

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: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

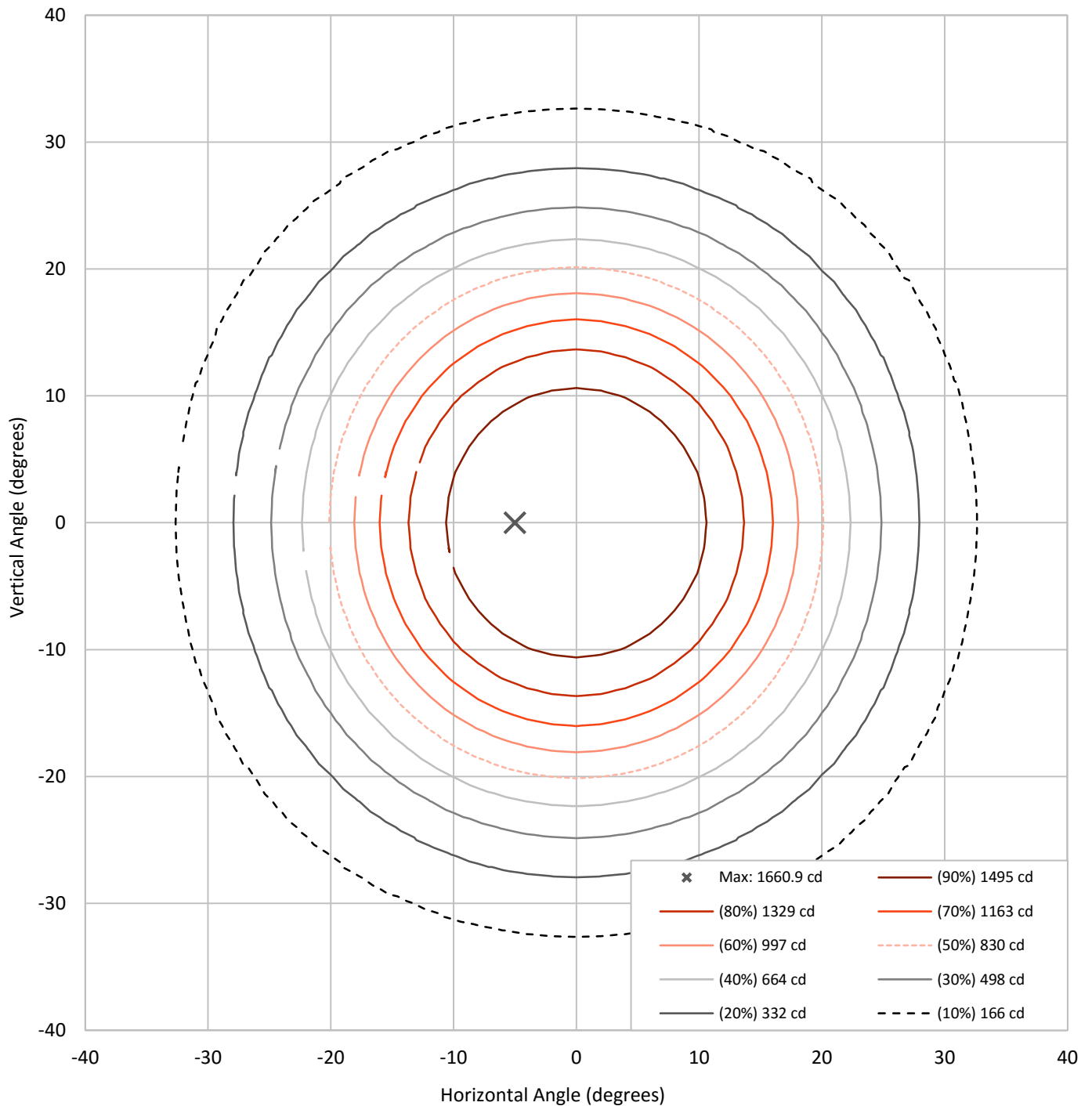
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	813.8 lumens	Max Intensity:	1660.9 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	81.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.3°H x 39.1°V	Field Angle (10%):	65°H x 64.5°V
Beam Lumens:	490 lumens	Field Lumens:	744.8 lumens
Beam Efficiency:	60.2%	Field Efficiency:	91.5%
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		

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

Iso-Candela Plot





REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

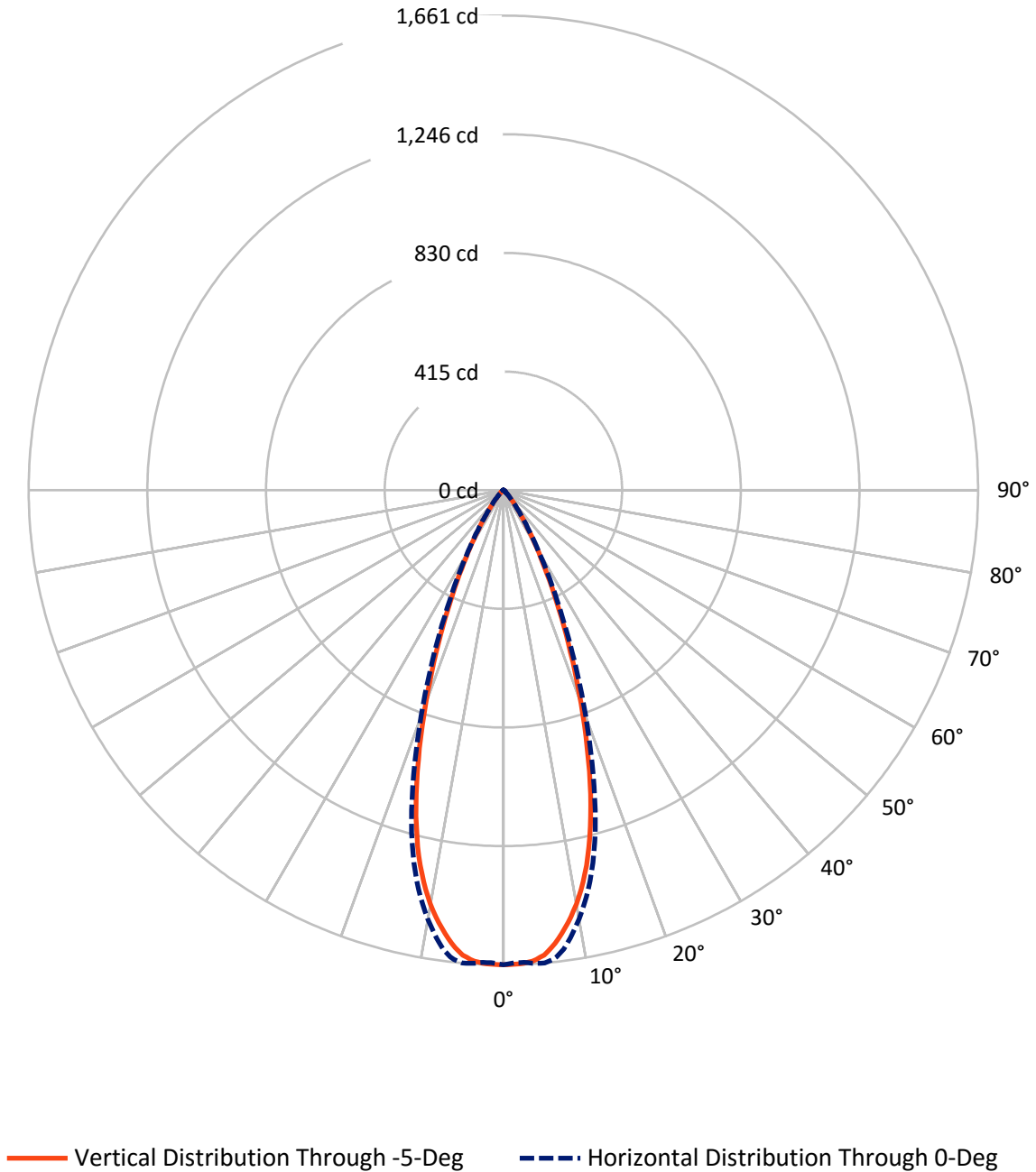
Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		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			
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	0.0
40		0.0	0.0	0.1	0.3	1.0	2.3	3.5	3.5	2.3	1.0	0.3	0.1	0.0			
30	0.0	0.0	0.1	0.2	0.9	3.5	8.9	14.2	14.2	8.9	3.5	0.9	0.2	0.1	0.0	0.0	0.0
20		0.0	0.1	0.4	2.0	8.4	22.2	34.7	34.7	22.2	8.4	2.0	0.4	0.1			
10	0.0	0.0	0.1	0.5	2.9	13.1	33.7	48.0	48.0	33.7	13.1	2.9	0.5	0.1	0.0	0.0	0.0
0		0.0	0.1	0.5	2.9	13.1	33.7	48.0	48.0	33.7	13.1	2.9	0.5	0.1			
-10	0.0	0.0	0.1	0.5	2.9	13.1	33.7	48.0	48.0	33.7	13.1	2.9	0.5	0.1	0.0	0.0	0.0
-20		0.0	0.1	0.4	2.0	8.4	22.2	34.7	34.7	22.2	8.4	2.0	0.4	0.1			
-30	0.0	0.0	0.1	0.2	0.9	3.5	8.9	14.2	14.2	8.9	3.5	0.9	0.2	0.1	0.0	0.0	0.0
-40		0.0	0.0	0.1	0.3	1.0	2.3	3.5	3.5	2.3	1.0	0.3	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	0.0
-60		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			
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

