

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: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

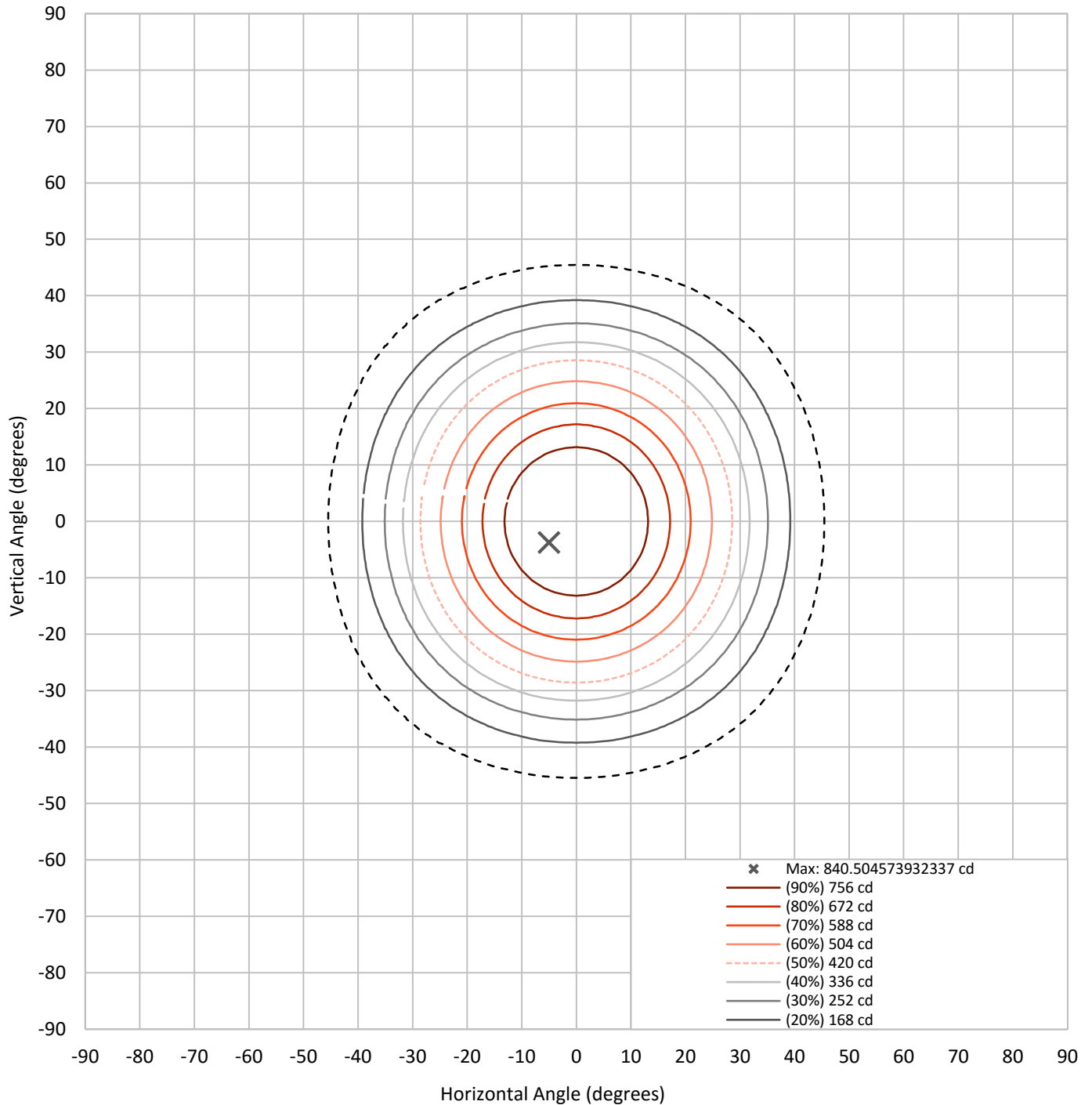
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	774.2 lumens	Max Intensity:	840.5 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	77.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.7°H x 56.4°V	Field Angle (10%):	90.5°H x 90.3°V
Beam Lumens:	475.9 lumens	Field Lumens:	713.9 lumens
Beam Efficiency:	61.5%	Field Efficiency:	92.2%
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-W-WT-L1-UNV

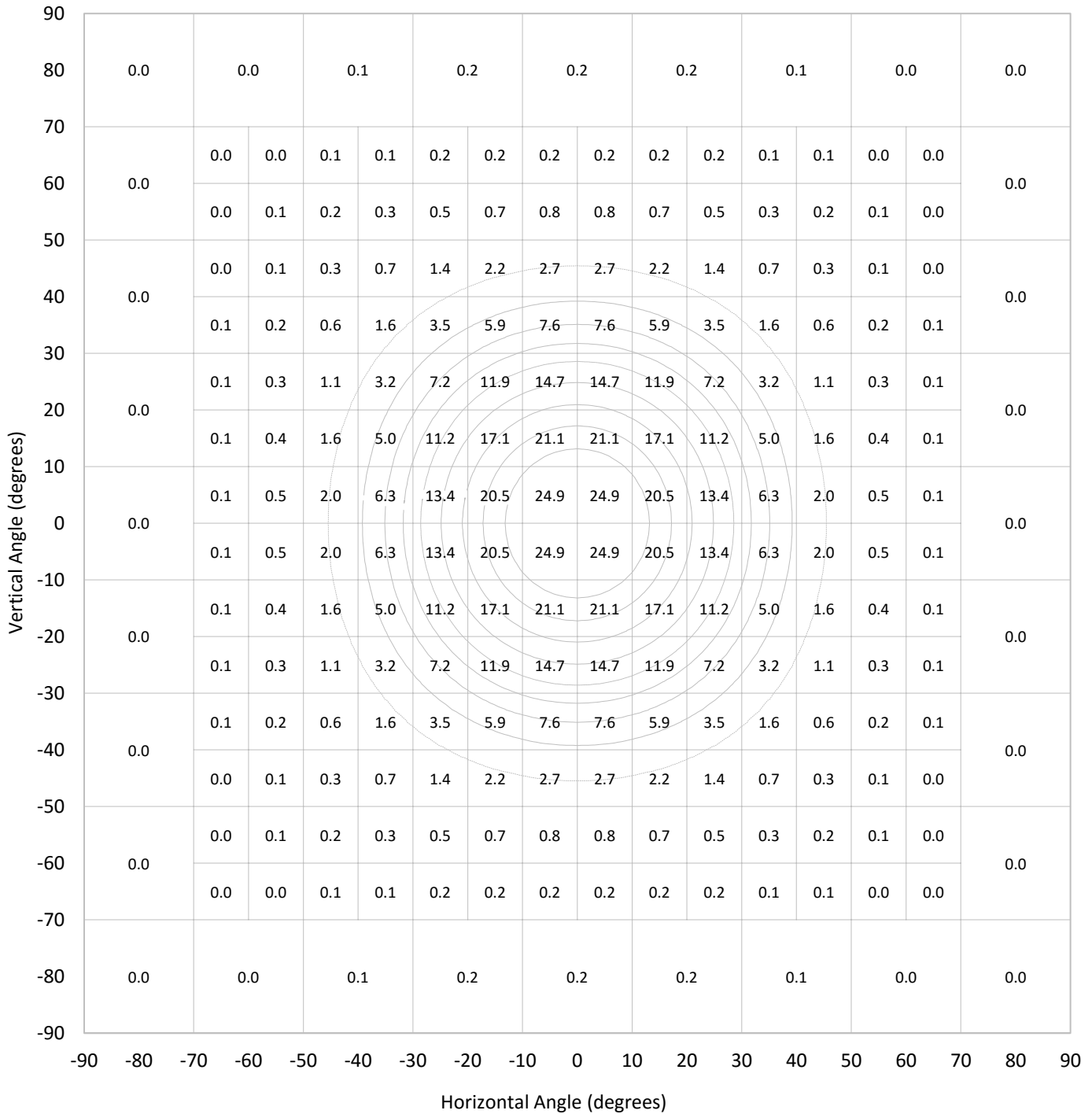
Iso-Candela Plot





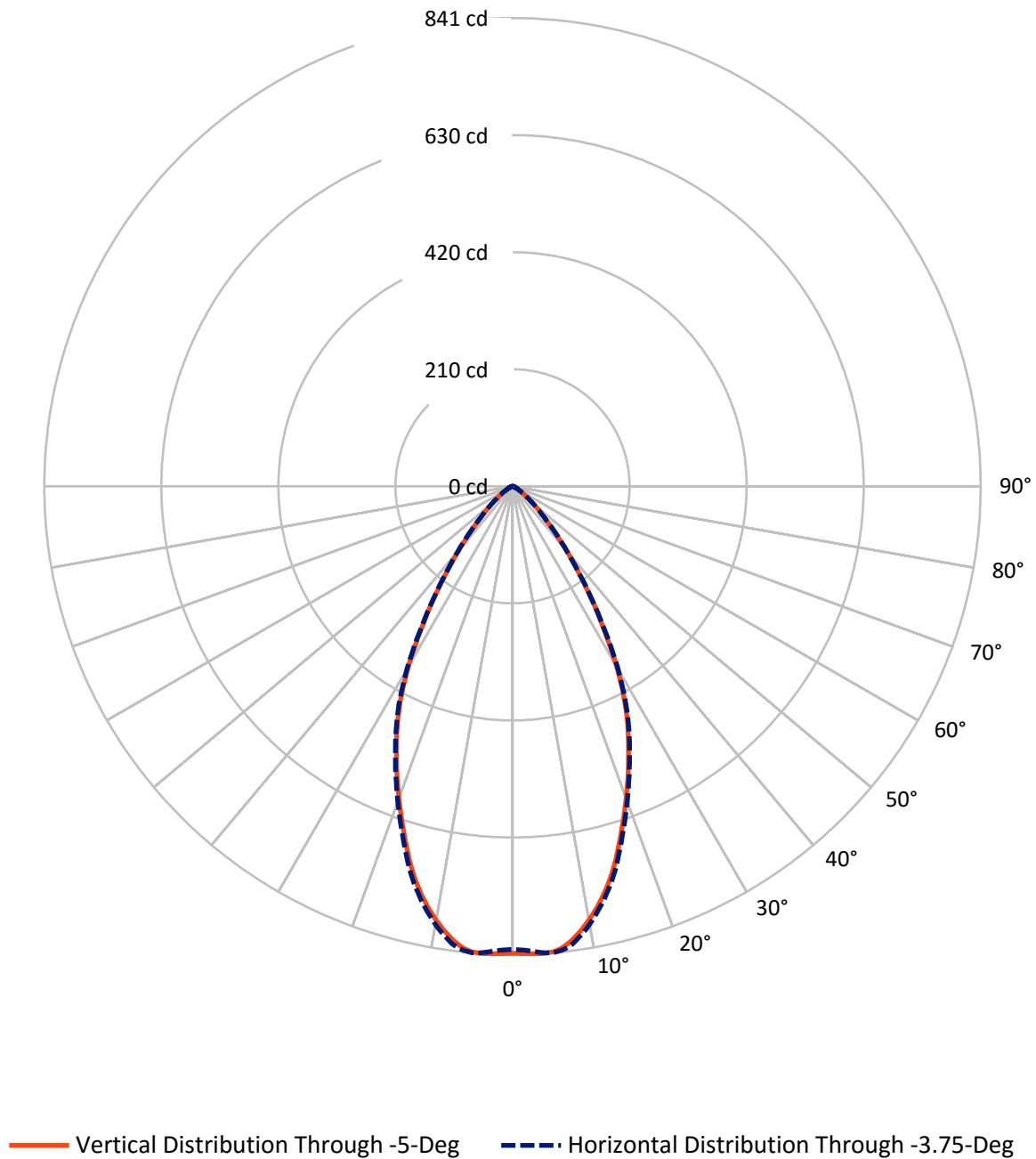
REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

Lumen Table



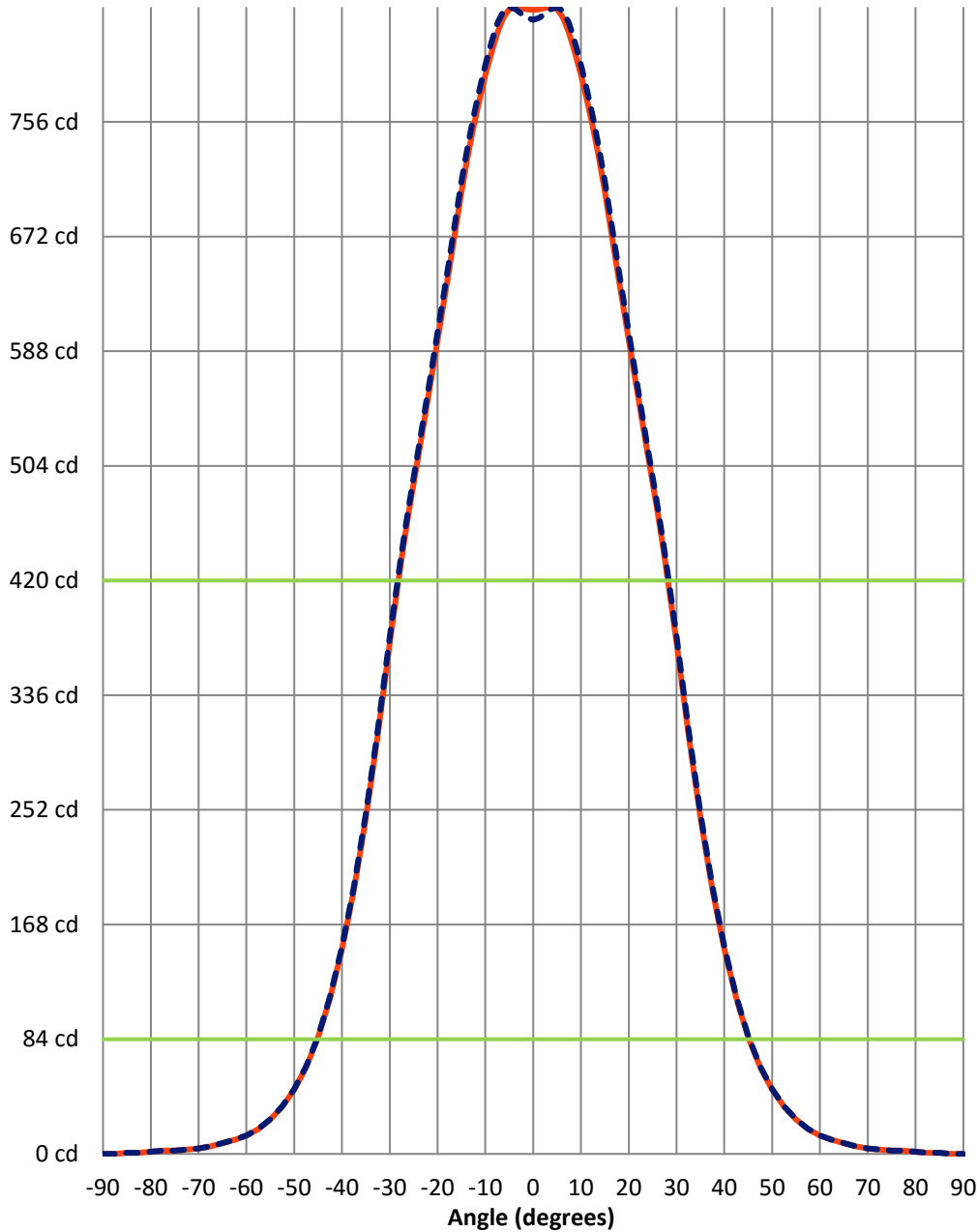
REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 56.7°
V Angle: 56.4°
Lumens: 475.9
Efficiency: 61.5%

Field:
H Angle: 90.5°
V Angle: 90.3°
Lumens: 713.9
Efficiency: 92.2%

Spill:
Lumens: 60.3
Efficiency: 7.8%

— 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	1
68.75°	0	0	0	0	0	0	0	0	0	0	1
67.5°	0	0	0	0	0	0	0	0	0	1	1
66.25°	0	0	0	0	0	0	0	0	0	1	1
65°	0	0	0	0	0	0	0	0	1	1	1
63.75°	0	0	0	0	0	0	0	0	1	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
