

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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3090-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
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]-FL-LED3090-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

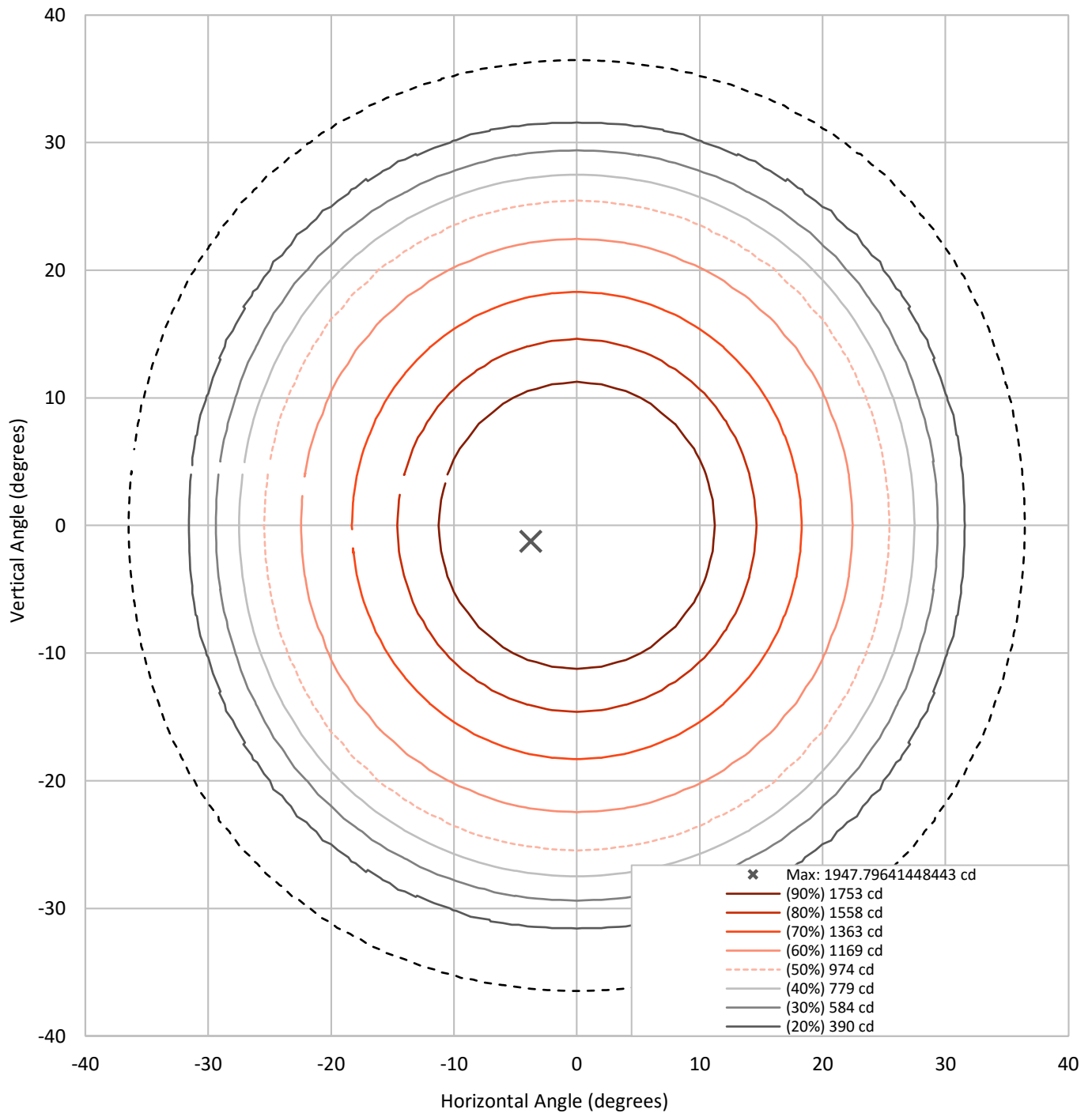
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1299.8 lumens	Max Intensity:	1947.8 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	64.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	51°H x 50.5°V	Field Angle (10%):	72.9°H x 72.6°V
Beam Lumens:	875.4 lumens	Field Lumens:	1167.7 lumens
Beam Efficiency:	67.4%	Field Efficiency:	89.8%
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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L2-UNV

Iso-Candela Plot





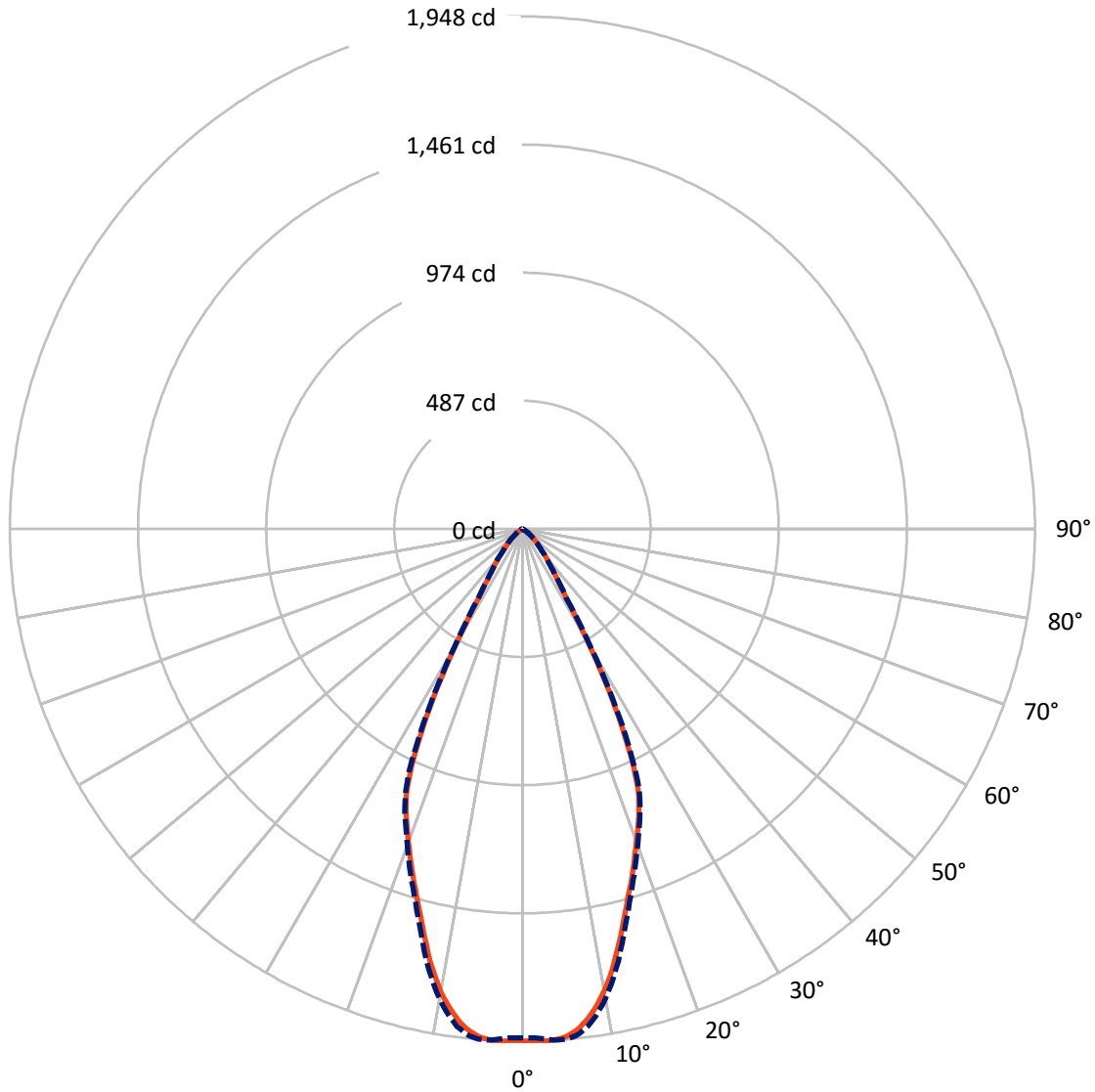
REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-BK-L2-UNV

Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0							
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0							
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0					
60		0.0	0.0	0.1	0.1	0.3	0.5	0.7	0.7	0.5	0.3	0.1	0.1		0.0	0.0			
50	0.0	0.0	0.1	0.1	0.6	1.4	2.1	2.5	2.5	2.1	1.4	0.6	0.1	0.1	0.0	0.0			
40		0.0	0.1	0.6	1.6	3.1	5.3	7.4	7.4	5.3	3.1	1.6	0.6	0.1	0.0				
30	0.0	0.0	0.2	1.1	2.8	7.3	18.7	28.0	28.0	18.7	7.3	2.8	1.1	0.2	0.0	0.0			
20		0.0	0.3	1.5	4.5	17.7	35.8	45.0	45.0	35.8	17.7	4.5	1.5	0.3	0.0				
10	0.0	0.0	0.4	1.8	6.2	25.6	43.7	56.7	56.7	43.7	25.6	6.2	1.8	0.4	0.0	0.0			
0		0.0	0.4	1.8	6.2	25.6	43.7	56.7	56.7	43.7	25.6	6.2	1.8	0.4	0.0				
-10	0.0	0.0	0.3	1.5	4.5	17.7	35.8	45.0	45.0	35.8	17.7	4.5	1.5	0.3	0.0	0.0			
-20		0.0	0.2	1.1	2.8	7.3	18.7	28.0	28.0	18.7	7.3	2.8	1.1	0.2	0.0				
-30	0.0	0.0	0.1	0.6	1.6	3.1	5.3	7.4	7.4	5.3	3.1	1.6	0.6	0.1	0.0	0.0			
-40		0.0	0.1	0.1	0.6	1.4	2.1	2.5	2.5	2.1	1.4	0.6	0.1	0.1	0.0				
-50	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.7	0.7	0.5	0.3	0.1	0.1	0.0	0.0	0.0			
-60		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0				
-70																			
-80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0							
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
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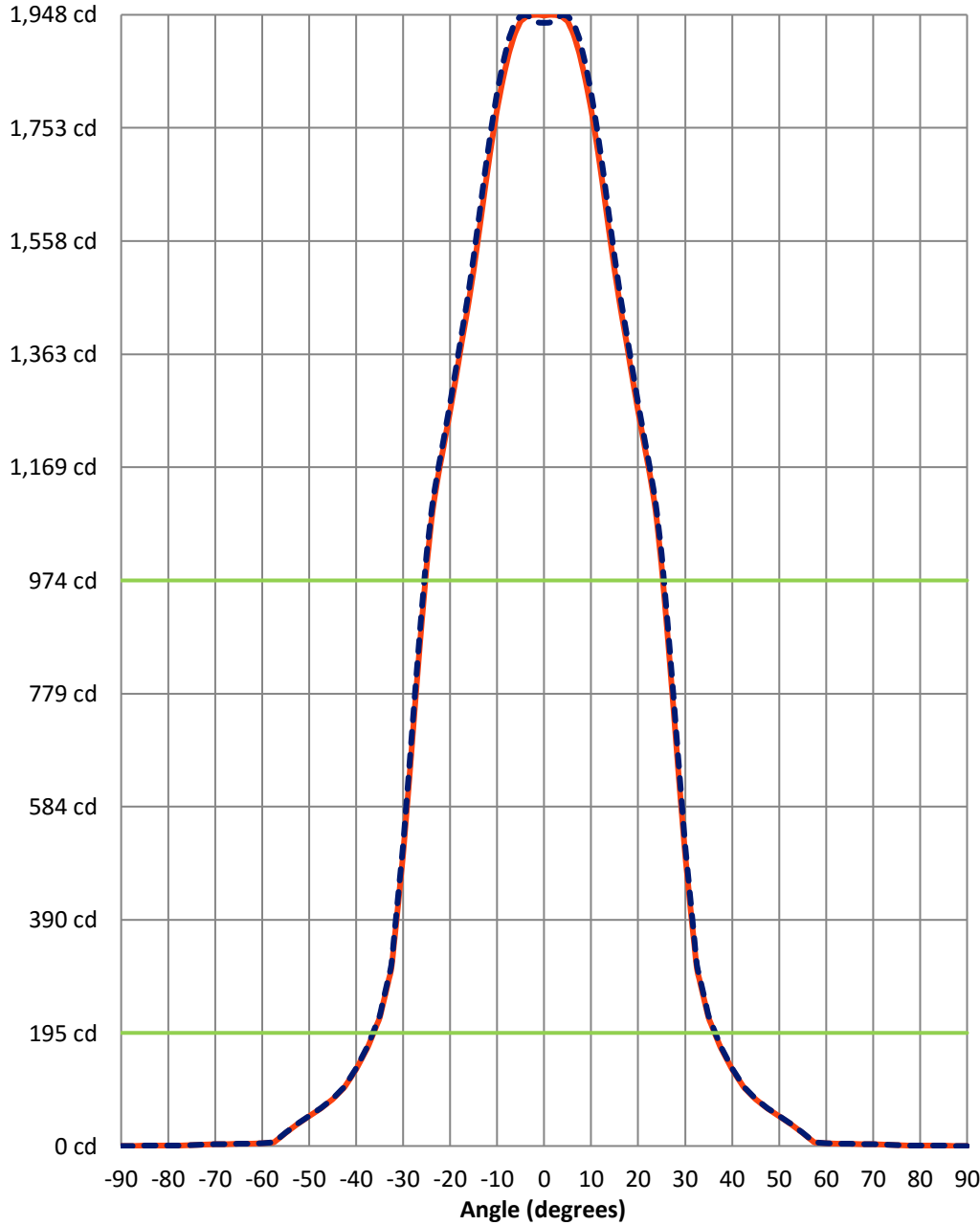
Luminous Intensity Polar Plot



