

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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)
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-W-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

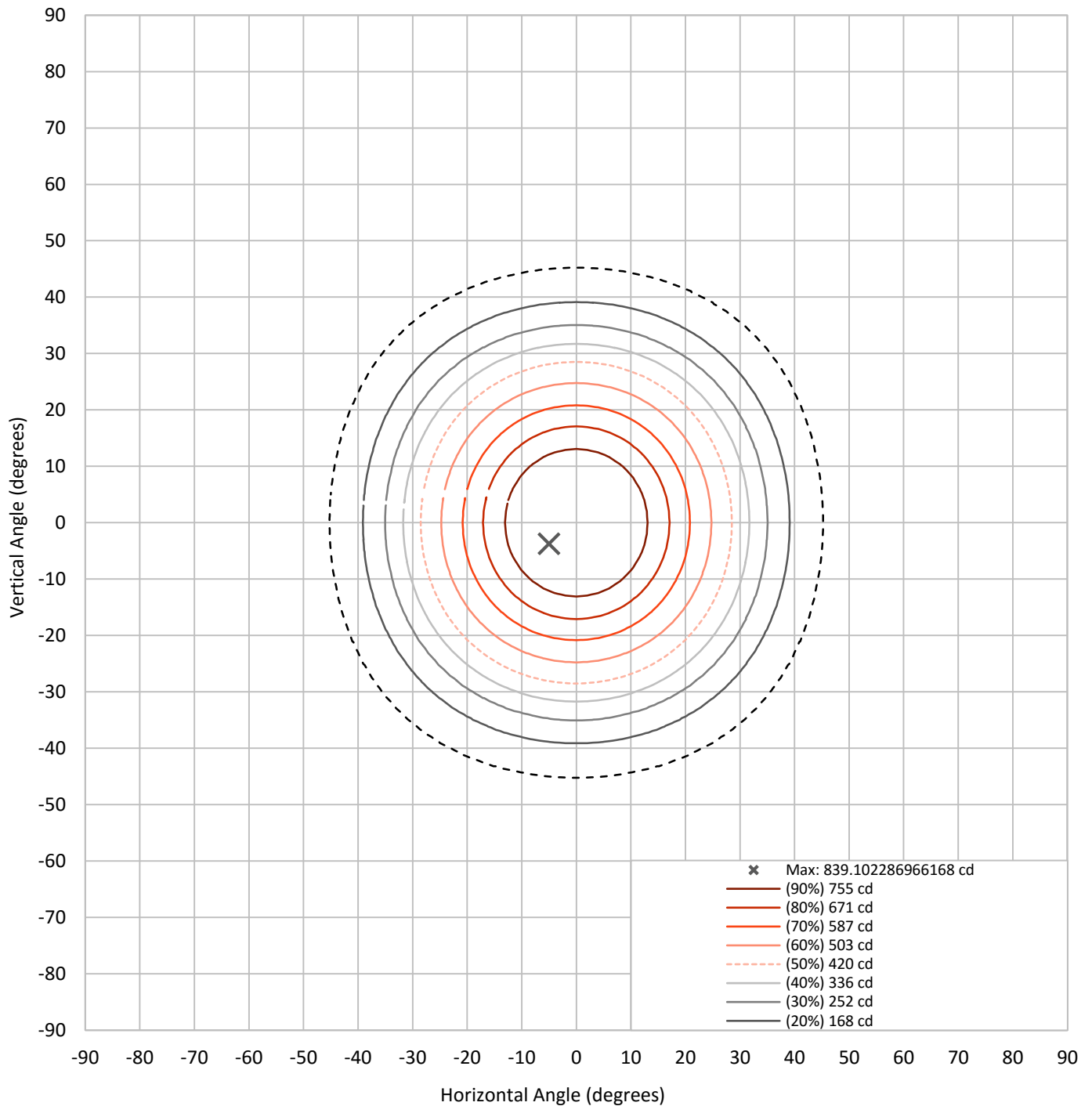
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	759.2 lumens	Max Intensity:	839.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	75.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.6°H x 56.3°V	Field Angle (10%):	90°H x 89.9°V
Beam Lumens:	473.6 lumens	Field Lumens:	707.8 lumens
Beam Efficiency:	62.4%	Field Efficiency:	93.2%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (A _{in}):	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-W-BK-L1-UNV

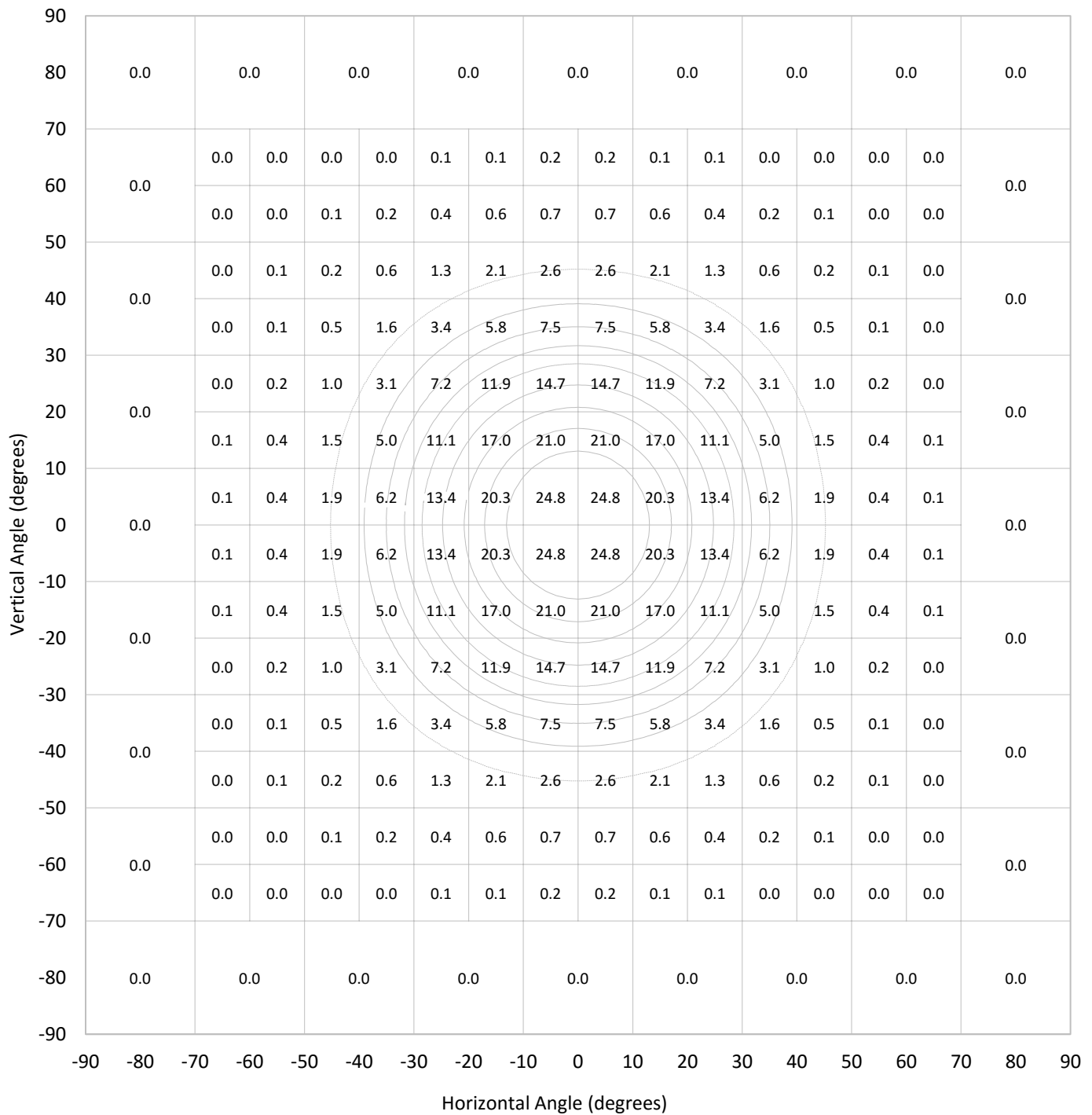
Iso-Candela Plot





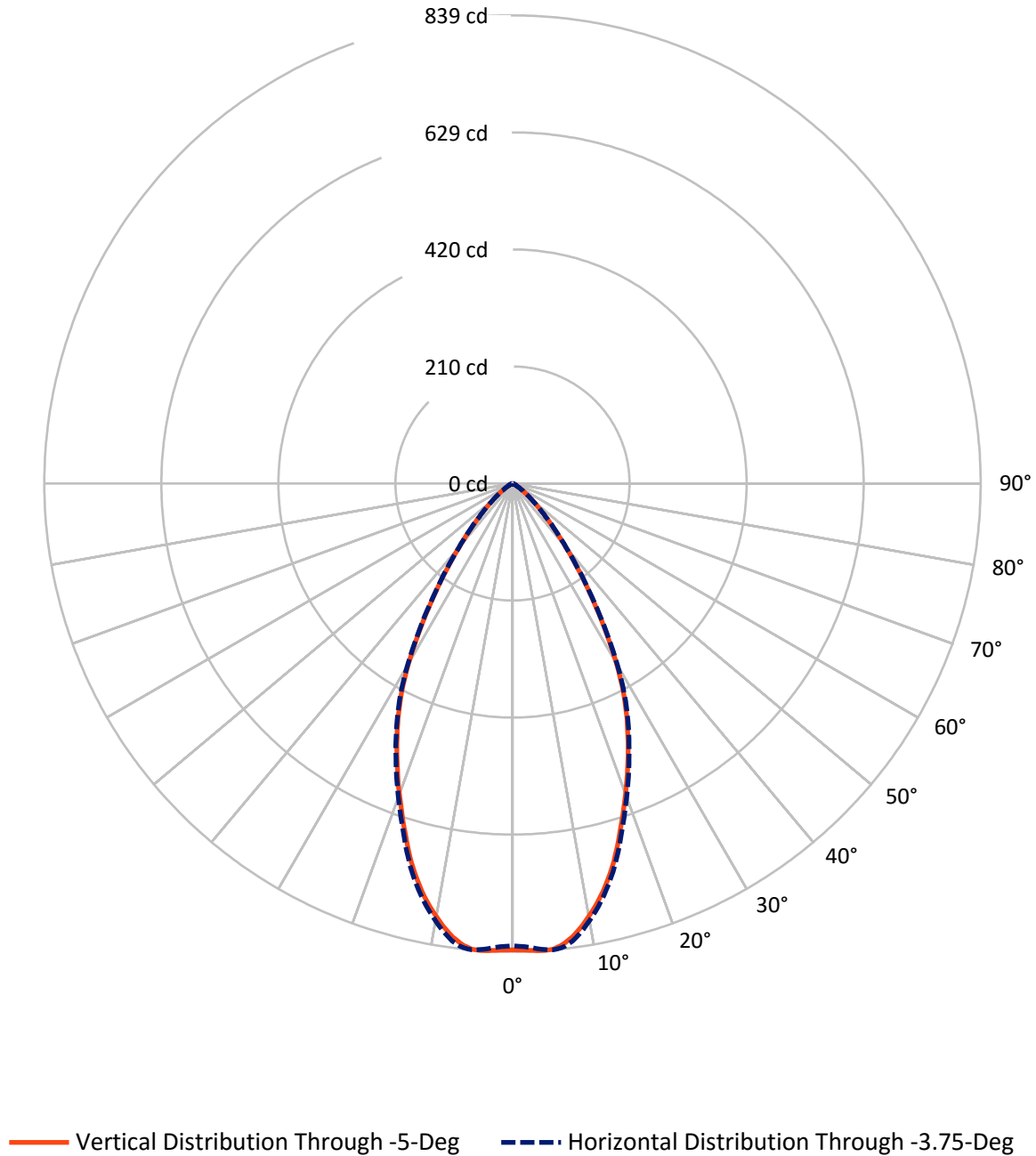
REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

