

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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

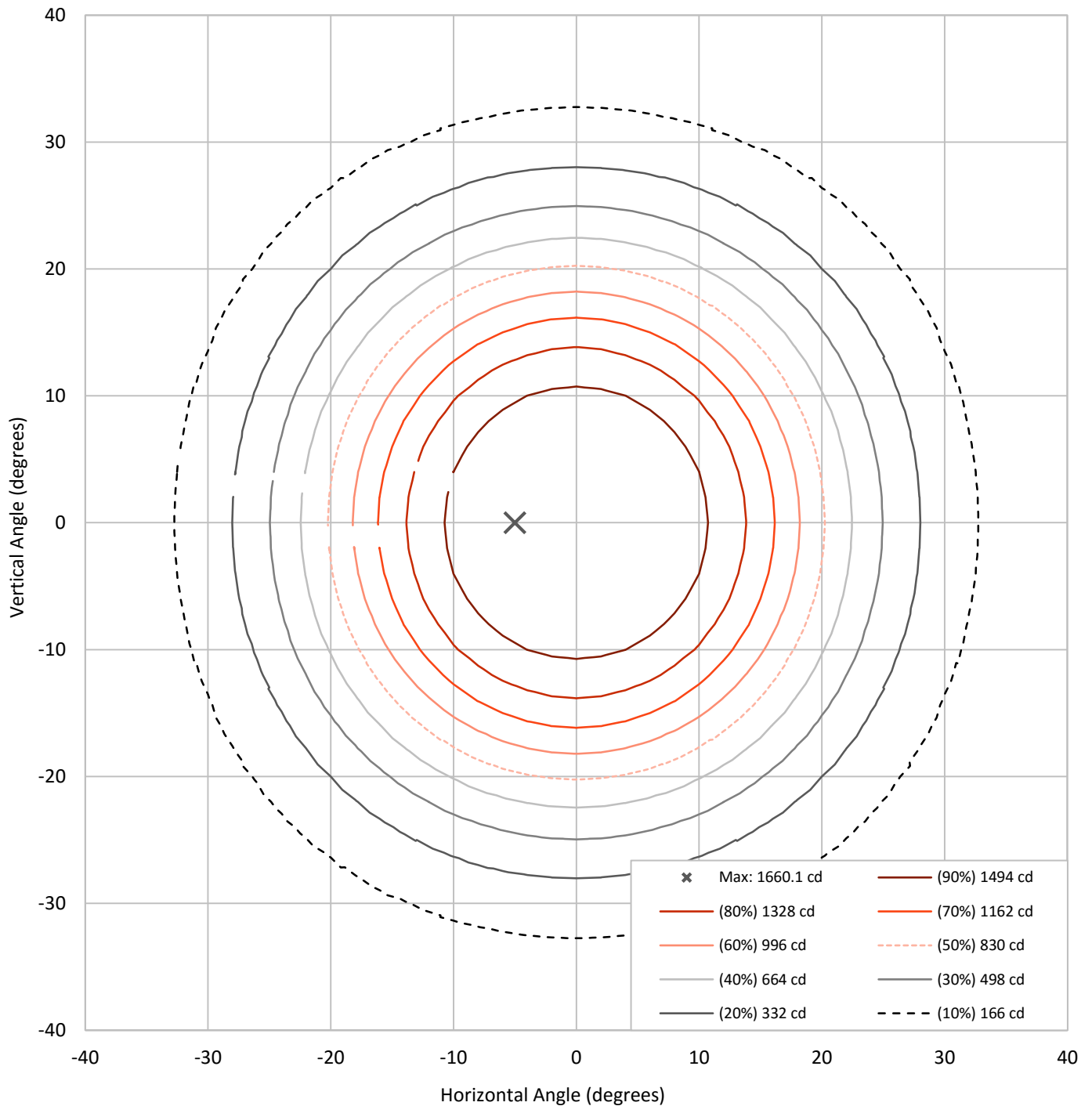
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	829.6 lumens	Max Intensity:	1660.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	83.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.5°H x 39.3°V	Field Angle (10%):	65.2°H x 64.7°V
Beam Lumens:	497.3 lumens	Field Lumens:	751.3 lumens
Beam Efficiency:	59.9%	Field Efficiency:	90.6%
Input Watts (W):	10		
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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-L1-UNV

Iso-Candela Plot





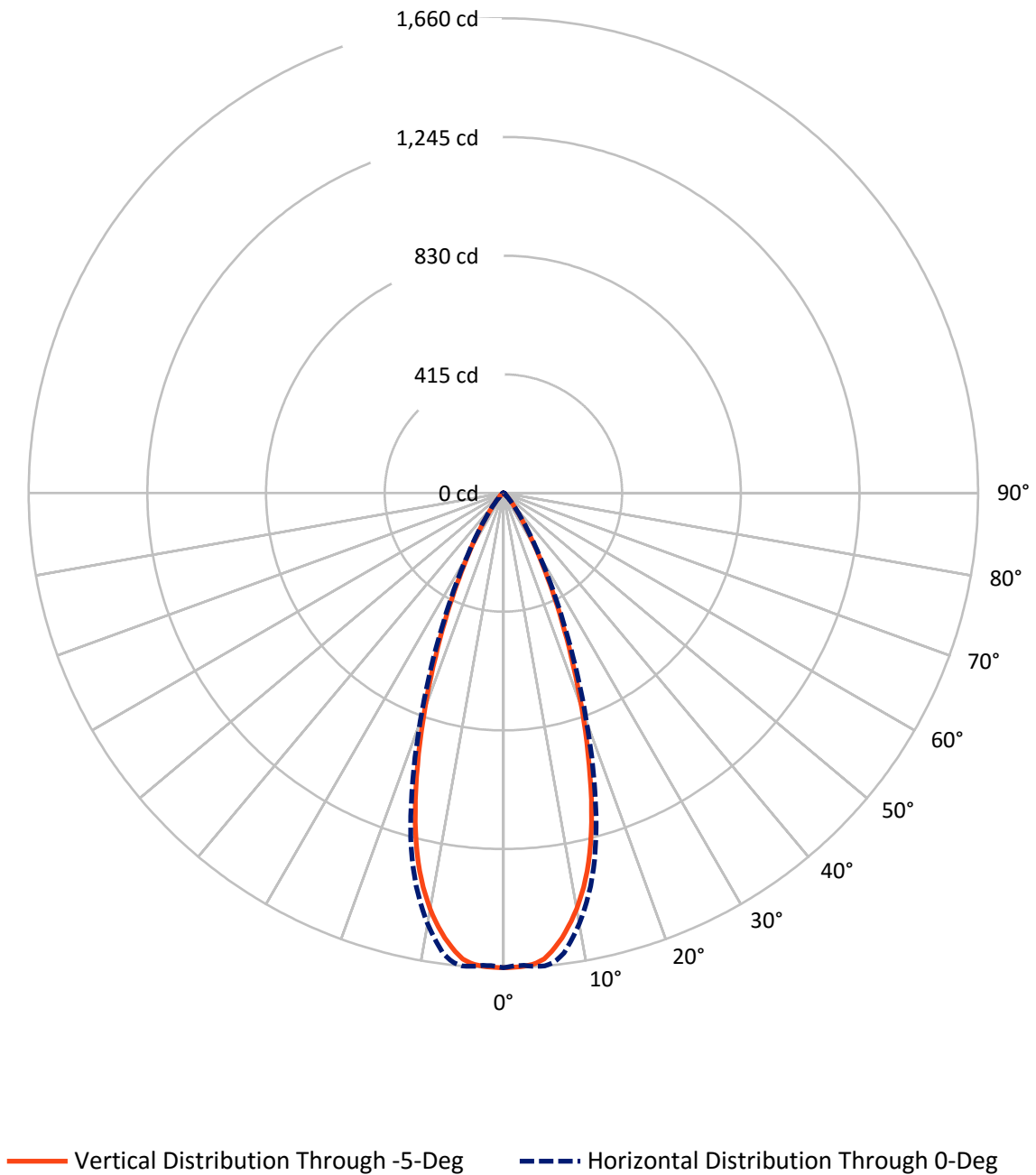
REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-L1-UNV

Lumen Table

90																			
80	0.0	0.0		0.1	0.2		0.2		0.2		0.1	0.0		0.0					
70																			
60	0.0	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	0.0			
50		0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0				
40	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.7	0.7	0.5	0.3	0.2	0.1	0.1	0.0	0.0			
30		0.0	0.1	0.2	0.4	1.1	2.4	3.6	3.6	2.4	1.1	0.4	0.2	0.1	0.0				
20	0.0	0.0	0.1	0.3	1.0	3.6	9.0	14.4	14.4	9.0	3.6	1.0	0.3	0.1	0.0	0.0			
10		0.1	0.1	0.4	2.0	8.5	22.4	35.0	35.0	22.4	8.5	2.0	0.4	0.1	0.1				
0	0.0	0.1	0.1	0.5	3.0	13.2	34.0	48.1	48.1	34.0	13.2	3.0	0.5	0.1	0.1	0.0			
-10		0.1	0.1	0.5	3.0	13.2	34.0	48.1	48.1	34.0	13.2	3.0	0.5	0.1	0.1				
-20	0.0	0.1	0.1	0.4	2.0	8.5	22.4	35.0	35.0	22.4	8.5	2.0	0.4	0.1	0.1	0.0			
-30		0.0	0.1	0.3	1.0	3.6	9.0	14.4	14.4	9.0	3.6	1.0	0.3	0.1	0.0				
-40	0.0	0.0	0.1	0.2	0.4	1.1	2.4	3.6	3.6	2.4	1.1	0.4	0.2	0.1	0.0	0.0			
-50		0.0	0.1	0.1	0.2	0.3	0.5	0.7	0.7	0.5	0.3	0.2	0.1	0.1	0.0				
-60	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0			
-70		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0				
-80	0.0	0.0		0.1	0.2		0.2		0.2		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

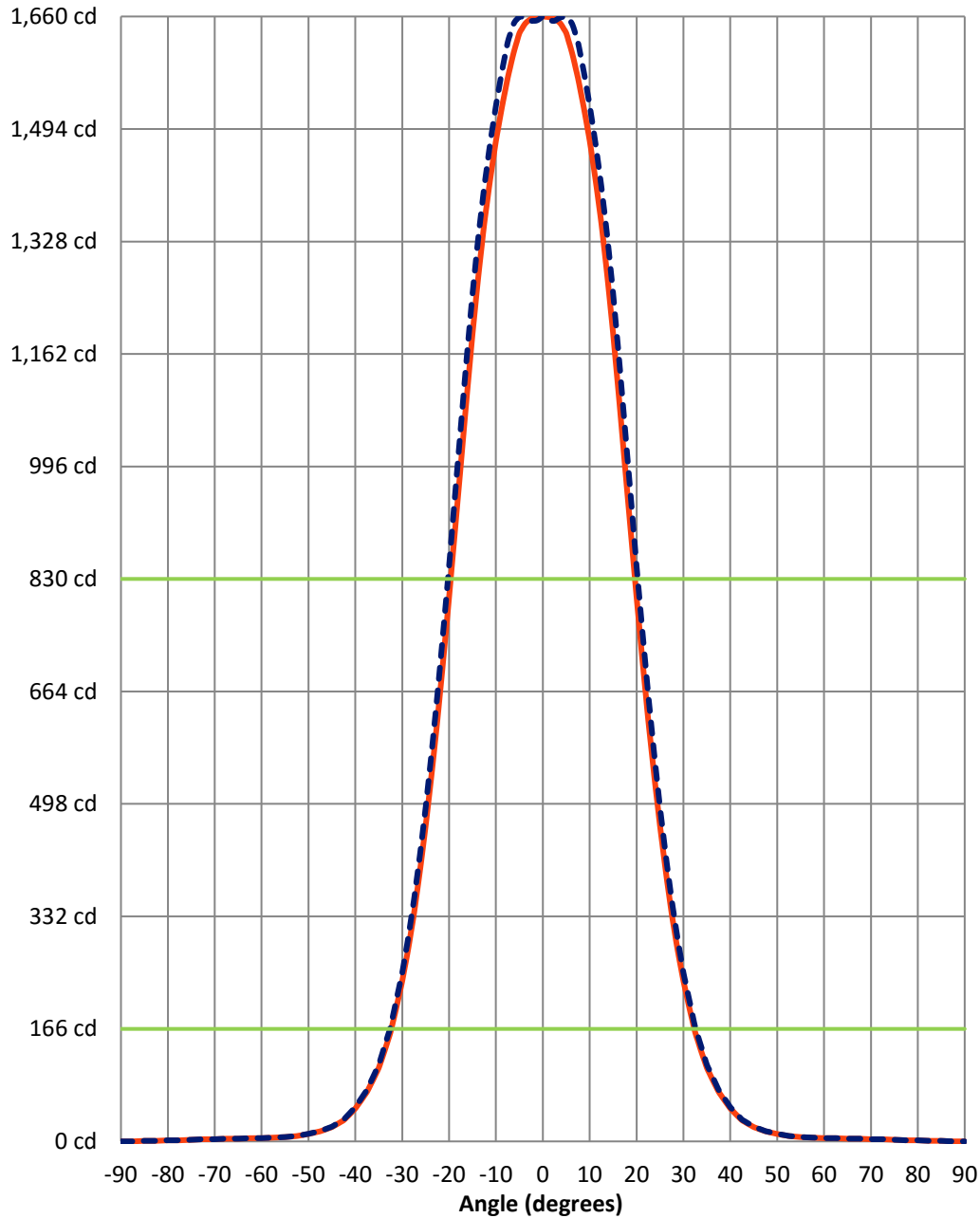
REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-L1-UNV