61.25°	0	0	0	0	0	0	0	1	1	1	1
60°	0	0	0	0	0	0	0	1	1	1	1
58.75°	0	0	0	0	0	0	0	1	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
56.25°	0	0	0	0	0	0	1	1	1	1	1
55°	0	0	0	0	0	0	1	1	1	1	1
53.75°	0	0	0	0	0	0	1	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
51.25°	0	0	0	0	0	0	1	1	1	1	1
50°	0	0	0	0	0	0	1	1	1	1	1
48.75°	0	0	0	0	0	1	1	1	1	1	1
47.5°	0	0	0	0	0	1	1	1	1	1	1
46.25°	0	0	0	0	0	1	1	1	1	1	1
45°	0	0	0	0	0	1	1	1	1	1	1
43.75°	0	0	0	0	0	1	1	1	1	1	1
42.5°	0	0	0	0	0	1	1	1	1	1	1
41.25°	0	0	0	0	0	1	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	1
38.75°	0	0	0	0	0	1	1	1	1	1	2
37.5°	0	0	0	0	0	1	1	1	1	1	2
36.25°	0	0	0	0	0	1	1	1	1	1	2
35°	0	0	0	0	1	1	1	1	1	1	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	1	1	1	1	1	1	2
32.5°	0	0	0	0	1	1	1	1	1	1	2
31.25°	0	0	0	0	1	1	1	1	1	1	2
30°	0	0	0	0	1	1	1	1	1	2	2
28.75°	0	0	0	0	1	1	1	1	1	2	2
27.5°	0	0	0	0	1	1	1	1	1	2	2
26.25°	0	0	0	0	1	1	1	1	1	2	2
25°	0	0	0	0	1	1	1	1	1	2	2
23.75°	0	0	0	0	1	1	1	1	1	2	2
22.5°	0	0	0	0	1	1	1	1	1	2	2
21.25°	0	0	0	0	1	1	1	1	1	2	2
20°	0	0	0	0	1	1	1	1	1	2	2
18.75°	0	0	0	0	1	1	1	1	1	2	2
17.5°	0	0	0	0	1	1	1	1	1	2	2
16.25°	0	0	0	0	1	1	1	1	1	2	2
15°	0	0	0	0	1	1	1	1	1	2	2
13.75°	0	0	0	0	1	1	1	1	2	2	2
12.5°	0	0	0	0	1	1	1	1	2	2	2
11.25°	0	0	0	0	1	1	1	1	2	2	2