Lumen Table



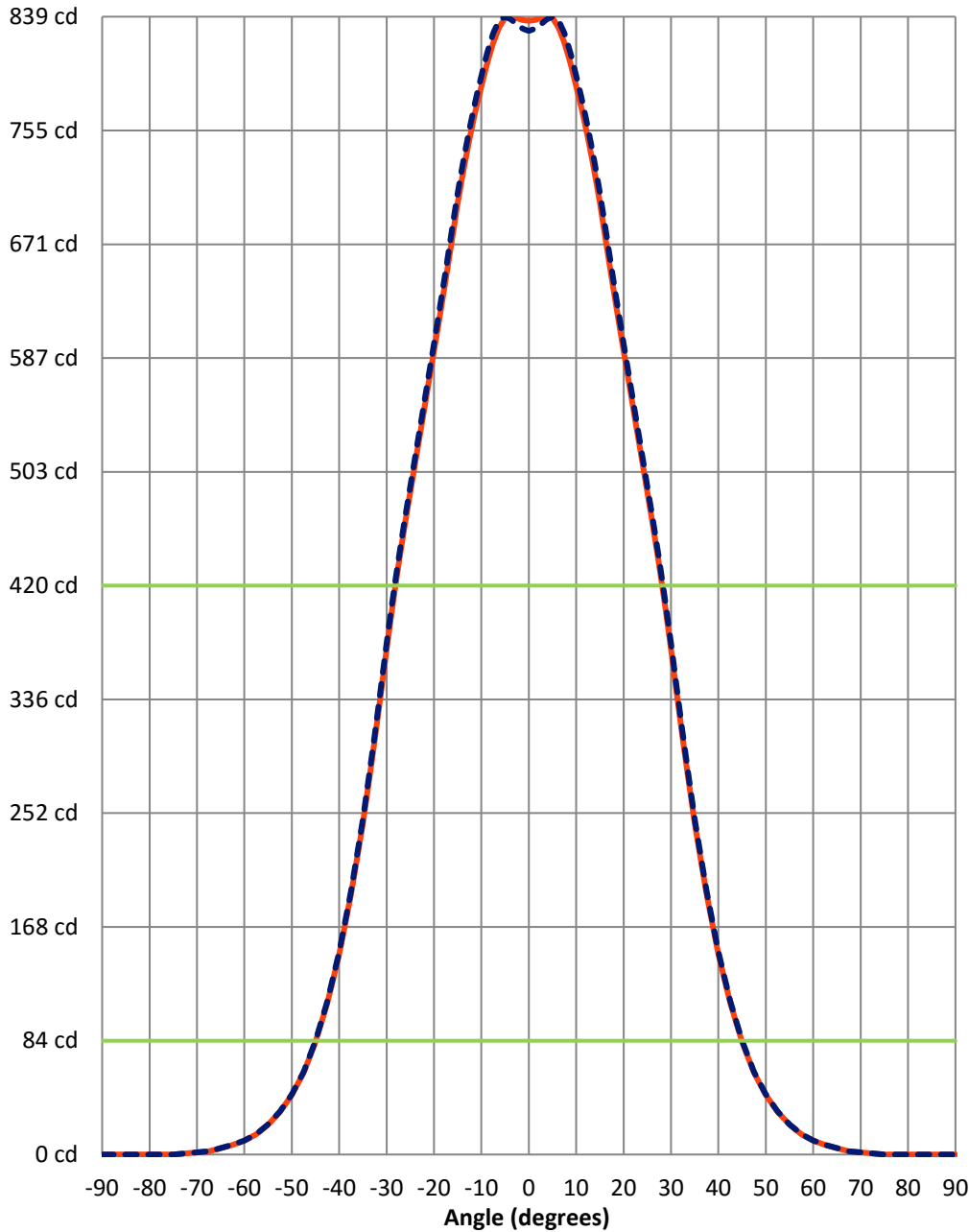
REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-BK-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 56.6°
 V Angle: 56.3°
 Lumens: 473.6
 Efficiency: 62.4%

Field:
 H Angle: 90°
 V Angle: 89.9°
 Lumens: 707.8
 Efficiency: 93.2%

Spill:
 Lumens: 51.4
 Efficiency: 6.8%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through -3.75-Deg



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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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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	3
27.5°	0	0	0	0	1	1	1	2	2	2	3
26.25°	0	0	0	0	1	1	1	2	2	2	3
25°	0	0	0	0	1	1	1	2	2	2	3
23.75°	0	0	0	0	1	1	1	2	2	3	4
22.5°	0	0	0	0	1	1	1	2	2	3	4
21.25°	0	0	0	0	1	1	2	2	2	3	4
20°	0	0	0	0	1	1	2	2	2	3	4
18.75°	0	0	0	0	1	1	2	2	2	3	5
17.5°	0	0	0	1	1	1	2	2	2	4	5
16.25°	0	0	0	1	1	1	2	2	3	4	5
15°	0	0	0	1	1	1	2	2	3	4	5
13.75°	0	0	0	1	1	1	2	2	3	4	5
12.5°	0	0	0	1	1	1	2	2	3	4	5
11.25°	0	0	0	1	1	1	2	2	3	4	5
10°	0	0	0	1	1	1	2	2	3	4	6
8.75°	0	0	0	1	1	2	2	2	3	5	6
7.5°	0	0	0	1	1	2	2	2	3	5	6
6.25°	0	0	0	1	1	2	2	2	3	5	6
5°	0	0	0	1	1	2	2	2	4	5	6
3.75°	0	0	0	1	1	2	2	2	4	5	6
2.5°	0	0	0	1	1	2	2	2	4	5	6
1.25°	0	0	0	1	1	2	2	2	4	5	6
0°	0	0	0	1	1	2	2	2	4	5	6
-1.25°	0	0	0	1	1	2	2	2	4	5	6
-2.5°	0	0	0	1	1	2	2	2	4	5	6
-3.75°	0	0	0	1	1	2	2	2	4	5	6
-5°	0	0	0	1	1	2	2	2	4	5	6
-6.25°	0	0	0	1	1	2	2	2	3	5	6
-7.5°	0	0	0	1	1	2	2	2	3	5	6
-8.75°	0	0	0	1	1	2	2	2	3	5	6
-10°	0	0	0	1	1	1	2	2	3	4	6
-11.25°	0	0	0	1	1	1	2	2	3	4	5
-12.5°	0	0	0	1	1	1	2	2	3	4	5
-13.75°	0	0	0	1	1	1	2	2	3	4	5
-15°	0	0	0	1	1	1	2	2	3	4	5
-16.25°	0	0	0	1	1	1	2	2	3	4	5
-17.5°	0	0	0	1	1	1	2	2	2	4	5
-18.75°	0	0	0	0	1	1	2	2	2	3	5
-20°	0	0	0	0	1	1	2	2	2	3	4
-21.25°	0	0	0	0	1	1	2	2	2	3	4



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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	3	4
-23.75°	0	0	0	0	1	1	1	2	2	3	4
-25°	0	0	0	0	1	1	1	2	2	2	3
-26.25°	0	0	0	0	1	1	1	2	2	2	3
-27.5°	0	0	0	0	1	1	1	2	2	2	3
-28.75°	0	0	0	0	0	1	1	1	2	2	3
-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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	3
51.25°	1	1	1	1	1	2	2	2	2	3	4
50°	1	1	1	1	2	2	2	2	3	4	4
48.75°	1	1	1	2	2	2	2	3	4	4	5
47.5°	1	1	2	2	2	2	3	3	4	5	6
46.25°	1	1	2	2	2	2	3	4	5	5	6
45°	1	2	2	2	2	3	4	5	5	6	7
43.75°	1	2	2	2	3	4	4	5	6	7	7
42.5°	2	2	2	2	3	4	5	6	6	7	8
41.25°	2	2	2	3	4	5	5	6	7	8	9
40°	2	2	2	3	4	5	6	7	8	9	10
38.75°	2	2	3	4	5	5	6	7	8	9	11
37.5°	2	2	3	4	5	6	7	8	9	10	12
36.25°	2	3	4	5	5	6	7	8	10	11	13
35°	2	3	4	5	6	7	8	9	10	12	14