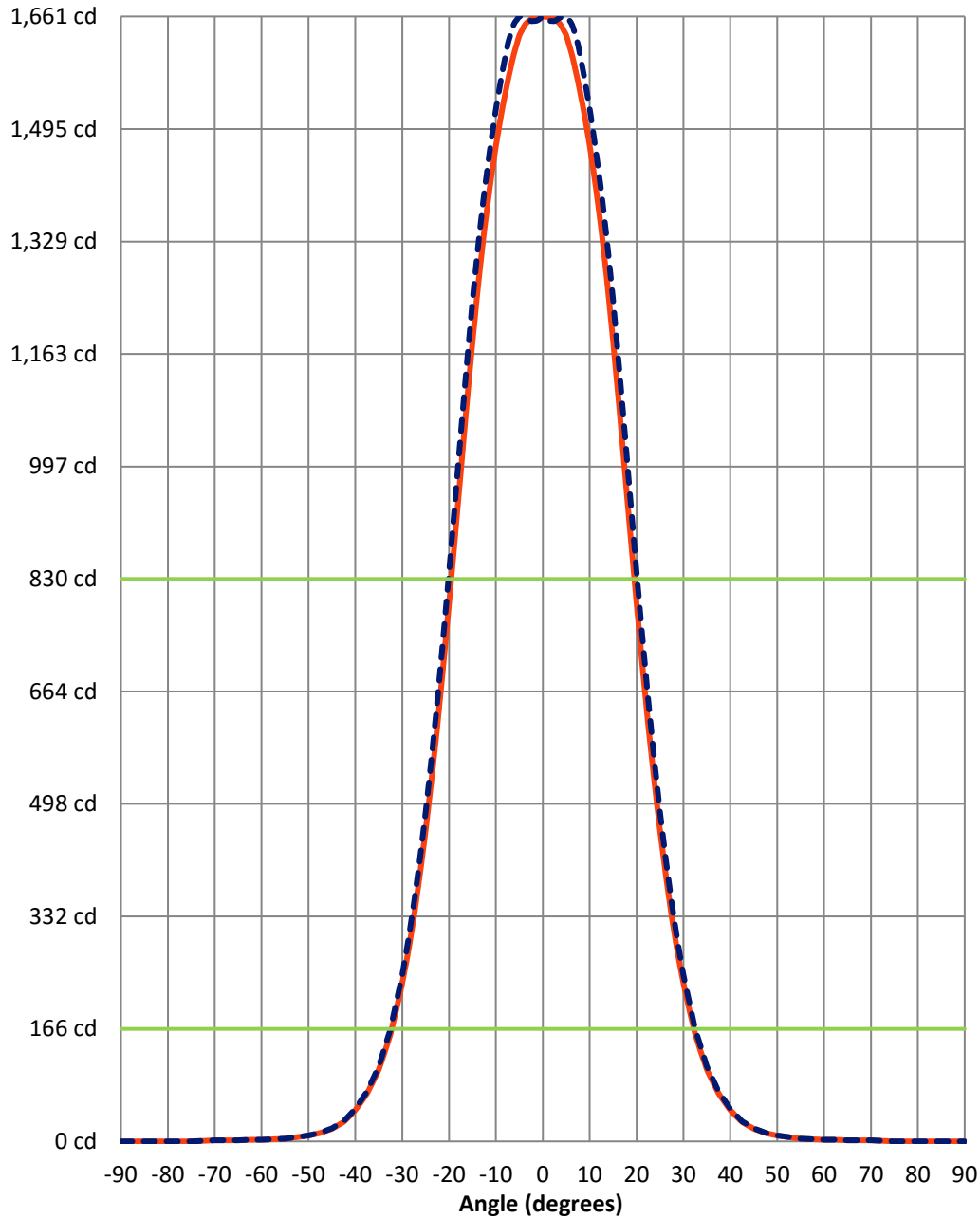
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 40.3°
 V Angle: 39.1°
 Lumens: 490
 Efficiency: 60.2%

Field:
 H Angle: 65°
 V Angle: 64.5°
 Lumens: 744.8
 Efficiency: 91.5%

Spill:
 Lumens: 68.9
 Efficiency: 8.5%

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	2	2	2	2	2	2	2	2	3	3	3
32.5°	2	2	2	2	2	2	2	2	3	3	3
31.25°	2	2	2	2	2	2	2	3	3	3	3
30°	2	2	2	2	2	2	2	3	3	3	4
28.75°	2	2	2	2	2	2	2	3	3	3	4
27.5°	2	2	2	2	2	2	3	3	3	4	4
26.25°	2	2	2	2	2	2	3	3	3	4	4
25°	2	2	2	2	2	2	3	3	4	4	5
23.75°	2	2	2	2	2	3	3	3	4	4	5
22.5°	2	2	2	2	2	3	3	3	4	4	5
21.25°	2	2	2	2	2	3	3	4	4	5	6
20°	2	2	2	2	3	3	3	4	4	5	6
18.75°	2	2	2	2	3	3	3	4	4	5	6
17.5°	2	2	2	2	3	3	3	4	4	6	7
16.25°	2	2	2	2	3	3	3	4	5	6	7
15°	2	2	2	2	3	3	4	4	5	6	7
13.75°	2	2	2	2	3	3	4	4	5	6	7
12.5°	2	2	2	3	3	3	4	4	5	7	8
11.25°	2	2	2	3	3	3	4	4	6	7	8
10°	2	2	2	3	3	3	4	5	6	7	8
8.75°	2	2	2	3	3	3	4	5	6	7	8
7.5°	2	2	2	3	3	3	4	5	6	7	8
6.25°	2	2	2	3	3	4	4	5	6	7	9
5°	2	2	2	3	3	4	4	5	6	7	9
3.75°	2	2	2	3	3	4	4	5	6	8	9
2.5°	2	2	2	3	3	4	4	5	6	8	9
1.25°	2	2	2	3	3	4	4	5	6	8	9
0°	2	2	2	3	3	4	4	5	6	8	9
-1.25°	2	2	2	3	3	4	4	5	6	8	9
-2.5°	2	2	2	3	3	4	4	5	6	8	9
-3.75°	2	2	2	3	3	4	4	5	6	8	9
-5°	2	2	2	3	3	4	4	5	6	7	9
-6.25°	2	2	2	3	3	4	4	5	6	7	9
-7.5°	2	2	2	3	3	3	4	5	6	7	8
-8.75°	2	2	2	3	3	3	4	5	6	7	8
-10°	2	2	2	3	3	3	4	5	6	7	8
-11.25°	2	2	2	3	3	3	4	4	6	7	8
-12.5°	2	2	2	3	3	3	4	4	5	7	8
-13.75°	2	2	2	2	3	3	4	4	5	6	7
-15°	2	2	2	2	3	3	4	4	5	6	7
-16.25°	2	2	2	2	3	3	3	4	5	6	7
-17.5°	2	2	2	2	3	3	3	4	4	6	7
-18.75°	2	2	2	2	3	3	3	4	4	5	6
-20°	2	2	2	2	3	3	3	4	4	5	6
-21.25°	2	2	2	2	2	3	3	4	4	5	6