10°	0	0	0	0	1	1	1	1	2	2	2
8.75°	0	0	0	0	1	1	1	1	2	2	2
7.5°	0	0	0	0	1	1	1	1	2	2	2
6.25°	0	0	0	0	1	1	1	1	2	2	2
5°	0	0	0	0	1	1	1	1	2	2	2
3.75°	0	0	0	0	1	1	1	1	2	2	2
2.5°	0	0	0	0	1	1	1	1	2	2	2
1.25°	0	0	0	0	1	1	1	1	2	2	2
0°	0	0	0	0	1	1	1	1	2	2	2
-1.25°	0	0	0	0	1	1	1	1	2	2	2
-2.5°	0	0	0	0	1	1	1	1	2	2	2
-3.75°	0	0	0	0	1	1	1	1	2	2	2
-5°	0	0	0	0	1	1	1	1	2	2	2
-6.25°	0	0	0	0	1	1	1	1	2	2	2
-7.5°	0	0	0	0	1	1	1	1	2	2	2
-8.75°	0	0	0	0	1	1	1	1	2	2	2
-10°	0	0	0	0	1	1	1	1	2	2	2
-11.25°	0	0	0	0	1	1	1	1	2	2	2
-12.5°	0	0	0	0	1	1	1	1	2	2	2
-13.75°	0	0	0	0	1	1	1	1	2	2	2
-15°	0	0	0	0	1	1	1	1	1	2	2
-16.25°	0	0	0	0	1	1	1	1	1	2	2
-17.5°	0	0	0	0	1	1	1	1	1	2	2
-18.75°	0	0	0	0	1	1	1	1	1	2	2
-20°	0	0	0	0	1	1	1	1	1	2	2
-21.25°	0	0	0	0	1	1	1	1	1	2	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	2	2	2	2	3	3	3	4	4	4	5
32.5°	2	2	2	2	3	3	3	4	4	5	5
31.25°	2	2	2	2	3	3	3	4	4	5	5
30°	2	2	2	2	3	3	3	4	4	5	6
28.75°	2	2	2	2	3	3	4	4	4	5	6
27.5°	2	2	2	3	3	3	4	4	5	5	6
26.25°	2	2	2	3	3	3	4	4	5	5	6
25°	2	2	2	3	3	3	4	4	5	6	7
23.75°	2	2	2	3	3	3	4	4	5	6	7
22.5°	2	2	2	3	3	3	4	4	5	6	7
21.25°	2	2	2	3	3	4	4	5	5	6	7
20°	2	2	2	3	3	4	4	5	5	6	8
18.75°	2	2	3	3	3	4	4	5	6	7	8
17.5°	2	2	3	3	3	4	4	5	6	7	8
16.25°	2	2	3	3	3	4	4	5	6	7	8
15°	2	2	3	3	3	4	4	5	6	7	8
13.75°	2	2	3	3	3	4	4	5	6	7	8