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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	3	4	5	6	7	8	10	11	13	15
32.5°	3	4	5	6	7	8	9	10	12	14	16
31.25°	3	4	5	6	7	8	10	11	13	15	18
30°	3	4	5	6	7	9	10	12	14	16	19
28.75°	4	5	6	7	8	9	11	13	15	17	20
27.5°	4	5	6	7	8	10	12	14	16	19	22
26.25°	4	5	6	7	9	10	12	14	17	20	23
25°	5	6	7	8	9	11	13	15	18	21	25
23.75°	5	6	7	8	10	11	14	16	19	22	26
22.5°	5	6	7	9	10	12	14	17	20	24	28
21.25°	5	6	8	9	10	13	15	18	21	25	29
20°	5	7	8	9	11	13	16	19	22	26	31
18.75°	6	7	8	10	12	14	16	20	23	28	32
17.5°	6	7	8	10	12	14	17	21	24	29	34
16.25°	6	7	9	10	12	15	18	21	25	30	35
15°	6	7	9	11	13	15	19	22	26	31	37
13.75°	6	8	9	11	13	16	19	23	27	32	38
12.5°	7	8	9	11	14	16	20	23	28	33	39
11.25°	7	8	10	12	14	17	20	24	29	34	40
10°	7	8	10	12	14	17	21	25	30	35	41
8.75°	7	8	10	12	14	18	21	25	30	36	42
7.5°	7	8	10	12	15	18	21	26	31	36	43
6.25°	7	9	10	12	15	18	22	26	31	37	43
5°	7	9	10	13	15	18	22	27	31	38	44
3.75°	7	9	10	13	15	19	22	27	32	38	44
2.5°	7	9	10	13	15	19	22	27	32	38	45
1.25°	7	9	10	13	15	19	22	27	32	38	45
0°	7	9	10	13	15	19	23	27	32	39	45
-1.25°	7	9	10	13	15	19	22	27	32	38	45
-2.5°	7	9	10	13	15	19	22	27	32	38	45
-3.75°	7	9	10	13	15	19	22	27	32	38	45
-5°	7	9	10	13	15	18	22	27	31	38	44
-6.25°	7	9	10	12	15	18	22	26	31	37	43
-7.5°	7	8	10	12	15	18	21	26	31	36	43
-8.75°	7	8	10	12	14	18	21	25	30	36	42
-10°	7	8	10	12	14	17	21	25	30	35	41
-11.25°	7	8	10	12	14	17	20	24	29	34	40
-12.5°	7	8	9	11	14	16	20	23	28	33	39
-13.75°	6	8	9	11	13	16	19	23	27	32	38
-15°	6	7	9	11	13	15	19	22	26	31	37
-16.25°	6	7	9	10	12	15	18	21	25	30	35
-17.5°	6	7	8	10	12	14	17	21	24	29	34
-18.75°	6	7	8	10	12	14	16	20	23	28	32
-20°	5	7	8	9	11	13	16	19	22	26	31
-21.25°	5	6	8	9	10	13	15	18	21	25	29



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	5	6	7	9	10	12	14	17	20	24	28
-23.75°	5	6	7	8	10	11	14	16	19	22	26
-25°	5	6	7	8	9	11	13	15	18	21	25
-26.25°	4	5	6	7	9	10	12	14	17	20	23
-27.5°	4	5	6	7	8	10	12	14	16	19	22
-28.75°	4	5	6	7	8	9	11	13	15	17	20
-30°	3	4	5	6	7	9	10	12	14	16	19
-31.25°	3	4	5	6	7	8	10	11	13	15	18
-32.5°	3	4	5	6	7	8	9	10	12	14	16
-33.75°	2	3	4	5	6	7	8	10	11	13	15
-35°	2	3	4	5	6	7	8	9	10	12	14
-36.25°	2	3	4	5	5	6	7	8	10	11	13
-37.5°	2	2	3	4	5	6	7	8	9	10	12
-38.75°	2	2	3	4	5	5	6	7	8	9	11
-40°	2	2	2	3	4	5	6	7	8	9	10
-41.25°	2	2	2	3	4	5	5	6	7	8	9
-42.5°	2	2	2	2	3	4	5	6	6	7	8
-43.75°	1	2	2	2	3	4	4	5	6	7	7
-45°	1	2	2	2	2	3	4	5	5	6	7
-46.25°	1	1	2	2	2	2	3	4	5	5	6
-47.5°	1	1	2	2	2	2	3	3	4	5	6
-48.75°	1	1	1	2	2	2	2	3	4	4	5
-50°	1	1	1	1	2	2	2	2	3	4	4
-51.25°	1	1	1	1	1	2	2	2	2	3	4
-52.5°	0	1	1	1	1	2	2	2	2	2	3
-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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	3
60°	1	2	2	2	2	2	2	2	3	3	4
58.75°	2	2	2	2	2	2	3	3	4	4	5
57.5°	2	2	2	2	3	3	4	4	5	5	5
56.25°	2	2	2	3	4	4	5	5	5	6	6
55°	2	3	3	4	4	5	5	6	6	7	7
53.75°	3	3	4	5	5	6	6	7	7	8	8
52.5°	4	4	5	5	6	6	7	8	8	9	10
51.25°	4	5	5	6	7	7	8	9	9	10	11
50°	5	6	6	7	7	8	9	10	11	12	13
48.75°	6	6	7	8	8	9	10	11	12	13	14
47.5°	6	7	8	9	9	10	11	13	14	15	17
46.25°	7	8	9	9	10	12	13	14	16	17	19
45°	8	9	9	10	12	13	14	16	18	20	22
43.75°	8	9	10	12	13	15	16	18	20	22	25
42.5°	9	10	12	13	15	16	19	21	23	26	28
41.25°	10	11	13	14	16	19	21	23	26	29	31
40°	11	13	14	16	18	21	23	26	29	32	35
38.75°	12	14	16	18	20	23	26	29	32	36	40
37.5°	13	15	17	20	22	26	29	32	36	40	44
36.25°	14	17	19	22	25	28	31	35	40	44	49
35°	16	18	21	24	27	31	35	39	43	48	54



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	17	20	23	26	30	34	38	43	48	54	59
32.5°	19	22	25	29	32	37	42	47	53	58	65
31.25°	20	24	27	31	35	40	45	51	57	64	72
30°	22	26	29	33	38	43	49	55	62	70	79
28.75°	24	28	31	36	41	47	53	60	68	76	85
27.5°	26	29	34	39	44	51	57	65	74	83	93
26.25°	27	31	36	42	47	54	61	70	79	89	101
25°	29	33	39	44	51	58	66	75	85	97	108
23.75°	31	36	41	47	54	61	71	81	92	104	116
22.5°	32	38	43	50	58	66	76	86	98	110	125
21.25°	34	40	46	53	61	70	80	92	104	117	133
20°	36	42	48	56	64	74	85	97	110	125	141
18.75°	38	44	51	59	68	78	90	103	116	132	148
17.5°	40	46	53	61	72	82	95	108	123	139	157
16.25°	41	48	56	64	75	86	99	113	129	146	165
15°	43	50	58	67	78	90	104	118	135	152	173
13.75°	44	52	60	70	81	94	108	123	140	159	180
12.5°	45	53	62	73	84	97	111	128	146	166	187
11.25°	47	55	64	75	86	101	115	132	150	172	193
10°	48	56	66	77	89	104	119	136	155	177	199
8.75°	49	58	68	79	92	106	122	140	159	182	205
7.5°	50	59	69	81	94	108	125	143	163	186	210
6.25°	51	60	70	82	96	110	127	146	167	189	214
5°	52	60	72	83	97	112	129	148	170	192	218
3.75°	53	61	72	84	98	113	131	149	172	194	221
2.5°	53	61	73	85	99	114	132	151	173	196	223
1.25°	53	62	73	85	100	115	133	151	174	197	224
0°	53	62	73	85	100	115	133	152	175	197	224
-1.25°	53	62	73	85	100	115	133	151	174	197	224
-2.5°	53	61	73	85	99	114	132	151	173	196	223
-3.75°	53	61	72	84	98	113	131	149	172	194	221
-5°	52	60	72	83	97	112	129	148	170	192	218
-6.25°	51	60	70	82	96	110	127	146	167	189	214
-7.5°	50	59	69	81	94	108	125	143	163	186	210
-8.75°	49	58	68	79	92	106	122	140	159	182	205
-10°	48	56	66	77	89	104	119	136	155	177	199
-11.25°	47	55	64	75	86	101	115	132	150	172	193
-12.5°	45	53	62	73	84	97	111	128	146	166	187
-13.75°	44	52	60	70	81	94	108	123	140	159	180
-15°	43	50	58	67	78	90	104	118	135	152	173
-16.25°	41	48	56	64	75	86	99	113	129	146	165
-17.5°	40	46	53	61	72	82	95	108	123	139	157
-18.75°	38	44	51	59	68	78	90	103	116	132	148
-20°	36	42	48	56	64	74	85	97	110	125	141
-21.25°	34	40	46	53	61	70	80	92	104	117	133



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	32	38	43	50	58	66	76	86	98	110	125
-23.75°	31	36	41	47	54	61	71	81	92	104	116
-25°	29	33	39	44	51	58	66	75	85	97	108
-26.25°	27	31	36	42	47	54	61	70	79	89	101
-27.5°	26	29	34	39	44	51	57	65	74	83	93
-28.75°	24	28	31	36	41	47	53	60	68	76	85
-30°	22	26	29	33	38	43	49	55	62	70	79
-31.25°	20	24	27	31	35	40	45	51	57	64	72
-32.5°	19	22	25	29	32	37	42	47	53	58	65
-33.75°	17	20	23	26	30	34	38	43	48	54	59
-35°	16	18	21	24	27	31	35	39	43	48	54
-36.25°	14	17	19	22	25	28	31	35	40	44	49
-37.5°	13	15	17	20	22	26	29	32	36	40	44
-38.75°	12	14	16	18	20	23	26	29	32	36	40
-40°	11	13	14	16	18	21	23	26	29	32	35
-41.25°	10	11	13	14	16	19	21	23	26	29	31
-42.5°	9	10	12	13	15	16	19	21	23	26	28
-43.75°	8	9	10	12	13	15	16	18	20	22	25
-45°	8	9	9	10	12	13	14	16	18	20	22
-46.25°	7	8	9	9	10	12	13	14	16	17	19
-47.5°	6	7	8	9	9	10	11	13	14	15	17
-48.75°	6	6	7	8	8	9	10	11	12	13	14
-50°	5	6	6	7	7	8	9	10	11	12	13
-51.25°	4	5	5	6	7	7	8	9	9	10	11
-52.5°	4	4	5	5	6	6	7	8	8	9	10
-53.75°	3	3	4	5	5	6	6	7	7	8	8
-55°	2	3	3	4	4	5	5	6	6	7	7
-56.25°	2	2	2	3	4	4	5	5	5	6	6
-57.5°	2	2	2	2	3	3	4	4	5	5	5
-58.75°	2	2	2	2	2	2	3	3	4	4	5
-60°	1	2	2	2	2	2	2	2	3	3	4
-61.25°	1	1	1	2	2	2	2	2	2	2	3
-62.5°	1	1	1	1	1	2	2	2	2	2	2
-63.75°	1	1	1	1	1	1	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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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	3	3
63.75°	2	2	2	2	2	3	3	3	3	4	4
62.5°	2	2	3	3	3	4	4	4	5	5	5
61.25°	3	3	4	4	4	5	5	5	6	6	6
60°	4	4	5	5	5	6	6	6	7	7	7
58.75°	5	5	6	6	6	7	7	7	8	8	9
57.5°	6	6	7	7	7	8	8	9	9	10	10
56.25°	7	7	8	8	9	9	10	10	11	11	12
55°	8	8	9	10	10	11	12	12	13	14	14
53.75°	9	10	10	11	12	13	14	14	15	16	17
52.5°	10	11	12	13	14	15	16	17	18	19	20
51.25°	12	13	14	15	16	17	19	20	21	22	24
50°	14	15	16	18	19	20	22	23	25	26	28
48.75°	16	17	19	20	22	24	26	27	29	31	32
47.5°	18	20	22	24	26	28	29	31	33	36	38
46.25°	21	23	25	27	29	31	34	36	39	41	43
45°	24	26	29	31	33	36	39	42	44	47	50
43.75°	27	30	32	35	38	41	44	47	51	54	58
42.5°	31	34	37	40	43	47	51	54	58	61	66
41.25°	35	38	42	45	49	53	57	61	66	71	76
40°	39	43	47	51	55	60	65	70	75	81	86
38.75°	43	48	53	57	62	68	74	79	85	92	98
37.5°	48	54	58	64	70	76	83	89	97	104	110
36.25°	54	59	65	72	79	85	93	101	108	116	125
35°	59	66	73	80	87	96	104	112	121	131	140