Luminous Intensity Polar Plot



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 40.5°
 V Angle: 39.3°
 Lumens: 497.3
 Efficiency: 59.9%

Field:
 H Angle: 65.2°
 V Angle: 64.7°
 Lumens: 751.3
 Efficiency: 90.6%

Spill:
 Lumens: 78.4
 Efficiency: 9.4%

- Vertical Distribution through -5-Deg
- - - Horizontal Distribution through 0-Deg



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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	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	2
37.5°	0	0	0	0	0	1	1	1	1	1	2
36.25°	0	0	0	0	0	1	1	1	1	1	2
35°	0	0	0	0	1	1	1	1	1	1	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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	1	1	1	1	1	1	2
32.5°	0	0	0	0	1	1	1	1	1	1	2
31.25°	0	0	0	0	1	1	1	1	1	1	2
30°	0	0	0	0	1	1	1	1	1	2	2
28.75°	0	0	0	0	1	1	1	1	1	2	2
27.5°	0	0	0	0	1	1	1	1	1	2	2
26.25°	0	0	0	0	1	1	1	1	1	2	2
25°	0	0	0	0	1	1	1	1	1	2	2
23.75°	0	0	0	0	1	1	1	1	1	2	2
22.5°	0	0	0	0	1	1	1	1	1	2	2
21.25°	0	0	0	0	1	1	1	1	1	2	2
20°	0	0	0	0	1	1	1	1	1	2	2
18.75°	0	0	0	0	1	1	1	1	1	2	2
17.5°	0	0	0	0	1	1	1	1	1	2	2
16.25°	0	0	0	0	1	1	1	1	1	2	2
15°	0	0	0	0	1	1	1	1	1	2	2
13.75°	0	0	0	0	1	1	1	1	2	2	2
12.5°	0	0	0	0	1	1	1	1	2	2	2
11.25°	0	0	0	0	1	1	1	1	2	2	2
10°	0	0	0	0	1	1	1	1	2	2	2
8.75°	0	0	0	0	1	1	1	1	2	2	2
7.5°	0	0	0	0	1	1	1	1	2	2	2
6.25°	0	0	0	0	1	1	1	1	2	2	2
5°	0	0	0	0	1	1	1	1	2	2	2
3.75°	0	0	0	0	1	1	1	1	2	2	2
2.5°	0	0	0	0	1	1	1	1	2	2	2
1.25°	0	0	0	0	1	1	1	1	2	2	2
0°	0	0	0	0	1	1	1	1	2	2	2
-1.25°	0	0	0	0	1	1	1	1	2	2	2
-2.5°	0	0	0	0	1	1	1	1	2	2	2
-3.75°	0	0	0	0	1	1	1	1	2	2	2
-5°	0	0	0	0	1	1	1	1	2	2	2
-6.25°	0	0	0	0	1	1	1	1	2	2	2
-7.5°	0	0	0	0	1	1	1	1	2	2	2
-8.75°	0	0	0	0	1	1	1	1	2	2	2
-10°	0	0	0	0	1	1	1	1	2	2	2
-11.25°	0	0	0	0	1	1	1	1	2	2	2
-12.5°	0	0	0	0	1	1	1	1	2	2	2
-13.75°	0	0	0	0	1	1	1	1	2	2	2
-15°	0	0	0	0	1	1	1	1	1	2	2
-16.25°	0	0	0	0	1	1	1	1	1	2	2
-17.5°	0	0	0	0	1	1	1	1	1	2	2
-18.75°	0	0	0	0	1	1	1	1	1	2	2
-20°	0	0	0	0	1	1	1	1	1	2	2
-21.25°	0	0	0	0	1	1	1	1	1	2	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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	1	1	1	1	1	2	2
-23.75°	0	0	0	0	1	1	1	1	1	2	2
-25°	0	0	0	0	1	1	1	1	1	2	2
-26.25°	0	0	0	0	1	1	1	1	1	2	2
-27.5°	0	0	0	0	1	1	1	1	1	2	2
-28.75°	0	0	0	0	1	1	1	1	1	2	2
-30°	0	0	0	0	1	1	1	1	1	2	2
-31.25°	0	0	0	0	1	1	1	1	1	1	2
-32.5°	0	0	0	0	1	1	1	1	1	1	2
-33.75°	0	0	0	0	1	1	1	1	1	1	2
-35°	0	0	0	0	1	1	1	1	1	1	2
-36.25°	0	0	0	0	0	1	1	1	1	1	2
-37.5°	0	0	0	0	0	1	1	1	1	1	2
-38.75°	0	0	0	0	0	1	1	1	1	1	2
-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



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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	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	2
66.25°	1	1	1	1	1	1	1	1	1	2	2
65°	1	1	1	1	1	1	1	1	2	2	2
63.75°	1	1	1	1	1	1	1	2	2	2	2
62.5°	1	1	1	1	1	1	1	2	2	2	2
61.25°	1	1	1	1	1	1	2	2	2	2	2
60°	1	1	1	1	1	2	2	2	2	2	2
58.75°	1	1	1	1	1	2	2	2	2	2	2
57.5°	1	1	1	1	2	2	2	2	2	2	2
56.25°	1	1	1	1	2	2	2	2	2	2	2
55°	1	1	1	2	2	2	2	2	2	2	2
53.75°	1	1	1	2	2	2	2	2	2	2	2
52.5°	1	1	2	2	2	2	2	2	2	2	3
51.25°	1	1	2	2	2	2	2	2	2	3	3
50°	1	1	2	2	2	2	2	2	2	3	3
48.75°	1	2	2	2	2	2	2	2	3	3	3
47.5°	1	2	2	2	2	2	2	2	3	3	3
46.25°	1	2	2	2	2	2	2	3	3	3	3
45°	1	2	2	2	2	2	2	3	3	3	3
43.75°	2	2	2	2	2	2	2	3	3	3	3
42.5°	2	2	2	2	2	2	3	3	3	3	3
41.25°	2	2	2	2	2	2	3	3	3	3	3
40°	2	2	2	2	2	2	3	3	3	3	3
38.75°	2	2	2	2	2	3	3	3	3	3	3
37.5°	2	2	2	2	2	3	3	3	3	3	3
36.25°	2	2	2	2	2	3	3	3	3	3	3
35°	2	2	2	2	2	3	3	3	3	3	4



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	2	2	2	2	3	3	3	3	3	3	4
32.5°	2	2	2	2	3	3	3	3	3	3	4
31.25°	2	2	2	2	3	3	3	3	3	4	4
30°	2	2	2	2	3	3	3	3	3	4	4
28.75°	2	2	2	2	3	3	3	3	3	4	4
27.5°	2	2	2	3	3	3	3	3	3	4	4
26.25°	2	2	2	3	3	3	3	3	4	4	4
25°	2	2	2	3	3	3	3	3	4	4	4
23.75°	2	2	2	3	3	3	3	3	4	4	4
22.5°	2	2	2	3	3	3	3	3	4	4	4
21.25°	2	2	2	3	3	3	3	3	4	4	4
20°	2	2	2	3	3	3	3	4	4	4	4
18.75°	2	2	3	3	3	3	3	4	4	4	4
17.5°	2	2	3	3	3	3	3	4	4	4	4
16.25°	2	2	3	3	3	3	3	4	4	4	4
15°	2	2	3	3	3	3	3	4	4	4	4
13.75°	2	2	3	3	3	3	3	4	4	4	4
12.5°	2	2	3	3	3	3	3	4	4	4	4
11.25°	2	2	3	3	3	3	3	4	4	4	4
10°	2	2	3	3	3	3	3	4	4	4	4
8.75°	2	2	3	3	3	3	4	4	4	4	4
7.5°	2	2	3	3	3	3	4	4	4	4	4
6.25°	2	2	3	3	3	3	4	4	4	4	4
5°	2	2	3	3	3	3	4	4	4	4	4
3.75°	2	2	3	3	3	3	4	4	4	4	4
2.5°	2	2	3	3	3	3	4	4	4	4	4
1.25°	2	2	3	3	3	3	4	4	4	4	4
0°	2	2	3	3	3	3	4	4	4	4	4
-1.25°	2	2	3	3	3	3	4	4	4	4	4
-2.5°	2	2	3	3	3	3	4	4	4	4	4
-3.75°	2	2	3	3	3	3	4	4	4	4	4
-5°	2	2	3	3	3	3	4	4	4	4	4
-6.25°	2	2	3	3	3	3	4	4	4	4	4
-7.5°	2	2	3	3	3	3	4	4	4	4	4
-8.75°	2	2	3	3	3	3	4	4	4	4	4
-10°	2	2	3	3	3	3	3	4	4	4	4
-11.25°	2	2	3	3	3	3	3	4	4	4	4
-12.5°	2	2	3	3	3	3	3	4	4	4	4
-13.75°	2	2	3	3	3	3	3	4	4	4	4
-15°	2	2	3	3	3	3	3	4	4	4	4
-16.25°	2	2	3	3	3	3	3	4	4	4	4
-17.5°	2	2	3	3	3	3	3	4	4	4	4
-18.75°	2	2	3	3	3	3	3	4	4	4	4
-20°	2	2	2	3	3	3	3	4	4	4	4
-21.25°	2	2	2	3	3	3	3	3	4	4	4



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	2	2	2	3	3	3	3	3	4	4	4
-23.75°	2	2	2	3	3	3	3	3	4	4	4
-25°	2	2	2	3	3	3	3	3	4	4	4
-26.25°	2	2	2	3	3	3	3	3	4	4	4
-27.5°	2	2	2	3	3	3	3	3	3	4	4
-28.75°	2	2	2	2	3	3	3	3	3	4	4
-30°	2	2	2	2	3	3	3	3	3	4	4
-31.25°	2	2	2	2	3	3	3	3	3	4	4
-32.5°	2	2	2	2	3	3	3	3	3	3	4
-33.75°	2	2	2	2	3	3	3	3	3	3	4
-35°	2	2	2	2	2	3	3	3	3	3	4
-36.25°	2	2	2	2	2	3	3	3	3	3	3
-37.5°	2	2	2	2	2	3	3	3	3	3	3
-38.75°	2	2	2	2	2	3	3	3	3	3	3
-40°	2	2	2	2	2	2	3	3	3	3	3
-41.25°	2	2	2	2	2	2	3	3	3	3	3
-42.5°	2	2	2	2	2	2	3	3	3	3	3
-43.75°	2	2	2	2	2	2	2	3	3	3	3
-45°	1	2	2	2	2	2	2	3	3	3	3
-46.25°	1	2	2	2	2	2	2	3	3	3	3
-47.5°	1	2	2	2	2	2	2	2	3	3	3
-48.75°	1	2	2	2	2	2	2	2	3	3	3
-50°	1	1	2	2	2	2	2	2	2	3	3
-51.25°	1	1	2	2	2	2	2	2	2	3	3
-52.5°	1	1	2	2	2	2	2	2	2	2	3
-53.75°	1	1	1	2	2	2	2	2	2	2	2
-55°	1	1	1	2	2	2	2	2	2	2	2
-56.25°	1	1	1	1	2	2	2	2	2	2	2
-57.5°	1	1	1	1	2	2	2	2	2	2	2
-58.75°	1	1	1	1	1	2	2	2	2	2	2
-60°	1	1	1	1	1	2	2	2	2	2	2
-61.25°	1	1	1	1	1	1	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	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	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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	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	2	2	2
72.5°	1	1	1	1	1	1	2	2	2	2	2
71.25°	1	1	1	1	2	2	2	2	2	2	2
70°	1	1	2	2	2	2	2	2	2	2	2
68.75°	1	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	3	3
63.75°	2	2	2	2	2	2	2	2	3	3	3
62.5°	2	2	2	2	2	2	3	3	3	3	3
61.25°	2	2	2	2	2	3	3	3	3	3	3
60°	2	2	2	2	3	3	3	3	3	3	3
58.75°	2	2	2	3	3	3	3	3	3	3	3
57.5°	2	2	3	3	3	3	3	3	3	3	3
56.25°	2	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	4	4
53.75°	3	3	3	3	3	3	3	3	4	4	4
52.5°	3	3	3	3	3	3	3	4	4	4	4
51.25°	3	3	3	3	3	3	4	4	4	4	4
50°	3	3	3	3	3	3	4	4	4	4	4
48.75°	3	3	3	3	3	4	4	4	4	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
46.25°	3	3	3	4	4	4	4	4	4	4	4
45°	3	3	3	4	4	4	4	4	4	4	5
43.75°	3	3	4	4	4	4	4	4	4	5	5
42.5°	3	3	4	4	4	4	4	4	5	5	5
41.25°	3	4	4	4	4	4	4	4	5	5	5
40°	3	4	4	4	4	4	4	5	5	5	5
38.75°	4	4	4	4	4	4	5	5	5	5	5
37.5°	4	4	4	4	4	4	5	5	5	5	5
36.25°	4	4	4	4	4	5	5	5	5	5	5
35°	4	4	4	4	4	5	5	5	5	5	5