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	0	0	0	0	0	0	0	0	0	1	1
67.5°	0	0	0	0	0	0	1	1	1	1	1
66.25°	0	0	0	0	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	1	2
63.75°	1	1	1	1	1	1	1	2	2	2	2
62.5°	1	1	1	1	1	2	2	2	2	2	2
61.25°	1	1	1	2	2	2	2	2	2	2	2
60°	1	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	2	2
51.25°	2	2	2	2	2	2	2	2	2	2	3
50°	2	2	2	2	2	2	2	2	2	3	3
48.75°	2	2	2	2	2	2	2	3	3	3	3
47.5°	2	2	2	2	2	2	3	3	3	3	3
46.25°	2	2	2	2	2	3	3	3	3	3	4
45°	2	2	2	2	3	3	3	3	4	4	4
43.75°	2	2	2	3	3	3	3	4	4	4	5
42.5°	2	2	3	3	3	3	4	4	4	5	5
41.25°	2	3	3	3	3	4	4	4	5	6	6
40°	3	3	3	3	4	4	4	5	6	6	7
38.75°	3	3	3	4	4	4	5	6	6	7	8
37.5°	3	3	3	4	4	5	6	6	7	8	9
36.25°	3	3	4	4	5	5	6	7	8	9	10
35°	3	4	4	4	5	6	7	8	9	10	11



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	3	4	4	5	6	7	8	8	9	11	12
32.5°	4	4	5	6	6	7	8	9	11	12	14
31.25°	4	4	5	6	7	8	9	10	12	13	16
30°	4	5	6	7	8	8	10	11	13	15	17
28.75°	4	5	6	7	8	9	11	12	14	17	19
27.5°	5	6	7	8	9	10	12	14	16	19	22
26.25°	5	6	7	8	9	11	13	15	18	21	25
25°	6	7	8	9	10	12	14	17	19	23	27
23.75°	6	7	8	9	11	13	15	18	22	26	30
22.5°	6	7	9	10	12	14	17	20	24	28	35
21.25°	7	8	9	11	13	15	18	22	26	31	39
20°	7	8	10	11	13	16	19	24	28	35	43
18.75°	7	9	10	12	15	17	21	26	30	39	47
17.5°	8	9	11	13	16	18	23	27	34	42	51
16.25°	8	9	11	13	16	20	24	29	37	45	56
15°	8	10	12	14	17	21	26	31	40	48	60
13.75°	9	10	12	15	18	22	27	34	43	52	64
12.5°	9	11	13	16	19	24	29	36	45	56	68
11.25°	9	11	13	16	20	25	30	39	47	59	71
10°	10	12	14	17	21	26	32	41	50	62	75
8.75°	10	12	14	18	22	27	33	42	52	65	79
7.5°	10	12	15	18	22	27	35	44	55	67	82
6.25°	10	12	15	18	23	28	36	45	57	69	85
5°	10	12	16	19	24	29	37	46	58	71	88
3.75°	11	13	16	19	24	29	38	47	59	72	90
2.5°	11	13	16	19	24	29	38	48	60	73	91
1.25°	11	13	16	19	24	30	39	48	61	74	92
0°	11	13	16	19	25	30	39	48	61	74	92
-1.25°	11	13	16	19	24	30	39	48	61	74	92
-2.5°	11	13	16	19	24	29	38	48	60	73	91
-3.75°	11	13	16	19	24	29	38	47	59	72	90
-5°	10	12	16	19	24	29	37	46	58	71	88
-6.25°	10	12	15	18	23	28	36	45	57	69	85
-7.5°	10	12	15	18	22	27	35	44	55	67	82
-8.75°	10	12	14	18	22	27	33	42	52	65	79
-10°	10	12	14	17	21	26	32	41	50	62	75
-11.25°	9	11	13	16	20	25	30	39	47	59	71
-12.5°	9	11	13	16	19	24	29	36	45	56	68
-13.75°	9	10	12	15	18	22	27	34	43	52	64
-15°	8	10	12	14	17	21	26	31	40	48	60
-16.25°	8	9	11	13	16	20	24	29	37	45	56
-17.5°	8	9	11	13	16	18	23	27	34	42	51
-18.75°	7	9	10	12	15	17	21	26	30	39	47
-20°	7	8	10	11	13	16	19	24	28	35	43
-21.25°	7	8	9	11	13	15	18	22	26	31	39



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	6	7	9	10	12	14	17	20	24	28	35
-23.75°	6	7	8	9	11	13	15	18	22	26	30
-25°	6	7	8	9	10	12	14	17	19	23	27
-26.25°	5	6	7	8	9	11	13	15	18	21	25
-27.5°	5	6	7	8	9	10	12	14	16	19	22
-28.75°	4	5	6	7	8	9	11	12	14	17	19
-30°	4	5	6	7	8	8	10	11	13	15	17
-31.25°	4	4	5	6	7	8	9	10	12	13	16
-32.5°	4	4	5	6	6	7	8	9	11	12	14
-33.75°	3	4	4	5	6	7	8	8	9	11	12
-35°	3	4	4	4	5	6	7	8	9	10	11
-36.25°	3	3	4	4	5	5	6	7	8	9	10
-37.5°	3	3	3	4	4	5	6	6	7	8	9
-38.75°	3	3	3	4	4	4	5	6	6	7	8
-40°	3	3	3	3	4	4	4	5	6	6	7
-41.25°	2	3	3	3	3	4	4	4	5	6	6
-42.5°	2	2	3	3	3	3	4	4	4	5	5
-43.75°	2	2	2	3	3	3	3	4	4	4	5
-45°	2	2	2	2	3	3	3	3	4	4	4
-46.25°	2	2	2	2	2	3	3	3	3	3	4
-47.5°	2	2	2	2	2	2	3	3	3	3	3
-48.75°	2	2	2	2	2	2	2	3	3	3	3
-50°	2	2	2	2	2	2	2	2	2	3	3
-51.25°	2	2	2	2	2	2	2	2	2	2	3
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	1	2	2	2	2	2	2	2	2	2	2
-61.25°	1	1	1	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	1	2	2	2	2
-65°	0	1	1	1	1	1	1	1	1	1	2
-66.25°	0	0	0	0	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	0	1	1	1	1	1
-68.75°	0	0	0	0	0	0	0	0	0	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	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	2	2	2	2	2
66.25°	1	1	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	3	3
55°	2	2	2	2	2	2	3	3	3	3	3
53.75°	2	2	2	3	3	3	3	3	3	3	3
52.5°	2	3	3	3	3	3	3	3	4	4	4
51.25°	3	3	3	3	3	3	4	4	4	4	4
50°	3	3	3	3	4	4	4	4	5	5	5
48.75°	3	3	4	4	4	4	5	5	6	6	6
47.5°	4	4	4	4	5	5	6	6	7	7	7
46.25°	4	4	5	5	6	6	7	7	8	8	9
45°	4	5	6	6	7	7	8	8	9	9	10
43.75°	5	6	6	7	8	8	9	9	10	11	12
42.5°	6	7	7	8	8	9	10	11	12	13	14
41.25°	7	8	8	9	10	11	12	13	14	15	17
40°	8	8	9	10	11	12	14	15	17	18	20
38.75°	9	9	11	12	13	14	16	18	19	22	24
37.5°	10	11	12	13	15	17	19	21	23	26	28
36.25°	11	12	14	16	17	19	22	25	27	30	35
35°	12	14	16	18	20	23	26	29	33	38	42