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	66	73	81	89	98	106	115	125	135	145	155
32.5°	73	81	89	99	108	117	128	139	149	161	173
31.25°	80	89	99	108	119	130	142	153	166	179	191
30°	87	98	108	119	131	143	155	169	183	196	211
28.75°	96	106	117	130	143	156	171	185	200	216	232
27.5°	104	115	128	142	155	171	186	202	219	236	252
26.25°	112	125	139	153	169	185	202	220	238	256	275
25°	121	135	149	166	183	200	219	238	257	278	298
23.75°	131	145	161	179	196	216	236	256	278	299	321
22.5°	140	155	173	191	211	232	252	275	298	321	345
21.25°	148	166	185	204	226	247	270	294	318	343	367
20°	158	177	196	218	240	263	288	313	339	364	389
18.75°	167	187	208	231	253	279	305	332	359	385	409
17.5°	177	197	220	243	268	295	322	350	378	403	427
16.25°	186	207	231	255	283	310	339	367	395	420	444
15°	194	217	242	268	296	325	354	384	411	436	460
13.75°	202	227	251	280	309	339	369	398	425	450	473
12.5°	210	235	262	291	321	352	383	411	438	463	486
11.25°	218	243	272	301	332	364	394	423	450	474	498
10°	225	250	280	311	342	375	405	433	460	485	509
8.75°	231	258	288	319	352	384	414	442	469	494	519
7.5°	236	264	295	327	360	392	422	450	477	502	527
6.25°	241	270	301	333	367	399	429	457	483	509	534
5°	244	275	306	339	372	405	434	462	489	515	540
3.75°	247	278	310	343	377	409	439	467	493	519	545
2.5°	249	281	312	346	380	412	442	470	496	523	549
1.25°	251	282	314	348	382	414	443	471	498	524	551
0°	251	283	315	349	383	414	444	472	498	525	552
-1.25°	251	282	314	348	382	414	443	471	498	524	551
-2.5°	249	281	312	346	380	412	442	470	496	523	549
-3.75°	247	278	310	343	377	409	439	467	493	519	545
-5°	244	275	306	339	372	405	434	462	489	515	540
-6.25°	241	270	301	333	367	399	429	457	483	509	534
-7.5°	236	264	295	327	360	392	422	450	477	502	527
-8.75°	231	258	288	319	352	384	414	442	469	494	519
-10°	225	250	280	311	342	375	405	433	460	485	509
-11.25°	218	243	272	301	332	364	394	423	450	474	498
-12.5°	210	235	262	291	321	352	383	411	438	463	486
-13.75°	202	227	251	280	309	339	369	398	425	450	473
-15°	194	217	242	268	296	325	354	384	411	436	460
-16.25°	186	207	231	255	283	310	339	367	395	420	444
-17.5°	177	197	220	243	268	295	322	350	378	403	427
-18.75°	167	187	208	231	253	279	305	332	359	385	409
-20°	158	177	196	218	240	263	288	313	339	364	389
-21.25°	148	166	185	204	226	247	270	294	318	343	367



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	140	155	173	191	211	232	252	275	298	321	345
-23.75°	131	145	161	179	196	216	236	256	278	299	321
-25°	121	135	149	166	183	200	219	238	257	278	298
-26.25°	112	125	139	153	169	185	202	220	238	256	275
-27.5°	104	115	128	142	155	171	186	202	219	236	252
-28.75°	96	106	117	130	143	156	171	185	200	216	232
-30°	87	98	108	119	131	143	155	169	183	196	211
-31.25°	80	89	99	108	119	130	142	153	166	179	191
-32.5°	73	81	89	99	108	117	128	139	149	161	173
-33.75°	66	73	81	89	98	106	115	125	135	145	155
-35°	59	66	73	80	87	96	104	112	121	131	140
-36.25°	54	59	65	72	79	85	93	101	108	116	125
-37.5°	48	54	58	64	70	76	83	89	97	104	110
-38.75°	43	48	53	57	62	68	74	79	85	92	98
-40°	39	43	47	51	55	60	65	70	75	81	86
-41.25°	35	38	42	45	49	53	57	61	66	71	76
-42.5°	31	34	37	40	43	47	51	54	58	61	66
-43.75°	27	30	32	35	38	41	44	47	51	54	58
-45°	24	26	29	31	33	36	39	42	44	47	50
-46.25°	21	23	25	27	29	31	34	36	39	41	43
-47.5°	18	20	22	24	26	28	29	31	33	36	38
-48.75°	16	17	19	20	22	24	26	27	29	31	32
-50°	14	15	16	18	19	20	22	23	25	26	28
-51.25°	12	13	14	15	16	17	19	20	21	22	24
-52.5°	10	11	12	13	14	15	16	17	18	19	20
-53.75°	9	10	10	11	12	13	14	14	15	16	17
-55°	8	8	9	10	10	11	12	12	13	14	14
-56.25°	7	7	8	8	9	9	10	10	11	11	12
-57.5°	6	6	7	7	7	8	8	9	9	10	10
-58.75°	5	5	6	6	6	7	7	7	8	8	9
-60°	4	4	5	5	5	6	6	6	7	7	7
-61.25°	3	3	4	4	4	5	5	5	6	6	6
-62.5°	2	2	3	3	3	4	4	4	5	5	5
-63.75°	2	2	2	2	2	3	3	3	3	4	4
-65°	2	2	2	2	2	2	2	2	2	3	3
-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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	3	3	3	3	3	3	3
65°	3	3	3	4	4	4	4	4	4	4	5
63.75°	4	4	5	5	5	5	5	5	5	6	6
62.5°	5	5	6	6	6	6	6	7	7	7	7
61.25°	6	7	7	7	7	7	8	8	8	8	8
60°	8	8	8	8	9	9	9	9	10	10	10
58.75°	9	9	10	10	10	11	11	11	12	12	12
57.5°	10	11	12	12	12	13	13	14	14	14	14
56.25°	13	13	14	14	15	15	16	16	17	17	18
55°	15	16	16	17	18	19	19	20	20	21	21
53.75°	18	19	20	21	21	22	23	23	24	25	25
52.5°	21	22	23	24	25	26	27	28	29	30	30
51.25°	25	26	28	29	30	31	32	33	34	35	36
50°	29	31	32	34	35	37	38	39	40	41	42
48.75°	34	36	38	40	41	43	44	45	47	48	49
47.5°	40	42	44	46	48	50	52	53	55	56	58
46.25°	46	48	51	53	56	58	60	62	64	66	68
45°	53	56	59	61	64	67	70	73	75	77	79
43.75°	61	64	68	72	75	78	81	84	86	89	92
42.5°	70	74	78	82	86	90	94	97	101	104	106
41.25°	80	85	90	95	99	104	108	111	115	119	122
40°	92	97	103	108	113	118	123	128	132	136	140
38.75°	104	110	116	123	129	135	140	146	150	155	159
37.5°	117	125	132	139	146	152	159	166	172	177	182
36.25°	133	141	148	157	165	173	180	187	193	199	205
35°	148	158	167	177	186	194	202	210	218	225	231