— Vertical Distribution Through -3.75-Deg - - - Horizontal Distribution Through -1.25-Deg

REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 50.5°
 Lumens: 875.4
 Efficiency: 67.4%

Field:
 H Angle: 72.9°
 V Angle: 72.6°
 Lumens: 1167.7
 Efficiency: 89.8%

Spill:
 Lumens: 132.1
 Efficiency: 10.2%

— Vertical Distribution through -3.75-Deg
 - - Horizontal Distribution through -1.25-Deg



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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	1
68.75°	0	0	0	0	0	0	0	0	0	0	1
67.5°	0	0	0	0	0	0	0	0	0	1	1
66.25°	0	0	0	0	0	0	0	0	0	1	1
65°	0	0	0	0	0	0	0	0	1	1	1
63.75°	0	0	0	0	0	0	0	0	1	1	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	0	1	1	1	1
58.75°	0	0	0	0	0	0	0	1	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
56.25°	0	0	0	0	0	0	1	1	1	1	1
55°	0	0	0	0	0	0	1	1	1	1	1
53.75°	0	0	0	0	0	0	1	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
51.25°	0	0	0	0	0	0	1	1	1	1	1
50°	0	0	0	0	0	0	1	1	1	1	1
48.75°	0	0	0	0	0	1	1	1	1	1	1
47.5°	0	0	0	0	0	1	1	1	1	1	1
46.25°	0	0	0	0	0	1	1	1	1	1	1
45°	0	0	0	0	0	1	1	1	1	1	1
43.75°	0	0	0	0	0	1	1	1	1	1	1
42.5°	0	0	0	0	0	1	1	1	1	1	1
41.25°	0	0	0	0	0	1	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	1
38.75°	0	0	0	0	0	1	1	1	1	1	1
37.5°	0	0	0	0	0	1	1	1	1	1	1
36.25°	0	0	0	0	0	1	1	1	1	1	1
35°	0	0	0	0	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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	1	1	1	1	1	1	1
32.5°	0	0	0	0	1	1	1	1	1	1	1
31.25°	0	0	0	0	1	1	1	1	1	1	1
30°	0	0	0	0	1	1	1	1	1	1	1
28.75°	0	0	0	0	1	1	1	1	1	1	1
27.5°	0	0	0	0	1	1	1	1	1	1	1
26.25°	0	0	0	0	1	1	1	1	1	1	1
25°	0	0	0	0	1	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	0	1	1	1	1	1	1	1
10°	0	0	0	0	1	1	1	1	1	1	1
8.75°	0	0	0	0	1	1	1	1	1	1	1
7.5°	0	0	0	0	1	1	1	1	1	1	1
6.25°	0	0	0	0	1	1	1	1	1	1	1
5°	0	0	0	0	1	1	1	1	1	1	1
3.75°	0	0	0	0	1	1	1	1	1	1	1
2.5°	0	0	0	0	1	1	1	1	1	1	1
1.25°	0	0	0	0	1	1	1	1	1	1	1
0°	0	0	0	0	1	1	1	1	1	1	1
-1.25°	0	0	0	0	1	1	1	1	1	1	1
-2.5°	0	0	0	0	1	1	1	1	1	1	1
-3.75°	0	0	0	0	1	1	1	1	1	1	1
-5°	0	0	0	0	1	1	1	1	1	1	1
-6.25°	0	0	0	0	1	1	1	1	1	1	1
-7.5°	0	0	0	0	1	1	1	1	1	1	1
-8.75°	0	0	0	0	1	1	1	1	1	1	1
-10°	0	0	0	0	1	1	1	1	1	1	1
-11.25°	0	0	0	0	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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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	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	1	1	1	1	1	1	1
-26.25°	0	0	0	0	1	1	1	1	1	1	1
-27.5°	0	0	0	0	1	1	1	1	1	1	1
-28.75°	0	0	0	0	1	1	1	1	1	1	1
-30°	0	0	0	0	1	1	1	1	1	1	1
-31.25°	0	0	0	0	1	1	1	1	1	1	1
-32.5°	0	0	0	0	1	1	1	1	1	1	1
-33.75°	0	0	0	0	1	1	1	1	1	1	1
-35°	0	0	0	0	1	1	1	1	1	1	1
-36.25°	0	0	0	0	0	1	1	1	1	1	1
-37.5°	0	0	0	0	0	1	1	1	1	1	1
-38.75°	0	0	0	0	0	1	1	1	1	1	1
-40°	0	0	0	0	0	1	1	1	1	1	1
-41.25°	0	0	0	0	0	1	1	1	1	1	1
-42.5°	0	0	0	0	0	1	1	1	1	1	1
-43.75°	0	0	0	0	0	1	1	1	1	1	1
-45°	0	0	0	0	0	1	1	1	1	1	1
-46.25°	0	0	0	0	0	1	1	1	1	1	1
-47.5°	0	0	0	0	0	1	1	1	1	1	1
-48.75°	0	0	0	0	0	1	1	1	1	1	1
-50°	0	0	0	0	0	0	1	1	1	1	1
-51.25°	0	0	0	0	0	0	1	1	1	1	1
-52.5°	0	0	0	0	0	0	1	1	1	1	1
-53.75°	0	0	0	0	0	0	1	1	1	1	1
-55°	0	0	0	0	0	0	1	1	1	1	1
-56.25°	0	0	0	0	0	0	1	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-58.75°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	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	1	1	1
-65°	0	0	0	0	0	0	0	0	1	1	1
-66.25°	0	0	0	0	0	0	0	0	0	1	1
-67.5°	0	0	0	0	0	0	0	0	0	1	1
-68.75°	0	0	0	0	0	0	0	0	0	0	1
-70°	0	0	0	0	0	0	0	0	0	0	1
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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	1	1
78.75°	0	0	0	0	0	0	0	1	1	1	1
77.5°	0	0	0	0	0	1	1	1	1	1	1
76.25°	0	0	0	1	1	1	1	1	1	1	1
75°	0	0	1	1	1	1	1	1	1	1	1
73.75°	0	1	1	1	1	1	1	1	1	1	1
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°	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	1	2
53.75°	1	1	1	1	1	1	1	1	1	1	2
52.5°	1	1	1	1	1	1	1	1	1	2	2
51.25°	1	1	1	1	1	1	1	1	1	2	2
50°	1	1	1	1	1	1	1	1	2	2	2
48.75°	1	1	1	1	1	1	1	1	2	2	2
47.5°	1	1	1	1	1	1	1	2	2	2	2
46.25°	1	1	1	1	1	1	1	2	2	2	2
45°	1	1	1	1	1	1	2	2	2	2	3
43.75°	1	1	1	1	1	1	2	2	2	2	3
42.5°	1	1	1	1	1	1	2	2	2	3	3
41.25°	1	1	1	1	1	2	2	2	2	3	3
40°	1	1	1	1	1	2	2	2	3	3	3
38.75°	1	1	1	1	1	2	2	2	3	3	3
37.5°	1	1	1	1	2	2	2	2	3	3	3
36.25°	1	1	1	1	2	2	2	3	3	3	3
35°	1	1	1	1	2	2	2	3	3	3	3



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	2	2	2	3	3	3	3
32.5°	1	1	1	2	2	2	2	3	3	3	3
31.25°	1	1	1	2	2	2	3	3	3	3	3
30°	1	1	1	2	2	2	3	3	3	3	3
28.75°	1	1	1	2	2	2	3	3	3	3	3
27.5°	1	1	1	2	2	2	3	3	3	3	3
26.25°	1	1	1	2	2	3	3	3	3	3	3
25°	1	1	2	2	2	3	3	3	3	3	4
23.75°	1	1	2	2	2	3	3	3	3	3	4
22.5°	1	1	2	2	2	3	3	3	3	3	4
21.25°	1	1	2	2	2	3	3	3	3	3	4
20°	1	1	2	2	2	3	3	3	3	3	4
18.75°	1	1	2	2	2	3	3	3	3	4	4
17.5°	1	1	2	2	3	3	3	3	3	4	4
16.25°	1	1	2	2	3	3	3	3	3	4	4
15°	1	1	2	2	3	3	3	3	3	4	4
13.75°	1	1	2	2	3	3	3	3	3	4	4
12.5°	1	1	2	2	3	3	3	3	3	4	4
11.25°	1	2	2	2	3	3	3	3	3	4	4
10°	1	2	2	2	3	3	3	3	3	4	4
8.75°	1	2	2	2	3	3	3	3	4	4	4
7.5°	1	2	2	2	3	3	3	3	4	4	4
6.25°	1	2	2	2	3	3	3	3	4	4	4
5°	1	2	2	2	3	3	3	3	4	4	4
3.75°	1	2	2	2	3	3	3	3	4	4	4
2.5°	1	2	2	2	3	3	3	3	4	4	4
1.25°	1	2	2	2	3	3	3	3	4	4	4
0°	1	2	2	2	3	3	3	3	4	4	4
-1.25°	1	2	2	2	3	3	3	3	4	4	4
-2.5°	1	2	2	2	3	3	3	3	4	4	4
-3.75°	1	2	2	2	3	3	3	3	4	4	4
-5°	1	2	2	2	3	3	3	3	4	4	4
-6.25°	1	2	2	2	3	3	3	3	4	4	4
-7.5°	1	2	2	2	3	3	3	3	4	4	4
-8.75°	1	2	2	2	3	3	3	3	4	4	4
-10°	1	2	2	2	3	3	3	3	3	4	4
-11.25°	1	2	2	2	3	3	3	3	3	4	4
-12.5°	1	1	2	2	3	3	3	3	3	4	4
-13.75°	1	1	2	2	3	3	3	3	3	4	4
-15°	1	1	2	2	3	3	3	3	3	4	4
-16.25°	1	1	2	2	3	3	3	3	3	4	4
-17.5°	1	1	2	2	3	3	3	3	3	4	4
-18.75°	1	1	2	2	2	3	3	3	3	4	4
-20°	1	1	2	2	2	3	3	3	3	3	4
-21.25°	1	1	2	2	2	3	3	3	3	3	4