12.5°	2	2	3	3	3	4	4	5	6	7	9
11.25°	2	2	3	3	3	4	5	5	6	8	9
10°	2	2	3	3	4	4	5	5	6	8	9
8.75°	2	2	3	3	4	4	5	5	7	8	9
7.5°	2	2	3	3	4	4	5	5	7	8	9
6.25°	2	2	3	3	4	4	5	6	7	8	9
5°	2	2	3	3	4	4	5	6	7	8	9
3.75°	2	2	3	3	4	4	5	6	7	8	9
2.5°	2	2	3	3	4	4	5	6	7	8	9
1.25°	2	2	3	3	4	4	5	6	7	8	9
0°	2	2	3	3	4	4	5	6	7	8	9
-1.25°	2	2	3	3	4	4	5	6	7	8	9
-2.5°	2	2	3	3	4	4	5	6	7	8	9
-3.75°	2	2	3	3	4	4	5	6	7	8	9
-5°	2	2	3	3	4	4	5	6	7	8	9
-6.25°	2	2	3	3	4	4	5	6	7	8	9
-7.5°	2	2	3	3	4	4	5	5	7	8	9
-8.75°	2	2	3	3	4	4	5	5	7	8	9
-10°	2	2	3	3	4	4	5	5	6	8	9
-11.25°	2	2	3	3	3	4	5	5	6	8	9
-12.5°	2	2	3	3	3	4	4	5	6	7	9
-13.75°	2	2	3	3	3	4	4	5	6	7	8
-15°	2	2	3	3	3	4	4	5	6	7	8
-16.25°	2	2	3	3	3	4	4	5	6	7	8
-17.5°	2	2	3	3	3	4	4	5	6	7	8
-18.75°	2	2	3	3	3	4	4	5	6	7	8
-20°	2	2	2	3	3	4	4	5	5	6	8
-21.25°	2	2	2	3	3	4	4	5	5	6	7



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0	0	0	0	0	0	0	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	1	1
-81.25°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	6	7	8	9	9	10	12	13	14	16	18
32.5°	6	7	8	9	10	11	12	13	15	17	19
31.25°	6	7	8	9	10	11	13	14	16	18	21
30°	7	8	9	10	11	12	13	15	17	19	22
28.75°	7	8	9	10	11	13	14	16	18	21	24
27.5°	7	8	9	10	12	13	15	17	19	22	25
26.25°	7	9	10	11	12	13	15	18	20	23	26
25°	8	9	10	11	13	14	16	18	21	24	28