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	166	177	187	197	207	217	227	235	243	250	258
32.5°	185	196	208	220	231	242	251	262	272	280	288
31.25°	204	218	231	243	255	268	280	291	301	311	319
30°	226	240	253	268	283	296	309	321	332	342	352
28.75°	247	263	279	295	310	325	339	352	364	375	384
27.5°	270	288	305	322	339	354	369	383	394	405	414
26.25°	294	313	332	350	367	384	398	411	423	433	442
25°	318	339	359	378	395	411	425	438	450	460	469
23.75°	343	364	385	403	420	436	450	463	474	485	494
22.5°	367	389	409	427	444	460	473	486	498	509	519
21.25°	390	412	431	449	466	481	495	509	522	533	543
20°	412	433	452	470	487	502	518	531	544	557	568
18.75°	431	452	471	489	507	523	539	554	568	581	592
17.5°	449	470	489	508	526	543	560	576	590	603	616
16.25°	466	487	507	526	545	563	581	597	612	627	641
15°	481	502	523	543	563	582	600	618	635	651	666
13.75°	495	518	539	560	581	600	620	639	657	675	691
12.5°	509	531	554	576	597	618	639	659	679	698	714
11.25°	522	544	568	590	612	635	657	679	700	719	735
10°	533	557	581	603	627	651	675	698	719	737	753
8.75°	543	568	592	616	641	666	691	714	735	753	769
7.5°	552	577	602	628	653	680	705	728	748	767	783
6.25°	560	586	611	638	664	692	717	740	760	779	795
5°	567	593	619	646	674	702	727	749	770	788	805
3.75°	572	598	625	653	681	709	734	757	777	796	813
2.5°	576	602	630	658	687	715	740	762	782	801	819
1.25°	578	604	632	661	690	718	743	765	785	805	822
0°	579	605	633	662	691	719	744	766	787	806	823
-1.25°	578	604	632	661	690	718	743	765	785	805	822
-2.5°	576	602	630	658	687	715	740	762	782	801	819
-3.75°	572	598	625	653	681	709	734	757	777	796	813
-5°	567	593	619	646	674	702	727	749	770	788	805
-6.25°	560	586	611	638	664	692	717	740	760	779	795
-7.5°	552	577	602	628	653	680	705	728	748	767	783
-8.75°	543	568	592	616	641	666	691	714	735	753	769
-10°	533	557	581	603	627	651	675	698	719	737	753
-11.25°	522	544	568	590	612	635	657	679	700	719	735
-12.5°	509	531	554	576	597	618	639	659	679	698	714
-13.75°	495	518	539	560	581	600	620	639	657	675	691
-15°	481	502	523	543	563	582	600	618	635	651	666
-16.25°	466	487	507	526	545	563	581	597	612	627	641
-17.5°	449	470	489	508	526	543	560	576	590	603	616
-18.75°	431	452	471	489	507	523	539	554	568	581	592
-20°	412	433	452	470	487	502	518	531	544	557	568
-21.25°	390	412	431	449	466	481	495	509	522	533	543



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	367	389	409	427	444	460	473	486	498	509	519
-23.75°	343	364	385	403	420	436	450	463	474	485	494
-25°	318	339	359	378	395	411	425	438	450	460	469
-26.25°	294	313	332	350	367	384	398	411	423	433	442
-27.5°	270	288	305	322	339	354	369	383	394	405	414
-28.75°	247	263	279	295	310	325	339	352	364	375	384
-30°	226	240	253	268	283	296	309	321	332	342	352
-31.25°	204	218	231	243	255	268	280	291	301	311	319
-32.5°	185	196	208	220	231	242	251	262	272	280	288
-33.75°	166	177	187	197	207	217	227	235	243	250	258
-35°	148	158	167	177	186	194	202	210	218	225	231
-36.25°	133	141	148	157	165	173	180	187	193	199	205
-37.5°	117	125	132	139	146	152	159	166	172	177	182
-38.75°	104	110	116	123	129	135	140	146	150	155	159
-40°	92	97	103	108	113	118	123	128	132	136	140
-41.25°	80	85	90	95	99	104	108	111	115	119	122
-42.5°	70	74	78	82	86	90	94	97	101	104	106
-43.75°	61	64	68	72	75	78	81	84	86	89	92
-45°	53	56	59	61	64	67	70	73	75	77	79
-46.25°	46	48	51	53	56	58	60	62	64	66	68
-47.5°	40	42	44	46	48	50	52	53	55	56	58
-48.75°	34	36	38	40	41	43	44	45	47	48	49
-50°	29	31	32	34	35	37	38	39	40	41	42
-51.25°	25	26	28	29	30	31	32	33	34	35	36
-52.5°	21	22	23	24	25	26	27	28	29	30	30
-53.75°	18	19	20	21	21	22	23	23	24	25	25
-55°	15	16	16	17	18	19	19	20	20	21	21
-56.25°	13	13	14	14	15	15	16	16	17	17	18
-57.5°	10	11	12	12	12	13	13	14	14	14	14
-58.75°	9	9	10	10	10	11	11	11	12	12	12
-60°	8	8	8	8	9	9	9	9	10	10	10
-61.25°	6	7	7	7	7	7	8	8	8	8	8
-62.5°	5	5	6	6	6	6	6	7	7	7	7
-63.75°	4	4	5	5	5	5	5	5	5	6	6
-65°	3	3	3	4	4	4	4	4	4	4	5
-66.25°	2	2	2	2	3	3	3	3	3	3	3
-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	3	3	4	4	4	4	4	4	4	4	4
65°	5	5	5	5	5	5	5	5	5	5	5
63.75°	6	6	6	6	6	6	6	6	6	6	6
62.5°	7	7	7	7	7	7	7	7	7	7	7
61.25°	8	9	9	9	9	9	9	9	9	9	9
60°	10	10	10	10	10	10	10	10	10	10	10
58.75°	12	12	13	13	13	13	13	13	13	13	13
57.5°	15	15	15	15	15	15	15	15	15	15	15
56.25°	18	18	18	19	19	19	19	19	19	19	18
55°	21	22	22	22	22	22	23	22	22	22	22
53.75°	26	26	27	27	27	27	27	27	27	27	27
52.5°	31	31	31	32	32	32	32	32	32	32	31
51.25°	36	37	38	38	38	38	39	38	38	38	38
50°	43	43	44	44	45	45	45	45	45	44	44
48.75°	50	51	52	53	53	53	53	53	53	53	52
47.5°	59	60	60	61	61	62	62	62	61	61	60
46.25°	69	70	72	72	73	73	73	73	73	72	72
45°	81	82	83	84	85	85	85	85	85	84	83
43.75°	94	96	97	98	99	100	100	100	99	98	97
42.5°	108	110	112	113	114	115	115	115	114	113	112
41.25°	125	127	129	131	132	133	133	133	132	131	129
40°	143	146	148	149	151	151	152	151	151	149	148
38.75°	163	167	170	172	173	174	175	174	173	172	170
37.5°	186	189	192	194	196	197	197	197	196	194	192
36.25°	210	214	218	221	223	224	224	224	223	221	218
35°	236	241	244	247	249	251	251	251	249	247	244



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	264	270	275	278	281	282	283	282	281	278	275
32.5°	295	301	306	310	312	314	315	314	312	310	306
31.25°	327	333	339	343	346	348	349	348	346	343	339
30°	360	367	372	377	380	382	383	382	380	377	372
28.75°	392	399	405	409	412	414	414	414	412	409	405
27.5°	422	429	434	439	442	443	444	443	442	439	434
26.25°	450	457	462	467	470	471	472	471	470	467	462
25°	477	483	489	493	496	498	498	498	496	493	489
23.75°	502	509	515	519	523	524	525	524	523	519	515
22.5°	527	534	540	545	549	551	552	551	549	545	540
21.25°	552	560	567	572	576	578	579	578	576	572	567
20°	577	586	593	598	602	604	605	604	602	598	593
18.75°	602	611	619	625	630	632	633	632	630	625	619
17.5°	628	638	646	653	658	661	662	661	658	653	646
16.25°	653	664	674	681	687	690	691	690	687	681	674
15°	680	692	702	709	715	718	719	718	715	709	702
13.75°	705	717	727	734	740	743	744	743	740	734	727
12.5°	728	740	749	757	762	765	766	765	762	757	749
11.25°	748	760	770	777	782	785	787	785	782	777	770
10°	767	779	788	796	801	805	806	805	801	796	788
8.75°	783	795	805	813	819	822	823	822	819	813	805
7.5°	797	810	820	827	832	834	835	834	832	827	820
6.25°	810	822	831	836	839	839	839	839	839	836	831
5°	820	831	838	839	838	837	836	837	838	839	838
3.75°	827	836	839	837	833	830	829	830	833	837	839
2.5°	832	839	838	833	827	822	820	822	827	833	838
1.25°	834	839	837	830	822	817	816	817	822	830	837
0°	835	839	836	829	820	816	817	816	820	829	836
-1.25°	834	839	837	830	822	817	816	817	822	830	837
-2.5°	832	839	838	833	827	822	820	822	827	833	838
-3.75°	827	836	839	837	833	830	829	830	833	837	839
-5°	820	831	838	839	838	837	836	837	838	839	838
-6.25°	810	822	831	836	839	839	839	839	839	836	831
-7.5°	797	810	820	827	832	834	835	834	832	827	820
-8.75°	783	795	805	813	819	822	823	822	819	813	805
-10°	767	779	788	796	801	805	806	805	801	796	788
-11.25°	748	760	770	777	782	785	787	785	782	777	770
-12.5°	728	740	749	757	762	765	766	765	762	757	749
-13.75°	705	717	727	734	740	743	744	743	740	734	727
-15°	680	692	702	709	715	718	719	718	715	709	702
-16.25°	653	664	674	681	687	690	691	690	687	681	674
-17.5°	628	638	646	653	658	661	662	661	658	653	646
-18.75°	602	611	619	625	630	632	633	632	630	625	619
-20°	577	586	593	598	602	604	605	604	602	598	593
-21.25°	552	560	567	572	576	578	579	578	576	572	567



