18.75°	1022	1077	1124	1161	1188	1204	1210	1204	1188	1161	1124
17.5°	1176	1238	1290	1330	1359	1376	1382	1376	1359	1330	1290
16.25°	1334	1398	1451	1497	1530	1550	1557	1550	1530	1497	1451
15°	1487	1561	1619	1664	1696	1716	1722	1716	1696	1664	1619
13.75°	1641	1712	1771	1819	1853	1872	1879	1872	1853	1819	1771
12.5°	1780	1855	1914	1962	1994	2014	2020	2014	1994	1962	1914
11.25°	1909	1983	2042	2089	2123	2144	2151	2144	2123	2089	2042
10°	2023	2097	2159	2208	2243	2265	2273	2265	2243	2208	2159
8.75°	2124	2201	2266	2315	2352	2373	2380	2373	2352	2315	2266
7.5°	2216	2294	2360	2410	2447	2468	2476	2468	2447	2410	2360
6.25°	2294	2374	2441	2491	2526	2545	2552	2545	2526	2491	2441
5°	2360	2441	2506	2552	2583	2602	2608	2602	2583	2552	2506
3.75°	2410	2491	2552	2595	2624	2640	2643	2640	2624	2595	2552
2.5°	2447	2526	2583	2624	2646	2655	2658	2655	2646	2624	2583
1.25°	2468	2545	2602	2640	2655	2663	2667	2663	2655	2640	2602
0°	2476	2552	2608	2643	2658	2667	2676	2667	2658	2643	2608
-1.25°	2468	2545	2602	2640	2655	2663	2667	2663	2655	2640	2602
-2.5°	2447	2526	2583	2624	2646	2655	2658	2655	2646	2624	2583
-3.75°	2410	2491	2552	2595	2624	2640	2643	2640	2624	2595	2552
-5°	2360	2441	2506	2552	2583	2602	2608	2602	2583	2552	2506
-6.25°	2294	2374	2441	2491	2526	2545	2552	2545	2526	2491	2441
-7.5°	2216	2294	2360	2410	2447	2468	2476	2468	2447	2410	2360
-8.75°	2124	2201	2266	2315	2352	2373	2380	2373	2352	2315	2266
-10°	2023	2097	2159	2208	2243	2265	2273	2265	2243	2208	2159
-11.25°	1909	1983	2042	2089	2123	2144	2151	2144	2123	2089	2042
-12.5°	1780	1855	1914	1962	1994	2014	2020	2014	1994	1962	1914
-13.75°	1641	1712	1771	1819	1853	1872	1879	1872	1853	1819	1771
-15°	1487	1561	1619	1664	1696	1716	1722	1716	1696	1664	1619
-16.25°	1334	1398	1451	1497	1530	1550	1557	1550	1530	1497	1451
-17.5°	1176	1238	1290	1330	1359	1376	1382	1376	1359	1330	1290
-18.75°	1022	1077	1124	1161	1188	1204	1210	1204	1188	1161	1124
-20°	867	920	963	997	1021	1036	1041	1036	1021	997	963
-21.25°	702	755	797	831	855	870	874	870	855	831	797



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	540	587	625	657	680	694	699	694	680	657	625
-23.75°	391	431	464	490	511	523	527	523	511	490	464
-25°	264	296	323	344	360	369	372	369	360	344	323
-26.25°	167	187	208	224	236	243	245	243	236	224	208
-27.5°	107	115	125	136	144	149	151	149	144	136	125
-28.75°	80	84	87	90	94	96	97	96	94	90	87
-30°	66	68	71	72	73	74	74	74	73	72	71
-31.25°	54	56	58	60	61	61	62	61	61	60	58
-32.5°	42	44	46	47	48	49	49	49	48	47	46
-33.75°	31	33	35	36	37	38	38	38	37	36	35
-35°	23	24	25	26	26	26	27	26	26	26	25
-36.25°	17	18	19	20	20	20	21	20	20	20	19
-37.5°	13	14	14	14	14	15	15	15	14	14	14
-38.75°	10	11	11	11	12	12	12	12	12	11	11
-40°	8	9	9	9	9	9	9	9	9	9	9
-41.25°	7	8	8	8	8	8	8	8	8	8	8
-42.5°	7	7	7	7	7	7	7	7	7	7	7
-43.75°	6	6	6	6	6	6	6	6	6	6	6