23.75°	8	9	10	11	13	15	17	19	22	26	30
22.5°	8	9	10	12	13	15	18	20	23	27	31
21.25°	8	10	11	12	14	16	18	21	24	28	33
20°	9	10	11	13	14	16	19	22	25	30	34
18.75°	9	10	11	13	15	17	20	23	26	31	35
17.5°	9	10	12	13	15	18	20	24	28	32	37
16.25°	9	10	12	13	16	18	21	25	29	33	38
15°	9	11	12	14	16	18	22	25	30	34	40
13.75°	10	11	12	14	16	19	22	26	31	35	41
12.5°	10	11	13	14	17	20	23	27	31	36	42
11.25°	10	11	13	15	17	20	23	27	32	37	43
10°	10	11	13	15	17	20	24	28	33	38	44
8.75°	10	12	13	15	18	21	24	29	33	39	45
7.5°	10	12	13	15	18	21	25	29	34	40	46
6.25°	10	12	13	16	18	21	25	30	34	40	47
5°	10	12	13	16	18	22	25	30	35	41	47
3.75°	10	12	14	16	18	22	25	30	35	41	48
2.5°	10	12	14	16	18	22	26	30	35	41	48
1.25°	10	12	14	16	18	22	26	30	35	42	48
0°	10	12	14	16	19	22	26	31	35	42	48
-1.25°	10	12	14	16	18	22	26	30	35	42	48
-2.5°	10	12	14	16	18	22	26	30	35	41	48
-3.75°	10	12	14	16	18	22	26	30	35	41	48
-5°	10	12	13	16	18	22	25	30	35	41	47
-6.25°	10	12	13	16	18	21	25	30	34	40	47
-7.5°	10	12	13	15	18	21	25	29	34	40	46
-8.75°	10	12	13	15	18	21	24	29	33	39	45
-10°	10	11	13	15	17	20	24	28	33	38	44
-11.25°	10	11	13	15	17	20	23	27	32	37	43
-12.5°	10	11	13	14	17	20	23	27	31	36	42
-13.75°	10	11	12	14	16	19	22	26	31	35	41
-15°	9	11	12	14	16	18	22	25	30	34	40