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	527	534	540	545	549	551	552	551	549	545	540
-23.75°	502	509	515	519	523	524	525	524	523	519	515
-25°	477	483	489	493	496	498	498	498	496	493	489
-26.25°	450	457	462	467	470	471	472	471	470	467	462
-27.5°	422	429	434	439	442	443	444	443	442	439	434
-28.75°	392	399	405	409	412	414	414	414	412	409	405
-30°	360	367	372	377	380	382	383	382	380	377	372
-31.25°	327	333	339	343	346	348	349	348	346	343	339
-32.5°	295	301	306	310	312	314	315	314	312	310	306
-33.75°	264	270	275	278	281	282	283	282	281	278	275
-35°	236	241	244	247	249	251	251	251	249	247	244
-36.25°	210	214	218	221	223	224	224	224	223	221	218
-37.5°	186	189	192	194	196	197	197	197	196	194	192
-38.75°	163	167	170	172	173	174	175	174	173	172	170
-40°	143	146	148	149	151	151	152	151	151	149	148
-41.25°	125	127	129	131	132	133	133	133	132	131	129
-42.5°	108	110	112	113	114	115	115	115	114	113	112
-43.75°	94	96	97	98	99	100	100	100	99	98	97
-45°	81	82	83	84	85	85	85	85	85	84	83
-46.25°	69	70	72	72	73	73	73	73	73	72	72
-47.5°	59	60	60	61	61	62	62	62	61	61	60
-48.75°	50	51	52	53	53	53	53	53	53	53	52
-50°	43	43	44	44	45	45	45	45	45	44	44
-51.25°	36	37	38	38	38	38	39	38	38	38	38
-52.5°	31	31	31	32	32	32	32	32	32	32	31
-53.75°	26	26	27	27	27	27	27	27	27	27	27
-55°	21	22	22	22	22	22	23	22	22	22	22
-56.25°	18	18	18	19	19	19	19	19	19	19	18
-57.5°	15	15	15	15	15	15	15	15	15	15	15
-58.75°	12	12	13	13	13	13	13	13	13	13	13
-60°	10	10	10	10	10	10	10	10	10	10	10
-61.25°	8	9	9	9	9	9	9	9	9	9	9
-62.5°	7	7	7	7	7	7	7	7	7	7	7
-63.75°	6	6	6	6	6	6	6	6	6	6	6
-65°	5	5	5	5	5	5	5	5	5	5	5
-66.25°	3	3	4	4	4	4	4	4	4	4	4
-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	3	3	3	3	3	3	3	3	3	2	2
65°	5	5	5	4	4	4	4	4	4	4	3
63.75°	6	6	6	6	5	5	5	5	5	5	5
62.5°	7	7	7	7	7	7	6	6	6	6	6
61.25°	9	8	8	8	8	8	8	7	7	7	7
60°	10	10	10	10	10	9	9	9	9	8	8
58.75°	12	12	12	12	12	11	11	11	10	10	10
57.5°	15	15	14	14	14	14	13	13	12	12	12
56.25°	18	18	18	17	17	16	16	15	15	14	14
55°	22	21	21	21	20	20	19	19	18	17	16
53.75°	26	26	25	25	24	23	23	22	21	21	20
52.5°	31	31	30	30	29	28	27	26	25	24	23
51.25°	37	36	36	35	34	33	32	31	30	29	28
50°	43	43	42	41	40	39	38	37	35	34	32
48.75°	51	50	49	48	47	45	44	43	41	40	38
47.5°	60	59	58	56	55	53	52	50	48	46	44
46.25°	70	69	68	66	64	62	60	58	56	53	51
45°	82	81	79	77	75	73	70	67	64	61	59
43.75°	96	94	92	89	86	84	81	78	75	72	68
42.5°	110	108	106	104	101	97	94	90	86	82	78
41.25°	127	125	122	119	115	111	108	104	99	95	90
40°	146	143	140	136	132	128	123	118	113	108	103
38.75°	167	163	159	155	150	146	140	135	129	123	116
37.5°	189	186	182	177	172	166	159	152	146	139	132
36.25°	214	210	205	199	193	187	180	173	165	157	148
35°	241	236	231	225	218	210	202	194	186	177	167



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	270	264	258	250	243	235	227	217	207	197	187
32.5°	301	295	288	280	272	262	251	242	231	220	208
31.25°	333	327	319	311	301	291	280	268	255	243	231
30°	367	360	352	342	332	321	309	296	283	268	253
28.75°	399	392	384	375	364	352	339	325	310	295	279
27.5°	429	422	414	405	394	383	369	354	339	322	305
26.25°	457	450	442	433	423	411	398	384	367	350	332
25°	483	477	469	460	450	438	425	411	395	378	359
23.75°	509	502	494	485	474	463	450	436	420	403	385
22.5°	534	527	519	509	498	486	473	460	444	427	409
21.25°	560	552	543	533	522	509	495	481	466	449	431
20°	586	577	568	557	544	531	518	502	487	470	452
18.75°	611	602	592	581	568	554	539	523	507	489	471
17.5°	638	628	616	603	590	576	560	543	526	508	489
16.25°	664	653	641	627	612	597	581	563	545	526	507
15°	692	680	666	651	635	618	600	582	563	543	523
13.75°	717	705	691	675	657	639	620	600	581	560	539
12.5°	740	728	714	698	679	659	639	618	597	576	554
11.25°	760	748	735	719	700	679	657	635	612	590	568
10°	779	767	753	737	719	698	675	651	627	603	581
8.75°	795	783	769	753	735	714	691	666	641	616	592
7.5°	810	797	783	767	748	728	705	680	653	628	602
6.25°	822	810	795	779	760	740	717	692	664	638	611
5°	831	820	805	788	770	749	727	702	674	646	619
3.75°	836	827	813	796	777	757	734	709	681	653	625
2.5°	839	832	819	801	782	762	740	715	687	658	630
1.25°	839	834	822	805	785	765	743	718	690	661	632
0°	839	835	823	806	787	766	744	719	691	662	633
-1.25°	839	834	822	805	785	765	743	718	690	661	632
-2.5°	839	832	819	801	782	762	740	715	687	658	630
-3.75°	836	827	813	796	777	757	734	709	681	653	625
-5°	831	820	805	788	770	749	727	702	674	646	619
-6.25°	822	810	795	779	760	740	717	692	664	638	611
-7.5°	810	797	783	767	748	728	705	680	653	628	602
-8.75°	795	783	769	753	735	714	691	666	641	616	592
-10°	779	767	753	737	719	698	675	651	627	603	581
-11.25°	760	748	735	719	700	679	657	635	612	590	568
-12.5°	740	728	714	698	679	659	639	618	597	576	554
-13.75°	717	705	691	675	657	639	620	600	581	560	539
-15°	692	680	666	651	635	618	600	582	563	543	523
-16.25°	664	653	641	627	612	597	581	563	545	526	507
-17.5°	638	628	616	603	590	576	560	543	526	508	489
-18.75°	611	602	592	581	568	554	539	523	507	489	471
-20°	586	577	568	557	544	531	518	502	487	470	452
-21.25°	560	552	543	533	522	509	495	481	466	449	431



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	534	527	519	509	498	486	473	460	444	427	409
-23.75°	509	502	494	485	474	463	450	436	420	403	385
-25°	483	477	469	460	450	438	425	411	395	378	359
-26.25°	457	450	442	433	423	411	398	384	367	350	332
-27.5°	429	422	414	405	394	383	369	354	339	322	305
-28.75°	399	392	384	375	364	352	339	325	310	295	279
-30°	367	360	352	342	332	321	309	296	283	268	253
-31.25°	333	327	319	311	301	291	280	268	255	243	231
-32.5°	301	295	288	280	272	262	251	242	231	220	208
-33.75°	270	264	258	250	243	235	227	217	207	197	187
-35°	241	236	231	225	218	210	202	194	186	177	167
-36.25°	214	210	205	199	193	187	180	173	165	157	148
-37.5°	189	186	182	177	172	166	159	152	146	139	132
-38.75°	167	163	159	155	150	146	140	135	129	123	116
-40°	146	143	140	136	132	128	123	118	113	108	103
-41.25°	127	125	122	119	115	111	108	104	99	95	90
-42.5°	110	108	106	104	101	97	94	90	86	82	78
-43.75°	96	94	92	89	86	84	81	78	75	72	68
-45°	82	81	79	77	75	73	70	67	64	61	59
-46.25°	70	69	68	66	64	62	60	58	56	53	51
-47.5°	60	59	58	56	55	53	52	50	48	46	44
-48.75°	51	50	49	48	47	45	44	43	41	40	38
-50°	43	43	42	41	40	39	38	37	35	34	32
-51.25°	37	36	36	35	34	33	32	31	30	29	28
-52.5°	31	31	30	30	29	28	27	26	25	24	23
-53.75°	26	26	25	25	24	23	23	22	21	21	20
-55°	22	21	21	21	20	20	19	19	18	17	16
-56.25°	18	18	18	17	17	16	16	15	15	14	14
-57.5°	15	15	14	14	14	14	13	13	12	12	12
-58.75°	12	12	12	12	12	11	11	11	10	10	10
-60°	10	10	10	10	10	9	9	9	9	8	8
-61.25°	9	8	8	8	8	8	8	7	7	7	7
-62.5°	7	7	7	7	7	7	6	6	6	6	6
-63.75°	6	6	6	6	5	5	5	5	5	5	5
-65°	5	5	5	4	4	4	4	4	4	4	3
-66.25°	3	3	3	3	3	3	3	3	3	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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	3	3	3	3	2	2	2	2	2	2	2
63.75°	4	4	4	4	3	3	3	3	2	2	2
62.5°	5	5	5	5	5	4	4	4	3	3	3
61.25°	7	6	6	6	6	5	5	5	4	4	4
60°	8	8	7	7	7	6	6	6	5	5	5
58.75°	9	9	9	8	8	7	7	7	6	6	6
57.5°	11	10	10	10	9	9	8	8	7	7	7
56.25°	13	13	12	11	11	10	10	9	9	8	8
55°	16	15	14	14	13	12	12	11	10	10	9
53.75°	19	18	17	16	15	14	14	13	12	11	10
52.5°	22	21	20	19	18	17	16	15	14	13	12
51.25°	26	25	24	22	21	20	19	17	16	15	14
50°	31	29	28	26	25	23	22	20	19	18	16
48.75°	36	34	32	31	29	27	26	24	22	20	19
47.5°	42	40	38	36	33	31	29	28	26	24	22
46.25°	48	46	43	41	39	36	34	31	29	27	25
45°	56	53	50	47	44	42	39	36	33	31	29
43.75°	64	61	58	54	51	47	44	41	38	35	32
42.5°	74	70	66	61	58	54	51	47	43	40	37
41.25°	85	80	76	71	66	61	57	53	49	45	42
40°	97	92	86	81	75	70	65	60	55	51	47
38.75°	110	104	98	92	85	79	74	68	62	57	53
37.5°	125	117	110	104	97	89	83	76	70	64	58
36.25°	141	133	125	116	108	101	93	85	79	72	65
35°	158	148	140	131	121	112	104	96	87	80	73