-45°	6	6	6	6	6	6	6	6	6	6	6
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-48.75°	5	5	5	5	5	5	5	5	5	5	5
-50°	4	4	4	4	4	4	5	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-53.75°	4	4	4	4	4	4	4	4	4	4	4
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	2	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	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: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	33	31	29	26	25	23	21	19	17	15	13
32.5°	44	42	40	37	34	30	27	24	22	20	17
31.25°	56	54	51	48	44	41	37	33	28	25	22
30°	68	66	63	59	56	51	47	42	38	33	27
28.75°	84	80	75	71	67	63	58	53	47	42	37
27.5°	115	107	97	87	81	74	69	64	58	52	46
26.25°	187	167	146	122	108	93	83	75	69	62	55
25°	296	264	233	198	165	134	110	92	81	72	65
23.75°	431	391	348	303	255	210	167	129	104	86	76
22.5°	587	540	486	431	369	311	251	196	150	113	90
21.25°	755	702	642	576	504	432	357	287	222	165	118
20°	920	867	804	732	652	568	480	394	313	238	172
18.75°	1077	1022	959	886	803	712	614	515	418	326	243
17.5°	1238	1176	1107	1030	947	855	753	643	533	426	326
16.25°	1398	1334	1259	1174	1084	988	886	773	653	533	418
15°	1561	1487	1407	1320	1221	1117	1009	897	773	643	515
13.75°	1712	1641	1556	1457	1355	1245	1128	1009	886	753	614
12.5°	1855	1780	1694	1598	1484	1368	1245	1117	988	855	712
11.25°	1983	1909	1822	1721	1611	1484	1355	1221	1084	947	803
10°	2097	2023	1936	1836	1721	1598	1457	1320	1174	1030	886
8.75°	2201	2124	2036	1936	1822	1694	1556	1407	1259	1107	959
7.5°	2294	2216	2124	2023	1909	1780	1641	1487	1334	1176	1022
6.25°	2374	2294	2201	2097	1983	1855	1712	1561	1398	1238	1077
5°	2441	2360	2266	2159	2042	1914	1771	1619	1451	1290	1124
3.75°	2491	2410	2315	2208	2089	1962	1819	1664	1497	1330	1161
2.5°	2526	2447	2352	2243	2123	1994	1853	1696	1530	1359	1188
1.25°	2545	2468	2373	2265	2144	2014	1872	1716	1550	1376	1204
0°	2552	2476	2380	2273	2151	2020	1879	1722	1557	1382	1210
-1.25°	2545	2468	2373	2265	2144	2014	1872	1716	1550	1376	1204
-2.5°	2526	2447	2352	2243	2123	1994	1853	1696	1530	1359	1188
-3.75°	2491	2410	2315	2208	2089	1962	1819	1664	1497	1330	1161
-5°	2441	2360	2266	2159	2042	1914	1771	1619	1451	1290	1124
-6.25°	2374	2294	2201	2097	1983	1855	1712	1561	1398	1238	1077
-7.5°	2294	2216	2124	2023	1909	1780	1641	1487	1334	1176	1022
-8.75°	2201	2124	2036	1936	1822	1694	1556	1407	1259	1107	959
-10°	2097	2023	1936	1836	1721	1598	1457	1320	1174	1030	886
-11.25°	1983	1909	1822	1721	1611	1484	1355	1221	1084	947	803
-12.5°	1855	1780	1694	1598	1484	1368	1245	1117	988	855	712
-13.75°	1712	1641	1556	1457	1355	1245	1128	1009	886	753	614
-15°	1561	1487	1407	1320	1221	1117	1009	897	773	643	515
-16.25°	1398	1334	1259	1174	1084	988	886	773	653	533	418
-17.5°	1238	1176	1107	1030	947	855	753	643	533	426	326
-18.75°	1077	1022	959	886	803	712	614	515	418	326	243
-20°	920	867	804	732	652	568	480	394	313	238	172