-16.25°	9	10	12	13	16	18	21	25	29	33	38
-17.5°	9	10	12	13	15	18	20	24	28	32	37
-18.75°	9	10	11	13	15	17	20	23	26	31	35
-20°	9	10	11	13	14	16	19	22	25	30	34
-21.25°	8	10	11	12	14	16	18	21	24	28	33



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	8	9	10	12	13	15	18	20	23	27	31
-23.75°	8	9	10	11	13	15	17	19	22	26	30
-25°	8	9	10	11	13	14	16	18	21	24	28
-26.25°	7	9	10	11	12	13	15	18	20	23	26
-27.5°	7	8	9	10	12	13	15	17	19	22	25
-28.75°	7	8	9	10	11	13	14	16	18	21	24
-30°	7	8	9	10	11	12	13	15	17	19	22
-31.25°	6	7	8	9	10	11	13	14	16	18	21
-32.5°	6	7	8	9	10	11	12	13	15	17	19
-33.75°	6	7	8	9	9	10	12	13	14	16	18
-35°	5	6	7	8	9	10	11	12	13	15	17
-36.25°	5	6	7	8	9	10	10	12	13	14	16
-37.5°	5	6	6	7	8	9	10	11	12	13	15
-38.75°	5	5	6	7	8	9	10	10	11	13	14
-40°	4	5	6	6	7	8	9	10	11	12	13
-41.25°	4	5	5	6	7	8	9	9	10	11	12
-42.5°	4	4	5	6	6	7	8	9	10	10	11
-43.75°	4	4	5	5	6	7	7	8	9	10	11
-45°	4	4	4	5	5	6	7	8	8	9	10
-46.25°	4	4	4	5	5	6	6	7	8	9	9
-47.5°	3	4	4	4	5	5	6	7	7	8	9
-48.75°	3	4	4	4	4	5	5	6	7	7	8
-50°	3	3	4	4	4	5	5	5	6	7	7
-51.25°	3	3	3	4	4	4	5	5	6	6	7
-52.5°	3	3	3	3	4	4	4	5	5	6	6
-53.75°	3	3	3	3	4	4	4	4	5	5	5
-55°	3	3	3	3	3	4	4	4	4	5	5
-56.25°	2	3	3	3	3	3	4	4	4	4	5
-57.5°	2	2	3	3	3	3	3	4	4	4	4
-58.75°	2	2	2	3	3	3	3	3	3	4	4
-60°	2	2	2	2	3	3	3	3	3	3	4