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	4	4	4	4	4	5	5	5	5	5	6
32.5°	4	4	4	4	5	5	5	5	5	5	6
31.25°	4	4	4	4	5	5	5	5	5	6	6
30°	4	4	4	5	5	5	5	5	5	6	6
28.75°	4	4	4	5	5	5	5	5	6	6	6
27.5°	4	4	4	5	5	5	5	5	6	6	6
26.25°	4	4	5	5	5	5	5	5	6	6	7
25°	4	4	5	5	5	5	5	6	6	6	7
23.75°	4	4	5	5	5	5	5	6	6	6	7
22.5°	4	4	5	5	5	5	5	6	6	7	7
21.25°	4	5	5	5	5	5	6	6	6	7	8
20°	4	5	5	5	5	5	6	6	6	7	8
18.75°	4	5	5	5	5	5	6	6	7	7	8
17.5°	4	5	5	5	5	5	6	6	7	7	8
16.25°	4	5	5	5	5	6	6	6	7	8	9
15°	4	5	5	5	5	6	6	6	7	8	9
13.75°	5	5	5	5	5	6	6	6	7	8	9
12.5°	5	5	5	5	5	6	6	7	7	8	10
11.25°	5	5	5	5	5	6	6	7	7	8	10
10°	5	5	5	5	5	6	6	7	8	9	10
8.75°	5	5	5	5	5	6	6	7	8	9	10
7.5°	5	5	5	5	6	6	6	7	8	9	11
6.25°	5	5	5	5	6	6	6	7	8	9	11
5°	5	5	5	5	6	6	6	7	8	9	11
3.75°	5	5	5	5	6	6	6	7	8	9	11
2.5°	5	5	5	5	6	6	6	7	8	10	11
1.25°	5	5	5	5	6	6	6	7	8	10	11
0°	5	5	5	5	6	6	6	7	8	10	11
-1.25°	5	5	5	5	6	6	6	7	8	10	11
-2.5°	5	5	5	5	6	6	6	7	8	10	11
-3.75°	5	5	5	5	6	6	6	7	8	9	11
-5°	5	5	5	5	6	6	6	7	8	9	11
-6.25°	5	5	5	5	6	6	6	7	8	9	11
-7.5°	5	5	5	5	6	6	6	7	8	9	11
-8.75°	5	5	5	5	5	6	6	7	8	9	10
-10°	5	5	5	5	5	6	6	7	8	9	10
-11.25°	5	5	5	5	5	6	6	7	7	8	10
-12.5°	5	5	5	5	5	6	6	7	7	8	10
-13.75°	5	5	5	5	5	6	6	6	7	8	9
-15°	4	5	5	5	5	6	6	6	7	8	9
-16.25°	4	5	5	5	5	6	6	6	7	8	9
-17.5°	4	5	5	5	5	5	6	6	7	7	8
-18.75°	4	5	5	5	5	5	6	6	7	7	8
-20°	4	5	5	5	5	5	6	6	6	7	8
-21.25°	4	5	5	5	5	5	6	6	6	7	8



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	4	4	5	5	5	5	5	6	6	7	7
-23.75°	4	4	5	5	5	5	5	6	6	6	7
-25°	4	4	5	5	5	5	5	6	6	6	7
-26.25°	4	4	5	5	5	5	5	5	6	6	7
-27.5°	4	4	4	5	5	5	5	5	6	6	6
-28.75°	4	4	4	5	5	5	5	5	6	6	6
-30°	4	4	4	5	5	5	5	5	5	6	6
-31.25°	4	4	4	4	5	5	5	5	5	6	6
-32.5°	4	4	4	4	5	5	5	5	5	5	6
-33.75°	4	4	4	4	4	5	5	5	5	5	6
-35°	4	4	4	4	4	5	5	5	5	5	5
-36.25°	4	4	4	4	4	5	5	5	5	5	5
-37.5°	4	4	4	4	4	4	5	5	5	5	5
-38.75°	4	4	4	4	4	4	5	5	5	5	5
-40°	3	4	4	4	4	4	4	5	5	5	5
-41.25°	3	4	4	4	4	4	4	4	5	5	5
-42.5°	3	3	4	4	4	4	4	4	5	5	5
-43.75°	3	3	4	4	4	4	4	4	4	5	5
-45°	3	3	3	4	4	4	4	4	4	4	5
-46.25°	3	3	3	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	4	4	4	4	4	4
-50°	3	3	3	3	3	3	4	4	4	4	4
-51.25°	3	3	3	3	3	3	4	4	4	4	4
-52.5°	3	3	3	3	3	3	3	4	4	4	4
-53.75°	3	3	3	3	3	3	3	3	4	4	4
-55°	3	3	3	3	3	3	3	3	3	4	4
-56.25°	2	3	3	3	3	3	3	3	3	3	3
-57.5°	2	2	3	3	3	3	3	3	3	3	3
-58.75°	2	2	2	3	3	3	3	3	3	3	3
-60°	2	2	2	2	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	3	3	3	3	3
-63.75°	2	2	2	2	2	2	2	2	3	3	3
-65°	2	2	2	2	2	2	2	2	2	3	3
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	2	2	2	2	2	2	2	2	2	2
-70°	1	1	2	2	2	2	2	2	2	2	2
-71.25°	1	1	1	1	2	2	2	2	2	2	2
-72.5°	1	1	1	1	1	1	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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	2	2	2
76.25°	1	1	1	1	2	2	2	2	2	2	2
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°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	3	3	3
68.75°	2	2	2	2	2	3	3	3	3	3	3
67.5°	2	2	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	3	3	3
62.5°	3	3	3	3	3	3	3	3	4	4	4
61.25°	3	3	3	3	3	3	4	4	4	4	4
60°	3	3	3	3	4	4	4	4	4	4	4
58.75°	3	3	4	4	4	4	4	4	4	4	4
57.5°	3	4	4	4	4	4	4	4	4	4	4
56.25°	4	4	4	4	4	4	4	4	4	4	5
55°	4	4	4	4	4	4	4	4	5	5	5
53.75°	4	4	4	4	4	4	4	5	5	5	5
52.5°	4	4	4	4	4	5	5	5	5	5	5
51.25°	4	4	4	4	5	5	5	5	5	5	5
50°	4	4	4	5	5	5	5	5	5	5	5
48.75°	4	4	5	5	5	5	5	5	5	5	5
47.5°	4	5	5	5	5	5	5	5	5	6	6
46.25°	5	5	5	5	5	5	5	5	6	6	6
45°	5	5	5	5	5	5	5	6	6	6	6
43.75°	5	5	5	5	5	5	6	6	6	6	7
42.5°	5	5	5	5	5	6	6	6	6	7	7
41.25°	5	5	5	5	6	6	6	7	7	7	8
40°	5	5	5	6	6	6	7	7	7	8	9
38.75°	5	5	6	6	6	6	7	7	8	9	10
37.5°	5	6	6	6	6	7	7	8	9	10	11
36.25°	5	6	6	6	7	7	8	9	10	11	12
35°	6	6	6	7	7	8	9	10	11	12	13



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	6	6	6	7	8	8	10	11	12	13	15
32.5°	6	6	7	7	8	9	10	12	13	14	16
31.25°	6	7	7	8	9	10	11	13	14	16	18
30°	6	7	8	8	10	11	12	14	15	18	20
28.75°	7	7	8	9	10	12	13	15	17	19	22
27.5°	7	8	8	10	11	13	14	16	19	21	24
26.25°	7	8	9	10	12	13	15	18	20	23	27
25°	7	8	10	11	13	14	16	19	22	26	30
23.75°	8	9	10	12	13	15	18	20	24	28	33
22.5°	8	9	11	12	14	16	19	22	26	31	37
21.25°	9	10	11	13	15	18	20	24	28	33	41
20°	9	10	12	14	16	19	22	26	31	37	45
18.75°	9	11	13	14	17	20	23	28	33	41	49
17.5°	10	11	13	15	18	21	25	30	36	44	53
16.25°	10	12	14	16	19	22	27	31	39	48	58
15°	11	12	14	17	20	23	28	34	42	51	62
13.75°	11	13	15	17	21	25	30	36	45	55	67
12.5°	11	13	15	18	21	26	31	39	47	58	70
11.25°	12	14	16	19	22	27	32	41	50	62	74
10°	12	14	16	19	23	28	34	43	52	65	77
8.75°	12	14	17	20	24	29	36	45	55	67	81
7.5°	13	14	17	20	25	30	37	46	57	70	85
6.25°	13	15	18	21	25	31	38	48	59	72	88
5°	13	15	18	21	26	31	39	49	61	73	90
3.75°	13	15	18	21	26	32	40	49	62	75	92
2.5°	13	15	18	22	27	32	41	50	63	75	94
1.25°	13	15	18	22	27	32	41	50	63	76	94
0°	13	15	18	22	27	32	41	51	63	76	95
-1.25°	13	15	18	22	27	32	41	50	63	76	94
-2.5°	13	15	18	22	27	32	41	50	63	75	94
-3.75°	13	15	18	21	26	32	40	49	62	75	92
-5°	13	15	18	21	26	31	39	49	61	73	90
-6.25°	13	15	18	21	25	31	38	48	59	72	88
-7.5°	13	14	17	20	25	30	37	46	57	70	85
-8.75°	12	14	17	20	24	29	36	45	55	67	81
-10°	12	14	16	19	23	28	34	43	52	65	77
-11.25°	12	14	16	19	22	27	32	41	50	62	74
-12.5°	11	13	15	18	21	26	31	39	47	58	70
-13.75°	11	13	15	17	21	25	30	36	45	55	67
-15°	11	12	14	17	20	23	28	34	42	51	62
-16.25°	10	12	14	16	19	22	27	31	39	48	58
-17.5°	10	11	13	15	18	21	25	30	36	44	53
-18.75°	9	11	13	14	17	20	23	28	33	41	49
-20°	9	10	12	14	16	19	22	26	31	37	45
-21.25°	9	10	11	13	15	18	20	24	28	33	41