-21.25°	755	702	642	576	504	432	357	287	222	165	118



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	587	540	486	431	369	311	251	196	150	113	90
-23.75°	431	391	348	303	255	210	167	129	104	86	76
-25°	296	264	233	198	165	134	110	92	81	72	65
-26.25°	187	167	146	122	108	93	83	75	69	62	55
-27.5°	115	107	97	87	81	74	69	64	58	52	46
-28.75°	84	80	75	71	67	63	58	53	47	42	37
-30°	68	66	63	59	56	51	47	42	38	33	27
-31.25°	56	54	51	48	44	41	37	33	28	25	22
-32.5°	44	42	40	37	34	30	27	24	22	20	17
-33.75°	33	31	29	26	25	23	21	19	17	15	13
-35°	24	23	22	21	19	17	16	14	13	12	11
-36.25°	18	17	16	15	14	13	13	12	11	10	9
-37.5°	14	13	13	12	11	11	10	9	9	8	8
-38.75°	11	10	10	9	9	9	8	8	8	7	7
-40°	9	8	8	8	8	8	7	7	7	7	6
-41.25°	8	7	7	7	7	7	7	6	6	6	6
-42.5°	7	7	6	6	6	6	6	6	6	6	5
-43.75°	6	6	6	6	6	6	6	5	5	5	5
-45°	6	6	5	5	5	5	5	5	5	5	5
-46.25°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	5	4
-48.75°	5	5	5	5	5	5	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-51.25°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	3	3
-53.75°	4	4	4	4	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	2	2
-58.75°	3	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	0	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	0	0
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	2	1	1	1	1	1	1	1	1	1	1
60°	2	2	2	2	2	1	1	1	1	1	1
58.75°	2	2	2	2	2	2	2	2	2	1	1
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	3	3	2	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	2	2	2	2	2	2
53.75°	3	3	3	3	3	3	3	3	2	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	2
51.25°	4	4	3	3	3	3	3	3	3	3	3
50°	4	4	4	4	4	3	3	3	3	3	3
48.75°	4	4	4	4	4	4	4	3	3	3	3
47.5°	4	4	4	4	4	4	4	4	4	3	3
46.25°	5	5	4	4	4	4	4	4	4	4	4
45°	5	5	5	5	4	4	4	4	4	4	4
43.75°	5	5	5	5	5	5	4	4	4	4	4
42.5°	5	5	5	5	5	5	5	5	4	4	4
41.25°	6	5	5	5	5	5	5	5	5	4	4
40°	6	6	6	6	5	5	5	5	5	5	5
38.75°	7	6	6	6	6	5	5	5	5	5	5
37.5°	7	7	7	6	6	6	6	5	5	5	5
36.25°	8	8	7	7	7	6	6	6	5	5	5
35°	10	9	8	8	7	7	6	6	6	5	5



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	12	11	9	9	8	7	7	6	6	6	6
32.5°	14	13	12	10	9	8	8	7	7	6	6
31.25°	19	16	14	12	11	9	8	8	7	7	6
30°	24	21	18	14	13	11	9	8	8	7	7
28.75°	31	26	22	19	15	13	11	10	8	8	7
27.5°	40	33	27	23	19	16	13	11	9	8	8
26.25°	48	42	35	28	24	20	16	13	11	9	8
25°	58	50	43	36	29	24	19	15	13	11	9
23.75°	68	60	51	44	36	28	23	19	14	12	10
22.5°	78	69	60	51	43	35	27	22	18	14	12
21.25°	93	79	69	60	50	42	33	26	21	16	13
20°	121	93	78	68	58	48	40	31	24	19	14
18.75°	172	118	90	76	65	55	46	37	27	22	17
17.5°	238	165	113	86	72	62	52	42	33	25	20
16.25°	313	222	150	104	81	69	58	47	38	28	22
15°	394	287	196	129	92	75	64	53	42	33	24
13.75°	480	357	251	167	110	83	69	58	47	37	27
12.5°	568	432	311	210	134	93	74	63	51	41	30
11.25°	652	504	369	255	165	108	81	67	56	44	34
10°	732	576	431	303	198	122	87	71	59	48	37