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	14	16	18	21	24	27	30	35	40	45	50
32.5°	16	18	21	24	27	31	37	42	47	54	60
31.25°	18	21	24	27	32	37	43	49	56	63	70
30°	20	24	27	32	38	44	50	58	66	73	83
28.75°	23	27	31	37	44	50	59	67	76	87	97
27.5°	26	30	37	43	50	59	67	77	89	100	111
26.25°	29	35	42	49	58	67	77	89	101	115	132
25°	33	40	47	56	66	76	89	101	116	134	152
23.75°	38	45	54	63	73	87	100	115	134	153	174
22.5°	42	50	60	70	83	97	111	132	152	174	201
21.25°	46	56	67	79	93	108	128	149	170	199	228
20°	52	62	73	88	103	121	143	165	194	224	255
18.75°	57	68	81	97	113	136	158	186	217	249	285
17.5°	62	73	89	105	126	149	175	207	239	276	318
16.25°	67	81	97	114	138	162	194	228	264	305	352
15°	72	88	104	125	150	178	212	247	288	334	386
13.75°	77	94	111	136	161	194	229	268	314	364	419
12.5°	83	100	120	146	173	209	245	289	339	394	453
11.25°	88	105	129	155	187	223	263	310	363	421	485
10°	93	110	136	163	199	236	279	329	386	448	516
8.75°	97	117	143	171	209	248	295	348	408	473	545
7.5°	100	122	149	180	219	260	309	365	427	496	572
6.25°	104	127	154	188	227	270	321	380	445	517	595
5°	106	131	159	194	234	278	332	393	459	534	614
3.75°	108	134	162	199	239	285	340	403	471	547	630
2.5°	110	137	164	203	243	291	347	410	479	557	642
1.25°	110	138	166	205	245	294	351	414	485	563	649
0°	111	138	166	206	246	295	352	415	486	565	651
-1.25°	110	138	166	205	245	294	351	414	485	563	649
-2.5°	110	137	164	203	243	291	347	410	479	557	642
-3.75°	108	134	162	199	239	285	340	403	471	547	630
-5°	106	131	159	194	234	278	332	393	459	534	614
-6.25°	104	127	154	188	227	270	321	380	445	517	595
-7.5°	100	122	149	180	219	260	309	365	427	496	572
-8.75°	97	117	143	171	209	248	295	348	408	473	545
-10°	93	110	136	163	199	236	279	329	386	448	516
-11.25°	88	105	129	155	187	223	263	310	363	421	485
-12.5°	83	100	120	146	173	209	245	289	339	394	453
-13.75°	77	94	111	136	161	194	229	268	314	364	419
-15°	72	88	104	125	150	178	212	247	288	334	386
-16.25°	67	81	97	114	138	162	194	228	264	305	352
-17.5°	62	73	89	105	126	149	175	207	239	276	318
-18.75°	57	68	81	97	113	136	158	186	217	249	285
-20°	52	62	73	88	103	121	143	165	194	224	255
-21.25°	46	56	67	79	93	108	128	149	170	199	228



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	42	50	60	70	83	97	111	132	152	174	201
-23.75°	38	45	54	63	73	87	100	115	134	153	174
-25°	33	40	47	56	66	76	89	101	116	134	152
-26.25°	29	35	42	49	58	67	77	89	101	115	132
-27.5°	26	30	37	43	50	59	67	77	89	100	111
-28.75°	23	27	31	37	44	50	59	67	76	87	97
-30°	20	24	27	32	38	44	50	58	66	73	83
-31.25°	18	21	24	27	32	37	43	49	56	63	70
-32.5°	16	18	21	24	27	31	37	42	47	54	60
-33.75°	14	16	18	21	24	27	30	35	40	45	50
-35°	12	14	16	18	20	23	26	29	33	38	42
-36.25°	11	12	14	16	17	19	22	25	27	30	35
-37.5°	10	11	12	13	15	17	19	21	23	26	28
-38.75°	9	9	11	12	13	14	16	18	19	22	24
-40°	8	8	9	10	11	12	14	15	17	18	20
-41.25°	7	8	8	9	10	11	12	13	14	15	17
-42.5°	6	7	7	8	8	9	10	11	12	13	14
-43.75°	5	6	6	7	8	8	9	9	10	11	12
-45°	4	5	6	6	7	7	8	8	9	9	10
-46.25°	4	4	5	5	6	6	7	7	8	8	9
-47.5°	4	4	4	4	5	5	6	6	7	7	7
-48.75°	3	3	4	4	4	4	5	5	6	6	6
-50°	3	3	3	3	4	4	4	4	5	5	5
-51.25°	3	3	3	3	3	3	4	4	4	4	4
-52.5°	2	3	3	3	3	3	3	3	4	4	4
-53.75°	2	2	2	3	3	3	3	3	3	3	3
-55°	2	2	2	2	2	2	3	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	2	3	3
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	1	1	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	2	2	2	2	2
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	1	1	1	1	1	1	1	1	1
-71.25°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	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	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°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
56.25°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	4	4	4	4	4	4
53.75°	4	4	4	4	4	4	4	4	4	5	5
52.5°	4	4	4	4	5	5	5	5	6	6	6
51.25°	5	5	5	6	6	6	6	7	7	7	7
50°	6	6	6	7	7	7	7	8	8	8	8
48.75°	7	7	7	8	8	8	9	9	9	10	10
47.5°	8	8	9	9	9	10	10	11	11	12	12
46.25°	9	10	10	11	11	12	12	13	13	14	14
45°	11	11	12	13	13	14	15	16	16	17	18
43.75°	13	13	15	16	16	17	18	19	20	21	22
42.5°	15	16	17	18	20	21	22	24	25	26	27
41.25°	18	19	21	23	24	26	27	29	30	32	33
40°	22	24	26	27	29	31	34	36	39	41	42
38.75°	26	28	30	34	37	40	43	45	47	50	52
37.5°	31	35	39	42	45	48	52	56	59	62	65
36.25°	39	43	47	51	56	60	64	68	71	75	79
35°	46	52	57	62	67	72	77	83	88	93	97



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	56	62	68	73	81	88	94	100	105	110	117
32.5°	67	73	81	89	97	104	111	120	129	136	143
31.25°	79	88	97	105	114	125	136	146	155	163	171
30°	93	103	113	126	138	150	161	173	187	199	209
28.75°	108	121	136	149	162	178	194	209	223	236	248
27.5°	128	143	158	175	194	212	229	245	263	279	295
26.25°	149	165	186	207	228	247	268	289	310	329	348
25°	170	194	217	239	264	288	314	339	363	386	408
23.75°	199	224	249	276	305	334	364	394	421	448	473
22.5°	228	255	285	318	352	386	419	453	485	516	545
21.25°	257	290	325	363	401	440	478	517	554	590	622
20°	290	328	369	411	454	498	542	586	627	668	705
18.75°	325	369	414	461	510	559	608	658	705	750	792
17.5°	363	411	461	514	568	623	678	733	785	835	881
16.25°	401	454	510	568	628	689	750	810	867	921	971
15°	440	498	559	623	689	755	822	887	949	1007	1060
13.75°	478	542	608	678	750	822	893	963	1029	1091	1145
12.5°	517	586	658	733	810	887	963	1036	1106	1168	1225
11.25°	554	627	705	785	867	949	1029	1106	1176	1241	1295
10°	590	668	750	835	921	1007	1091	1168	1241	1303	1357
8.75°	622	705	792	881	971	1060	1145	1225	1295	1357	1409
7.5°	653	739	830	922	1016	1107	1193	1273	1342	1402	1454
6.25°	679	769	863	959	1055	1148	1235	1313	1381	1440	1491
5°	702	794	891	989	1088	1181	1268	1345	1412	1470	1521
3.75°	720	815	913	1013	1113	1207	1294	1370	1436	1494	1544
2.5°	733	829	929	1031	1131	1226	1312	1387	1453	1511	1561
1.25°	741	838	939	1042	1142	1237	1322	1398	1463	1521	1572
0°	743	841	942	1045	1145	1241	1326	1401	1466	1525	1575
-1.25°	741	838	939	1042	1142	1237	1322	1398	1463	1521	1572
-2.5°	733	829	929	1031	1131	1226	1312	1387	1453	1511	1561
-3.75°	720	815	913	1013	1113	1207	1294	1370	1436	1494	1544
-5°	702	794	891	989	1088	1181	1268	1345	1412	1470	1521
-6.25°	679	769	863	959	1055	1148	1235	1313	1381	1440	1491
-7.5°	653	739	830	922	1016	1107	1193	1273	1342	1402	1454
-8.75°	622	705	792	881	971	1060	1145	1225	1295	1357	1409
-10°	590	668	750	835	921	1007	1091	1168	1241	1303	1357
-11.25°	554	627	705	785	867	949	1029	1106	1176	1241	1295
-12.5°	517	586	658	733	810	887	963	1036	1106	1168	1225
-13.75°	478	542	608	678	750	822	893	963	1029	1091	1145
-15°	440	498	559	623	689	755	822	887	949	1007	1060
-16.25°	401	454	510	568	628	689	750	810	867	921	971
-17.5°	363	411	461	514	568	623	678	733	785	835	881
-18.75°	325	369	414	461	510	559	608	658	705	750	792
-20°	290	328	369	411	454	498	542	586	627	668	705
-21.25°	257	290	325	363	401	440	478	517	554	590	622