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	8	9	11	12	14	16	19	22	26	31	37
-23.75°	8	9	10	12	13	15	18	20	24	28	33
-25°	7	8	10	11	13	14	16	19	22	26	30
-26.25°	7	8	9	10	12	13	15	18	20	23	27
-27.5°	7	8	8	10	11	13	14	16	19	21	24
-28.75°	7	7	8	9	10	12	13	15	17	19	22
-30°	6	7	8	8	10	11	12	14	15	18	20
-31.25°	6	7	7	8	9	10	11	13	14	16	18
-32.5°	6	6	7	7	8	9	10	12	13	14	16
-33.75°	6	6	6	7	8	8	10	11	12	13	15
-35°	6	6	6	7	7	8	9	10	11	12	13
-36.25°	5	6	6	6	7	7	8	9	10	11	12
-37.5°	5	6	6	6	6	7	7	8	9	10	11
-38.75°	5	5	6	6	6	6	7	7	8	9	10
-40°	5	5	5	6	6	6	7	7	7	8	9
-41.25°	5	5	5	5	6	6	6	7	7	7	8
-42.5°	5	5	5	5	5	6	6	6	6	7	7
-43.75°	5	5	5	5	5	5	6	6	6	6	7
-45°	5	5	5	5	5	5	5	6	6	6	6
-46.25°	5	5	5	5	5	5	5	5	6	6	6
-47.5°	4	5	5	5	5	5	5	5	5	6	6
-48.75°	4	4	5	5	5	5	5	5	5	5	5
-50°	4	4	4	5	5	5	5	5	5	5	5
-51.25°	4	4	4	4	5	5	5	5	5	5	5
-52.5°	4	4	4	4	4	5	5	5	5	5	5
-53.75°	4	4	4	4	4	4	4	5	5	5	5
-55°	4	4	4	4	4	4	4	4	5	5	5
-56.25°	4	4	4	4	4	4	4	4	4	4	5
-57.5°	3	4	4	4	4	4	4	4	4	4	4
-58.75°	3	3	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	4	4	4	4	4	4	4
-61.25°	3	3	3	3	3	3	4	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	4	4	4
-63.75°	3	3	3	3	3	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°	2	2	3	3	3	3	3	3	3	3	3
-68.75°	2	2	2	2	2	3	3	3	3	3	3
-70°	2	2	2	2	2	2	2	2	3	3	3
-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	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	2	2	2	2	2	2	2
-77.5°	1	1	1	1	1	1	1	1	2	2	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
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	3	3	3	3	3
71.25°	2	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°	3	3	3	3	3	3	3	4	4	4	4
65°	3	3	3	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	4	4	4	5	5	5	5	5	5	5
57.5°	4	4	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	5	5	5	5
53.75°	5	5	5	5	5	5	5	5	6	6	6
52.5°	5	5	5	5	5	6	6	6	6	6	6
51.25°	5	5	5	6	6	6	6	6	6	6	7
50°	5	6	6	6	6	6	6	7	7	7	7
48.75°	6	6	6	6	6	7	7	7	7	8	8
47.5°	6	6	6	7	7	7	8	8	8	9	9
46.25°	6	6	7	7	8	8	8	9	10	10	11
45°	7	7	7	8	8	9	10	10	11	12	12
43.75°	7	8	8	9	10	10	11	12	13	13	14
42.5°	8	8	9	10	11	12	13	13	14	15	16
41.25°	9	10	10	11	12	13	14	15	16	18	19
40°	10	11	12	13	14	15	16	18	19	20	22
38.75°	11	12	13	14	15	17	19	20	22	24	26
37.5°	12	13	14	16	18	19	21	23	26	28	31
36.25°	13	15	16	18	20	22	24	27	30	33	37
35°	15	16	18	20	22	25	28	31	35	40	44



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	16	18	20	23	26	29	32	37	42	47	52
32.5°	18	20	23	26	30	33	39	44	49	56	63
31.25°	20	23	26	30	34	40	45	51	59	66	73
30°	22	26	30	34	40	46	52	60	68	76	86
28.75°	25	29	33	40	46	53	61	69	78	89	100
27.5°	28	32	39	45	52	61	70	79	91	102	114
26.25°	31	37	44	51	60	69	79	92	104	117	134
25°	35	42	49	59	68	78	91	104	118	136	154
23.75°	40	47	56	66	76	89	102	117	136	155	176
22.5°	44	52	63	73	86	100	114	134	154	176	204
21.25°	49	59	69	81	96	110	130	151	173	202	231
20°	54	65	75	90	105	124	145	167	197	227	258
18.75°	59	70	84	99	115	138	160	189	220	252	289
17.5°	65	76	92	108	128	152	177	210	243	280	322
16.25°	70	83	99	117	141	165	197	231	267	309	356
15°	74	90	107	128	152	180	215	250	292	338	390
13.75°	79	96	113	138	163	197	233	272	318	368	424
12.5°	85	102	123	148	176	212	249	293	343	398	459
11.25°	90	108	131	157	189	226	267	314	367	427	491
10°	95	113	139	165	201	239	283	333	391	454	523
8.75°	99	119	146	174	212	251	299	352	413	480	552
7.5°	103	125	152	183	222	263	313	369	432	503	578
6.25°	106	130	157	191	230	274	325	384	450	523	602
5°	109	134	161	197	237	282	336	397	466	540	621
3.75°	111	137	164	202	242	289	344	407	477	553	637
2.5°	112	139	167	206	246	295	351	415	486	564	649
1.25°	113	140	168	208	248	298	355	419	491	570	656
0°	113	141	169	209	249	299	356	421	493	572	659
-1.25°	113	140	168	208	248	298	355	419	491	570	656
-2.5°	112	139	167	206	246	295	351	415	486	564	649
-3.75°	111	137	164	202	242	289	344	407	477	553	637
-5°	109	134	161	197	237	282	336	397	466	540	621
-6.25°	106	130	157	191	230	274	325	384	450	523	602
-7.5°	103	125	152	183	222	263	313	369	432	503	578
-8.75°	99	119	146	174	212	251	299	352	413	480	552
-10°	95	113	139	165	201	239	283	333	391	454	523
-11.25°	90	108	131	157	189	226	267	314	367	427	491
-12.5°	85	102	123	148	176	212	249	293	343	398	459
-13.75°	79	96	113	138	163	197	233	272	318	368	424
-15°	74	90	107	128	152	180	215	250	292	338	390
-16.25°	70	83	99	117	141	165	197	231	267	309	356
-17.5°	65	76	92	108	128	152	177	210	243	280	322
-18.75°	59	70	84	99	115	138	160	189	220	252	289
-20°	54	65	75	90	105	124	145	167	197	227	258
-21.25°	49	59	69	81	96	110	130	151	173	202	231



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	44	52	63	73	86	100	114	134	154	176	204
-23.75°	40	47	56	66	76	89	102	117	136	155	176
-25°	35	42	49	59	68	78	91	104	118	136	154
-26.25°	31	37	44	51	60	69	79	92	104	117	134
-27.5°	28	32	39	45	52	61	70	79	91	102	114
-28.75°	25	29	33	40	46	53	61	69	78	89	100
-30°	22	26	30	34	40	46	52	60	68	76	86
-31.25°	20	23	26	30	34	40	45	51	59	66	73
-32.5°	18	20	23	26	30	33	39	44	49	56	63
-33.75°	16	18	20	23	26	29	32	37	42	47	52
-35°	15	16	18	20	22	25	28	31	35	40	44
-36.25°	13	15	16	18	20	22	24	27	30	33	37
-37.5°	12	13	14	16	18	19	21	23	26	28	31
-38.75°	11	12	13	14	15	17	19	20	22	24	26
-40°	10	11	12	13	14	15	16	18	19	20	22
-41.25°	9	10	10	11	12	13	14	15	16	18	19
-42.5°	8	8	9	10	11	12	13	13	14	15	16
-43.75°	7	8	8	9	10	10	11	12	13	13	14
-45°	7	7	7	8	8	9	10	10	11	12	12
-46.25°	6	6	7	7	8	8	8	9	10	10	11
-47.5°	6	6	6	7	7	7	8	8	8	9	9
-48.75°	6	6	6	6	6	7	7	7	7	8	8
-50°	5	6	6	6	6	6	6	7	7	7	7
-51.25°	5	5	5	6	6	6	6	6	6	6	7
-52.5°	5	5	5	5	5	6	6	6	6	6	6
-53.75°	5	5	5	5	5	5	5	5	6	6	6
-55°	5	5	5	5	5	5	5	5	5	5	5
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	4	4	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	4	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	3	4	4	4	4	4	4	4	4
-66.25°	3	3	3	3	3	3	3	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°	2	3	3	3	3	3	3	3	3	3	3
-72.5°	2	2	2	2	2	2	3	3	3	3	3
-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°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	1	1	1	1	2	2	2	2	2	2	2
-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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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	2	2	2	2	2
78.75°	2	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	3	3	3	3	3
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	4
67.5°	3	4	4	4	4	4	4	4	4	4	4
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	5	5	5	5	5
61.25°	5	5	5	5	5	5	5	5	5	5	5
60°	5	5	5	5	5	5	5	5	5	5	5
58.75°	5	5	5	5	5	5	5	5	5	5	5
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	6	7	7	7	7
52.5°	6	6	7	7	7	7	7	7	7	8	8
51.25°	7	7	7	7	8	8	8	8	8	9	9
50°	8	8	8	8	9	9	9	10	10	10	10
48.75°	9	9	9	10	10	11	11	11	12	12	12
47.5°	10	10	11	11	12	12	13	13	14	14	14
46.25°	11	12	13	13	14	14	15	15	16	16	17
45°	13	14	14	15	16	17	17	18	19	19	20
43.75°	15	16	17	18	19	20	21	21	22	23	24
42.5°	18	19	20	21	22	23	25	26	27	28	29
41.25°	20	22	23	25	27	28	30	31	32	34	36
40°	24	26	28	30	31	34	36	39	41	43	45
38.75°	28	31	33	36	39	42	45	47	50	52	55
37.5°	33	37	41	44	48	51	55	58	62	65	67
36.25°	41	45	49	53	58	62	67	70	74	77	81
35°	49	54	59	65	70	74	79	85	90	95	99



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	59	65	70	76	83	90	96	102	108	113	119
32.5°	69	75	84	92	99	107	113	123	131	139	146
31.25°	81	90	99	108	117	128	138	148	157	165	174
30°	96	105	115	128	141	152	163	176	189	201	212
28.75°	110	124	138	152	165	180	197	212	226	239	251
27.5°	130	145	160	177	197	215	233	249	267	283	299
26.25°	151	167	189	210	231	250	272	293	314	333	352
25°	173	197	220	243	267	292	318	343	367	391	413
23.75°	202	227	252	280	309	338	368	398	427	454	480
22.5°	231	258	289	322	356	390	424	459	491	523	552
21.25°	261	294	329	367	406	445	485	524	560	597	630
20°	294	332	373	416	460	504	548	592	635	675	713
18.75°	329	373	419	467	517	566	616	665	713	759	800
17.5°	367	416	467	521	575	630	686	741	794	843	890
16.25°	406	460	517	575	635	697	758	818	876	932	981
15°	445	504	566	630	697	764	830	896	959	1016	1070
13.75°	485	548	616	686	758	830	903	972	1038	1100	1156
12.5°	524	592	665	741	818	896	972	1045	1116	1179	1235
11.25°	560	635	713	794	876	959	1038	1116	1187	1250	1306
10°	597	675	759	843	932	1016	1100	1179	1250	1313	1366
8.75°	630	713	800	890	981	1070	1156	1235	1306	1366	1417
7.5°	660	748	838	933	1025	1118	1204	1283	1352	1410	1460
6.25°	687	778	872	969	1064	1158	1245	1324	1390	1447	1497
5°	710	803	901	998	1097	1192	1278	1354	1419	1477	1526
3.75°	728	823	923	1022	1123	1217	1304	1379	1443	1499	1548
2.5°	741	837	940	1040	1141	1236	1322	1395	1459	1515	1565
1.25°	749	846	949	1051	1152	1247	1333	1405	1469	1525	1575
0°	752	849	952	1054	1156	1251	1336	1409	1473	1529	1579
-1.25°	749	846	949	1051	1152	1247	1333	1405	1469	1525	1575
-2.5°	741	837	940	1040	1141	1236	1322	1395	1459	1515	1565
-3.75°	728	823	923	1022	1123	1217	1304	1379	1443	1499	1548
-5°	710	803	901	998	1097	1192	1278	1354	1419	1477	1526
-6.25°	687	778	872	969	1064	1158	1245	1324	1390	1447	1497
-7.5°	660	748	838	933	1025	1118	1204	1283	1352	1410	1460
-8.75°	630	713	800	890	981	1070	1156	1235	1306	1366	1417
-10°	597	675	759	843	932	1016	1100	1179	1250	1313	1366
-11.25°	560	635	713	794	876	959	1038	1116	1187	1250	1306
-12.5°	524	592	665	741	818	896	972	1045	1116	1179	1235
-13.75°	485	548	616	686	758	830	903	972	1038	1100	1156
-15°	445	504	566	630	697	764	830	896	959	1016	1070
-16.25°	406	460	517	575	635	697	758	818	876	932	981
-17.5°	367	416	467	521	575	630	686	741	794	843	890
-18.75°	329	373	419	467	517	566	616	665	713	759	800
-20°	294	332	373	416	460	504	548	592	635	675	713
-21.25°	261	294	329	367	406	445	485	524	560	597	630