8.75°	804	642	486	348	233	146	97	75	63	51	40
7.5°	867	702	540	391	264	167	107	80	66	54	42
6.25°	920	755	587	431	296	187	115	84	68	56	44
5°	963	797	625	464	323	208	125	87	71	58	46
3.75°	997	831	657	490	344	224	136	90	72	60	47
2.5°	1021	855	680	511	360	236	144	94	73	61	48
1.25°	1036	870	694	523	369	243	149	96	74	61	49
0°	1041	874	699	527	372	245	151	97	74	62	49
-1.25°	1036	870	694	523	369	243	149	96	74	61	49
-2.5°	1021	855	680	511	360	236	144	94	73	61	48
-3.75°	997	831	657	490	344	224	136	90	72	60	47
-5°	963	797	625	464	323	208	125	87	71	58	46
-6.25°	920	755	587	431	296	187	115	84	68	56	44
-7.5°	867	702	540	391	264	167	107	80	66	54	42
-8.75°	804	642	486	348	233	146	97	75	63	51	40
-10°	732	576	431	303	198	122	87	71	59	48	37
-11.25°	652	504	369	255	165	108	81	67	56	44	34
-12.5°	568	432	311	210	134	93	74	63	51	41	30
-13.75°	480	357	251	167	110	83	69	58	47	37	27
-15°	394	287	196	129	92	75	64	53	42	33	24
-16.25°	313	222	150	104	81	69	58	47	38	28	22
-17.5°	238	165	113	86	72	62	52	42	33	25	20
-18.75°	172	118	90	76	65	55	46	37	27	22	17
-20°	121	93	78	68	58	48	40	31	24	19	14
-21.25°	93	79	69	60	50	42	33	26	21	16	13



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	78	69	60	51	43	35	27	22	18	14	12
-23.75°	68	60	51	44	36	28	23	19	14	12	10
-25°	58	50	43	36	29	24	19	15	13	11	9
-26.25°	48	42	35	28	24	20	16	13	11	9	8
-27.5°	40	33	27	23	19	16	13	11	9	8	8
-28.75°	31	26	22	19	15	13	11	10	8	8	7
-30°	24	21	18	14	13	11	9	8	8	7	7
-31.25°	19	16	14	12	11	9	8	8	7	7	6
-32.5°	14	13	12	10	9	8	8	7	7	6	6
-33.75°	12	11	9	9	8	7	7	6	6	6	6
-35°	10	9	8	8	7	7	6	6	6	5	5
-36.25°	8	8	7	7	7	6	6	6	5	5	5
-37.5°	7	7	7	6	6	6	6	5	5	5	5
-38.75°	7	6	6	6	6	5	5	5	5	5	5
-40°	6	6	6	6	5	5	5	5	5	5	5
-41.25°	6	5	5	5	5	5	5	5	5	4	4
-42.5°	5	5	5	5	5	5	5	5	4	4	4
-43.75°	5	5	5	5	5	5	4	4	4	4	4
-45°	5	5	5	5	4	4	4	4	4	4	4
-46.25°	5	5	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	3	3
-48.75°	4	4	4	4	4	4	4	3	3	3	3
-50°	4	4	4	4	4	3	3	3	3	3	3
-51.25°	4	4	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	2
-53.75°	3	3	3	3	3	3	3	3	2	2	2
-55°	3	3	3	3	3	2	2	2	2	2	2
-56.25°	3	3	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	1	1
-60°	2	2	2	2	2	1	1	1	1	1	1
-61.25°	2	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	0	0
-71.25°	1	1	1	1	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	0	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	0	0	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	0	0	0
65°	1	1	1	1	1	1	1	1	1	1	0
63.75°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
58.75°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
56.25°	2	2	1	1	1	1	1	1	1	1	1
55°	2	2	2	2	1	1	1	1	1	1	1
53.75°	2	2	2	2	2	2	1	1	1	1	1
52.5°	2	2	2	2	2	2	2	2	1	1	1
51.25°	3	2	2	2	2	2	2	2	2	1	1
50°	3	3	3	2	2	2	2	2	2	2	1
48.75°	3	3	3	3	2	2	2	2	2	2	2
47.5°	3	3	3	3	3	3	2	2	2	2	2