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	228	255	285	318	352	386	419	453	485	516	545
-23.75°	199	224	249	276	305	334	364	394	421	448	473
-25°	170	194	217	239	264	288	314	339	363	386	408
-26.25°	149	165	186	207	228	247	268	289	310	329	348
-27.5°	128	143	158	175	194	212	229	245	263	279	295
-28.75°	108	121	136	149	162	178	194	209	223	236	248
-30°	93	103	113	126	138	150	161	173	187	199	209
-31.25°	79	88	97	105	114	125	136	146	155	163	171
-32.5°	67	73	81	89	97	104	111	120	129	136	143
-33.75°	56	62	68	73	81	88	94	100	105	110	117
-35°	46	52	57	62	67	72	77	83	88	93	97
-36.25°	39	43	47	51	56	60	64	68	71	75	79
-37.5°	31	35	39	42	45	48	52	56	59	62	65
-38.75°	26	28	30	34	37	40	43	45	47	50	52
-40°	22	24	26	27	29	31	34	36	39	41	42
-41.25°	18	19	21	23	24	26	27	29	30	32	33
-42.5°	15	16	17	18	20	21	22	24	25	26	27
-43.75°	13	13	15	16	16	17	18	19	20	21	22
-45°	11	11	12	13	13	14	15	16	16	17	18
-46.25°	9	10	10	11	11	12	12	13	13	14	14
-47.5°	8	8	9	9	9	10	10	11	11	12	12
-48.75°	7	7	7	8	8	8	9	9	9	10	10
-50°	6	6	6	7	7	7	7	8	8	8	8
-51.25°	5	5	5	6	6	6	6	7	7	7	7
-52.5°	4	4	4	4	5	5	5	5	6	6	6
-53.75°	4	4	4	4	4	4	4	4	4	5	5
-55°	3	3	3	3	3	4	4	4	4	4	4
-56.25°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	2	3	3	3	3	3	3	3	3	3	3
-58.75°	2	2	2	2	2	2	2	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	2
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	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°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	3	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
53.75°	5	5	5	5	5	5	5	5	5	5	5
52.5°	6	6	6	6	6	6	6	6	6	6	6
51.25°	7	7	7	8	8	8	8	8	8	8	7
50°	8	9	9	9	9	9	9	9	9	9	9
48.75°	10	10	10	11	11	11	11	11	11	11	10
47.5°	12	12	12	13	13	13	13	13	13	13	12
46.25°	15	15	16	16	16	16	16	16	16	16	16
45°	18	18	19	19	19	19	19	19	19	19	19
43.75°	22	23	24	24	24	24	25	24	24	24	24
42.5°	27	28	29	29	29	30	30	30	29	29	29
41.25°	35	36	37	38	38	39	39	39	38	38	37
40°	44	45	46	47	48	48	48	48	48	47	46
38.75°	55	57	58	59	60	61	61	61	60	59	58
37.5°	67	69	71	72	73	74	74	74	73	72	71
36.25°	82	85	88	90	91	92	92	92	91	90	88
35°	100	104	106	108	110	110	111	110	110	108	106



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	122	127	131	134	137	138	138	138	137	134	131
32.5°	149	154	159	162	164	166	166	166	164	162	159
31.25°	180	188	194	199	203	205	206	205	203	199	194
30°	219	227	234	239	243	245	246	245	243	239	234
28.75°	260	270	278	285	291	294	295	294	291	285	278
27.5°	309	321	332	340	347	351	352	351	347	340	332
26.25°	365	380	393	403	410	414	415	414	410	403	393
25°	427	445	459	471	479	485	486	485	479	471	459
23.75°	496	517	534	547	557	563	565	563	557	547	534
22.5°	572	595	614	630	642	649	651	649	642	630	614
21.25°	653	679	702	720	733	741	743	741	733	720	702
20°	739	769	794	815	829	838	841	838	829	815	794
18.75°	830	863	891	913	929	939	942	939	929	913	891
17.5°	922	959	989	1013	1031	1042	1045	1042	1031	1013	989
16.25°	1016	1055	1088	1113	1131	1142	1145	1142	1131	1113	1088
15°	1107	1148	1181	1207	1226	1237	1241	1237	1226	1207	1181
13.75°	1193	1235	1268	1294	1312	1322	1326	1322	1312	1294	1268
12.5°	1273	1313	1345	1370	1387	1398	1401	1398	1387	1370	1345
11.25°	1342	1381	1412	1436	1453	1463	1466	1463	1453	1436	1412
10°	1402	1440	1470	1494	1511	1521	1525	1521	1511	1494	1470
8.75°	1454	1491	1521	1544	1561	1572	1575	1572	1561	1544	1521
7.5°	1497	1535	1565	1589	1607	1616	1620	1616	1607	1589	1565
6.25°	1535	1572	1604	1626	1640	1647	1650	1647	1640	1626	1604
5°	1565	1604	1633	1650	1657	1660	1661	1660	1657	1650	1633
3.75°	1589	1626	1650	1659	1661	1661	1660	1661	1661	1659	1650
2.5°	1607	1640	1657	1661	1659	1655	1654	1655	1659	1661	1657
1.25°	1616	1647	1660	1661	1655	1653	1655	1653	1655	1661	1660
0°	1620	1650	1661	1660	1654	1655	1661	1655	1654	1660	1661
-1.25°	1616	1647	1660	1661	1655	1653	1655	1653	1655	1661	1660
-2.5°	1607	1640	1657	1661	1659	1655	1654	1655	1659	1661	1657
-3.75°	1589	1626	1650	1659	1661	1661	1660	1661	1661	1659	1650
-5°	1565	1604	1633	1650	1657	1660	1661	1660	1657	1650	1633
-6.25°	1535	1572	1604	1626	1640	1647	1650	1647	1640	1626	1604
-7.5°	1497	1535	1565	1589	1607	1616	1620	1616	1607	1589	1565
-8.75°	1454	1491	1521	1544	1561	1572	1575	1572	1561	1544	1521
-10°	1402	1440	1470	1494	1511	1521	1525	1521	1511	1494	1470
-11.25°	1342	1381	1412	1436	1453	1463	1466	1463	1453	1436	1412
-12.5°	1273	1313	1345	1370	1387	1398	1401	1398	1387	1370	1345
-13.75°	1193	1235	1268	1294	1312	1322	1326	1322	1312	1294	1268
-15°	1107	1148	1181	1207	1226	1237	1241	1237	1226	1207	1181
-16.25°	1016	1055	1088	1113	1131	1142	1145	1142	1131	1113	1088
-17.5°	922	959	989	1013	1031	1042	1045	1042	1031	1013	989
-18.75°	830	863	891	913	929	939	942	939	929	913	891
-20°	739	769	794	815	829	838	841	838	829	815	794
-21.25°	653	679	702	720	733	741	743	741	733	720	702