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	231	258	289	322	356	390	424	459	491	523	552
-23.75°	202	227	252	280	309	338	368	398	427	454	480
-25°	173	197	220	243	267	292	318	343	367	391	413
-26.25°	151	167	189	210	231	250	272	293	314	333	352
-27.5°	130	145	160	177	197	215	233	249	267	283	299
-28.75°	110	124	138	152	165	180	197	212	226	239	251
-30°	96	105	115	128	141	152	163	176	189	201	212
-31.25°	81	90	99	108	117	128	138	148	157	165	174
-32.5°	69	75	84	92	99	107	113	123	131	139	146
-33.75°	59	65	70	76	83	90	96	102	108	113	119
-35°	49	54	59	65	70	74	79	85	90	95	99
-36.25°	41	45	49	53	58	62	67	70	74	77	81
-37.5°	33	37	41	44	48	51	55	58	62	65	67
-38.75°	28	31	33	36	39	42	45	47	50	52	55
-40°	24	26	28	30	31	34	36	39	41	43	45
-41.25°	20	22	23	25	27	28	30	31	32	34	36
-42.5°	18	19	20	21	22	23	25	26	27	28	29
-43.75°	15	16	17	18	19	20	21	21	22	23	24
-45°	13	14	14	15	16	17	17	18	19	19	20
-46.25°	11	12	13	13	14	14	15	15	16	16	17
-47.5°	10	10	11	11	12	12	13	13	14	14	14
-48.75°	9	9	9	10	10	11	11	11	12	12	12
-50°	8	8	8	8	9	9	9	10	10	10	10
-51.25°	7	7	7	7	8	8	8	8	8	9	9
-52.5°	6	6	7	7	7	7	7	7	7	8	8
-53.75°	6	6	6	6	6	6	6	7	7	7	7
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	6	6	6	6	6	6	6
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	5	5	5	5	5	5	5	5	5	5	5
-60°	5	5	5	5	5	5	5	5	5	5	5
-61.25°	5	5	5	5	5	5	5	5	5	5	5
-62.5°	4	4	4	4	4	4	5	5	5	5	5
-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	4	4	4	4	4	4	4	4	4	4
-68.75°	3	3	3	3	3	3	3	3	3	3	4
-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°	3	3	3	3	3	3	3	3	3	3	3
-73.75°	2	2	3	3	3	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	2	2	2	2	2	2	2	2	2	2	2
-80°	1	1	1	1	1	1	2	2	2	2	2
-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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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°	2	2	2	2	2	2	2	2	2	2	2
78.75°	2	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	3	3	3	3	3
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°	4	4	4	4	4	4	4	4	4	4	4
67.5°	4	4	4	4	4	4	4	4	4	4	4
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°	5	5	5	5	5	5	5	5	5	5	5
61.25°	5	5	5	5	5	5	5	5	5	5	5
60°	5	5	5	5	5	5	5	5	5	5	5
58.75°	5	5	5	5	5	5	5	5	5	5	5
57.5°	6	6	6	6	6	6	6	6	6	6	6
56.25°	6	6	6	6	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	7	7	7	7	7	7	7	7	7	7	7
52.5°	8	8	8	8	8	8	8	8	8	8	8
51.25°	9	9	9	9	10	10	10	10	10	9	9
50°	11	11	11	11	11	11	11	11	11	11	11
48.75°	13	13	13	13	13	13	13	13	13	13	13
47.5°	14	15	15	15	15	15	15	15	15	15	15
46.25°	17	18	18	18	18	18	18	18	18	18	18
45°	20	21	21	21	22	22	22	22	22	21	21
43.75°	25	25	26	26	27	27	27	27	27	26	26
42.5°	30	31	31	32	32	32	32	32	32	32	31
41.25°	37	38	39	40	41	41	41	41	41	40	39
40°	46	48	49	49	50	50	51	50	50	49	49
38.75°	57	59	61	62	63	63	63	63	63	62	61
37.5°	70	72	73	75	75	76	76	76	75	75	73
36.25°	85	88	90	92	94	94	95	94	94	92	90
35°	103	106	109	111	112	113	113	113	112	111	109



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	125	130	134	137	139	140	141	140	139	137	134
32.5°	152	157	161	164	167	168	169	168	167	164	161
31.25°	183	191	197	202	206	208	209	208	206	202	197
30°	222	230	237	242	246	248	249	248	246	242	237
28.75°	263	274	282	289	295	298	299	298	295	289	282
27.5°	313	325	336	344	351	355	356	355	351	344	336
26.25°	369	384	397	407	415	419	421	419	415	407	397
25°	432	450	466	477	486	491	493	491	486	477	466
23.75°	503	523	540	553	564	570	572	570	564	553	540
22.5°	578	602	621	637	649	656	659	656	649	637	621
21.25°	660	687	710	728	741	749	752	749	741	728	710
20°	748	778	803	823	837	846	849	846	837	823	803
18.75°	838	872	901	923	940	949	952	949	940	923	901
17.5°	933	969	998	1022	1040	1051	1054	1051	1040	1022	998
16.25°	1025	1064	1097	1123	1141	1152	1156	1152	1141	1123	1097
15°	1118	1158	1192	1217	1236	1247	1251	1247	1236	1217	1192
13.75°	1204	1245	1278	1304	1322	1333	1336	1333	1322	1304	1278
12.5°	1283	1324	1354	1379	1395	1405	1409	1405	1395	1379	1354
11.25°	1352	1390	1419	1443	1459	1469	1473	1469	1459	1443	1419
10°	1410	1447	1477	1499	1515	1525	1529	1525	1515	1499	1477
8.75°	1460	1497	1526	1548	1565	1575	1579	1575	1565	1548	1526
7.5°	1503	1539	1569	1592	1609	1619	1622	1619	1609	1592	1569
6.25°	1539	1576	1606	1629	1642	1648	1650	1648	1642	1629	1606
5°	1569	1606	1636	1650	1657	1659	1660	1659	1657	1650	1636
3.75°	1592	1629	1650	1658	1660	1660	1659	1660	1660	1658	1650
2.5°	1609	1642	1657	1660	1658	1655	1654	1655	1658	1660	1657
1.25°	1619	1648	1659	1660	1655	1653	1654	1653	1655	1660	1659
0°	1622	1650	1660	1659	1654	1654	1660	1654	1654	1659	1660
-1.25°	1619	1648	1659	1660	1655	1653	1654	1653	1655	1660	1659
-2.5°	1609	1642	1657	1660	1658	1655	1654	1655	1658	1660	1657
-3.75°	1592	1629	1650	1658	1660	1660	1659	1660	1660	1658	1650
-5°	1569	1606	1636	1650	1657	1659	1660	1659	1657	1650	1636
-6.25°	1539	1576	1606	1629	1642	1648	1650	1648	1642	1629	1606
-7.5°	1503	1539	1569	1592	1609	1619	1622	1619	1609	1592	1569
-8.75°	1460	1497	1526	1548	1565	1575	1579	1575	1565	1548	1526
-10°	1410	1447	1477	1499	1515	1525	1529	1525	1515	1499	1477
-11.25°	1352	1390	1419	1443	1459	1469	1473	1469	1459	1443	1419
-12.5°	1283	1324	1354	1379	1395	1405	1409	1405	1395	1379	1354
-13.75°	1204	1245	1278	1304	1322	1333	1336	1333	1322	1304	1278
-15°	1118	1158	1192	1217	1236	1247	1251	1247	1236	1217	1192
-16.25°	1025	1064	1097	1123	1141	1152	1156	1152	1141	1123	1097
-17.5°	933	969	998	1022	1040	1051	1054	1051	1040	1022	998
-18.75°	838	872	901	923	940	949	952	949	940	923	901
-20°	748	778	803	823	837	846	849	846	837	823	803
-21.25°	660	687	710	728	741	749	752	749	741	728	710



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	578	602	621	637	649	656	659	656	649	637	621
-23.75°	503	523	540	553	564	570	572	570	564	553	540
-25°	432	450	466	477	486	491	493	491	486	477	466
-26.25°	369	384	397	407	415	419	421	419	415	407	397
-27.5°	313	325	336	344	351	355	356	355	351	344	336
-28.75°	263	274	282	289	295	298	299	298	295	289	282
-30°	222	230	237	242	246	248	249	248	246	242	237
-31.25°	183	191	197	202	206	208	209	208	206	202	197
-32.5°	152	157	161	164	167	168	169	168	167	164	161
-33.75°	125	130	134	137	139	140	141	140	139	137	134
-35°	103	106	109	111	112	113	113	113	112	111	109
-36.25°	85	88	90	92	94	94	95	94	94	92	90
-37.5°	70	72	73	75	75	76	76	76	75	75	73
-38.75°	57	59	61	62	63	63	63	63	63	62	61
-40°	46	48	49	49	50	50	51	50	50	49	49
-41.25°	37	38	39	40	41	41	41	41	41	40	39
-42.5°	30	31	31	32	32	32	32	32	32	32	31
-43.75°	25	25	26	26	27	27	27	27	27	26	26
-45°	20	21	21	21	22	22	22	22	22	21	21
-46.25°	17	18	18	18	18	18	18	18	18	18	18
-47.5°	14	15	15	15	15	15	15	15	15	15	15
-48.75°	13	13	13	13	13	13	13	13	13	13	13
-50°	11	11	11	11	11	11	11	11	11	11	11
-51.25°	9	9	9	9	10	10	10	10	10	9	9
-52.5°	8	8	8	8	8	8	8	8	8	8	8
-53.75°	7	7	7	7	7	7	7	7	7	7	7
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	6	6
-57.5°	6	6	6	6	6	6	6	6	6	6	6
-58.75°	5	5	5	5	5	5	5	5	5	5	5
-60°	5	5	5	5	5	5	5	5	5	5	5
-61.25°	5	5	5	5	5	5	5	5	5	5	5
-62.5°	5	5	5	5	5	5	5	5	5	5	5
-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°	4	4	4	4	4	4	4	4	4	4	4
-68.75°	4	4	4	4	4	4	4	4	4	4	4
-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°	3	3	3	3	3	3	3	3	3	3	3
-73.75°	3	3	3	3	3	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	2	2	2	2	2	2	2	2	2	2	2
-80°	2	2	2	2	2	2	2	2	2	2	2
-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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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°	2	2	2	2	2	2	2	1	1	1	1
78.75°	2	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	3	3	3	3	3
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°	4	4	4	3	3	3	3	3	3	3	3
67.5°	4	4	4	4	4	4	4	4	4	4	4
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°	5	5	5	5	5	5	5	4	4	4	4
61.25°	5	5	5	5	5	5	5	5	5	5	5
60°	5	5	5	5	5	5	5	5	5	5	5
58.75°	5	5	5	5	5	5	5	5	5	5	5
57.5°	6	6	5	5	5	5	5	5	5	5	5
56.25°	6	6	6	6	6	6	6	6	6	5	5
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	7	7	7	7	7	7	6	6	6	6	6
52.5°	8	8	8	8	7	7	7	7	7	7	7
51.25°	9	9	9	9	8	8	8	8	8	7	7
50°	11	11	10	10	10	10	9	9	9	8	8
48.75°	13	13	12	12	12	11	11	11	10	10	9
47.5°	15	14	14	14	14	13	13	12	12	11	11
46.25°	18	17	17	16	16	15	15	14	14	13	13
45°	21	20	20	19	19	18	17	17	16	15	14
43.75°	25	25	24	23	22	21	21	20	19	18	17
42.5°	31	30	29	28	27	26	25	23	22	21	20
41.25°	38	37	36	34	32	31	30	28	27	25	23
40°	48	46	45	43	41	39	36	34	31	30	28
38.75°	59	57	55	52	50	47	45	42	39	36	33
37.5°	72	70	67	65	62	58	55	51	48	44	41
36.25°	88	85	81	77	74	70	67	62	58	53	49
35°	106	103	99	95	90	85	79	74	70	65	59