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	2	2	2	3	3	3	3	3	4
-23.75°	1	1	2	2	2	3	3	3	3	3	4
-25°	1	1	2	2	2	3	3	3	3	3	4
-26.25°	1	1	1	2	2	3	3	3	3	3	3
-27.5°	1	1	1	2	2	2	3	3	3	3	3
-28.75°	1	1	1	2	2	2	3	3	3	3	3
-30°	1	1	1	2	2	2	3	3	3	3	3
-31.25°	1	1	1	2	2	2	3	3	3	3	3
-32.5°	1	1	1	2	2	2	2	3	3	3	3
-33.75°	1	1	1	1	2	2	2	3	3	3	3
-35°	1	1	1	1	2	2	2	3	3	3	3
-36.25°	1	1	1	1	2	2	2	3	3	3	3
-37.5°	1	1	1	1	2	2	2	2	3	3	3
-38.75°	1	1	1	1	1	2	2	2	3	3	3
-40°	1	1	1	1	1	2	2	2	3	3	3
-41.25°	1	1	1	1	1	2	2	2	2	3	3
-42.5°	1	1	1	1	1	1	2	2	2	3	3
-43.75°	1	1	1	1	1	1	2	2	2	2	3
-45°	1	1	1	1	1	1	2	2	2	2	3
-46.25°	1	1	1	1	1	1	1	2	2	2	2
-47.5°	1	1	1	1	1	1	1	2	2	2	2
-48.75°	1	1	1	1	1	1	1	1	2	2	2
-50°	1	1	1	1	1	1	1	1	2	2	2
-51.25°	1	1	1	1	1	1	1	1	1	2	2
-52.5°	1	1	1	1	1	1	1	1	1	2	2
-53.75°	1	1	1	1	1	1	1	1	1	1	2
-55°	1	1	1	1	1	1	1	1	1	1	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°	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	1	1	1	1	1	1	1	1	1	1
-75°	0	0	1	1	1	1	1	1	1	1	1
-76.25°	0	0	0	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	1	1
-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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	1	1	1	1	1	1
81.25°	0	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
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	2
65°	1	1	1	1	1	1	1	1	2	2	2
63.75°	1	1	1	1	1	1	2	2	2	2	2
62.5°	1	1	1	1	1	2	2	2	2	2	2
61.25°	1	1	1	1	2	2	2	2	2	2	3
60°	1	1	1	2	2	2	2	2	2	3	3
58.75°	1	1	2	2	2	2	2	3	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	3
55°	2	2	2	2	3	3	3	3	3	3	3
53.75°	2	2	2	3	3	3	3	3	3	3	3
52.5°	2	2	2	3	3	3	3	3	3	3	3
51.25°	2	2	3	3	3	3	3	3	3	3	4
50°	2	3	3	3	3	3	3	3	3	4	4
48.75°	2	3	3	3	3	3	3	3	4	4	4
47.5°	3	3	3	3	3	3	3	4	4	4	4
46.25°	3	3	3	3	3	3	3	4	4	4	4
45°	3	3	3	3	3	3	4	4	4	4	4
43.75°	3	3	3	3	3	4	4	4	4	4	4
42.5°	3	3	3	3	3	4	4	4	4	4	4
41.25°	3	3	3	3	4	4	4	4	4	4	4
40°	3	3	3	3	4	4	4	4	4	4	5
38.75°	3	3	3	4	4	4	4	4	4	5	5
37.5°	3	3	3	4	4	4	4	4	4	5	5
36.25°	3	3	4	4	4	4	4	4	5	5	6
35°	3	3	4	4	4	4	4	4	5	5	6



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	3	4	4	4	4	4	4	5	5	6	6
32.5°	3	4	4	4	4	4	4	5	5	6	9
31.25°	3	4	4	4	4	4	5	5	6	6	12
30°	4	4	4	4	4	4	5	5	6	9	15
28.75°	4	4	4	4	4	5	5	6	6	12	18
27.5°	4	4	4	4	4	5	5	6	8	15	22
26.25°	4	4	4	4	4	5	5	6	10	17	24
25°	4	4	4	4	5	5	6	6	13	20	27
23.75°	4	4	4	4	5	5	6	8	16	23	29
22.5°	4	4	4	4	5	5	6	10	18	25	32
21.25°	4	4	4	4	5	6	6	13	20	27	34
20°	4	4	4	5	5	6	7	15	22	29	36
18.75°	4	4	4	5	5	6	9	17	24	31	38
17.5°	4	4	4	5	5	6	11	19	26	33	40
16.25°	4	4	4	5	5	6	12	20	28	35	42
15°	4	4	4	5	6	6	14	22	29	36	43
13.75°	4	4	4	5	6	7	15	23	31	38	44
12.5°	4	4	5	5	6	9	17	25	32	39	46
11.25°	4	4	5	5	6	10	18	26	33	40	47
10°	4	4	5	5	6	11	19	27	34	41	48
8.75°	4	4	5	5	6	12	20	28	35	42	49
7.5°	4	4	5	5	6	13	21	29	36	43	50
6.25°	4	4	5	5	6	13	22	29	37	44	50
5°	4	4	5	6	6	14	22	30	37	44	51
3.75°	4	4	5	6	6	14	23	30	38	45	51
2.5°	4	4	5	6	6	15	23	30	38	45	52
1.25°	4	4	5	6	6	15	23	31	38	45	52
0°	4	4	5	6	6	15	23	31	38	45	52
-1.25°	4	4	5	6	6	15	23	31	38	45	52
-2.5°	4	4	5	6	6	15	23	30	38	45	52
-3.75°	4	4	5	6	6	14	23	30	38	45	51
-5°	4	4	5	6	6	14	22	30	37	44	51
-6.25°	4	4	5	5	6	13	22	29	37	44	50
-7.5°	4	4	5	5	6	13	21	29	36	43	50
-8.75°	4	4	5	5	6	12	20	28	35	42	49
-10°	4	4	5	5	6	11	19	27	34	41	48
-11.25°	4	4	5	5	6	10	18	26	33	40	47
-12.5°	4	4	5	5	6	9	17	25	32	39	46
-13.75°	4	4	4	5	6	7	15	23	31	38	44
-15°	4	4	4	5	6	6	14	22	29	36	43
-16.25°	4	4	4	5	5	6	12	20	28	35	42
-17.5°	4	4	4	5	5	6	11	19	26	33	40
-18.75°	4	4	4	5	5	6	9	17	24	31	38
-20°	4	4	4	5	5	6	7	15	22	29	36
-21.25°	4	4	4	4	5	6	6	13	20	27	34



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	4	4	4	4	5	5	6	10	18	25	32
-23.75°	4	4	4	4	5	5	6	8	16	23	29
-25°	4	4	4	4	5	5	6	6	13	20	27
-26.25°	4	4	4	4	4	5	5	6	10	17	24
-27.5°	4	4	4	4	4	5	5	6	8	15	22
-28.75°	4	4	4	4	4	5	5	6	6	12	18
-30°	4	4	4	4	4	4	5	5	6	9	15
-31.25°	3	4	4	4	4	4	5	5	6	6	12
-32.5°	3	4	4	4	4	4	4	5	5	6	9
-33.75°	3	4	4	4	4	4	4	5	5	6	6
-35°	3	3	4	4	4	4	4	4	5	5	6
-36.25°	3	3	4	4	4	4	4	4	5	5	6
-37.5°	3	3	3	4	4	4	4	4	4	5	5
-38.75°	3	3	3	4	4	4	4	4	4	5	5
-40°	3	3	3	3	4	4	4	4	4	4	5
-41.25°	3	3	3	3	4	4	4	4	4	4	4
-42.5°	3	3	3	3	3	4	4	4	4	4	4
-43.75°	3	3	3	3	3	4	4	4	4	4	4
-45°	3	3	3	3	3	3	4	4	4	4	4
-46.25°	3	3	3	3	3	3	3	4	4	4	4
-47.5°	3	3	3	3	3	3	3	4	4	4	4
-48.75°	2	3	3	3	3	3	3	3	4	4	4
-50°	2	3	3	3	3	3	3	3	3	4	4
-51.25°	2	2	3	3	3	3	3	3	3	3	4
-52.5°	2	2	2	3	3	3	3	3	3	3	3
-53.75°	2	2	2	3	3	3	3	3	3	3	3
-55°	2	2	2	2	3	3	3	3	3	3	3
-56.25°	2	2	2	2	2	3	3	3	3	3	3
-57.5°	1	2	2	2	2	2	3	3	3	3	3
-58.75°	1	1	2	2	2	2	2	3	3	3	3
-60°	1	1	1	2	2	2	2	2	2	3	3
-61.25°	1	1	1	1	2	2	2	2	2	2	3
-62.5°	1	1	1	1	1	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	2	2	2	2	2
-65°	1	1	1	1	1	1	1	1	2	2	2
-66.25°	1	1	1	1	1	1	1	1	1	1	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°	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	0	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	0	0	1	1	1	1	1	1
-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	2	2
70°	1	1	1	1	1	1	2	2	2	2	2
68.75°	1	1	1	2	2	2	2	2	2	2	2
67.5°	1	2	2	2	2	2	2	2	2	2	3
66.25°	2	2	2	2	2	2	2	3	3	3	3
65°	2	2	2	2	2	3	3	3	3	3	3
63.75°	2	2	2	3	3	3	3	3	3	3	3
62.5°	2	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	4
58.75°	3	3	3	3	3	3	3	3	4	4	4
57.5°	3	3	3	3	3	3	4	4	4	4	4
56.25°	3	3	3	3	4	4	4	4	4	4	4
55°	3	3	3	4	4	4	4	4	4	4	4
53.75°	3	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	5
51.25°	4	4	4	4	4	4	4	4	5	5	5
50°	4	4	4	4	4	4	4	5	5	5	6
48.75°	4	4	4	4	4	5	5	5	5	6	6
47.5°	4	4	4	4	5	5	5	6	6	6	10
46.25°	4	4	4	5	5	5	6	6	7	12	16
45°	4	4	5	5	5	6	6	8	13	17	22
43.75°	4	5	5	5	6	6	9	14	18	23	27
42.5°	5	5	5	6	6	9	14	19	24	28	32
41.25°	5	5	6	6	9	14	19	24	29	33	37
40°	5	6	6	8	14	19	24	29	33	38	42
38.75°	5	6	7	13	18	24	29	33	38	42	46
37.5°	6	6	12	17	23	28	33	38	42	46	51
36.25°	6	10	16	22	27	32	37	42	46	51	55
35°	8	14	20	26	31	36	41	46	50	55	59



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	11	18	24	29	35	40	45	50	54	59	63
32.5°	15	21	27	33	38	43	48	53	58	63	68
31.25°	18	25	31	36	42	47	52	57	62	67	72
30°	22	28	34	40	45	50	55	60	65	71	77
28.75°	25	31	37	43	48	53	59	64	69	75	81
27.5°	28	34	40	46	51	56	62	67	74	80	87
26.25°	31	37	43	48	54	59	65	71	77	84	92
25°	33	40	45	51	57	62	68	75	81	90	98
23.75°	36	42	48	54	59	65	72	78	86	94	103
22.5°	38	44	50	56	62	68	75	82	91	99	111
21.25°	41	47	53	59	64	71	78	86	95	105	118
20°	43	49	55	61	67	74	81	90	99	111	125
18.75°	44	51	57	63	70	77	85	94	104	117	131
17.5°	46	53	59	65	72	79	88	98	109	123	138
16.25°	48	54	61	67	74	82	91	101	115	129	146
15°	50	56	62	69	77	85	94	105	120	134	152
13.75°	51	57	64	71	79	88	97	110	124	141	159
12.5°	52	59	65	73	80	90	100	114	129	146	164
11.25°	53	60	67	74	82	92	102	118	133	151	170
10°	55	61	68	76	84	94	106	121	137	156	175
8.75°	56	62	69	77	86	96	109	124	141	160	180
7.5°	56	63	70	78	88	98	111	127	144	163	185
6.25°	57	64	71	79	89	99	113	129	147	166	189
5°	58	64	72	80	90	100	115	131	149	169	193
3.75°	58	65	73	81	91	101	116	132	151	171	195
2.5°	58	65	73	81	91	102	117	133	153	172	197
1.25°	59	65	73	81	92	102	118	134	153	173	198
0°	59	65	73	81	92	102	118	134	154	173	199
-1.25°	59	65	73	81	92	102	118	134	153	173	198
-2.5°	58	65	73	81	91	102	117	133	153	172	197
-3.75°	58	65	73	81	91	101	116	132	151	171	195
-5°	58	64	72	80	90	100	115	131	149	169	193
-6.25°	57	64	71	79	89	99	113	129	147	166	189
-7.5°	56	63	70	78	88	98	111	127	144	163	185
-8.75°	56	62	69	77	86	96	109	124	141	160	180
-10°	55	61	68	76	84	94	106	121	137	156	175
-11.25°	53	60	67	74	82	92	102	118	133	151	170
-12.5°	52	59	65	73	80	90	100	114	129	146	164
-13.75°	51	57	64	71	79	88	97	110	124	141	159
-15°	50	56	62	69	77	85	94	105	120	134	152
-16.25°	48	54	61	67	74	82	91	101	115	129	146
-17.5°	46	53	59	65	72	79	88	98	109	123	138
-18.75°	44	51	57	63	70	77	85	94	104	117	131
-20°	43	49	55	61	67	74	81	90	99	111	125
-21.25°	41	47	53	59	64	71	78	86	95	105	118