-61.25°	2	2	2	2	2	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	3	3	3	3	3
-63.75°	2	2	2	2	2	2	2	2	3	3	3
-65°	2	2	2	2	2	2	2	2	2	3	3
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	2	2	2	2	2	2	2	2	2	2
-70°	1	1	2	2	2	2	2	2	2	2	2
-71.25°	1	1	1	1	2	2	2	2	2	2	2
-72.5°	1	1	1	1	1	1	2	2	2	2	2
-73.75°	1	1	1	1	1	1	1	1	2	2	2
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	0	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	0	0	1	1	1	1	1	1
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	2	2	2
76.25°	1	1	1	1	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	3	3	3
68.75°	2	2	2	2	2	3	3	3	3	3	3
67.5°	2	2	3	3	3	3	3	3	3	3	3
66.25°	3	3	3	3	3	3	3	3	3	4	4
65°	3	3	3	3	3	3	4	4	4	4	4
63.75°	3	3	3	3	4	4	4	4	4	4	5
62.5°	3	3	4	4	4	4	4	4	5	5	5
61.25°	4	4	4	4	4	4	5	5	5	6	6
60°	4	4	4	4	5	5	5	6	6	6	7
58.75°	4	4	5	5	5	6	6	6	7	7	8
57.5°	4	5	5	5	6	6	7	7	8	8	9
56.25°	5	5	6	6	7	7	8	8	9	9	10
55°	5	6	6	7	7	8	9	9	10	10	10
53.75°	6	7	7	8	8	9	9	10	10	11	12
52.5°	7	7	8	8	9	10	10	11	11	12	13
51.25°	7	8	9	9	10	10	11	12	13	13	14
50°	8	9	9	10	11	11	12	13	14	15	16
48.75°	9	9	10	11	12	12	13	14	15	17	18
47.5°	9	10	11	12	13	13	15	16	17	18	20
46.25°	10	11	12	13	14	15	16	17	19	21	23
45°	11	12	13	14	15	16	18	19	21	23	25
43.75°	12	13	14	15	16	18	20	22	24	26	28