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	130	125	119	113	108	102	96	90	83	76	70
32.5°	157	152	146	139	131	123	113	107	99	92	84
31.25°	191	183	174	165	157	148	138	128	117	108	99
30°	230	222	212	201	189	176	163	152	141	128	115
28.75°	274	263	251	239	226	212	197	180	165	152	138
27.5°	325	313	299	283	267	249	233	215	197	177	160
26.25°	384	369	352	333	314	293	272	250	231	210	189
25°	450	432	413	391	367	343	318	292	267	243	220
23.75°	523	503	480	454	427	398	368	338	309	280	252
22.5°	602	578	552	523	491	459	424	390	356	322	289
21.25°	687	660	630	597	560	524	485	445	406	367	329
20°	778	748	713	675	635	592	548	504	460	416	373
18.75°	872	838	800	759	713	665	616	566	517	467	419
17.5°	969	933	890	843	794	741	686	630	575	521	467
16.25°	1064	1025	981	932	876	818	758	697	635	575	517
15°	1158	1118	1070	1016	959	896	830	764	697	630	566
13.75°	1245	1204	1156	1100	1038	972	903	830	758	686	616
12.5°	1324	1283	1235	1179	1116	1045	972	896	818	741	665
11.25°	1390	1352	1306	1250	1187	1116	1038	959	876	794	713
10°	1447	1410	1366	1313	1250	1179	1100	1016	932	843	759
8.75°	1497	1460	1417	1366	1306	1235	1156	1070	981	890	800
7.5°	1539	1503	1460	1410	1352	1283	1204	1118	1025	933	838
6.25°	1576	1539	1497	1447	1390	1324	1245	1158	1064	969	872
5°	1606	1569	1526	1477	1419	1354	1278	1192	1097	998	901
3.75°	1629	1592	1548	1499	1443	1379	1304	1217	1123	1022	923
2.5°	1642	1609	1565	1515	1459	1395	1322	1236	1141	1040	940
1.25°	1648	1619	1575	1525	1469	1405	1333	1247	1152	1051	949
0°	1650	1622	1579	1529	1473	1409	1336	1251	1156	1054	952
-1.25°	1648	1619	1575	1525	1469	1405	1333	1247	1152	1051	949
-2.5°	1642	1609	1565	1515	1459	1395	1322	1236	1141	1040	940
-3.75°	1629	1592	1548	1499	1443	1379	1304	1217	1123	1022	923
-5°	1606	1569	1526	1477	1419	1354	1278	1192	1097	998	901
-6.25°	1576	1539	1497	1447	1390	1324	1245	1158	1064	969	872
-7.5°	1539	1503	1460	1410	1352	1283	1204	1118	1025	933	838
-8.75°	1497	1460	1417	1366	1306	1235	1156	1070	981	890	800
-10°	1447	1410	1366	1313	1250	1179	1100	1016	932	843	759
-11.25°	1390	1352	1306	1250	1187	1116	1038	959	876	794	713
-12.5°	1324	1283	1235	1179	1116	1045	972	896	818	741	665
-13.75°	1245	1204	1156	1100	1038	972	903	830	758	686	616
-15°	1158	1118	1070	1016	959	896	830	764	697	630	566
-16.25°	1064	1025	981	932	876	818	758	697	635	575	517
-17.5°	969	933	890	843	794	741	686	630	575	521	467
-18.75°	872	838	800	759	713	665	616	566	517	467	419
-20°	778	748	713	675	635	592	548	504	460	416	373
-21.25°	687	660	630	597	560	524	485	445	406	367	329



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	602	578	552	523	491	459	424	390	356	322	289
-23.75°	523	503	480	454	427	398	368	338	309	280	252
-25°	450	432	413	391	367	343	318	292	267	243	220
-26.25°	384	369	352	333	314	293	272	250	231	210	189
-27.5°	325	313	299	283	267	249	233	215	197	177	160
-28.75°	274	263	251	239	226	212	197	180	165	152	138
-30°	230	222	212	201	189	176	163	152	141	128	115
-31.25°	191	183	174	165	157	148	138	128	117	108	99
-32.5°	157	152	146	139	131	123	113	107	99	92	84
-33.75°	130	125	119	113	108	102	96	90	83	76	70
-35°	106	103	99	95	90	85	79	74	70	65	59
-36.25°	88	85	81	77	74	70	67	62	58	53	49
-37.5°	72	70	67	65	62	58	55	51	48	44	41
-38.75°	59	57	55	52	50	47	45	42	39	36	33
-40°	48	46	45	43	41	39	36	34	31	30	28
-41.25°	38	37	36	34	32	31	30	28	27	25	23
-42.5°	31	30	29	28	27	26	25	23	22	21	20
-43.75°	25	25	24	23	22	21	21	20	19	18	17
-45°	21	20	20	19	19	18	17	17	16	15	14
-46.25°	18	17	17	16	16	15	15	14	14	13	13
-47.5°	15	14	14	14	14	13	13	12	12	11	11
-48.75°	13	13	12	12	12	11	11	11	10	10	9
-50°	11	11	10	10	10	10	9	9	9	8	8
-51.25°	9	9	9	9	8	8	8	8	8	7	7
-52.5°	8	8	8	8	7	7	7	7	7	7	7
-53.75°	7	7	7	7	7	7	6	6	6	6	6
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	5	5
-57.5°	6	6	5	5	5	5	5	5	5	5	5
-58.75°	5	5	5	5	5	5	5	5	5	5	5
-60°	5	5	5	5	5	5	5	5	5	5	5
-61.25°	5	5	5	5	5	5	5	5	5	5	5
-62.5°	5	5	5	5	5	5	5	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°	4	4	4	4	4	4	4	4	4	4	4
-68.75°	4	4	4	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°	3	3	3	3	3	3	3	3	3	3	3
-73.75°	3	3	3	3	3	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	2	2	2	2	2	2	2	2	2	2	2
-80°	2	2	2	2	2	2	2	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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°	2	2	2	2	2	2	2	2	2	1	1
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
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°	3	3	3	3	3	3	3	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°	4	3	3	3	3	3	3	3	3	3	3
66.25°	4	4	4	4	4	4	3	3	3	3	3
65°	4	4	4	4	4	4	4	4	4	4	3
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°	5	5	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	4	4
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	5	5	5	5	5	5	5
55°	6	6	5	5	5	5	5	5	5	5	5
53.75°	6	6	6	6	6	5	5	5	5	5	5
52.5°	6	6	6	6	6	6	6	6	5	5	5
51.25°	7	7	7	6	6	6	6	6	6	6	5
50°	8	8	7	7	7	7	6	6	6	6	6
48.75°	9	9	8	8	7	7	7	7	6	6	6
47.5°	10	10	9	9	8	8	8	7	7	7	6
46.25°	12	11	11	10	10	9	8	8	8	7	7
45°	14	13	12	12	11	10	10	9	8	8	7
43.75°	16	15	14	13	13	12	11	10	10	9	8
42.5°	19	18	16	15	14	13	13	12	11	10	9
41.25°	22	20	19	18	16	15	14	13	12	11	10
40°	26	24	22	20	19	18	16	15	14	13	12
38.75°	31	28	26	24	22	20	19	17	15	14	13
37.5°	37	33	31	28	26	23	21	19	18	16	14
36.25°	45	41	37	33	30	27	24	22	20	18	16
35°	54	49	44	40	35	31	28	25	22	20	18



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	65	59	52	47	42	37	32	29	26	23	20
32.5°	75	69	63	56	49	44	39	33	30	26	23
31.25°	90	81	73	66	59	51	45	40	34	30	26
30°	105	96	86	76	68	60	52	46	40	34	30
28.75°	124	110	100	89	78	69	61	53	46	40	33
27.5°	145	130	114	102	91	79	70	61	52	45	39
26.25°	167	151	134	117	104	92	79	69	60	51	44
25°	197	173	154	136	118	104	91	78	68	59	49
23.75°	227	202	176	155	136	117	102	89	76	66	56
22.5°	258	231	204	176	154	134	114	100	86	73	63
21.25°	294	261	231	202	173	151	130	110	96	81	69
20°	332	294	258	227	197	167	145	124	105	90	75
18.75°	373	329	289	252	220	189	160	138	115	99	84
17.5°	416	367	322	280	243	210	177	152	128	108	92
16.25°	460	406	356	309	267	231	197	165	141	117	99
15°	504	445	390	338	292	250	215	180	152	128	107
13.75°	548	485	424	368	318	272	233	197	163	138	113
12.5°	592	524	459	398	343	293	249	212	176	148	123
11.25°	635	560	491	427	367	314	267	226	189	157	131
10°	675	597	523	454	391	333	283	239	201	165	139
8.75°	713	630	552	480	413	352	299	251	212	174	146
7.5°	748	660	578	503	432	369	313	263	222	183	152
6.25°	778	687	602	523	450	384	325	274	230	191	157
5°	803	710	621	540	466	397	336	282	237	197	161
3.75°	823	728	637	553	477	407	344	289	242	202	164
2.5°	837	741	649	564	486	415	351	295	246	206	167
1.25°	846	749	656	570	491	419	355	298	248	208	168
0°	849	752	659	572	493	421	356	299	249	209	169
-1.25°	846	749	656	570	491	419	355	298	248	208	168
-2.5°	837	741	649	564	486	415	351	295	246	206	167
-3.75°	823	728	637	553	477	407	344	289	242	202	164
-5°	803	710	621	540	466	397	336	282	237	197	161
-6.25°	778	687	602	523	450	384	325	274	230	191	157
-7.5°	748	660	578	503	432	369	313	263	222	183	152
-8.75°	713	630	552	480	413	352	299	251	212	174	146
-10°	675	597	523	454	391	333	283	239	201	165	139
-11.25°	635	560	491	427	367	314	267	226	189	157	131
-12.5°	592	524	459	398	343	293	249	212	176	148	123
-13.75°	548	485	424	368	318	272	233	197	163	138	113
-15°	504	445	390	338	292	250	215	180	152	128	107
-16.25°	460	406	356	309	267	231	197	165	141	117	99
-17.5°	416	367	322	280	243	210	177	152	128	108	92
-18.75°	373	329	289	252	220	189	160	138	115	99	84
-20°	332	294	258	227	197	167	145	124	105	90	75
-21.25°	294	261	231	202	173	151	130	110	96	81	69



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	258	231	204	176	154	134	114	100	86	73	63
-23.75°	227	202	176	155	136	117	102	89	76	66	56
-25°	197	173	154	136	118	104	91	78	68	59	49
-26.25°	167	151	134	117	104	92	79	69	60	51	44
-27.5°	145	130	114	102	91	79	70	61	52	45	39
-28.75°	124	110	100	89	78	69	61	53	46	40	33
-30°	105	96	86	76	68	60	52	46	40	34	30
-31.25°	90	81	73	66	59	51	45	40	34	30	26
-32.5°	75	69	63	56	49	44	39	33	30	26	23
-33.75°	65	59	52	47	42	37	32	29	26	23	20
-35°	54	49	44	40	35	31	28	25	22	20	18
-36.25°	45	41	37	33	30	27	24	22	20	18	16
-37.5°	37	33	31	28	26	23	21	19	18	16	14
-38.75°	31	28	26	24	22	20	19	17	15	14	13
-40°	26	24	22	20	19	18	16	15	14	13	12
-41.25°	22	20	19	18	16	15	14	13	12	11	10
-42.5°	19	18	16	15	14	13	13	12	11	10	9
-43.75°	16	15	14	13	13	12	11	10	10	9	8
-45°	14	13	12	12	11	10	10	9	8	8	7
-46.25°	12	11	11	10	10	9	8	8	8	7	7
-47.5°	10	10	9	9	8	8	8	7	7	7	6
-48.75°	9	9	8	8	7	7	7	7	6	6	6
-50°	8	8	7	7	7	7	6	6	6	6	6
-51.25°	7	7	7	6	6	6	6	6	6	6	5
-52.5°	6	6	6	6	6	6	6	6	5	5	5
-53.75°	6	6	6	6	6	5	5	5	5	5	5
-55°	6	6	5	5	5	5	5	5	5	5	5
-56.25°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	5	5	5	5	5	5	5	5	5	4	4
-60°	5	5	5	5	5	5	4	4	4	4	4
-61.25°	5	5	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	3
-66.25°	4	4	4	4	4	4	3	3	3	3	3
-67.5°	4	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°	3	3	3	3	3	3	3	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°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	2	2	2	2	2	2	2	2	2	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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°	2	2	2	2	2	1	1	1	1	1	1
76.25°	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2
70°	3	3	3	3	3	2	2	2	2	2	2
68.75°	3	3	3	3	3	3	3	3	2	2	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	3	3	3	3	3	3	3	3	3
62.5°	4	4	4	4	4	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	4	3	3	3	3
60°	4	4	4	4	4	4	4	4	4	3	3
58.75°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
56.25°	5	5	5	4	4	4	4	4	4	4	4
55°	5	5	5	5	5	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	4	4	4	4	4
52.5°	5	5	5	5	5	5	5	5	4	4	4
51.25°	5	5	5	5	5	5	5	5	5	4	4
50°	6	5	5	5	5	5	5	5	5	5	4
48.75°	6	6	5	5	5	5	5	5	5	5	5
47.5°	6	6	6	6	5	5	5	5	5	5	5
46.25°	6	6	6	6	6	5	5	5	5	5	5
45°	7	7	6	6	6	6	5	5	5	5	5
43.75°	8	7	7	6	6	6	6	5	5	5	5
42.5°	8	8	7	7	6	6	6	6	5	5	5
41.25°	10	9	8	7	7	7	6	6	6	5	5
40°	11	10	9	8	7	7	7	6	6	6	5
38.75°	12	11	10	9	8	7	7	6	6	6	6
37.5°	13	12	11	10	9	8	7	7	6	6	6
36.25°	15	13	12	11	10	9	8	7	7	6	6
35°	16	15	13	12	11	10	9	8	7	7	6