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	38	44	50	56	62	68	75	82	91	99	111
-23.75°	36	42	48	54	59	65	72	78	86	94	103
-25°	33	40	45	51	57	62	68	75	81	90	98
-26.25°	31	37	43	48	54	59	65	71	77	84	92
-27.5°	28	34	40	46	51	56	62	67	74	80	87
-28.75°	25	31	37	43	48	53	59	64	69	75	81
-30°	22	28	34	40	45	50	55	60	65	71	77
-31.25°	18	25	31	36	42	47	52	57	62	67	72
-32.5°	15	21	27	33	38	43	48	53	58	63	68
-33.75°	11	18	24	29	35	40	45	50	54	59	63
-35°	8	14	20	26	31	36	41	46	50	55	59
-36.25°	6	10	16	22	27	32	37	42	46	51	55
-37.5°	6	6	12	17	23	28	33	38	42	46	51
-38.75°	5	6	7	13	18	24	29	33	38	42	46
-40°	5	6	6	8	14	19	24	29	33	38	42
-41.25°	5	5	6	6	9	14	19	24	29	33	37
-42.5°	5	5	5	6	6	9	14	19	24	28	32
-43.75°	4	5	5	5	6	6	9	14	18	23	27
-45°	4	4	5	5	5	6	6	8	13	17	22
-46.25°	4	4	4	5	5	5	6	6	7	12	16
-47.5°	4	4	4	4	5	5	5	6	6	6	10
-48.75°	4	4	4	4	4	5	5	5	5	6	6
-50°	4	4	4	4	4	4	4	5	5	5	6
-51.25°	4	4	4	4	4	4	4	4	5	5	5
-52.5°	4	4	4	4	4	4	4	4	4	4	5
-53.75°	3	4	4	4	4	4	4	4	4	4	4
-55°	3	3	3	4	4	4	4	4	4	4	4
-56.25°	3	3	3	3	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	3	4	4	4	4	4
-58.75°	3	3	3	3	3	3	3	3	4	4	4
-60°	3	3	3	3	3	3	3	3	3	3	4
-61.25°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	3	3	3	3	3	3	3	3
-65°	2	2	2	2	2	3	3	3	3	3	3
-66.25°	2	2	2	2	2	2	2	3	3	3	3
-67.5°	1	2	2	2	2	2	2	2	2	2	3
-68.75°	1	1	1	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	2	2	2	2	2
-71.25°	1	1	1	1	1	1	1	1	1	2	2
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	2	2	2
72.5°	1	1	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	3	3	3	3
68.75°	2	2	2	3	3	3	3	3	3	3	3
67.5°	3	3	3	3	3	3	3	3	3	3	3
66.25°	3	3	3	3	3	3	3	3	3	3	3
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	3	3	3	3	3	3	3	3	4	4	4
62.5°	3	3	3	3	4	4	4	4	4	4	4
61.25°	3	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	5	5	5
56.25°	4	4	4	4	4	5	5	5	5	5	5
55°	4	4	4	5	5	5	5	5	6	6	6
53.75°	4	5	5	5	5	6	6	6	6	8	10
52.5°	5	5	5	6	6	6	8	10	13	16	18
51.25°	5	6	6	6	9	12	15	17	20	23	25
50°	6	6	9	12	15	18	22	24	27	29	32
48.75°	8	11	15	18	22	25	28	31	33	36	38
47.5°	14	18	21	25	28	31	34	37	40	42	44
46.25°	20	24	27	31	34	37	40	43	45	48	50
45°	26	29	33	36	40	43	46	48	51	54	56
43.75°	31	35	38	42	45	48	51	54	57	59	62
42.5°	36	40	43	47	50	53	56	59	62	65	68
41.25°	41	45	48	52	55	59	62	65	68	72	75
40°	46	50	53	57	60	64	67	71	75	78	82
38.75°	50	54	58	62	65	69	74	77	81	86	91
37.5°	55	59	63	67	71	75	80	84	90	94	99
36.25°	59	63	68	72	77	81	87	92	98	103	111
35°	63	68	73	78	83	89	95	100	108	116	124



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	124	137	153	168	186	206	225	258	290	333	404
-23.75°	116	128	142	157	172	191	210	231	262	292	333
-25°	108	120	132	146	161	176	194	212	232	262	290
-26.25°	100	111	123	135	149	163	177	195	212	231	258
-27.5°	95	102	114	125	137	150	164	177	194	210	225
-28.75°	89	96	105	116	126	138	150	163	176	191	206
-30°	83	90	97	106	116	126	137	149	161	172	186
-31.25°	78	84	91	98	106	116	125	135	146	157	168
-32.5°	73	78	84	91	97	105	114	123	132	142	153
-33.75°	68	73	78	84	90	96	102	111	120	128	137
-35°	63	68	73	78	83	89	95	100	108	116	124
-36.25°	59	63	68	72	77	81	87	92	98	103	111
-37.5°	55	59	63	67	71	75	80	84	90	94	99
-38.75°	50	54	58	62	65	69	74	77	81	86	91
-40°	46	50	53	57	60	64	67	71	75	78	82
-41.25°	41	45	48	52	55	59	62	65	68	72	75
-42.5°	36	40	43	47	50	53	56	59	62	65	68
-43.75°	31	35	38	42	45	48	51	54	57	59	62
-45°	26	29	33	36	40	43	46	48	51	54	56
-46.25°	20	24	27	31	34	37	40	43	45	48	50
-47.5°	14	18	21	25	28	31	34	37	40	42	44
-48.75°	8	11	15	18	22	25	28	31	33	36	38
-50°	6	6	9	12	15	18	22	24	27	29	32
-51.25°	5	6	6	6	9	12	15	17	20	23	25
-52.5°	5	5	5	6	6	6	8	10	13	16	18
-53.75°	4	5	5	5	5	6	6	6	6	8	10
-55°	4	4	4	5	5	5	5	5	6	6	6
-56.25°	4	4	4	4	4	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	4	5	5	5
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-61.25°	3	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	4	4	4
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	3	3	3	3	3	3	3	3	3	3	3
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-68.75°	2	2	2	3	3	3	3	3	3	3	3
-70°	2	2	2	2	2	2	2	3	3	3	3
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	2	2	2	2	2	2	2	2	2
-73.75°	1	1	1	1	1	1	1	1	2	2	2
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	3	3	3	3	3	3	3	3
70°	3	3	3	3	3	3	3	3	3	3	3
68.75°	3	3	3	3	3	3	3	3	3	3	3
67.5°	3	3	3	3	3	3	3	3	3	3	3
66.25°	3	3	3	3	3	3	3	3	3	3	4
65°	3	3	4	4	4	4	4	4	4	4	4
63.75°	4	4	4	4	4	4	4	4	4	4	4
62.5°	4	4	4	4	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	4	4	5	5	5	5
58.75°	4	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°	6	6	6	6	6	6	7	9	10	11	12
55°	6	7	9	11	12	14	15	17	18	19	20
53.75°	13	15	17	19	20	22	23	25	26	27	28
52.5°	20	22	24	26	28	29	31	32	33	34	35
51.25°	27	29	31	33	35	36	38	39	40	41	42
50°	34	36	38	40	42	43	44	46	47	48	49
48.75°	41	43	44	46	48	50	51	52	53	55	56
47.5°	47	49	51	53	54	56	57	59	60	61	62
46.25°	53	55	57	59	61	62	64	65	67	68	69
45°	59	61	63	65	67	69	71	73	74	76	77
43.75°	64	67	70	72	74	77	79	80	82	84	86
42.5°	71	74	77	79	82	85	88	90	92	94	96
41.25°	78	81	85	88	91	94	97	100	102	106	109
40°	86	90	94	98	101	105	110	114	118	121	124
38.75°	95	99	104	109	115	120	124	129	133	137	141
37.5°	105	111	117	123	129	134	141	146	151	156	160
36.25°	118	125	131	138	146	152	159	164	170	175	180
35°	131	139	148	156	163	170	178	186	193	199	205



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	147	156	164	173	183	192	201	209	217	224	234
32.5°	163	172	183	195	205	215	225	239	253	265	276
31.25°	180	193	205	217	230	248	265	280	294	307	327
30°	200	213	228	249	268	287	305	332	367	398	426
28.75°	220	241	264	286	306	344	387	426	463	496	527
27.5°	251	276	300	336	386	434	479	521	567	610	648
26.25°	285	311	366	421	474	524	581	635	686	732	773
25°	324	387	447	505	569	633	694	752	805	852	892
23.75°	400	465	529	603	674	743	807	865	918	963	1002
22.5°	474	546	625	704	780	850	913	969	1020	1058	1092
21.25°	552	637	723	804	880	949	1010	1059	1100	1128	1152
20°	637	729	817	898	972	1036	1088	1125	1155	1179	1202
18.75°	723	817	904	983	1051	1105	1142	1173	1201	1228	1252
17.5°	804	898	983	1055	1111	1152	1185	1218	1249	1277	1305
16.25°	880	972	1051	1111	1155	1192	1228	1263	1296	1328	1359
15°	949	1036	1105	1152	1192	1231	1270	1308	1346	1382	1412
13.75°	1010	1088	1142	1185	1228	1270	1312	1354	1394	1429	1464
12.5°	1059	1125	1173	1218	1263	1308	1354	1398	1438	1479	1521
11.25°	1100	1155	1201	1249	1296	1346	1394	1438	1485	1533	1581
10°	1128	1179	1228	1277	1328	1382	1429	1479	1533	1587	1640
8.75°	1152	1202	1252	1305	1359	1412	1464	1521	1581	1640	1695
7.5°	1170	1222	1274	1329	1387	1440	1498	1561	1625	1687	1742
6.25°	1186	1239	1294	1352	1409	1465	1529	1597	1665	1728	1782
5°	1199	1254	1311	1371	1427	1488	1557	1628	1698	1760	1815
3.75°	1210	1266	1324	1385	1443	1508	1579	1653	1724	1785	1838
2.5°	1218	1274	1333	1395	1454	1522	1595	1671	1741	1803	1855
1.25°	1223	1279	1340	1401	1461	1531	1606	1682	1752	1814	1865
0°	1224	1281	1342	1403	1464	1534	1609	1686	1756	1818	1868
-1.25°	1223	1279	1340	1401	1461	1531	1606	1682	1752	1814	1865
-2.5°	1218	1274	1333	1395	1454	1522	1595	1671	1741	1803	1855
-3.75°	1210	1266	1324	1385	1443	1508	1579	1653	1724	1785	1838
-5°	1199	1254	1311	1371	1427	1488	1557	1628	1698	1760	1815
-6.25°	1186	1239	1294	1352	1409	1465	1529	1597	1665	1728	1782
-7.5°	1170	1222	1274	1329	1387	1440	1498	1561	1625	1687	1742
-8.75°	1152	1202	1252	1305	1359	1412	1464	1521	1581	1640	1695
-10°	1128	1179	1228	1277	1328	1382	1429	1479	1533	1587	1640
-11.25°	1100	1155	1201	1249	1296	1346	1394	1438	1485	1533	1581
-12.5°	1059	1125	1173	1218	1263	1308	1354	1398	1438	1479	1521
-13.75°	1010	1088	1142	1185	1228	1270	1312	1354	1394	1429	1464
-15°	949	1036	1105	1152	1192	1231	1270	1308	1346	1382	1412
-16.25°	880	972	1051	1111	1155	1192	1228	1263	1296	1328	1359
-17.5°	804	898	983	1055	1111	1152	1185	1218	1249	1277	1305
-18.75°	723	817	904	983	1051	1105	1142	1173	1201	1228	1252
-20°	637	729	817	898	972	1036	1088	1125	1155	1179	1202
-21.25°	552	637	723	804	880	949	1010	1059	1100	1128	1152