46.25°	3	3	3	3	3	3	3	2	2	2	2
45°	4	3	3	3	3	3	3	3	2	2	2
43.75°	4	4	4	3	3	3	3	3	3	2	2
42.5°	4	4	4	4	3	3	3	3	3	3	2
41.25°	4	4	4	4	4	3	3	3	3	3	3
40°	4	4	4	4	4	4	3	3	3	3	3
38.75°	5	4	4	4	4	4	4	3	3	3	3
37.5°	5	5	4	4	4	4	4	4	3	3	3
36.25°	5	5	5	4	4	4	4	4	4	3	3
35°	5	5	5	5	4	4	4	4	4	3	3



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	5	5	5	5	5	4	4	4	4	4	3
32.5°	6	5	5	5	5	5	4	4	4	4	4
31.25°	6	5	5	5	5	5	4	4	4	4	4
30°	6	6	5	5	5	5	5	4	4	4	4
28.75°	6	6	6	5	5	5	5	5	4	4	4
27.5°	7	6	6	6	5	5	5	5	4	4	4
26.25°	7	7	6	6	5	5	5	5	5	4	4
25°	8	7	7	6	6	5	5	5	5	4	4
23.75°	9	8	7	6	6	6	5	5	5	5	4
22.5°	9	8	7	7	6	6	5	5	5	5	4
21.25°	11	9	8	7	6	6	5	5	5	5	5
20°	12	10	8	7	7	6	6	5	5	5	5
18.75°	13	11	9	8	7	6	6	5	5	5	5
17.5°	15	12	10	8	7	7	6	6	5	5	5
16.25°	17	13	11	9	8	7	6	6	5	5	5
15°	19	14	12	9	8	7	6	6	5	5	5
13.75°	21	16	13	10	8	7	7	6	6	5	5
12.5°	23	17	13	11	9	8	7	6	6	5	5
11.25°	25	19	14	11	9	8	7	6	6	5	5
10°	26	21	15	12	9	8	7	6	6	5	5
8.75°	29	22	16	13	10	8	7	6	6	5	5
7.5°	31	23	17	13	10	8	7	7	6	6	5
6.25°	33	24	18	14	11	9	8	7	6	6	5
5°	35	25	19	14	11	9	8	7	6	6	5
3.75°	36	26	20	14	11	9	8	7	6	6	5
2.5°	37	26	20	14	12	9	8	7	6	6	5
1.25°	38	26	20	15	12	9	8	7	6	6	5
0°	38	27	21	15	12	9	8	7	6	6	5
-1.25°	38	26	20	15	12	9	8	7	6	6	5
-2.5°	37	26	20	14	12	9	8	7	6	6	5
-3.75°	36	26	20	14	11	9	8	7	6	6	5
-5°	35	25	19	14	11	9	8	7	6	6	5
-6.25°	33	24	18	14	11	9	8	7	6	6	5
-7.5°	31	23	17	13	10	8	7	7	6	6	5
-8.75°	29	22	16	13	10	8	7	6	6	5	5
-10°	26	21	15	12	9	8	7	6	6	5	5
-11.25°	25	19	14	11	9	8	7	6	6	5	5
-12.5°	23	17	13	11	9	8	7	6	6	5	5
-13.75°	21	16	13	10	8	7	7	6	6	5	5
-15°	19	14	12	9	8	7	6	6	5	5	5
-16.25°	17	13	11	9	8	7	6	6	5	5	5
-17.5°	15	12	10	8	7	7	6	6	5	5	5
-18.75°	13	11	9	8	7	6	6	5	5	5	5
-20°	12	10	8	7	7	6	6	5	5	5	5
-21.25°	11	9	8	7	6	6	5	5	5	5	5



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	3	3	3	3	2	2	2	2	1	1	1
32.5°	3	3	3	3	2	2	2	2	2	1	1
31.25°	3	3	3	3	3	2	2	2	2	1	1
30°	4	3	3	3	3	2	2	2	2	2	1
28.75°	4	3	3	3	3	3	2	2	2	2	1
27.5°	4	4	3	3	3	3	2	2	2	2	1
26.25°	4	4	3	3	3	3	2	2	2	2	1
25°	4	4	4	3	3	3	3	2	2	2	2
23.75°	4	4	4	3	3	3	3	2	2	2	2
22.5°	4	4	4	3	3	3	3	2	2	2	2
21.25°	4	4	4	4	3	3	3	3	2	2	2
20°	4	4	4	4	3	3	3	3	2	2	2
18.75°	4	4	4	4	3	3	3	3	2	2	2
17.5°	5	4	4	4	3	3	3	3	2	2	2
16.25°	5	4	4	4	4	3	3	3	3	2	2
15°	5	4	4	4	4	3	3	3	3	2	2
13.75°	5	4	4	4	4	3	3	3	3	2	2
12.5°	5	5	4	4	4	3	3	3	3	2	2
11.25°	5	5	4	4	4	3	3	3	3	2	2
10°	5	5	4	4	4	4	3	3	3	2	2
8.75°	5	5	4	4	4	4	3	3	3	2	2
7.5°	5	5	4	4	4	4	3	3	3	2	2
6.25°	5	5	4	4	4	4	3	3	3	3	2
5°	5	5	4	4	4	4	3	3	3	3	2
3.75°	5	5	4	4	4	4	3	3	3	3	2
2.5°	5	5	4	4	4	4	3	3	3	3	2
1.25°	5	5	4	4	4	4	3	3	3	3	2
0°	5	5	5	4	4	4	3	3	3	3	2
-1.25°	5	5	4	4	4	4	3	3	3	3	2
-2.5°	5	5	4	4	4	4	3	3	3	3	2
-3.75°	5	5	4	4	4	4	3	3	3	3	2
-5°	5	5	4	4	4	4	3	3	3	3	2
-6.25°	5	5	4	4	4	4	3	3	3	3	2
-7.5°	5	5	4	4	4	4	3	3	3	2	2
-8.75°	5	5	4	4	4	4	3	3	3	2	2
-10°	5	5	4	4	4	4	3	3	3	2	2
-11.25°	5	5	4	4	4	3	3	3	3	2	2
-12.5°	5	5	4	4	4	3	3	3	3	2	2
-13.75°	5	4	4	4	4	3	3	3	3	2	2
-15°	5	4	4	4	4	3	3	3	3	2	2
-16.25°	5	4	4	4	4	3	3	3	3	2	2
-17.5°	5	4	4	4	3	3	3	3	2	2	2
-18.75°	4	4	4	4	3	3	3	3	2	2	2
-20°	4	4	4	4	3	3	3	3	2	2	2
-21.25°	4	4	4	4	3	3	3	3	2	2	2



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
31.25°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
28.75°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
26.25°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
23.75°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
21.25°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
18.75°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
16.25°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
13.75°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
11.25°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
8.75°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
6.25°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
3.75°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
1.25°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-1.25°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-3.75°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-6.25°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-8.75°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-11.25°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-13.75°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-16.25°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-18.75°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0
-21.25°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	0	0	0	0	0	0	0	0	0	0	0
-23.75°	0	0	0	0	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-26.25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-28.75°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-31.25°	0	0	0	0	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-33.75°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-36.25°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-38.75°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-41.25°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-43.75°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-46.25°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-48.75°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-51.25°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-53.75°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-56.25°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-58.75°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-61.25°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-63.75°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-66.25°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-68.75°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)