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	177	166	155	145	135	125	115	106	98	89	81
32.5°	196	185	173	161	149	139	128	117	108	99	89
31.25°	218	204	191	179	166	153	142	130	119	108	99
30°	240	226	211	196	183	169	155	143	131	119	108
28.75°	263	247	232	216	200	185	171	156	143	130	117
27.5°	288	270	252	236	219	202	186	171	155	142	128
26.25°	313	294	275	256	238	220	202	185	169	153	139
25°	339	318	298	278	257	238	219	200	183	166	149
23.75°	364	343	321	299	278	256	236	216	196	179	161
22.5°	389	367	345	321	298	275	252	232	211	191	173
21.25°	412	390	367	343	318	294	270	247	226	204	185
20°	433	412	389	364	339	313	288	263	240	218	196
18.75°	452	431	409	385	359	332	305	279	253	231	208
17.5°	470	449	427	403	378	350	322	295	268	243	220
16.25°	487	466	444	420	395	367	339	310	283	255	231
15°	502	481	460	436	411	384	354	325	296	268	242
13.75°	518	495	473	450	425	398	369	339	309	280	251
12.5°	531	509	486	463	438	411	383	352	321	291	262
11.25°	544	522	498	474	450	423	394	364	332	301	272
10°	557	533	509	485	460	433	405	375	342	311	280
8.75°	568	543	519	494	469	442	414	384	352	319	288
7.5°	577	552	527	502	477	450	422	392	360	327	295
6.25°	586	560	534	509	483	457	429	399	367	333	301
5°	593	567	540	515	489	462	434	405	372	339	306
3.75°	598	572	545	519	493	467	439	409	377	343	310
2.5°	602	576	549	523	496	470	442	412	380	346	312
1.25°	604	578	551	524	498	471	443	414	382	348	314
0°	605	579	552	525	498	472	444	414	383	349	315
-1.25°	604	578	551	524	498	471	443	414	382	348	314
-2.5°	602	576	549	523	496	470	442	412	380	346	312
-3.75°	598	572	545	519	493	467	439	409	377	343	310
-5°	593	567	540	515	489	462	434	405	372	339	306
-6.25°	586	560	534	509	483	457	429	399	367	333	301
-7.5°	577	552	527	502	477	450	422	392	360	327	295
-8.75°	568	543	519	494	469	442	414	384	352	319	288
-10°	557	533	509	485	460	433	405	375	342	311	280
-11.25°	544	522	498	474	450	423	394	364	332	301	272
-12.5°	531	509	486	463	438	411	383	352	321	291	262
-13.75°	518	495	473	450	425	398	369	339	309	280	251
-15°	502	481	460	436	411	384	354	325	296	268	242
-16.25°	487	466	444	420	395	367	339	310	283	255	231
-17.5°	470	449	427	403	378	350	322	295	268	243	220
-18.75°	452	431	409	385	359	332	305	279	253	231	208
-20°	433	412	389	364	339	313	288	263	240	218	196
-21.25°	412	390	367	343	318	294	270	247	226	204	185



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	389	367	345	321	298	275	252	232	211	191	173
-23.75°	364	343	321	299	278	256	236	216	196	179	161
-25°	339	318	298	278	257	238	219	200	183	166	149
-26.25°	313	294	275	256	238	220	202	185	169	153	139
-27.5°	288	270	252	236	219	202	186	171	155	142	128
-28.75°	263	247	232	216	200	185	171	156	143	130	117
-30°	240	226	211	196	183	169	155	143	131	119	108
-31.25°	218	204	191	179	166	153	142	130	119	108	99
-32.5°	196	185	173	161	149	139	128	117	108	99	89
-33.75°	177	166	155	145	135	125	115	106	98	89	81
-35°	158	148	140	131	121	112	104	96	87	80	73
-36.25°	141	133	125	116	108	101	93	85	79	72	65
-37.5°	125	117	110	104	97	89	83	76	70	64	58
-38.75°	110	104	98	92	85	79	74	68	62	57	53
-40°	97	92	86	81	75	70	65	60	55	51	47
-41.25°	85	80	76	71	66	61	57	53	49	45	42
-42.5°	74	70	66	61	58	54	51	47	43	40	37
-43.75°	64	61	58	54	51	47	44	41	38	35	32
-45°	56	53	50	47	44	42	39	36	33	31	29
-46.25°	48	46	43	41	39	36	34	31	29	27	25
-47.5°	42	40	38	36	33	31	29	28	26	24	22
-48.75°	36	34	32	31	29	27	26	24	22	20	19
-50°	31	29	28	26	25	23	22	20	19	18	16
-51.25°	26	25	24	22	21	20	19	17	16	15	14
-52.5°	22	21	20	19	18	17	16	15	14	13	12
-53.75°	19	18	17	16	15	14	14	13	12	11	10
-55°	16	15	14	14	13	12	12	11	10	10	9
-56.25°	13	13	12	11	11	10	10	9	9	8	8
-57.5°	11	10	10	10	9	9	8	8	7	7	7
-58.75°	9	9	9	8	8	7	7	7	6	6	6
-60°	8	8	7	7	7	6	6	6	5	5	5
-61.25°	7	6	6	6	6	5	5	5	4	4	4
-62.5°	5	5	5	5	5	4	4	4	3	3	3
-63.75°	4	4	4	4	3	3	3	3	2	2	2
-65°	3	3	3	3	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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	3	3	3	2	2	2	2	2	2	2	1
60°	4	4	4	3	3	2	2	2	2	2	2
58.75°	5	5	5	4	4	3	3	2	2	2	2
57.5°	6	6	5	5	5	4	4	3	3	2	2
56.25°	7	7	6	6	5	5	5	4	4	3	2
55°	8	8	7	7	6	6	5	5	4	4	3
53.75°	10	9	8	8	7	7	6	6	5	5	4
52.5°	11	10	10	9	8	8	7	6	6	5	5
51.25°	13	12	11	10	9	9	8	7	7	6	5
50°	15	14	13	12	11	10	9	8	7	7	6
48.75°	17	16	14	13	12	11	10	9	8	8	7
47.5°	20	18	17	15	14	13	11	10	9	9	8
46.25°	23	21	19	17	16	14	13	12	10	9	9
45°	26	24	22	20	18	16	14	13	12	10	9
43.75°	30	27	25	22	20	18	16	15	13	12	10
42.5°	34	31	28	26	23	21	19	16	15	13	12
41.25°	38	35	31	29	26	23	21	19	16	14	13
40°	43	39	35	32	29	26	23	21	18	16	14
38.75°	48	43	40	36	32	29	26	23	20	18	16
37.5°	54	48	44	40	36	32	29	26	22	20	17
36.25°	59	54	49	44	40	35	31	28	25	22	19
35°	66	59	54	48	43	39	35	31	27	24	21



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	73	66	59	54	48	43	38	34	30	26	23
32.5°	81	73	65	58	53	47	42	37	32	29	25
31.25°	89	80	72	64	57	51	45	40	35	31	27
30°	98	87	79	70	62	55	49	43	38	33	29
28.75°	106	96	85	76	68	60	53	47	41	36	31
27.5°	115	104	93	83	74	65	57	51	44	39	34
26.25°	125	112	101	89	79	70	61	54	47	42	36
25°	135	121	108	97	85	75	66	58	51	44	39
23.75°	145	131	116	104	92	81	71	61	54	47	41
22.5°	155	140	125	110	98	86	76	66	58	50	43
21.25°	166	148	133	117	104	92	80	70	61	53	46
20°	177	158	141	125	110	97	85	74	64	56	48
18.75°	187	167	148	132	116	103	90	78	68	59	51
17.5°	197	177	157	139	123	108	95	82	72	61	53
16.25°	207	186	165	146	129	113	99	86	75	64	56
15°	217	194	173	152	135	118	104	90	78	67	58
13.75°	227	202	180	159	140	123	108	94	81	70	60
12.5°	235	210	187	166	146	128	111	97	84	73	62
11.25°	243	218	193	172	150	132	115	101	86	75	64
10°	250	225	199	177	155	136	119	104	89	77	66
8.75°	258	231	205	182	159	140	122	106	92	79	68
7.5°	264	236	210	186	163	143	125	108	94	81	69
6.25°	270	241	214	189	167	146	127	110	96	82	70
5°	275	244	218	192	170	148	129	112	97	83	72
3.75°	278	247	221	194	172	149	131	113	98	84	72
2.5°	281	249	223	196	173	151	132	114	99	85	73
1.25°	282	251	224	197	174	151	133	115	100	85	73
0°	283	251	224	197	175	152	133	115	100	85	73
-1.25°	282	251	224	197	174	151	133	115	100	85	73
-2.5°	281	249	223	196	173	151	132	114	99	85	73
-3.75°	278	247	221	194	172	149	131	113	98	84	72
-5°	275	244	218	192	170	148	129	112	97	83	72
-6.25°	270	241	214	189	167	146	127	110	96	82	70
-7.5°	264	236	210	186	163	143	125	108	94	81	69
-8.75°	258	231	205	182	159	140	122	106	92	79	68
-10°	250	225	199	177	155	136	119	104	89	77	66
-11.25°	243	218	193	172	150	132	115	101	86	75	64
-12.5°	235	210	187	166	146	128	111	97	84	73	62
-13.75°	227	202	180	159	140	123	108	94	81	70	60
-15°	217	194	173	152	135	118	104	90	78	67	58
-16.25°	207	186	165	146	129	113	99	86	75	64	56
-17.5°	197	177	157	139	123	108	95	82	72	61	53
-18.75°	187	167	148	132	116	103	90	78	68	59	51
-20°	177	158	141	125	110	97	85	74	64	56	48
-21.25°	166	148	133	117	104	92	80	70	61	53	46