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	474	546	625	704	780	850	913	969	1020	1058	1092
-23.75°	400	465	529	603	674	743	807	865	918	963	1002
-25°	324	387	447	505	569	633	694	752	805	852	892
-26.25°	285	311	366	421	474	524	581	635	686	732	773
-27.5°	251	276	300	336	386	434	479	521	567	610	648
-28.75°	220	241	264	286	306	344	387	426	463	496	527
-30°	200	213	228	249	268	287	305	332	367	398	426
-31.25°	180	193	205	217	230	248	265	280	294	307	327
-32.5°	163	172	183	195	205	215	225	239	253	265	276
-33.75°	147	156	164	173	183	192	201	209	217	224	234
-35°	131	139	148	156	163	170	178	186	193	199	205
-36.25°	118	125	131	138	146	152	159	164	170	175	180
-37.5°	105	111	117	123	129	134	141	146	151	156	160
-38.75°	95	99	104	109	115	120	124	129	133	137	141
-40°	86	90	94	98	101	105	110	114	118	121	124
-41.25°	78	81	85	88	91	94	97	100	102	106	109
-42.5°	71	74	77	79	82	85	88	90	92	94	96
-43.75°	64	67	70	72	74	77	79	80	82	84	86
-45°	59	61	63	65	67	69	71	73	74	76	77
-46.25°	53	55	57	59	61	62	64	65	67	68	69
-47.5°	47	49	51	53	54	56	57	59	60	61	62
-48.75°	41	43	44	46	48	50	51	52	53	55	56
-50°	34	36	38	40	42	43	44	46	47	48	49
-51.25°	27	29	31	33	35	36	38	39	40	41	42
-52.5°	20	22	24	26	28	29	31	32	33	34	35
-53.75°	13	15	17	19	20	22	23	25	26	27	28
-55°	6	7	9	11	12	14	15	17	18	19	20
-56.25°	6	6	6	6	6	6	7	9	10	11	12
-57.5°	5	5	5	5	5	6	6	6	6	6	6
-58.75°	4	5	5	5	5	5	5	5	5	5	5
-60°	4	4	4	4	4	4	4	5	5	5	5
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-63.75°	4	4	4	4	4	4	4	4	4	4	4
-65°	3	3	4	4	4	4	4	4	4	4	4
-66.25°	3	3	3	3	3	3	3	3	3	3	4
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-68.75°	3	3	3	3	3	3	3	3	3	3	3
-70°	3	3	3	3	3	3	3	3	3	3	3
-71.25°	2	2	2	3	3	3	3	3	3	3	3
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	1	1	1	1	1	1	1	1	2	2	2
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	3	3	3	3	3	3	3	3	3	3	3
70°	3	3	3	3	3	3	3	3	3	3	3
68.75°	3	3	3	3	3	3	3	3	3	3	3
67.5°	3	3	3	3	3	3	3	3	3	3	3
66.25°	4	4	4	4	4	4	4	4	4	4	4
65°	4	4	4	4	4	4	4	4	4	4	4
63.75°	4	4	4	4	4	4	4	4	4	4	4
62.5°	4	4	4	4	4	4	4	4	4	4	4
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	5	5	5	5	5	5	5	5	5	5	5
58.75°	5	5	6	6	6	6	6	6	6	6	6
57.5°	6	6	6	6	6	6	6	6	6	6	6
56.25°	13	13	14	14	15	15	15	15	15	14	14
55°	21	22	22	23	23	23	23	23	23	23	22
53.75°	29	29	30	30	30	31	31	31	30	30	30
52.5°	36	37	37	38	38	38	38	38	38	38	37
51.25°	43	44	44	45	45	45	45	45	45	45	44
50°	50	50	51	51	52	52	52	52	52	51	51
48.75°	56	57	58	58	58	59	59	59	58	58	58
47.5°	63	64	64	65	65	65	65	65	65	65	64
46.25°	70	71	72	73	73	73	73	73	73	73	72
45°	78	79	80	81	81	81	81	81	81	81	80
43.75°	88	89	90	91	91	92	92	92	91	91	90
42.5°	98	99	100	101	102	102	102	102	102	101	100
41.25°	111	113	115	116	117	118	118	118	117	116	115
40°	127	129	131	132	133	134	134	134	133	132	131
38.75°	144	147	149	151	153	153	154	153	153	151	149
37.5°	163	166	169	171	172	173	173	173	172	171	169
36.25°	185	189	193	195	197	198	199	198	197	195	193
35°	210	214	218	221	223	224	224	224	223	221	218



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	243	251	257	262	266	268	269	268	266	262	257
32.5°	286	294	301	306	310	312	313	312	310	306	301
31.25°	350	371	387	400	409	415	417	415	409	400	387
30°	451	472	490	503	513	519	521	519	513	503	490
28.75°	559	586	608	625	638	646	649	646	638	625	608
27.5°	683	712	737	756	769	777	780	777	769	756	737
26.25°	809	839	863	882	896	904	907	904	896	882	863
25°	928	957	980	998	1012	1020	1022	1020	1012	998	980
23.75°	1034	1058	1079	1094	1103	1108	1109	1108	1103	1094	1079
22.5°	1114	1132	1147	1156	1163	1168	1169	1168	1163	1156	1147
21.25°	1170	1186	1199	1210	1218	1223	1224	1223	1218	1210	1199
20°	1222	1239	1254	1266	1274	1279	1281	1279	1274	1266	1254
18.75°	1274	1294	1311	1324	1333	1340	1342	1340	1333	1324	1311
17.5°	1329	1352	1371	1385	1395	1401	1403	1401	1395	1385	1371
16.25°	1387	1409	1427	1443	1454	1461	1464	1461	1454	1443	1427
15°	1440	1465	1488	1508	1522	1531	1534	1531	1522	1508	1488
13.75°	1498	1529	1557	1579	1595	1606	1609	1606	1595	1579	1557
12.5°	1561	1597	1628	1653	1671	1682	1686	1682	1671	1653	1628
11.25°	1625	1665	1698	1724	1741	1752	1756	1752	1741	1724	1698
10°	1687	1728	1760	1785	1803	1814	1818	1814	1803	1785	1760
8.75°	1742	1782	1815	1838	1855	1865	1868	1865	1855	1838	1815
7.5°	1789	1828	1858	1881	1898	1906	1909	1906	1898	1881	1858
6.25°	1828	1865	1895	1915	1928	1934	1937	1934	1928	1915	1895
5°	1858	1895	1921	1937	1943	1946	1947	1946	1943	1937	1921
3.75°	1881	1915	1937	1945	1947	1948	1947	1948	1947	1945	1937
2.5°	1898	1928	1943	1947	1945	1940	1938	1940	1945	1947	1943
1.25°	1906	1934	1946	1948	1940	1934	1934	1934	1940	1948	1946
0°	1909	1937	1947	1947	1938	1934	1939	1934	1938	1947	1947
-1.25°	1906	1934	1946	1948	1940	1934	1934	1934	1940	1948	1946
-2.5°	1898	1928	1943	1947	1945	1940	1938	1940	1945	1947	1943
-3.75°	1881	1915	1937	1945	1947	1948	1947	1948	1947	1945	1937
-5°	1858	1895	1921	1937	1943	1946	1947	1946	1943	1937	1921
-6.25°	1828	1865	1895	1915	1928	1934	1937	1934	1928	1915	1895
-7.5°	1789	1828	1858	1881	1898	1906	1909	1906	1898	1881	1858
-8.75°	1742	1782	1815	1838	1855	1865	1868	1865	1855	1838	1815
-10°	1687	1728	1760	1785	1803	1814	1818	1814	1803	1785	1760
-11.25°	1625	1665	1698	1724	1741	1752	1756	1752	1741	1724	1698
-12.5°	1561	1597	1628	1653	1671	1682	1686	1682	1671	1653	1628
-13.75°	1498	1529	1557	1579	1595	1606	1609	1606	1595	1579	1557
-15°	1440	1465	1488	1508	1522	1531	1534	1531	1522	1508	1488
-16.25°	1387	1409	1427	1443	1454	1461	1464	1461	1454	1443	1427
-17.5°	1329	1352	1371	1385	1395	1401	1403	1401	1395	1385	1371
-18.75°	1274	1294	1311	1324	1333	1340	1342	1340	1333	1324	1311
-20°	1222	1239	1254	1266	1274	1279	1281	1279	1274	1266	1254
-21.25°	1170	1186	1199	1210	1218	1223	1224	1223	1218	1210	1199



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1114	1132	1147	1156	1163	1168	1169	1168	1163	1156	1147
-23.75°	1034	1058	1079	1094	1103	1108	1109	1108	1103	1094	1079
-25°	928	957	980	998	1012	1020	1022	1020	1012	998	980
-26.25°	809	839	863	882	896	904	907	904	896	882	863
-27.5°	683	712	737	756	769	777	780	777	769	756	737
-28.75°	559	586	608	625	638	646	649	646	638	625	608
-30°	451	472	490	503	513	519	521	519	513	503	490
-31.25°	350	371	387	400	409	415	417	415	409	400	387
-32.5°	286	294	301	306	310	312	313	312	310	306	301
-33.75°	243	251	257	262	266	268	269	268	266	262	257
-35°	210	214	218	221	223	224	224	224	223	221	218
-36.25°	185	189	193	195	197	198	199	198	197	195	193
-37.5°	163	166	169	171	172	173	173	173	172	171	169
-38.75°	144	147	149	151	153	153	154	153	153	151	149
-40°	127	129	131	132	133	134	134	134	133	132	131
-41.25°	111	113	115	116	117	118	118	118	117	116	115
-42.5°	98	99	100	101	102	102	102	102	102	101	100
-43.75°	88	89	90	91	91	92	92	92	91	91	90
-45°	78	79	80	81	81	81	81	81	81	81	80
-46.25°	70	71	72	73	73	73	73	73	73	73	72
-47.5°	63	64	64	65	65	65	65	65	65	65	64
-48.75°	56	57	58	58	58	59	59	59	58	58	58
-50°	50	50	51	51	52	52	52	52	52	51	51
-51.25°	43	44	44	45	45	45	45	45	45	45	44
-52.5°	36	37	37	38	38	38	38	38	38	38	37
-53.75°	29	29	30	30	30	31	31	31	30	30	30
-55°	21	22	22	23	23	23	23	23	23	23	22
-56.25°	13	13	14	14	15	15	15	15	15	14	14
-57.5°	6	6	6	6	6	6	6	6	6	6	6
-58.75°	5	5	6	6	6	6	6	6	6	6	6
-60°	5	5	5	5	5	5	5	5	5	5	5
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-63.75°	4	4	4	4	4	4	4	4	4	4	4
-65°	4	4	4	4	4	4	4	4	4	4	4
-66.25°	4	4	4	4	4	4	4	4	4	4	4
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-68.75°	3	3	3	3	3	3	3	3	3	3	3
-70°	3	3	3	3	3	3	3	3	3	3	3
-71.25°	3	3	3	3	3	3	3	3	3	3	3
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	1	1	1	1	1	1
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	3	3	3	3	3	3	3	3	3	3	2
70°	3	3	3	3	3	3	3	3	3	3	3
68.75°	3	3	3	3	3	3	3	3	3	3	3
67.5°	3	3	3	3	3	3	3	3	3	3	3
66.25°	4	4	4	3	3	3	3	3	3	3	3
65°	4	4	4	4	4	4	4	4	4	4	4
63.75°	4	4	4	4	4	4	4	4	4	4	4
62.5°	4	4	4	4	4	4	4	4	4	4	4
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	5	5	5	5	5	5	4	4	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°	13	13	12	11	10	9	7	6	6	6	6
55°	22	21	20	19	18	17	15	14	12	11	9
53.75°	29	29	28	27	26	25	23	22	20	19	17
52.5°	37	36	35	34	33	32	31	29	28	26	24
51.25°	44	43	42	41	40	39	38	36	35	33	31
50°	50	50	49	48	47	46	44	43	42	40	38
48.75°	57	56	56	55	53	52	51	50	48	46	44
47.5°	64	63	62	61	60	59	57	56	54	53	51
46.25°	71	70	69	68	67	65	64	62	61	59	57
45°	79	78	77	76	74	73	71	69	67	65	63
43.75°	89	88	86	84	82	80	79	77	74	72	70
42.5°	99	98	96	94	92	90	88	85	82	79	77
41.25°	113	111	109	106	102	100	97	94	91	88	85
40°	129	127	124	121	118	114	110	105	101	98	94
38.75°	147	144	141	137	133	129	124	120	115	109	104
37.5°	166	163	160	156	151	146	141	134	129	123	117
36.25°	189	185	180	175	170	164	159	152	146	138	131
35°	214	210	205	199	193	186	178	170	163	156	148