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	572	595	614	630	642	649	651	649	642	630	614
-23.75°	496	517	534	547	557	563	565	563	557	547	534
-25°	427	445	459	471	479	485	486	485	479	471	459
-26.25°	365	380	393	403	410	414	415	414	410	403	393
-27.5°	309	321	332	340	347	351	352	351	347	340	332
-28.75°	260	270	278	285	291	294	295	294	291	285	278
-30°	219	227	234	239	243	245	246	245	243	239	234
-31.25°	180	188	194	199	203	205	206	205	203	199	194
-32.5°	149	154	159	162	164	166	166	166	164	162	159
-33.75°	122	127	131	134	137	138	138	138	137	134	131
-35°	100	104	106	108	110	110	111	110	110	108	106
-36.25°	82	85	88	90	91	92	92	92	91	90	88
-37.5°	67	69	71	72	73	74	74	74	73	72	71
-38.75°	55	57	58	59	60	61	61	61	60	59	58
-40°	44	45	46	47	48	48	48	48	48	47	46
-41.25°	35	36	37	38	38	39	39	39	38	38	37
-42.5°	27	28	29	29	29	30	30	30	29	29	29
-43.75°	22	23	24	24	24	24	25	24	24	24	24
-45°	18	18	19	19	19	19	19	19	19	19	19
-46.25°	15	15	16	16	16	16	16	16	16	16	16
-47.5°	12	12	12	13	13	13	13	13	13	13	12
-48.75°	10	10	10	11	11	11	11	11	11	11	10
-50°	8	9	9	9	9	9	9	9	9	9	9
-51.25°	7	7	7	8	8	8	8	8	8	8	7
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-53.75°	5	5	5	5	5	5	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	4	4	4
-56.25°	3	4	4	4	4	4	4	4	4	4	4
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	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°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	0
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	2	1	1	1	1	1	1	1	1
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°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	3	3	3	3	3	3	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	3
56.25°	4	3	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	3	3	3
53.75°	5	5	5	5	4	4	4	4	4	4	4
52.5°	6	6	6	6	6	5	5	5	5	4	4
51.25°	7	7	7	7	7	7	6	6	6	6	5
50°	9	8	8	8	8	8	7	7	7	7	6
48.75°	10	10	10	10	9	9	9	8	8	8	7
47.5°	12	12	12	12	11	11	10	10	9	9	9
46.25°	15	15	14	14	13	13	12	12	11	11	10
45°	18	18	18	17	16	16	15	14	13	13	12
43.75°	23	22	22	21	20	19	18	17	16	16	15
42.5°	28	27	27	26	25	24	22	21	20	18	17
41.25°	36	35	33	32	30	29	27	26	24	23	21
40°	45	44	42	41	39	36	34	31	29	27	26
38.75°	57	55	52	50	47	45	43	40	37	34	30
37.5°	69	67	65	62	59	56	52	48	45	42	39
36.25°	85	82	79	75	71	68	64	60	56	51	47
35°	104	100	97	93	88	83	77	72	67	62	57



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	127	122	117	110	105	100	94	88	81	73	68
32.5°	154	149	143	136	129	120	111	104	97	89	81
31.25°	188	180	171	163	155	146	136	125	114	105	97
30°	227	219	209	199	187	173	161	150	138	126	113
28.75°	270	260	248	236	223	209	194	178	162	149	136
27.5°	321	309	295	279	263	245	229	212	194	175	158
26.25°	380	365	348	329	310	289	268	247	228	207	186
25°	445	427	408	386	363	339	314	288	264	239	217
23.75°	517	496	473	448	421	394	364	334	305	276	249
22.5°	595	572	545	516	485	453	419	386	352	318	285
21.25°	679	653	622	590	554	517	478	440	401	363	325
20°	769	739	705	668	627	586	542	498	454	411	369
18.75°	863	830	792	750	705	658	608	559	510	461	414
17.5°	959	922	881	835	785	733	678	623	568	514	461
16.25°	1055	1016	971	921	867	810	750	689	628	568	510
15°	1148	1107	1060	1007	949	887	822	755	689	623	559
13.75°	1235	1193	1145	1091	1029	963	893	822	750	678	608
12.5°	1313	1273	1225	1168	1106	1036	963	887	810	733	658
11.25°	1381	1342	1295	1241	1176	1106	1029	949	867	785	705
10°	1440	1402	1357	1303	1241	1168	1091	1007	921	835	750
8.75°	1491	1454	1409	1357	1295	1225	1145	1060	971	881	792
7.5°	1535	1497	1454	1402	1342	1273	1193	1107	1016	922	830
6.25°	1572	1535	1491	1440	1381	1313	1235	1148	1055	959	863
5°	1604	1565	1521	1470	1412	1345	1268	1181	1088	989	891
3.75°	1626	1589	1544	1494	1436	1370	1294	1207	1113	1013	913
2.5°	1640	1607	1561	1511	1453	1387	1312	1226	1131	1031	929
1.25°	1647	1616	1572	1521	1463	1398	1322	1237	1142	1042	939
0°	1650	1620	1575	1525	1466	1401	1326	1241	1145	1045	942
-1.25°	1647	1616	1572	1521	1463	1398	1322	1237	1142	1042	939
-2.5°	1640	1607	1561	1511	1453	1387	1312	1226	1131	1031	929
-3.75°	1626	1589	1544	1494	1436	1370	1294	1207	1113	1013	913
-5°	1604	1565	1521	1470	1412	1345	1268	1181	1088	989	891
-6.25°	1572	1535	1491	1440	1381	1313	1235	1148	1055	959	863
-7.5°	1535	1497	1454	1402	1342	1273	1193	1107	1016	922	830
-8.75°	1491	1454	1409	1357	1295	1225	1145	1060	971	881	792
-10°	1440	1402	1357	1303	1241	1168	1091	1007	921	835	750
-11.25°	1381	1342	1295	1241	1176	1106	1029	949	867	785	705
-12.5°	1313	1273	1225	1168	1106	1036	963	887	810	733	658
-13.75°	1235	1193	1145	1091	1029	963	893	822	750	678	608
-15°	1148	1107	1060	1007	949	887	822	755	689	623	559
-16.25°	1055	1016	971	921	867	810	750	689	628	568	510
-17.5°	959	922	881	835	785	733	678	623	568	514	461
-18.75°	863	830	792	750	705	658	608	559	510	461	414
-20°	769	739	705	668	627	586	542	498	454	411	369
-21.25°	679	653	622	590	554	517	478	440	401	363	325