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	155	140	125	110	98	86	76	66	58	50	43
-23.75°	145	131	116	104	92	81	71	61	54	47	41
-25°	135	121	108	97	85	75	66	58	51	44	39
-26.25°	125	112	101	89	79	70	61	54	47	42	36
-27.5°	115	104	93	83	74	65	57	51	44	39	34
-28.75°	106	96	85	76	68	60	53	47	41	36	31
-30°	98	87	79	70	62	55	49	43	38	33	29
-31.25°	89	80	72	64	57	51	45	40	35	31	27
-32.5°	81	73	65	58	53	47	42	37	32	29	25
-33.75°	73	66	59	54	48	43	38	34	30	26	23
-35°	66	59	54	48	43	39	35	31	27	24	21
-36.25°	59	54	49	44	40	35	31	28	25	22	19
-37.5°	54	48	44	40	36	32	29	26	22	20	17
-38.75°	48	43	40	36	32	29	26	23	20	18	16
-40°	43	39	35	32	29	26	23	21	18	16	14
-41.25°	38	35	31	29	26	23	21	19	16	14	13
-42.5°	34	31	28	26	23	21	19	16	15	13	12
-43.75°	30	27	25	22	20	18	16	15	13	12	10
-45°	26	24	22	20	18	16	14	13	12	10	9
-46.25°	23	21	19	17	16	14	13	12	10	9	9
-47.5°	20	18	17	15	14	13	11	10	9	9	8
-48.75°	17	16	14	13	12	11	10	9	8	8	7
-50°	15	14	13	12	11	10	9	8	7	7	6
-51.25°	13	12	11	10	9	9	8	7	7	6	5
-52.5°	11	10	10	9	8	8	7	6	6	5	5
-53.75°	10	9	8	8	7	7	6	6	5	5	4
-55°	8	8	7	7	6	6	5	5	4	4	3
-56.25°	7	7	6	6	5	5	5	4	4	3	2
-57.5°	6	6	5	5	5	4	4	3	3	2	2
-58.75°	5	5	5	4	4	3	3	2	2	2	2
-60°	4	4	4	3	3	2	2	2	2	2	2
-61.25°	3	3	3	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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	3	2	2	2	2	2	1	1	1	1	1
53.75°	3	3	2	2	2	2	2	1	1	1	1
52.5°	4	4	3	2	2	2	2	2	1	1	1
51.25°	5	4	4	3	2	2	2	2	1	1	1
50°	6	5	4	4	3	2	2	2	2	1	1
48.75°	6	6	5	4	4	3	2	2	2	2	1
47.5°	7	6	6	5	4	3	3	2	2	2	2
46.25°	8	7	6	5	5	4	3	2	2	2	2
45°	9	8	7	6	5	5	4	3	2	2	2
43.75°	9	8	7	7	6	5	4	4	3	2	2
42.5°	10	9	8	7	6	6	5	4	3	2	2
41.25°	11	10	9	8	7	6	5	5	4	3	2
40°	13	11	10	9	8	7	6	5	4	3	2
38.75°	14	12	11	9	8	7	6	5	5	4	3
37.5°	15	13	12	10	9	8	7	6	5	4	3
36.25°	17	14	13	11	10	8	7	6	5	5	4
35°	18	16	14	12	10	9	8	7	6	5	4



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	20	17	15	13	11	10	8	7	6	5	4
32.5°	22	19	16	14	12	10	9	8	7	6	5
31.25°	24	20	18	15	13	11	10	8	7	6	5
30°	26	22	19	16	14	12	10	9	7	6	5
28.75°	28	24	20	17	15	13	11	9	8	7	6
27.5°	29	26	22	19	16	14	12	10	8	7	6
26.25°	31	27	23	20	17	14	12	10	9	7	6
25°	33	29	25	21	18	15	13	11	9	8	7
23.75°	36	31	26	22	19	16	14	11	10	8	7
22.5°	38	32	28	24	20	17	14	12	10	9	7
21.25°	40	34	29	25	21	18	15	13	10	9	8
20°	42	36	31	26	22	19	16	13	11	9	8
18.75°	44	38	32	28	23	20	16	14	12	10	8
17.5°	46	40	34	29	24	21	17	14	12	10	8
16.25°	48	41	35	30	25	21	18	15	12	10	9
15°	50	43	37	31	26	22	19	15	13	11	9
13.75°	52	44	38	32	27	23	19	16	13	11	9
12.5°	53	45	39	33	28	23	20	16	14	11	9
11.25°	55	47	40	34	29	24	20	17	14	12	10
10°	56	48	41	35	30	25	21	17	14	12	10
8.75°	58	49	42	36	30	25	21	18	14	12	10
7.5°	59	50	43	36	31	26	21	18	15	12	10
6.25°	60	51	43	37	31	26	22	18	15	12	10
5°	60	52	44	38	31	27	22	18	15	13	10
3.75°	61	53	44	38	32	27	22	19	15	13	10
2.5°	61	53	45	38	32	27	22	19	15	13	10
1.25°	62	53	45	38	32	27	22	19	15	13	10
0°	62	53	45	39	32	27	23	19	15	13	10
-1.25°	62	53	45	38	32	27	22	19	15	13	10
-2.5°	61	53	45	38	32	27	22	19	15	13	10
-3.75°	61	53	44	38	32	27	22	19	15	13	10
-5°	60	52	44	38	31	27	22	18	15	13	10
-6.25°	60	51	43	37	31	26	22	18	15	12	10
-7.5°	59	50	43	36	31	26	21	18	15	12	10
-8.75°	58	49	42	36	30	25	21	18	14	12	10
-10°	56	48	41	35	30	25	21	17	14	12	10
-11.25°	55	47	40	34	29	24	20	17	14	12	10
-12.5°	53	45	39	33	28	23	20	16	14	11	9
-13.75°	52	44	38	32	27	23	19	16	13	11	9
-15°	50	43	37	31	26	22	19	15	13	11	9
-16.25°	48	41	35	30	25	21	18	15	12	10	9
-17.5°	46	40	34	29	24	21	17	14	12	10	8
-18.75°	44	38	32	28	23	20	16	14	12	10	8
-20°	42	36	31	26	22	19	16	13	11	9	8
-21.25°	40	34	29	25	21	18	15	13	10	9	8



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	38	32	28	24	20	17	14	12	10	9	7
-23.75°	36	31	26	22	19	16	14	11	10	8	7
-25°	33	29	25	21	18	15	13	11	9	8	7
-26.25°	31	27	23	20	17	14	12	10	9	7	6
-27.5°	29	26	22	19	16	14	12	10	8	7	6
-28.75°	28	24	20	17	15	13	11	9	8	7	6
-30°	26	22	19	16	14	12	10	9	7	6	5
-31.25°	24	20	18	15	13	11	10	8	7	6	5
-32.5°	22	19	16	14	12	10	9	8	7	6	5
-33.75°	20	17	15	13	11	10	8	7	6	5	4
-35°	18	16	14	12	10	9	8	7	6	5	4
-36.25°	17	14	13	11	10	8	7	6	5	5	4
-37.5°	15	13	12	10	9	8	7	6	5	4	3
-38.75°	14	12	11	9	8	7	6	5	5	4	3
-40°	13	11	10	9	8	7	6	5	4	3	2
-41.25°	11	10	9	8	7	6	5	5	4	3	2
-42.5°	10	9	8	7	6	6	5	4	3	2	2
-43.75°	9	8	7	7	6	5	4	4	3	2	2
-45°	9	8	7	6	5	5	4	3	2	2	2
-46.25°	8	7	6	5	5	4	3	2	2	2	2
-47.5°	7	6	6	5	4	3	3	2	2	2	2
-48.75°	6	6	5	4	4	3	2	2	2	2	1
-50°	6	5	4	4	3	2	2	2	2	1	1
-51.25°	5	4	4	3	2	2	2	2	1	1	1
-52.5°	4	4	3	2	2	2	2	2	1	1	1
-53.75°	3	3	2	2	2	2	2	1	1	1	1
-55°	3	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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	3	2	2	2	1	1	1	0	0	0	0
35°	3	2	2	2	1	1	1	0	0	0	0



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	3	2	2	2	1	1	1	0	0	0	0
32.5°	4	3	2	2	2	1	1	1	0	0	0
31.25°	4	3	2	2	2	1	1	1	0	0	0
30°	4	3	2	2	2	1	1	1	0	0	0
28.75°	5	4	3	2	2	1	1	1	0	0	0
27.5°	5	4	3	2	2	2	1	1	1	0	0
26.25°	5	4	3	2	2	2	1	1	1	0	0
25°	6	5	3	2	2	2	1	1	1	0	0
23.75°	6	5	4	3	2	2	1	1	1	0	0
22.5°	6	5	4	3	2	2	1	1	1	0	0
21.25°	6	5	4	3	2	2	2	1	1	0	0
20°	7	5	4	3	2	2	2	1	1	0	0
18.75°	7	6	5	3	2	2	2	1	1	0	0
17.5°	7	6	5	4	2	2	2	1	1	1	0
16.25°	7	6	5	4	3	2	2	1	1	1	0
15°	7	6	5	4	3	2	2	1	1	1	0
13.75°	8	6	5	4	3	2	2	1	1	1	0
12.5°	8	7	5	4	3	2	2	1	1	1	0
11.25°	8	7	5	4	3	2	2	1	1	1	0
10°	8	7	6	4	3	2	2	1	1	1	0
8.75°	8	7	6	5	3	2	2	2	1	1	0
7.5°	8	7	6	5	3	2	2	2	1	1	0
6.25°	9	7	6	5	3	2	2	2	1	1	0
5°	9	7	6	5	4	2	2	2	1	1	0
3.75°	9	7	6	5	4	2	2	2	1	1	0
2.5°	9	7	6	5	4	2	2	2	1	1	0
1.25°	9	7	6	5	4	2	2	2	1	1	0
0°	9	7	6	5	4	2	2	2	1	1	0
-1.25°	9	7	6	5	4	2	2	2	1	1	0
-2.5°	9	7	6	5	4	2	2	2	1	1	0
-3.75°	9	7	6	5	4	2	2	2	1	1	0
-5°	9	7	6	5	4	2	2	2	1	1	0
-6.25°	9	7	6	5	3	2	2	2	1	1	0
-7.5°	8	7	6	5	3	2	2	2	1	1	0
-8.75°	8	7	6	5	3	2	2	2	1	1	0
-10°	8	7	6	4	3	2	2	1	1	1	0
-11.25°	8	7	5	4	3	2	2	1	1	1	0
-12.5°	8	7	5	4	3	2	2	1	1	1	0
-13.75°	8	6	5	4	3	2	2	1	1	1	0
-15°	7	6	5	4	3	2	2	1	1	1	0
-16.25°	7	6	5	4	3	2	2	1	1	1	0
-17.5°	7	6	5	4	2	2	2	1	1	1	0
-18.75°	7	6	5	3	2	2	2	1	1	0	0
-20°	7	5	4	3	2	2	2	1	1	0	0
-21.25°	6	5	4	3	2	2	2	1	1	0	0



REPORT NUMBER: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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°	6	5	4	3	2	2	1	1	1	0	0
-23.75°	6	5	4	3	2	2	1	1	1	0	0
-25°	6	5	3	2	2	2	1	1	1	0	0
-26.25°	5	4	3	2	2	2	1	1	1	0	0
-27.5°	5	4	3	2	2	2	1	1	1	0	0
-28.75°	5	4	3	2	2	1	1	1	0	0	0
-30°	4	3	2	2	2	1	1	1	0	0	0
-31.25°	4	3	2	2	2	1	1	1	0	0	0
-32.5°	4	3	2	2	2	1	1	1	0	0	0
-33.75°	3	2	2	2	1	1	1	0	0	0	0
-35°	3	2	2	2	1	1	1	0	0	0	0
-36.25°	3	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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-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: P220426 (CONVERTED FROM TYPE C PHOTOMETRY)

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