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	251	243	234	224	217	209	201	192	183	173	164
32.5°	294	286	276	265	253	239	225	215	205	195	183
31.25°	371	350	327	307	294	280	265	248	230	217	205
30°	472	451	426	398	367	332	305	287	268	249	228
28.75°	586	559	527	496	463	426	387	344	306	286	264
27.5°	712	683	648	610	567	521	479	434	386	336	300
26.25°	839	809	773	732	686	635	581	524	474	421	366
25°	957	928	892	852	805	752	694	633	569	505	447
23.75°	1058	1034	1002	963	918	865	807	743	674	603	529
22.5°	1132	1114	1092	1058	1020	969	913	850	780	704	625
21.25°	1186	1170	1152	1128	1100	1059	1010	949	880	804	723
20°	1239	1222	1202	1179	1155	1125	1088	1036	972	898	817
18.75°	1294	1274	1252	1228	1201	1173	1142	1105	1051	983	904
17.5°	1352	1329	1305	1277	1249	1218	1185	1152	1111	1055	983
16.25°	1409	1387	1359	1328	1296	1263	1228	1192	1155	1111	1051
15°	1465	1440	1412	1382	1346	1308	1270	1231	1192	1152	1105
13.75°	1529	1498	1464	1429	1394	1354	1312	1270	1228	1185	1142
12.5°	1597	1561	1521	1479	1438	1398	1354	1308	1263	1218	1173
11.25°	1665	1625	1581	1533	1485	1438	1394	1346	1296	1249	1201
10°	1728	1687	1640	1587	1533	1479	1429	1382	1328	1277	1228
8.75°	1782	1742	1695	1640	1581	1521	1464	1412	1359	1305	1252
7.5°	1828	1789	1742	1687	1625	1561	1498	1440	1387	1329	1274
6.25°	1865	1828	1782	1728	1665	1597	1529	1465	1409	1352	1294
5°	1895	1858	1815	1760	1698	1628	1557	1488	1427	1371	1311
3.75°	1915	1881	1838	1785	1724	1653	1579	1508	1443	1385	1324
2.5°	1928	1898	1855	1803	1741	1671	1595	1522	1454	1395	1333
1.25°	1934	1906	1865	1814	1752	1682	1606	1531	1461	1401	1340
0°	1937	1909	1868	1818	1756	1686	1609	1534	1464	1403	1342
-1.25°	1934	1906	1865	1814	1752	1682	1606	1531	1461	1401	1340
-2.5°	1928	1898	1855	1803	1741	1671	1595	1522	1454	1395	1333
-3.75°	1915	1881	1838	1785	1724	1653	1579	1508	1443	1385	1324
-5°	1895	1858	1815	1760	1698	1628	1557	1488	1427	1371	1311
-6.25°	1865	1828	1782	1728	1665	1597	1529	1465	1409	1352	1294
-7.5°	1828	1789	1742	1687	1625	1561	1498	1440	1387	1329	1274
-8.75°	1782	1742	1695	1640	1581	1521	1464	1412	1359	1305	1252
-10°	1728	1687	1640	1587	1533	1479	1429	1382	1328	1277	1228
-11.25°	1665	1625	1581	1533	1485	1438	1394	1346	1296	1249	1201
-12.5°	1597	1561	1521	1479	1438	1398	1354	1308	1263	1218	1173
-13.75°	1529	1498	1464	1429	1394	1354	1312	1270	1228	1185	1142
-15°	1465	1440	1412	1382	1346	1308	1270	1231	1192	1152	1105
-16.25°	1409	1387	1359	1328	1296	1263	1228	1192	1155	1111	1051
-17.5°	1352	1329	1305	1277	1249	1218	1185	1152	1111	1055	983
-18.75°	1294	1274	1252	1228	1201	1173	1142	1105	1051	983	904
-20°	1239	1222	1202	1179	1155	1125	1088	1036	972	898	817
-21.25°	1186	1170	1152	1128	1100	1059	1010	949	880	804	723



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1132	1114	1092	1058	1020	969	913	850	780	704	625
-23.75°	1058	1034	1002	963	918	865	807	743	674	603	529
-25°	957	928	892	852	805	752	694	633	569	505	447
-26.25°	839	809	773	732	686	635	581	524	474	421	366
-27.5°	712	683	648	610	567	521	479	434	386	336	300
-28.75°	586	559	527	496	463	426	387	344	306	286	264
-30°	472	451	426	398	367	332	305	287	268	249	228
-31.25°	371	350	327	307	294	280	265	248	230	217	205
-32.5°	294	286	276	265	253	239	225	215	205	195	183
-33.75°	251	243	234	224	217	209	201	192	183	173	164
-35°	214	210	205	199	193	186	178	170	163	156	148
-36.25°	189	185	180	175	170	164	159	152	146	138	131
-37.5°	166	163	160	156	151	146	141	134	129	123	117
-38.75°	147	144	141	137	133	129	124	120	115	109	104
-40°	129	127	124	121	118	114	110	105	101	98	94
-41.25°	113	111	109	106	102	100	97	94	91	88	85
-42.5°	99	98	96	94	92	90	88	85	82	79	77
-43.75°	89	88	86	84	82	80	79	77	74	72	70
-45°	79	78	77	76	74	73	71	69	67	65	63
-46.25°	71	70	69	68	67	65	64	62	61	59	57
-47.5°	64	63	62	61	60	59	57	56	54	53	51
-48.75°	57	56	56	55	53	52	51	50	48	46	44
-50°	50	50	49	48	47	46	44	43	42	40	38
-51.25°	44	43	42	41	40	39	38	36	35	33	31
-52.5°	37	36	35	34	33	32	31	29	28	26	24
-53.75°	29	29	28	27	26	25	23	22	20	19	17
-55°	22	21	20	19	18	17	15	14	12	11	9
-56.25°	13	13	12	11	10	9	7	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	4	4	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	4	4
-63.75°	4	4	4	4	4	4	4	4	4	4	4
-65°	4	4	4	4	4	4	4	4	4	4	4
-66.25°	4	4	4	3	3	3	3	3	3	3	3
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-68.75°	3	3	3	3	3	3	3	3	3	3	3
-70°	3	3	3	3	3	3	3	3	3	3	3
-71.25°	3	3	3	3	3	3	3	3	3	3	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	2	2	2	2	2	1	1	1	1	1	1
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	3	3	3	3	3	3	2	2	2	2	2
68.75°	3	3	3	3	3	3	3	3	3	3	2
67.5°	3	3	3	3	3	3	3	3	3	3	3
66.25°	3	3	3	3	3	3	3	3	3	3	3
65°	3	3	3	3	3	3	3	3	3	3	3
63.75°	4	4	4	4	4	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°	4	4	4	4	4	4	4	4	4	4	4
58.75°	5	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	4	4	4	4	4	4
56.25°	6	6	5	5	5	5	5	5	4	4	4
55°	7	6	6	6	6	5	5	5	5	5	4
53.75°	15	13	10	8	6	6	6	6	5	5	5
52.5°	22	20	18	16	13	10	8	6	6	6	5
51.25°	29	27	25	23	20	17	15	12	9	6	6
50°	36	34	32	29	27	24	22	18	15	12	9
48.75°	43	41	38	36	33	31	28	25	22	18	15
47.5°	49	47	44	42	40	37	34	31	28	25	21
46.25°	55	53	50	48	45	43	40	37	34	31	27
45°	61	59	56	54	51	48	46	43	40	36	33
43.75°	67	64	62	59	57	54	51	48	45	42	38
42.5°	74	71	68	65	62	59	56	53	50	47	43
41.25°	81	78	75	72	68	65	62	59	55	52	48
40°	90	86	82	78	75	71	67	64	60	57	53
38.75°	99	95	91	86	81	77	74	69	65	62	58
37.5°	111	105	99	94	90	84	80	75	71	67	63
36.25°	125	118	111	103	98	92	87	81	77	72	68
35°	139	131	124	116	108	100	95	89	83	78	73



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	156	147	137	128	120	111	102	96	90	84	78
32.5°	172	163	153	142	132	123	114	105	97	91	84
31.25°	193	180	168	157	146	135	125	116	106	98	91
30°	213	200	186	172	161	149	137	126	116	106	97
28.75°	241	220	206	191	176	163	150	138	126	116	105
27.5°	276	251	225	210	194	177	164	150	137	125	114
26.25°	311	285	258	231	212	195	177	163	149	135	123
25°	387	324	290	262	232	212	194	176	161	146	132
23.75°	465	400	333	292	262	231	210	191	172	157	142
22.5°	546	474	404	333	290	258	225	206	186	168	153
21.25°	637	552	474	400	324	285	251	220	200	180	163
20°	729	637	546	465	387	311	276	241	213	193	172
18.75°	817	723	625	529	447	366	300	264	228	205	183
17.5°	898	804	704	603	505	421	336	286	249	217	195
16.25°	972	880	780	674	569	474	386	306	268	230	205
15°	1036	949	850	743	633	524	434	344	287	248	215
13.75°	1088	1010	913	807	694	581	479	387	305	265	225
12.5°	1125	1059	969	865	752	635	521	426	332	280	239
11.25°	1155	1100	1020	918	805	686	567	463	367	294	253
10°	1179	1128	1058	963	852	732	610	496	398	307	265
8.75°	1202	1152	1092	1002	892	773	648	527	426	327	276
7.5°	1222	1170	1114	1034	928	809	683	559	451	350	286
6.25°	1239	1186	1132	1058	957	839	712	586	472	371	294
5°	1254	1199	1147	1079	980	863	737	608	490	387	301
3.75°	1266	1210	1156	1094	998	882	756	625	503	400	306
2.5°	1274	1218	1163	1103	1012	896	769	638	513	409	310
1.25°	1279	1223	1168	1108	1020	904	777	646	519	415	312
0°	1281	1224	1169	1109	1022	907	780	649	521	417	313
-1.25°	1279	1223	1168	1108	1020	904	777	646	519	415	312
-2.5°	1274	1218	1163	1103	1012	896	769	638	513	409	310
-3.75°	1266	1210	1156	1094	998	882	756	625	503	400	306
-5°	1254	1199	1147	1079	980	863	737	608	490	387	301
-6.25°	1239	1186	1132	1058	957	839	712	586	472	371	294
-7.5°	1222	1170	1114	1034	928	809	683	559	451	350	286
-8.75°	1202	1152	1092	1002	892	773	648	527	426	327	276
-10°	1179	1128	1058	963	852	732	610	496	398	307	265
-11.25°	1155	1100	1020	918	805	686	567	463	367	294	253
-12.5°	1125	1059	969	865	752	635	521	426	332	280	239
-13.75°	1088	1010	913	807	694	581	479	387	305	265	225
-15°	1036	949	850	743	633	524	434	344	287	248	215
-16.25°	972	880	780	674	569	474	386	306	268	230	205
-17.5°	898	804	704	603	505	421	336	286	249	217	195
-18.75°	817	723	625	529	447	366	300	264	228	205	183
-20°	729	637	546	465	387	311	276	241	213	193	172
-21.25°	637	552	474	400	324	285	251	220	200	180	163



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	546	474	404	333	290	258	225	206	186	168	153
-23.75°	465	400	333	292	262	231	210	191	172	157	142
-25°	387	324	290	262	232	212	194	176	161	146	132
-26.25°	311	285	258	231	212	195	177	163	149	135	123
-27.5°	276	251	225	210	194	177	164	150	137	125	114
-28.75°	241	220	206	191	176	163	150	138	126	116	105
-30°	213	200	186	172	161	149	137	126	116	106	97
-31.25°	193	180	168	157	146	135	125	116	106	98	91
-32.5°	172	163	153	142	132	123	114	105	97	91	84
-33.75°	156	147	137	128	120	111	102	96	90	84	78
-35°	139	131	124	116	108	100	95	89	83	78	73
-36.25°	125	118	111	103	98	92	87	81	77	72	68
-37.5°	111	105	99	94	90	84	80	75	71	67	63
-38.75°	99	95	91	86	81	77	74	69	65	62	58
-40°	90	86	82	78	75	71	67	64	60	57	53
-41.25°	81	78	75	72	68	65	62	59	55	52	48
-42.5°	74	71	68	65	62	59	56	53	50	47	43
-43.75°	67	64	62	59	57	54	51	48	45	42	38
-45°	61	59	56	54	51	48	46	43	40	36	33
-46.25°	55	53	50	48	45	43	40	37	34	31	27
-47.5°	49	47	44	42	40	37	34	31	28	25	21
-48.75°	43	41	38	36	33	31	28	25	22	18	15
-50°	36	34	32	29	27	24	22	18	15	12	9
-51.25°	29	27	25	23	20	17	15	12	9	6	6
-52.5°	22	20	18	16	13	10	8	6	6	6	5
-53.75°	15	13	10	8	6	6	6	6	5	5	5
-55°	7	6	6	6	6	5	5	5	5	5	4
-56.25°	6	6	5	5	5	5	5	5	4	4	4
-57.5°	5	5	5	5	5	4	4	4	4	4	4
-58.75°	5	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	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°	4	4	4	4	4	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-66.25°	3	3	3	3	3	3	3	3	3	3	3
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-68.75°	3	3	3	3	3	3	3	3	3	3	2
-70°	3	3	3	3	3	3	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	0	0	0	0	0	0	0	0	0
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	2	2	2	2	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	1	1	1	1
68.75°	2	2	2	2	2	2	2	2	2	2	1
67.5°	3	3	3	2	2	2	2	2	2	2	2
66.25°	3	3	3	3	3	3	2	2	2	2	2
65°	3	3	3	3	3	3	3	3	2	2	2
63.75°	3	3	3	3	3	3	3	3	3	3	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	3	3	3	3	3	3	3	3	3	3
60°	4	4	4	3	3	3	3	3	3	3	3
58.75°	4	4	4	4	4	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	3	3	3	3
56.25°	4	4	4	4	4	4	4	4	4	3	3
55°	4	4	4	4	4	4	4	4	4	4	3
53.75°	5	4	4	4	4	4	4	4	4	4	4
52.5°	5	5	5	4	4	4	4	4	4	4	4
51.25°	6	5	5	5	5	4	4	4	4	4	4
50°	6	6	6	5	5	5	4	4	4	4	4
48.75°	11	8	6	6	5	5	5	5	4	4	4
47.5°	18	14	10	6	6	6	5	5	5	4	4
46.25°	24	20	16	12	7	6	6	5	5	5	4
45°	29	26	22	17	13	8	6	6	5	5	5
43.75°	35	31	27	23	18	14	9	6	6	5	5
42.5°	40	36	32	28	24	19	14	9	6	6	5
41.25°	45	41	37	33	29	24	19	14	9	6	6
40°	50	46	42	38	33	29	24	19	14	8	6
38.75°	54	50	46	42	38	33	29	24	18	13	7
37.5°	59	55	51	46	42	38	33	28	23	17	12
36.25°	63	59	55	51	46	42	37	32	27	22	16
35°	68	63	59	55	50	46	41	36	31	26	20