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	595	572	545	516	485	453	419	386	352	318	285
-23.75°	517	496	473	448	421	394	364	334	305	276	249
-25°	445	427	408	386	363	339	314	288	264	239	217
-26.25°	380	365	348	329	310	289	268	247	228	207	186
-27.5°	321	309	295	279	263	245	229	212	194	175	158
-28.75°	270	260	248	236	223	209	194	178	162	149	136
-30°	227	219	209	199	187	173	161	150	138	126	113
-31.25°	188	180	171	163	155	146	136	125	114	105	97
-32.5°	154	149	143	136	129	120	111	104	97	89	81
-33.75°	127	122	117	110	105	100	94	88	81	73	68
-35°	104	100	97	93	88	83	77	72	67	62	57
-36.25°	85	82	79	75	71	68	64	60	56	51	47
-37.5°	69	67	65	62	59	56	52	48	45	42	39
-38.75°	57	55	52	50	47	45	43	40	37	34	30
-40°	45	44	42	41	39	36	34	31	29	27	26
-41.25°	36	35	33	32	30	29	27	26	24	23	21
-42.5°	28	27	27	26	25	24	22	21	20	18	17
-43.75°	23	22	22	21	20	19	18	17	16	16	15
-45°	18	18	18	17	16	16	15	14	13	13	12
-46.25°	15	15	14	14	13	13	12	12	11	11	10
-47.5°	12	12	12	12	11	11	10	10	9	9	9
-48.75°	10	10	10	10	9	9	9	8	8	8	7
-50°	9	8	8	8	8	8	7	7	7	7	6
-51.25°	7	7	7	7	7	7	6	6	6	6	5
-52.5°	6	6	6	6	6	5	5	5	5	4	4
-53.75°	5	5	5	5	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	3	3	3
-56.25°	4	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-58.75°	3	3	3	3	3	3	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	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	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: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	1	1	1	1	1	1	1	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	2	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	1	1	1	1
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	2	2	2	2	2	2	2	2	2	2
56.25°	3	3	3	3	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	3	2	2	2	2
53.75°	4	4	3	3	3	3	3	3	3	3	2
52.5°	4	4	4	4	4	3	3	3	3	3	3
51.25°	5	5	4	4	4	4	4	3	3	3	3
50°	6	6	5	5	5	4	4	4	4	3	3
48.75°	7	7	6	6	6	5	5	4	4	4	4
47.5°	8	8	7	7	7	6	6	5	5	4	4
46.25°	10	9	9	8	8	7	7	6	6	5	5
45°	11	11	10	9	9	8	8	7	7	6	6
43.75°	13	13	12	11	10	9	9	8	8	7	6
42.5°	16	15	14	13	12	11	10	9	8	8	7
41.25°	19	18	17	15	14	13	12	11	10	9	8
40°	24	22	20	18	17	15	14	12	11	10	9
38.75°	28	26	24	22	19	18	16	14	13	12	11
37.5°	35	31	28	26	23	21	19	17	15	13	12
36.25°	43	39	35	30	27	25	22	19	17	16	14
35°	52	46	42	38	33	29	26	23	20	18	16



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	62	56	50	45	40	35	30	27	24	21	18
32.5°	73	67	60	54	47	42	37	31	27	24	21
31.25°	88	79	70	63	56	49	43	37	32	27	24
30°	103	93	83	73	66	58	50	44	38	32	27
28.75°	121	108	97	87	76	67	59	50	44	37	31
27.5°	143	128	111	100	89	77	67	59	50	43	37
26.25°	165	149	132	115	101	89	77	67	58	49	42
25°	194	170	152	134	116	101	89	76	66	56	47
23.75°	224	199	174	153	134	115	100	87	73	63	54
22.5°	255	228	201	174	152	132	111	97	83	70	60
21.25°	290	257	228	199	170	149	128	108	93	79	67
20°	328	290	255	224	194	165	143	121	103	88	73
18.75°	369	325	285	249	217	186	158	136	113	97	81
17.5°	411	363	318	276	239	207	175	149	126	105	89
16.25°	454	401	352	305	264	228	194	162	138	114	97
15°	498	440	386	334	288	247	212	178	150	125	104
13.75°	542	478	419	364	314	268	229	194	161	136	111
12.5°	586	517	453	394	339	289	245	209	173	146	120
11.25°	627	554	485	421	363	310	263	223	187	155	129
10°	668	590	516	448	386	329	279	236	199	163	136
8.75°	705	622	545	473	408	348	295	248	209	171	143
7.5°	739	653	572	496	427	365	309	260	219	180	149
6.25°	769	679	595	517	445	380	321	270	227	188	154
5°	794	702	614	534	459	393	332	278	234	194	159
3.75°	815	720	630	547	471	403	340	285	239	199	162
2.5°	829	733	642	557	479	410	347	291	243	203	164
1.25°	838	741	649	563	485	414	351	294	245	205	166
0°	841	743	651	565	486	415	352	295	246	206	166
-1.25°	838	741	649	563	485	414	351	294	245	205	166
-2.5°	829	733	642	557	479	410	347	291	243	203	164
-3.75°	815	720	630	547	471	403	340	285	239	199	162
-5°	794	702	614	534	459	393	332	278	234	194	159
-6.25°	769	679	595	517	445	380	321	270	227	188	154
-7.5°	739	653	572	496	427	365	309	260	219	180	149
-8.75°	705	622	545	473	408	348	295	248	209	171	143
-10°	668	590	516	448	386	329	279	236	199	163	136
-11.25°	627	554	485	421	363	310	263	223	187	155	129
-12.5°	586	517	453	394	339	289	245	209	173	146	120
-13.75°	542	478	419	364	314	268	229	194	161	136	111
-15°	498	440	386	334	288	247	212	178	150	125	104
-16.25°	454	401	352	305	264	228	194	162	138	114	97
-17.5°	411	363	318	276	239	207	175	149	126	105	89
-18.75°	369	325	285	249	217	186	158	136	113	97	81
-20°	328	290	255	224	194	165	143	121	103	88	73
-21.25°	290	257	228	199	170	149	128	108	93	79	67



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	255	228	201	174	152	132	111	97	83	70	60
-23.75°	224	199	174	153	134	115	100	87	73	63	54
-25°	194	170	152	134	116	101	89	76	66	56	47
-26.25°	165	149	132	115	101	89	77	67	58	49	42
-27.5°	143	128	111	100	89	77	67	59	50	43	37
-28.75°	121	108	97	87	76	67	59	50	44	37	31
-30°	103	93	83	73	66	58	50	44	38	32	27
-31.25°	88	79	70	63	56	49	43	37	32	27	24
-32.5°	73	67	60	54	47	42	37	31	27	24	21
-33.75°	62	56	50	45	40	35	30	27	24	21	18
-35°	52	46	42	38	33	29	26	23	20	18	16
-36.25°	43	39	35	30	27	25	22	19	17	16	14
-37.5°	35	31	28	26	23	21	19	17	15	13	12
-38.75°	28	26	24	22	19	18	16	14	13	12	11
-40°	24	22	20	18	17	15	14	12	11	10	9
-41.25°	19	18	17	15	14	13	12	11	10	9	8
-42.5°	16	15	14	13	12	11	10	9	8	8	7
-43.75°	13	13	12	11	10	9	9	8	8	7	6
-45°	11	11	10	9	9	8	8	7	7	6	6
-46.25°	10	9	9	8	8	7	7	6	6	5	5
-47.5°	8	8	7	7	7	6	6	5	5	4	4
-48.75°	7	7	6	6	6	5	5	4	4	4	4
-50°	6	6	5	5	5	4	4	4	4	3	3
-51.25°	5	5	4	4	4	4	4	3	3	3	3
-52.5°	4	4	4	4	4	3	3	3	3	3	3
-53.75°	4	4	3	3	3	3	3	3	3	3	2
-55°	3	3	3	3	3	3	3	2	2	2	2
-56.25°	3	3	3	3	2	2	2	2	2	2	2
-57.5°	3	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	1	1	1	1
-68.75°	2	2	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	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: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	1	0	0
65°	2	2	2	1	1	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	2	2	1	1	1
61.25°	2	2	2	2	2	2	2	2	2	2	1
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	3	2	2	2	2	2	2	2	2	2	2
51.25°	3	3	3	2	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	3	2	2	2	2	2
47.5°	4	4	3	3	3	3	3	2	2	2	2
46.25°	4	4	4	3	3	3	3	3	2	2	2
45°	5	4	4	4	4	3	3	3	3	2	2
43.75°	6	5	5	4	4	4	3	3	3	3	2
42.5°	7	6	5	5	4	4	4	3	3	3	3
41.25°	8	7	6	6	5	4	4	4	3	3	3
40°	8	8	7	6	6	5	4	4	4	3	3
38.75°	9	9	8	7	6	6	5	4	4	4	3
37.5°	11	10	9	8	7	6	6	5	4	4	3
36.25°	12	11	10	9	8	7	6	5	5	4	4
35°	14	12	11	10	9	8	7	6	5	4	4