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	18	16	15	13	12	11	10	8	8	7	6
32.5°	20	18	16	14	13	12	10	9	8	7	7
31.25°	23	20	18	16	14	13	11	10	9	8	7
30°	26	22	20	18	15	14	12	11	10	8	8
28.75°	29	25	22	19	17	15	13	12	10	9	8
27.5°	32	28	24	21	19	16	14	13	11	10	8
26.25°	37	31	27	23	20	18	15	13	12	10	9
25°	42	35	30	26	22	19	16	14	13	11	10
23.75°	47	40	33	28	24	20	18	15	13	12	10
22.5°	52	44	37	31	26	22	19	16	14	12	11
21.25°	59	49	41	33	28	24	20	18	15	13	11
20°	65	54	45	37	31	26	22	19	16	14	12
18.75°	70	59	49	41	33	28	23	20	17	14	13
17.5°	76	65	53	44	36	30	25	21	18	15	13
16.25°	83	70	58	48	39	31	27	22	19	16	14
15°	90	74	62	51	42	34	28	23	20	17	14
13.75°	96	79	67	55	45	36	30	25	21	17	15
12.5°	102	85	70	58	47	39	31	26	21	18	15
11.25°	108	90	74	62	50	41	32	27	22	19	16
10°	113	95	77	65	52	43	34	28	23	19	16
8.75°	119	99	81	67	55	45	36	29	24	20	17
7.5°	125	103	85	70	57	46	37	30	25	20	17
6.25°	130	106	88	72	59	48	38	31	25	21	18
5°	134	109	90	73	61	49	39	31	26	21	18
3.75°	137	111	92	75	62	49	40	32	26	21	18
2.5°	139	112	94	75	63	50	41	32	27	22	18
1.25°	140	113	94	76	63	50	41	32	27	22	18
0°	141	113	95	76	63	51	41	32	27	22	18
-1.25°	140	113	94	76	63	50	41	32	27	22	18
-2.5°	139	112	94	75	63	50	41	32	27	22	18
-3.75°	137	111	92	75	62	49	40	32	26	21	18
-5°	134	109	90	73	61	49	39	31	26	21	18
-6.25°	130	106	88	72	59	48	38	31	25	21	18
-7.5°	125	103	85	70	57	46	37	30	25	20	17
-8.75°	119	99	81	67	55	45	36	29	24	20	17
-10°	113	95	77	65	52	43	34	28	23	19	16
-11.25°	108	90	74	62	50	41	32	27	22	19	16
-12.5°	102	85	70	58	47	39	31	26	21	18	15
-13.75°	96	79	67	55	45	36	30	25	21	17	15
-15°	90	74	62	51	42	34	28	23	20	17	14
-16.25°	83	70	58	48	39	31	27	22	19	16	14
-17.5°	76	65	53	44	36	30	25	21	18	15	13
-18.75°	70	59	49	41	33	28	23	20	17	14	13
-20°	65	54	45	37	31	26	22	19	16	14	12
-21.25°	59	49	41	33	28	24	20	18	15	13	11



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	52	44	37	31	26	22	19	16	14	12	11
-23.75°	47	40	33	28	24	20	18	15	13	12	10
-25°	42	35	30	26	22	19	16	14	13	11	10
-26.25°	37	31	27	23	20	18	15	13	12	10	9
-27.5°	32	28	24	21	19	16	14	13	11	10	8
-28.75°	29	25	22	19	17	15	13	12	10	9	8
-30°	26	22	20	18	15	14	12	11	10	8	8
-31.25°	23	20	18	16	14	13	11	10	9	8	7
-32.5°	20	18	16	14	13	12	10	9	8	7	7
-33.75°	18	16	15	13	12	11	10	8	8	7	6
-35°	16	15	13	12	11	10	9	8	7	7	6
-36.25°	15	13	12	11	10	9	8	7	7	6	6
-37.5°	13	12	11	10	9	8	7	7	6	6	6
-38.75°	12	11	10	9	8	7	7	6	6	6	6
-40°	11	10	9	8	7	7	7	6	6	6	5
-41.25°	10	9	8	7	7	7	6	6	6	5	5
-42.5°	8	8	7	7	6	6	6	6	5	5	5
-43.75°	8	7	7	6	6	6	6	5	5	5	5
-45°	7	7	6	6	6	6	5	5	5	5	5
-46.25°	6	6	6	6	6	5	5	5	5	5	5
-47.5°	6	6	6	6	5	5	5	5	5	5	5
-48.75°	6	6	5	5	5	5	5	5	5	5	5
-50°	6	5	5	5	5	5	5	5	5	5	4
-51.25°	5	5	5	5	5	5	5	5	5	4	4
-52.5°	5	5	5	5	5	5	5	5	4	4	4
-53.75°	5	5	5	5	5	5	4	4	4	4	4
-55°	5	5	5	5	5	4	4	4	4	4	4
-56.25°	5	5	5	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-58.75°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	3	3
-61.25°	4	4	4	4	4	4	4	3	3	3	3
-62.5°	4	4	4	4	4	3	3	3	3	3	3
-63.75°	4	4	3	3	3	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	2	2	2
-70°	3	3	3	3	3	2	2	2	2	2	2
-71.25°	3	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	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	1	1
-77.5°	2	2	2	2	2	1	1	1	1	1	1



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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°	2	2	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	1	1	1	1
71.25°	2	2	2	2	2	2	2	2	2	1	1
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	2	2	2	2	2	2	2	2	2
65°	3	3	3	3	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	2	2	2	2
61.25°	3	3	3	3	3	3	3	3	2	2	2
60°	3	3	3	3	3	3	3	3	3	2	2
58.75°	3	3	3	3	3	3	3	3	3	3	2
57.5°	4	3	3	3	3	3	3	3	3	3	3
56.25°	4	4	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	3	3	3	3	3	3	3
53.75°	4	4	4	4	4	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	3	3	3	3	3
51.25°	4	4	4	4	4	4	4	3	3	3	3
50°	4	4	4	4	4	4	4	3	3	3	3
48.75°	4	4	4	4	4	4	4	4	3	3	3
47.5°	5	4	4	4	4	4	4	4	4	3	3
46.25°	5	5	4	4	4	4	4	4	4	4	3
45°	5	5	5	4	4	4	4	4	4	4	3
43.75°	5	5	5	5	4	4	4	4	4	4	4
42.5°	5	5	5	5	5	4	4	4	4	4	4
41.25°	5	5	5	5	5	4	4	4	4	4	4
40°	5	5	5	5	5	5	4	4	4	4	4
38.75°	5	5	5	5	5	5	5	4	4	4	4
37.5°	6	5	5	5	5	5	5	4	4	4	4
36.25°	6	5	5	5	5	5	5	5	4	4	4
35°	6	6	5	5	5	5	5	5	4	4	4



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	6	6	6	5	5	5	5	5	4	4	4
32.5°	6	6	6	5	5	5	5	5	5	4	4
31.25°	7	6	6	6	5	5	5	5	5	4	4
30°	7	6	6	6	5	5	5	5	5	5	4
28.75°	7	7	6	6	6	5	5	5	5	5	4
27.5°	8	7	6	6	6	5	5	5	5	5	4
26.25°	8	7	7	6	6	5	5	5	5	5	5
25°	8	7	7	6	6	6	5	5	5	5	5
23.75°	9	8	7	6	6	6	5	5	5	5	5
22.5°	9	8	7	7	6	6	5	5	5	5	5
21.25°	10	9	8	7	6	6	6	5	5	5	5
20°	10	9	8	7	6	6	6	5	5	5	5
18.75°	11	9	8	7	7	6	6	5	5	5	5
17.5°	11	10	8	7	7	6	6	5	5	5	5
16.25°	12	10	9	8	7	6	6	6	5	5	5
15°	12	11	9	8	7	6	6	6	5	5	5
13.75°	13	11	9	8	7	6	6	6	5	5	5
12.5°	13	11	10	8	7	7	6	6	5	5	5
11.25°	14	12	10	8	7	7	6	6	5	5	5
10°	14	12	10	9	8	7	6	6	5	5	5
8.75°	14	12	10	9	8	7	6	6	5	5	5
7.5°	14	13	11	9	8	7	6	6	6	5	5
6.25°	15	13	11	9	8	7	6	6	6	5	5
5°	15	13	11	9	8	7	6	6	6	5	5
3.75°	15	13	11	9	8	7	6	6	6	5	5
2.5°	15	13	11	10	8	7	6	6	6	5	5
1.25°	15	13	11	10	8	7	6	6	6	5	5
0°	15	13	11	10	8	7	6	6	6	5	5
-1.25°	15	13	11	10	8	7	6	6	6	5	5
-2.5°	15	13	11	10	8	7	6	6	6	5	5
-3.75°	15	13	11	9	8	7	6	6	6	5	5
-5°	15	13	11	9	8	7	6	6	6	5	5
-6.25°	15	13	11	9	8	7	6	6	6	5	5
-7.5°	14	13	11	9	8	7	6	6	6	5	5
-8.75°	14	12	10	9	8	7	6	6	5	5	5
-10°	14	12	10	9	8	7	6	6	5	5	5
-11.25°	14	12	10	8	7	7	6	6	5	5	5
-12.5°	13	11	10	8	7	7	6	6	5	5	5
-13.75°	13	11	9	8	7	6	6	6	5	5	5
-15°	12	11	9	8	7	6	6	6	5	5	5
-16.25°	12	10	9	8	7	6	6	6	5	5	5
-17.5°	11	10	8	7	7	6	6	5	5	5	5
-18.75°	11	9	8	7	7	6	6	5	5	5	5
-20°	10	9	8	7	6	6	6	5	5	5	5
-21.25°	10	9	8	7	6	6	6	5	5	5	5