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	73	68	63	59	54	50	45	40	35	29	24
32.5°	78	73	68	63	58	53	48	43	38	33	27
31.25°	84	78	72	67	62	57	52	47	42	36	31
30°	90	83	77	71	65	60	55	50	45	40	34
28.75°	96	89	81	75	69	64	59	53	48	43	37
27.5°	102	95	87	80	74	67	62	56	51	46	40
26.25°	111	100	92	84	77	71	65	59	54	48	43
25°	120	108	98	90	81	75	68	62	57	51	45
23.75°	128	116	103	94	86	78	72	65	59	54	48
22.5°	137	124	111	99	91	82	75	68	62	56	50
21.25°	147	131	118	105	95	86	78	71	64	59	53
20°	156	139	125	111	99	90	81	74	67	61	55
18.75°	164	148	131	117	104	94	85	77	70	63	57
17.5°	173	156	138	123	109	98	88	79	72	65	59
16.25°	183	163	146	129	115	101	91	82	74	67	61
15°	192	170	152	134	120	105	94	85	77	69	62
13.75°	201	178	159	141	124	110	97	88	79	71	64
12.5°	209	186	164	146	129	114	100	90	80	73	65
11.25°	217	193	170	151	133	118	102	92	82	74	67
10°	224	199	175	156	137	121	106	94	84	76	68
8.75°	234	205	180	160	141	124	109	96	86	77	69
7.5°	243	210	185	163	144	127	111	98	88	78	70
6.25°	251	214	189	166	147	129	113	99	89	79	71
5°	257	218	193	169	149	131	115	100	90	80	72
3.75°	262	221	195	171	151	132	116	101	91	81	73
2.5°	266	223	197	172	153	133	117	102	91	81	73
1.25°	268	224	198	173	153	134	118	102	92	81	73
0°	269	224	199	173	154	134	118	102	92	81	73
-1.25°	268	224	198	173	153	134	118	102	92	81	73
-2.5°	266	223	197	172	153	133	117	102	91	81	73
-3.75°	262	221	195	171	151	132	116	101	91	81	73
-5°	257	218	193	169	149	131	115	100	90	80	72
-6.25°	251	214	189	166	147	129	113	99	89	79	71
-7.5°	243	210	185	163	144	127	111	98	88	78	70
-8.75°	234	205	180	160	141	124	109	96	86	77	69
-10°	224	199	175	156	137	121	106	94	84	76	68
-11.25°	217	193	170	151	133	118	102	92	82	74	67
-12.5°	209	186	164	146	129	114	100	90	80	73	65
-13.75°	201	178	159	141	124	110	97	88	79	71	64
-15°	192	170	152	134	120	105	94	85	77	69	62
-16.25°	183	163	146	129	115	101	91	82	74	67	61
-17.5°	173	156	138	123	109	98	88	79	72	65	59
-18.75°	164	148	131	117	104	94	85	77	70	63	57
-20°	156	139	125	111	99	90	81	74	67	61	55
-21.25°	147	131	118	105	95	86	78	71	64	59	53



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	137	124	111	99	91	82	75	68	62	56	50
-23.75°	128	116	103	94	86	78	72	65	59	54	48
-25°	120	108	98	90	81	75	68	62	57	51	45
-26.25°	111	100	92	84	77	71	65	59	54	48	43
-27.5°	102	95	87	80	74	67	62	56	51	46	40
-28.75°	96	89	81	75	69	64	59	53	48	43	37
-30°	90	83	77	71	65	60	55	50	45	40	34
-31.25°	84	78	72	67	62	57	52	47	42	36	31
-32.5°	78	73	68	63	58	53	48	43	38	33	27
-33.75°	73	68	63	59	54	50	45	40	35	29	24
-35°	68	63	59	55	50	46	41	36	31	26	20
-36.25°	63	59	55	51	46	42	37	32	27	22	16
-37.5°	59	55	51	46	42	38	33	28	23	17	12
-38.75°	54	50	46	42	38	33	29	24	18	13	7
-40°	50	46	42	38	33	29	24	19	14	8	6
-41.25°	45	41	37	33	29	24	19	14	9	6	6
-42.5°	40	36	32	28	24	19	14	9	6	6	5
-43.75°	35	31	27	23	18	14	9	6	6	5	5
-45°	29	26	22	17	13	8	6	6	5	5	5
-46.25°	24	20	16	12	7	6	6	5	5	5	4
-47.5°	18	14	10	6	6	6	5	5	5	4	4
-48.75°	11	8	6	6	5	5	5	5	4	4	4
-50°	6	6	6	5	5	5	4	4	4	4	4
-51.25°	6	5	5	5	5	4	4	4	4	4	4
-52.5°	5	5	5	4	4	4	4	4	4	4	4
-53.75°	5	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	3
-56.25°	4	4	4	4	4	4	4	4	4	3	3
-57.5°	4	4	4	4	4	4	4	3	3	3	3
-58.75°	4	4	4	4	4	3	3	3	3	3	3
-60°	4	4	4	3	3	3	3	3	3	3	3
-61.25°	4	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	2
-65°	3	3	3	3	3	3	3	3	2	2	2
-66.25°	3	3	3	3	3	3	2	2	2	2	2
-67.5°	3	3	3	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	1
-70°	2	2	2	2	2	2	2	1	1	1	1
-71.25°	2	2	2	2	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	0	0	0
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
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	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	1	1	1	1	1	1
63.75°	2	2	2	2	2	2	2	1	1	1	1
62.5°	3	2	2	2	2	2	2	2	1	1	1
61.25°	3	3	3	2	2	2	2	2	2	1	1
60°	3	3	3	3	2	2	2	2	2	2	1
58.75°	3	3	3	3	3	3	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	2	2	2	2
56.25°	3	3	3	3	3	3	3	3	2	2	2
55°	3	3	3	3	3	3	3	3	3	2	2
53.75°	4	3	3	3	3	3	3	3	3	3	2
52.5°	4	4	3	3	3	3	3	3	3	3	2
51.25°	4	4	4	3	3	3	3	3	3	3	3
50°	4	4	4	4	3	3	3	3	3	3	3
48.75°	4	4	4	4	4	3	3	3	3	3	3
47.5°	4	4	4	4	4	4	3	3	3	3	3
46.25°	4	4	4	4	4	4	3	3	3	3	3
45°	4	4	4	4	4	4	4	3	3	3	3
43.75°	5	4	4	4	4	4	4	4	3	3	3
42.5°	5	5	4	4	4	4	4	4	3	3	3
41.25°	5	5	4	4	4	4	4	4	4	3	3
40°	6	5	5	4	4	4	4	4	4	3	3
38.75°	6	5	5	5	4	4	4	4	4	4	3
37.5°	6	6	5	5	4	4	4	4	4	4	3
36.25°	10	6	6	5	5	4	4	4	4	4	4
35°	14	8	6	5	5	4	4	4	4	4	4



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	18	11	6	6	5	5	4	4	4	4	4
32.5°	21	15	9	6	5	5	4	4	4	4	4
31.25°	25	18	12	6	6	5	5	4	4	4	4
30°	28	22	15	9	6	5	5	4	4	4	4
28.75°	31	25	18	12	6	6	5	5	4	4	4
27.5°	34	28	22	15	8	6	5	5	4	4	4
26.25°	37	31	24	17	10	6	5	5	4	4	4
25°	40	33	27	20	13	6	6	5	5	4	4
23.75°	42	36	29	23	16	8	6	5	5	4	4
22.5°	44	38	32	25	18	10	6	5	5	4	4
21.25°	47	41	34	27	20	13	6	6	5	4	4
20°	49	43	36	29	22	15	7	6	5	5	4
18.75°	51	44	38	31	24	17	9	6	5	5	4
17.5°	53	46	40	33	26	19	11	6	5	5	4
16.25°	54	48	42	35	28	20	12	6	5	5	4
15°	56	50	43	36	29	22	14	6	6	5	4
13.75°	57	51	44	38	31	23	15	7	6	5	4
12.5°	59	52	46	39	32	25	17	9	6	5	5
11.25°	60	53	47	40	33	26	18	10	6	5	5
10°	61	55	48	41	34	27	19	11	6	5	5
8.75°	62	56	49	42	35	28	20	12	6	5	5
7.5°	63	56	50	43	36	29	21	13	6	5	5
6.25°	64	57	50	44	37	29	22	13	6	5	5
5°	64	58	51	44	37	30	22	14	6	6	5
3.75°	65	58	51	45	38	30	23	14	6	6	5
2.5°	65	58	52	45	38	30	23	15	6	6	5
1.25°	65	59	52	45	38	31	23	15	6	6	5
0°	65	59	52	45	38	31	23	15	6	6	5
-1.25°	65	59	52	45	38	31	23	15	6	6	5
-2.5°	65	58	52	45	38	30	23	15	6	6	5
-3.75°	65	58	51	45	38	30	23	14	6	6	5
-5°	64	58	51	44	37	30	22	14	6	6	5
-6.25°	64	57	50	44	37	29	22	13	6	5	5
-7.5°	63	56	50	43	36	29	21	13	6	5	5
-8.75°	62	56	49	42	35	28	20	12	6	5	5
-10°	61	55	48	41	34	27	19	11	6	5	5
-11.25°	60	53	47	40	33	26	18	10	6	5	5
-12.5°	59	52	46	39	32	25	17	9	6	5	5
-13.75°	57	51	44	38	31	23	15	7	6	5	4
-15°	56	50	43	36	29	22	14	6	6	5	4
-16.25°	54	48	42	35	28	20	12	6	5	5	4
-17.5°	53	46	40	33	26	19	11	6	5	5	4
-18.75°	51	44	38	31	24	17	9	6	5	5	4
-20°	49	43	36	29	22	15	7	6	5	5	4
-21.25°	47	41	34	27	20	13	6	6	5	4	4



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	44	38	32	25	18	10	6	5	5	4	4
-23.75°	42	36	29	23	16	8	6	5	5	4	4
-25°	40	33	27	20	13	6	6	5	5	4	4
-26.25°	37	31	24	17	10	6	5	5	4	4	4
-27.5°	34	28	22	15	8	6	5	5	4	4	4
-28.75°	31	25	18	12	6	6	5	5	4	4	4
-30°	28	22	15	9	6	5	5	4	4	4	4
-31.25°	25	18	12	6	6	5	5	4	4	4	4
-32.5°	21	15	9	6	5	5	4	4	4	4	4
-33.75°	18	11	6	6	5	5	4	4	4	4	4
-35°	14	8	6	5	5	4	4	4	4	4	4
-36.25°	10	6	6	5	5	4	4	4	4	4	4
-37.5°	6	6	5	5	4	4	4	4	4	4	3
-38.75°	6	5	5	5	4	4	4	4	4	4	3
-40°	6	5	5	4	4	4	4	4	4	3	3
-41.25°	5	5	4	4	4	4	4	4	4	3	3
-42.5°	5	5	4	4	4	4	4	4	3	3	3
-43.75°	5	4	4	4	4	4	4	4	3	3	3
-45°	4	4	4	4	4	4	4	3	3	3	3
-46.25°	4	4	4	4	4	4	3	3	3	3	3
-47.5°	4	4	4	4	4	4	3	3	3	3	3
-48.75°	4	4	4	4	4	3	3	3	3	3	3
-50°	4	4	4	4	3	3	3	3	3	3	3
-51.25°	4	4	4	3	3	3	3	3	3	3	3
-52.5°	4	4	3	3	3	3	3	3	3	3	2
-53.75°	4	3	3	3	3	3	3	3	3	3	2
-55°	3	3	3	3	3	3	3	3	3	2	2
-56.25°	3	3	3	3	3	3	3	3	2	2	2
-57.5°	3	3	3	3	3	3	3	2	2	2	2
-58.75°	3	3	3	3	3	3	2	2	2	2	2
-60°	3	3	3	3	2	2	2	2	2	2	1
-61.25°	3	3	3	2	2	2	2	2	2	1	1
-62.5°	3	2	2	2	2	2	2	2	1	1	1
-63.75°	2	2	2	2	2	2	2	1	1	1	1
-65°	2	2	2	2	2	1	1	1	1	1	1
-66.25°	2	2	2	1	1	1	1	1	1	1	1
-67.5°	2	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	0	0	0
-83.75°	1	1	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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	0	0	0	0	0	0	0	0	0	0
80°	1	1	1	1	0	0	0	0	0	0	0
78.75°	1	1	1	1	1	1	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	0
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
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°	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°	2	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	1	1	1	1	1	1	1	1
53.75°	2	2	2	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	1	1	1	1	1	1	1
51.25°	2	2	2	2	1	1	1	1	1	1	1
50°	3	2	2	2	2	1	1	1	1	1	1
48.75°	3	2	2	2	2	1	1	1	1	1	1
47.5°	3	3	2	2	2	2	1	1	1	1	1
46.25°	3	3	2	2	2	2	1	1	1	1	1
45°	3	3	3	2	2	2	2	1	1	1	1
43.75°	3	3	3	2	2	2	2	1	1	1	1
42.5°	3	3	3	3	2	2	2	1	1	1	1
41.25°	3	3	3	3	2	2	2	2	1	1	1
40°	3	3	3	3	3	2	2	2	1	1	1
38.75°	3	3	3	3	3	2	2	2	1	1	1
37.5°	3	3	3	3	3	2	2	2	2	1	1
36.25°	3	3	3	3	3	3	2	2	2	1	1
35°	3	3	3	3	3	3	2	2	2	1	1