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	16	14	12	11	9	8	8	7	6	5	4
32.5°	18	16	14	12	11	9	8	7	6	6	5
31.25°	21	18	16	13	12	10	9	8	7	6	5
30°	24	20	17	15	13	11	10	8	8	7	6
28.75°	27	23	19	17	14	12	11	9	8	7	6
27.5°	30	26	22	19	16	14	12	10	9	8	7
26.25°	35	29	25	21	18	15	13	11	9	8	7
25°	40	33	27	23	19	17	14	12	10	9	8
23.75°	45	38	30	26	22	18	15	13	11	9	8
22.5°	50	42	35	28	24	20	17	14	12	10	9
21.25°	56	46	39	31	26	22	18	15	13	11	9
20°	62	52	43	35	28	24	19	16	13	11	10
18.75°	68	57	47	39	30	26	21	17	15	12	10
17.5°	73	62	51	42	34	27	23	18	16	13	11
16.25°	81	67	56	45	37	29	24	20	16	13	11
15°	88	72	60	48	40	31	26	21	17	14	12
13.75°	94	77	64	52	43	34	27	22	18	15	12
12.5°	100	83	68	56	45	36	29	24	19	16	13
11.25°	105	88	71	59	47	39	30	25	20	16	13
10°	110	93	75	62	50	41	32	26	21	17	14
8.75°	117	97	79	65	52	42	33	27	22	18	14
7.5°	122	100	82	67	55	44	35	27	22	18	15
6.25°	127	104	85	69	57	45	36	28	23	18	15
5°	131	106	88	71	58	46	37	29	24	19	16
3.75°	134	108	90	72	59	47	38	29	24	19	16
2.5°	137	110	91	73	60	48	38	29	24	19	16
1.25°	138	110	92	74	61	48	39	30	24	19	16
0°	138	111	92	74	61	48	39	30	25	19	16
-1.25°	138	110	92	74	61	48	39	30	24	19	16
-2.5°	137	110	91	73	60	48	38	29	24	19	16
-3.75°	134	108	90	72	59	47	38	29	24	19	16
-5°	131	106	88	71	58	46	37	29	24	19	16
-6.25°	127	104	85	69	57	45	36	28	23	18	15
-7.5°	122	100	82	67	55	44	35	27	22	18	15
-8.75°	117	97	79	65	52	42	33	27	22	18	14
-10°	110	93	75	62	50	41	32	26	21	17	14
-11.25°	105	88	71	59	47	39	30	25	20	16	13
-12.5°	100	83	68	56	45	36	29	24	19	16	13
-13.75°	94	77	64	52	43	34	27	22	18	15	12
-15°	88	72	60	48	40	31	26	21	17	14	12
-16.25°	81	67	56	45	37	29	24	20	16	13	11
-17.5°	73	62	51	42	34	27	23	18	16	13	11
-18.75°	68	57	47	39	30	26	21	17	15	12	10
-20°	62	52	43	35	28	24	19	16	13	11	10
-21.25°	56	46	39	31	26	22	18	15	13	11	9



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	50	42	35	28	24	20	17	14	12	10	9
-23.75°	45	38	30	26	22	18	15	13	11	9	8
-25°	40	33	27	23	19	17	14	12	10	9	8
-26.25°	35	29	25	21	18	15	13	11	9	8	7
-27.5°	30	26	22	19	16	14	12	10	9	8	7
-28.75°	27	23	19	17	14	12	11	9	8	7	6
-30°	24	20	17	15	13	11	10	8	8	7	6
-31.25°	21	18	16	13	12	10	9	8	7	6	5
-32.5°	18	16	14	12	11	9	8	7	6	6	5
-33.75°	16	14	12	11	9	8	8	7	6	5	4
-35°	14	12	11	10	9	8	7	6	5	4	4
-36.25°	12	11	10	9	8	7	6	5	5	4	4
-37.5°	11	10	9	8	7	6	6	5	4	4	3
-38.75°	9	9	8	7	6	6	5	4	4	4	3
-40°	8	8	7	6	6	5	4	4	4	3	3
-41.25°	8	7	6	6	5	4	4	4	3	3	3
-42.5°	7	6	5	5	4	4	4	3	3	3	3
-43.75°	6	5	5	4	4	4	3	3	3	3	2
-45°	5	4	4	4	4	3	3	3	3	2	2
-46.25°	4	4	4	3	3	3	3	3	2	2	2
-47.5°	4	4	3	3	3	3	3	2	2	2	2
-48.75°	3	3	3	3	3	3	2	2	2	2	2
-50°	3	3	3	3	2	2	2	2	2	2	2
-51.25°	3	3	3	2	2	2	2	2	2	2	2
-52.5°	3	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	2	2	2	2	2	2	2	2	2	2	1
-62.5°	2	2	2	2	2	2	2	2	1	1	1
-63.75°	2	2	2	2	2	2	1	1	1	1	1
-65°	2	2	2	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	0	0	0	0
-68.75°	1	1	1	1	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	4	3	3	3	3	2	2	2	2	2	2
32.5°	4	4	3	3	3	2	2	2	2	2	2
31.25°	4	4	3	3	3	3	2	2	2	2	2
30°	5	4	4	3	3	3	2	2	2	2	2
28.75°	5	4	4	3	3	3	2	2	2	2	2
27.5°	6	5	4	4	3	3	3	2	2	2	2
26.25°	6	5	4	4	3	3	3	2	2	2	2
25°	7	6	5	4	4	3	3	2	2	2	2
23.75°	7	6	5	4	4	3	3	3	2	2	2
22.5°	7	6	5	4	4	3	3	3	2	2	2
21.25°	8	7	6	5	4	4	3	3	2	2	2
20°	8	7	6	5	4	4	3	3	3	2	2
18.75°	9	7	6	5	4	4	3	3	3	2	2
17.5°	9	8	7	6	4	4	3	3	3	2	2
16.25°	9	8	7	6	5	4	3	3	3	2	2
15°	10	8	7	6	5	4	4	3	3	2	2
13.75°	10	9	7	6	5	4	4	3	3	2	2
12.5°	11	9	8	7	5	4	4	3	3	3	2
11.25°	11	9	8	7	6	4	4	3	3	3	2
10°	12	10	8	7	6	5	4	3	3	3	2
8.75°	12	10	8	7	6	5	4	3	3	3	2
7.5°	12	10	8	7	6	5	4	3	3	3	2
6.25°	12	10	9	7	6	5	4	4	3	3	2
5°	12	10	9	7	6	5	4	4	3	3	2
3.75°	13	11	9	8	6	5	4	4	3	3	2
2.5°	13	11	9	8	6	5	4	4	3	3	2
1.25°	13	11	9	8	6	5	4	4	3	3	2
0°	13	11	9	8	6	5	4	4	3	3	2
-1.25°	13	11	9	8	6	5	4	4	3	3	2
-2.5°	13	11	9	8	6	5	4	4	3	3	2
-3.75°	13	11	9	8	6	5	4	4	3	3	2
-5°	12	10	9	7	6	5	4	4	3	3	2
-6.25°	12	10	9	7	6	5	4	4	3	3	2
-7.5°	12	10	8	7	6	5	4	3	3	3	2
-8.75°	12	10	8	7	6	5	4	3	3	3	2
-10°	12	10	8	7	6	5	4	3	3	3	2
-11.25°	11	9	8	7	6	4	4	3	3	3	2
-12.5°	11	9	8	7	5	4	4	3	3	3	2
-13.75°	10	9	7	6	5	4	4	3	3	2	2
-15°	10	8	7	6	5	4	4	3	3	2	2
-16.25°	9	8	7	6	5	4	3	3	3	2	2
-17.5°	9	8	7	6	4	4	3	3	3	2	2
-18.75°	9	7	6	5	4	4	3	3	3	2	2
-20°	8	7	6	5	4	4	3	3	3	2	2
-21.25°	8	7	6	5	4	4	3	3	2	2	2



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220418 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)