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	9	8	7	7	6	6	5	5	5	5	5
-23.75°	9	8	7	6	6	6	5	5	5	5	5
-25°	8	7	7	6	6	6	5	5	5	5	5
-26.25°	8	7	7	6	6	5	5	5	5	5	5
-27.5°	8	7	6	6	6	5	5	5	5	5	4
-28.75°	7	7	6	6	6	5	5	5	5	5	4
-30°	7	6	6	6	5	5	5	5	5	5	4
-31.25°	7	6	6	6	5	5	5	5	5	4	4
-32.5°	6	6	6	5	5	5	5	5	5	4	4
-33.75°	6	6	6	5	5	5	5	5	4	4	4
-35°	6	6	5	5	5	5	5	5	4	4	4
-36.25°	6	5	5	5	5	5	5	5	4	4	4
-37.5°	6	5	5	5	5	5	5	4	4	4	4
-38.75°	5	5	5	5	5	5	5	4	4	4	4
-40°	5	5	5	5	5	5	4	4	4	4	4
-41.25°	5	5	5	5	5	4	4	4	4	4	4
-42.5°	5	5	5	5	5	4	4	4	4	4	4
-43.75°	5	5	5	5	4	4	4	4	4	4	4
-45°	5	5	5	4	4	4	4	4	4	4	3
-46.25°	5	5	4	4	4	4	4	4	4	4	3
-47.5°	5	4	4	4	4	4	4	4	4	3	3
-48.75°	4	4	4	4	4	4	4	4	3	3	3
-50°	4	4	4	4	4	4	4	3	3	3	3
-51.25°	4	4	4	4	4	4	4	3	3	3	3
-52.5°	4	4	4	4	4	4	3	3	3	3	3
-53.75°	4	4	4	4	4	3	3	3	3	3	3
-55°	4	4	4	4	3	3	3	3	3	3	3
-56.25°	4	4	3	3	3	3	3	3	3	3	3
-57.5°	4	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	2
-60°	3	3	3	3	3	3	3	3	3	2	2
-61.25°	3	3	3	3	3	3	3	3	2	2	2
-62.5°	3	3	3	3	3	3	3	2	2	2	2
-63.75°	3	3	3	3	3	2	2	2	2	2	2
-65°	3	3	3	3	2	2	2	2	2	2	2
-66.25°	3	3	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	1	1
-72.5°	2	2	2	2	2	2	2	1	1	1	1
-73.75°	2	2	2	2	2	1	1	1	1	1	1
-75°	2	2	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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°	2	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	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	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	1	1	1	1
60°	2	2	2	2	2	2	2	2	1	1	1
58.75°	2	2	2	2	2	2	2	2	1	1	1
57.5°	2	2	2	2	2	2	2	2	2	1	1
56.25°	3	2	2	2	2	2	2	2	2	1	1
55°	3	3	2	2	2	2	2	2	2	2	1
53.75°	3	3	2	2	2	2	2	2	2	2	1
52.5°	3	3	3	2	2	2	2	2	2	2	2
51.25°	3	3	3	3	2	2	2	2	2	2	2
50°	3	3	3	3	2	2	2	2	2	2	2
48.75°	3	3	3	3	3	2	2	2	2	2	2
47.5°	3	3	3	3	3	2	2	2	2	2	2
46.25°	3	3	3	3	3	3	2	2	2	2	2
45°	3	3	3	3	3	3	2	2	2	2	2
43.75°	3	3	3	3	3	3	2	2	2	2	2
42.5°	3	3	3	3	3	3	3	2	2	2	2
41.25°	4	3	3	3	3	3	3	2	2	2	2
40°	4	3	3	3	3	3	3	2	2	2	2
38.75°	4	4	3	3	3	3	3	3	2	2	2
37.5°	4	4	3	3	3	3	3	3	2	2	2
36.25°	4	4	3	3	3	3	3	3	2	2	2
35°	4	4	4	3	3	3	3	3	2	2	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	4	4	4	3	3	3	3	3	3	2	2
32.5°	4	4	4	3	3	3	3	3	3	2	2
31.25°	4	4	4	4	3	3	3	3	3	2	2
30°	4	4	4	4	3	3	3	3	3	2	2
28.75°	4	4	4	4	3	3	3	3	3	2	2
27.5°	4	4	4	4	3	3	3	3	3	3	2
26.25°	4	4	4	4	4	3	3	3	3	3	2
25°	4	4	4	4	4	3	3	3	3	3	2
23.75°	4	4	4	4	4	3	3	3	3	3	2
22.5°	4	4	4	4	4	3	3	3	3	3	2
21.25°	5	4	4	4	4	3	3	3	3	3	2
20°	5	4	4	4	4	4	3	3	3	3	2
18.75°	5	4	4	4	4	4	3	3	3	3	3
17.5°	5	4	4	4	4	4	3	3	3	3	3
16.25°	5	4	4	4	4	4	3	3	3	3	3
15°	5	4	4	4	4	4	3	3	3	3	3
13.75°	5	5	4	4	4	4	3	3	3	3	3
12.5°	5	5	4	4	4	4	3	3	3	3	3
11.25°	5	5	4	4	4	4	3	3	3	3	3
10°	5	5	4	4	4	4	3	3	3	3	3
8.75°	5	5	4	4	4	4	4	3	3	3	3
7.5°	5	5	4	4	4	4	4	3	3	3	3
6.25°	5	5	4	4	4	4	4	3	3	3	3
5°	5	5	4	4	4	4	4	3	3	3	3
3.75°	5	5	4	4	4	4	4	3	3	3	3
2.5°	5	5	4	4	4	4	4	3	3	3	3
1.25°	5	5	4	4	4	4	4	3	3	3	3
0°	5	5	4	4	4	4	4	3	3	3	3
-1.25°	5	5	4	4	4	4	4	3	3	3	3
-2.5°	5	5	4	4	4	4	4	3	3	3	3
-3.75°	5	5	4	4	4	4	4	3	3	3	3
-5°	5	5	4	4	4	4	4	3	3	3	3
-6.25°	5	5	4	4	4	4	4	3	3	3	3
-7.5°	5	5	4	4	4	4	4	3	3	3	3
-8.75°	5	5	4	4	4	4	4	3	3	3	3
-10°	5	5	4	4	4	4	3	3	3	3	3
-11.25°	5	5	4	4	4	4	3	3	3	3	3
-12.5°	5	5	4	4	4	4	3	3	3	3	3
-13.75°	5	5	4	4	4	4	3	3	3	3	3
-15°	5	4	4	4	4	4	3	3	3	3	3
-16.25°	5	4	4	4	4	4	3	3	3	3	3
-17.5°	5	4	4	4	4	4	3	3	3	3	3
-18.75°	5	4	4	4	4	4	3	3	3	3	3
-20°	5	4	4	4	4	4	3	3	3	3	2
-21.25°	5	4	4	4	4	3	3	3	3	3	2



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	4	4	4	4	4	3	3	3	3	3	2
-23.75°	4	4	4	4	4	3	3	3	3	3	2
-25°	4	4	4	4	4	3	3	3	3	3	2
-26.25°	4	4	4	4	4	3	3	3	3	3	2
-27.5°	4	4	4	4	3	3	3	3	3	3	2
-28.75°	4	4	4	4	3	3	3	3	3	2	2
-30°	4	4	4	4	3	3	3	3	3	2	2
-31.25°	4	4	4	4	3	3	3	3	3	2	2
-32.5°	4	4	4	3	3	3	3	3	3	2	2
-33.75°	4	4	4	3	3	3	3	3	3	2	2
-35°	4	4	4	3	3	3	3	3	2	2	2
-36.25°	4	4	3	3	3	3	3	3	2	2	2
-37.5°	4	4	3	3	3	3	3	3	2	2	2
-38.75°	4	4	3	3	3	3	3	3	2	2	2
-40°	4	3	3	3	3	3	3	2	2	2	2
-41.25°	4	3	3	3	3	3	3	2	2	2	2
-42.5°	3	3	3	3	3	3	3	2	2	2	2
-43.75°	3	3	3	3	3	3	2	2	2	2	2
-45°	3	3	3	3	3	3	2	2	2	2	2
-46.25°	3	3	3	3	3	3	2	2	2	2	2
-47.5°	3	3	3	3	3	2	2	2	2	2	2
-48.75°	3	3	3	3	3	2	2	2	2	2	2
-50°	3	3	3	3	2	2	2	2	2	2	2
-51.25°	3	3	3	3	2	2	2	2	2	2	2
-52.5°	3	3	3	2	2	2	2	2	2	2	2
-53.75°	3	3	2	2	2	2	2	2	2	2	1
-55°	3	3	2	2	2	2	2	2	2	2	1
-56.25°	3	2	2	2	2	2	2	2	2	1	1
-57.5°	2	2	2	2	2	2	2	2	2	1	1
-58.75°	2	2	2	2	2	2	2	2	1	1	1
-60°	2	2	2	2	2	2	2	2	1	1	1
-61.25°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	2	2	1	1	1	1	1
-63.75°	2	2	2	2	2	2	1	1	1	1	1
-65°	2	2	2	2	2	1	1	1	1	1	1
-66.25°	2	2	2	2	1	1	1	1	1	1	1
-67.5°	2	2	2	1	1	1	1	1	1	1	1
-68.75°	2	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	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°	2	1	1	1	1	1	1	1	0	0	0
47.5°	2	1	1	1	1	1	1	1	0	0	0
46.25°	2	1	1	1	1	1	1	1	0	0	0
45°	2	1	1	1	1	1	1	1	0	0	0
43.75°	2	2	1	1	1	1	1	1	0	0	0
42.5°	2	2	1	1	1	1	1	1	0	0	0
41.25°	2	2	1	1	1	1	1	1	0	0	0
40°	2	2	1	1	1	1	1	1	0	0	0
38.75°	2	2	2	1	1	1	1	1	0	0	0
37.5°	2	2	2	1	1	1	1	1	0	0	0
36.25°	2	2	2	1	1	1	1	1	0	0	0
35°	2	2	2	1	1	1	1	1	1	0	0



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	2	2	2	1	1	1	1	1	1	0	0
32.5°	2	2	2	1	1	1	1	1	1	0	0
31.25°	2	2	2	1	1	1	1	1	1	0	0
30°	2	2	2	2	1	1	1	1	1	0	0
28.75°	2	2	2	2	1	1	1	1	1	0	0
27.5°	2	2	2	2	1	1	1	1	1	0	0
26.25°	2	2	2	2	1	1	1	1	1	0	0
25°	2	2	2	2	1	1	1	1	1	0	0
23.75°	2	2	2	2	1	1	1	1	1	0	0
22.5°	2	2	2	2	1	1	1	1	1	0	0
21.25°	2	2	2	2	1	1	1	1	1	0	0
20°	2	2	2	2	1	1	1	1	1	0	0
18.75°	2	2	2	2	1	1	1	1	1	0	0
17.5°	2	2	2	2	1	1	1	1	1	0	0
16.25°	2	2	2	2	1	1	1	1	1	0	0
15°	2	2	2	2	1	1	1	1	1	0	0
13.75°	2	2	2	2	2	1	1	1	1	0	0
12.5°	2	2	2	2	2	1	1	1	1	0	0
11.25°	2	2	2	2	2	1	1	1	1	0	0
10°	2	2	2	2	2	1	1	1	1	0	0
8.75°	2	2	2	2	2	1	1	1	1	0	0
7.5°	2	2	2	2	2	1	1	1	1	0	0
6.25°	2	2	2	2	2	1	1	1	1	0	0
5°	2	2	2	2	2	1	1	1	1	0	0
3.75°	2	2	2	2	2	1	1	1	1	0	0
2.5°	2	2	2	2	2	1	1	1	1	0	0
1.25°	2	2	2	2	2	1	1	1	1	0	0
0°	2	2	2	2	2	1	1	1	1	0	0
-1.25°	2	2	2	2	2	1	1	1	1	0	0
-2.5°	2	2	2	2	2	1	1	1	1	0	0
-3.75°	2	2	2	2	2	1	1	1	1	0	0
-5°	2	2	2	2	2	1	1	1	1	0	0
-6.25°	2	2	2	2	2	1	1	1	1	0	0
-7.5°	2	2	2	2	2	1	1	1	1	0	0
-8.75°	2	2	2	2	2	1	1	1	1	0	0
-10°	2	2	2	2	2	1	1	1	1	0	0
-11.25°	2	2	2	2	2	1	1	1	1	0	0
-12.5°	2	2	2	2	2	1	1	1	1	0	0
-13.75°	2	2	2	2	2	1	1	1	1	0	0
-15°	2	2	2	2	1	1	1	1	1	0	0
-16.25°	2	2	2	2	1	1	1	1	1	0	0
-17.5°	2	2	2	2	1	1	1	1	1	0	0
-18.75°	2	2	2	2	1	1	1	1	1	0	0
-20°	2	2	2	2	1	1	1	1	1	0	0
-21.25°	2	2	2	2	1	1	1	1	1	0	0



REPORT NUMBER: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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°	2	2	2	2	1	1	1	1	1	0	0
-23.75°	2	2	2	2	1	1	1	1	1	0	0
-25°	2	2	2	2	1	1	1	1	1	0	0
-26.25°	2	2	2	2	1	1	1	1	1	0	0
-27.5°	2	2	2	2	1	1	1	1	1	0	0
-28.75°	2	2	2	2	1	1	1	1	1	0	0
-30°	2	2	2	2	1	1	1	1	1	0	0
-31.25°	2	2	2	1	1	1	1	1	1	0	0
-32.5°	2	2	2	1	1	1	1	1	1	0	0
-33.75°	2	2	2	1	1	1	1	1	1	0	0
-35°	2	2	2	1	1	1	1	1	1	0	0
-36.25°	2	2	2	1	1	1	1	1	0	0	0
-37.5°	2	2	2	1	1	1	1	1	0	0	0
-38.75°	2	2	2	1	1	1	1	1	0	0	0
-40°	2	2	1	1	1	1	1	1	0	0	0
-41.25°	2	2	1	1	1	1	1	1	0	0	0
-42.5°	2	2	1	1	1	1	1	1	0	0	0
-43.75°	2	2	1	1	1	1	1	1	0	0	0
-45°	2	1	1	1	1	1	1	1	0	0	0
-46.25°	2	1	1	1	1	1	1	1	0	0	0
-47.5°	2	1	1	1	1	1	1	1	0	0	0
-48.75°	2	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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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: P220386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-WT-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)