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	4	3	3	3	3	3	2	2	2	1	1
32.5°	4	3	3	3	3	3	2	2	2	2	1
31.25°	4	3	3	3	3	3	3	2	2	2	1
30°	4	4	3	3	3	3	3	2	2	2	1
28.75°	4	4	3	3	3	3	3	2	2	2	1
27.5°	4	4	3	3	3	3	3	2	2	2	1
26.25°	4	4	3	3	3	3	3	3	2	2	1
25°	4	4	4	3	3	3	3	3	2	2	2
23.75°	4	4	4	3	3	3	3	3	2	2	2
22.5°	4	4	4	3	3	3	3	3	2	2	2
21.25°	4	4	4	3	3	3	3	3	2	2	2
20°	4	4	4	3	3	3	3	3	2	2	2
18.75°	4	4	4	4	3	3	3	3	2	2	2
17.5°	4	4	4	4	3	3	3	3	3	2	2
16.25°	4	4	4	4	3	3	3	3	3	2	2
15°	4	4	4	4	3	3	3	3	3	2	2
13.75°	4	4	4	4	3	3	3	3	3	2	2
12.5°	4	4	4	4	3	3	3	3	3	2	2
11.25°	4	4	4	4	3	3	3	3	3	2	2
10°	4	4	4	4	3	3	3	3	3	2	2
8.75°	4	4	4	4	4	3	3	3	3	2	2
7.5°	4	4	4	4	4	3	3	3	3	2	2
6.25°	4	4	4	4	4	3	3	3	3	2	2
5°	4	4	4	4	4	3	3	3	3	2	2
3.75°	4	4	4	4	4	3	3	3	3	2	2
2.5°	4	4	4	4	4	3	3	3	3	2	2
1.25°	4	4	4	4	4	3	3	3	3	2	2
0°	4	4	4	4	4	3	3	3	3	2	2
-1.25°	4	4	4	4	4	3	3	3	3	2	2
-2.5°	4	4	4	4	4	3	3	3	3	2	2
-3.75°	4	4	4	4	4	3	3	3	3	2	2
-5°	4	4	4	4	4	3	3	3	3	2	2
-6.25°	4	4	4	4	4	3	3	3	3	2	2
-7.5°	4	4	4	4	4	3	3	3	3	2	2
-8.75°	4	4	4	4	4	3	3	3	3	2	2
-10°	4	4	4	4	3	3	3	3	3	2	2
-11.25°	4	4	4	4	3	3	3	3	3	2	2
-12.5°	4	4	4	4	3	3	3	3	3	2	2
-13.75°	4	4	4	4	3	3	3	3	3	2	2
-15°	4	4	4	4	3	3	3	3	3	2	2
-16.25°	4	4	4	4	3	3	3	3	3	2	2
-17.5°	4	4	4	4	3	3	3	3	3	2	2
-18.75°	4	4	4	4	3	3	3	3	2	2	2
-20°	4	4	4	3	3	3	3	3	2	2	2
-21.25°	4	4	4	3	3	3	3	3	2	2	2



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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	4	4	3	3	3	3	3	2	2	2
-23.75°	4	4	4	3	3	3	3	3	2	2	2
-25°	4	4	4	3	3	3	3	3	2	2	2
-26.25°	4	4	3	3	3	3	3	3	2	2	1
-27.5°	4	4	3	3	3	3	3	2	2	2	1
-28.75°	4	4	3	3	3	3	3	2	2	2	1
-30°	4	4	3	3	3	3	3	2	2	2	1
-31.25°	4	3	3	3	3	3	3	2	2	2	1
-32.5°	4	3	3	3	3	3	2	2	2	2	1
-33.75°	4	3	3	3	3	3	2	2	2	1	1
-35°	3	3	3	3	3	3	2	2	2	1	1
-36.25°	3	3	3	3	3	3	2	2	2	1	1
-37.5°	3	3	3	3	3	2	2	2	2	1	1
-38.75°	3	3	3	3	3	2	2	2	1	1	1
-40°	3	3	3	3	3	2	2	2	1	1	1
-41.25°	3	3	3	3	2	2	2	2	1	1	1
-42.5°	3	3	3	3	2	2	2	1	1	1	1
-43.75°	3	3	3	2	2	2	2	1	1	1	1
-45°	3	3	3	2	2	2	2	1	1	1	1
-46.25°	3	3	2	2	2	2	1	1	1	1	1
-47.5°	3	3	2	2	2	2	1	1	1	1	1
-48.75°	3	2	2	2	2	1	1	1	1	1	1
-50°	3	2	2	2	2	1	1	1	1	1	1
-51.25°	2	2	2	2	1	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-53.75°	2	2	2	1	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	1
-57.5°	2	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	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	0
-77.5°	1	1	1	1	1	1	1	1	0	0	0



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	0	0	0	0	0
-80°	1	1	1	1	0	0	0	0	0	0	0
-81.25°	1	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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	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	0	0	0	0	0	0	0	0	0
70°	1	1	1	0	0	0	0	0	0	0	0
68.75°	1	1	1	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	0	0	0	0	0	0	0
66.25°	1	1	1	1	0	0	0	0	0	0	0
65°	1	1	1	1	1	0	0	0	0	0	0
63.75°	1	1	1	1	1	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	0	0	0	0	0
58.75°	1	1	1	1	1	1	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
56.25°	1	1	1	1	1	1	1	0	0	0	0
55°	1	1	1	1	1	1	1	0	0	0	0
53.75°	1	1	1	1	1	1	1	0	0	0	0
52.5°	1	1	1	1	1	1	1	0	0	0	0
51.25°	1	1	1	1	1	1	1	0	0	0	0
50°	1	1	1	1	1	1	1	0	0	0	0
48.75°	1	1	1	1	1	1	1	1	0	0	0
47.5°	1	1	1	1	1	1	1	1	0	0	0
46.25°	1	1	1	1	1	1	1	1	0	0	0
45°	1	1	1	1	1	1	1	1	0	0	0
43.75°	1	1	1	1	1	1	1	1	0	0	0
42.5°	1	1	1	1	1	1	1	1	0	0	0
41.25°	1	1	1	1	1	1	1	1	0	0	0
40°	1	1	1	1	1	1	1	1	0	0	0
38.75°	1	1	1	1	1	1	1	1	0	0	0
37.5°	1	1	1	1	1	1	1	1	0	0	0
36.25°	1	1	1	1	1	1	1	1	0	0	0
35°	1	1	1	1	1	1	1	1	1	0	0



REPORT NUMBER: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	1	1	1	1	1	1	1	1	1	0	0
32.5°	1	1	1	1	1	1	1	1	1	0	0
31.25°	1	1	1	1	1	1	1	1	1	0	0
30°	1	1	1	1	1	1	1	1	1	0	0
28.75°	1	1	1	1	1	1	1	1	1	0	0
27.5°	1	1	1	1	1	1	1	1	1	0	0
26.25°	1	1	1	1	1	1	1	1	1	0	0
25°	1	1	1	1	1	1	1	1	1	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°	1	1	1	1	1	1	1	1	1	0	0
18.75°	1	1	1	1	1	1	1	1	1	0	0
17.5°	1	1	1	1	1	1	1	1	1	0	0
16.25°	1	1	1	1	1	1	1	1	1	0	0
15°	1	1	1	1	1	1	1	1	1	0	0
13.75°	1	1	1	1	1	1	1	1	1	0	0
12.5°	1	1	1	1	1	1	1	1	1	0	0
11.25°	2	1	1	1	1	1	1	1	1	0	0
10°	2	1	1	1	1	1	1	1	1	0	0
8.75°	2	1	1	1	1	1	1	1	1	0	0
7.5°	2	1	1	1	1	1	1	1	1	0	0
6.25°	2	1	1	1	1	1	1	1	1	0	0
5°	2	1	1	1	1	1	1	1	1	0	0
3.75°	2	1	1	1	1	1	1	1	1	0	0
2.5°	2	1	1	1	1	1	1	1	1	0	0
1.25°	2	1	1	1	1	1	1	1	1	0	0
0°	2	1	1	1	1	1	1	1	1	0	0
-1.25°	2	1	1	1	1	1	1	1	1	0	0
-2.5°	2	1	1	1	1	1	1	1	1	0	0
-3.75°	2	1	1	1	1	1	1	1	1	0	0
-5°	2	1	1	1	1	1	1	1	1	0	0
-6.25°	2	1	1	1	1	1	1	1	1	0	0
-7.5°	2	1	1	1	1	1	1	1	1	0	0
-8.75°	2	1	1	1	1	1	1	1	1	0	0
-10°	2	1	1	1	1	1	1	1	1	0	0
-11.25°	2	1	1	1	1	1	1	1	1	0	0
-12.5°	1	1	1	1	1	1	1	1	1	0	0
-13.75°	1	1	1	1	1	1	1	1	1	0	0
-15°	1	1	1	1	1	1	1	1	1	0	0
-16.25°	1	1	1	1	1	1	1	1	1	0	0
-17.5°	1	1	1	1	1	1	1	1	1	0	0
-18.75°	1	1	1	1	1	1	1	1	1	0	0
-20°	1	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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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°	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	1	0	0
-26.25°	1	1	1	1	1	1	1	1	1	0	0
-27.5°	1	1	1	1	1	1	1	1	1	0	0
-28.75°	1	1	1	1	1	1	1	1	1	0	0
-30°	1	1	1	1	1	1	1	1	1	0	0
-31.25°	1	1	1	1	1	1	1	1	1	0	0
-32.5°	1	1	1	1	1	1	1	1	1	0	0
-33.75°	1	1	1	1	1	1	1	1	1	0	0
-35°	1	1	1	1	1	1	1	1	1	0	0
-36.25°	1	1	1	1	1	1	1	1	0	0	0
-37.5°	1	1	1	1	1	1	1	1	0	0	0
-38.75°	1	1	1	1	1	1	1	1	0	0	0
-40°	1	1	1	1	1	1	1	1	0	0	0
-41.25°	1	1	1	1	1	1	1	1	0	0	0
-42.5°	1	1	1	1	1	1	1	1	0	0	0
-43.75°	1	1	1	1	1	1	1	1	0	0	0
-45°	1	1	1	1	1	1	1	1	0	0	0
-46.25°	1	1	1	1	1	1	1	1	0	0	0
-47.5°	1	1	1	1	1	1	1	1	0	0	0
-48.75°	1	1	1	1	1	1	1	1	0	0	0
-50°	1	1	1	1	1	1	1	0	0	0	0
-51.25°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	1	1	0	0	0	0
-53.75°	1	1	1	1	1	1	1	0	0	0	0
-55°	1	1	1	1	1	1	1	0	0	0	0
-56.25°	1	1	1	1	1	1	1	0	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-58.75°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	1	1	1	0	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	1	1	0	0	0	0	0	0
-65°	1	1	1	1	1	0	0	0	0	0	0
-66.25°	1	1	1	1	0	0	0	0	0	0	0
-67.5°	1	1	1	1	0	0	0	0	0	0	0
-68.75°	1	1	1	0	0	0	0	0	0	0	0
-70°	1	1	1	0	0	0	0	0	0	0	0
-71.25°	1	1	0	0	0	0	0	0	0	0	0
-72.5°	1	1	0	0	0	0	0	0	0	0	0
-73.75°	1	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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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: P220702 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3090-W-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)