42.5°	12	13	15	16	18	20	22	24	26	29	31
41.25°	13	15	16	18	20	22	24	26	29	32	35
40°	14	16	17	19	22	24	26	29	32	35	39
38.75°	15	17	19	21	24	26	29	32	35	39	43
37.5°	17	18	21	23	26	29	32	35	39	43	47
36.25°	18	20	23	25	28	31	35	39	43	47	52
35°	19	22	24	27	31	34	38	42	47	52	57



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	21	23	26	30	33	37	41	46	51	57	62
32.5°	22	25	28	32	35	40	45	50	56	62	68
31.25°	24	27	30	34	39	43	48	54	60	67	75
30°	25	29	33	37	42	46	52	59	65	73	81
28.75°	27	31	35	39	44	50	56	63	71	79	87
27.5°	29	33	37	42	47	54	60	68	76	85	95
26.25°	31	35	40	45	51	58	64	73	82	92	103
25°	32	37	42	47	54	61	69	78	87	99	111
23.75°	34	39	44	50	58	65	74	83	94	106	118
22.5°	35	41	47	53	61	69	78	88	100	113	127
21.25°	37	43	49	56	64	73	83	94	107	120	135
20°	39	45	52	59	67	77	87	100	113	128	143
18.75°	41	47	54	62	71	81	92	105	119	135	151
17.5°	43	49	57	64	74	85	97	110	125	142	159
16.25°	44	51	59	67	78	88	102	115	132	148	167
15°	46	53	61	70	81	92	106	120	137	155	175
13.75°	47	55	63	73	84	96	110	126	143	161	182
12.5°	49	57	65	75	86	100	114	131	148	168	189
11.25°	50	58	67	78	89	103	117	135	153	174	195
10°	51	60	69	80	92	106	121	139	157	179	201
8.75°	53	61	71	82	94	109	124	142	162	184	207
7.5°	54	62	72	83	96	111	127	146	166	188	212
6.25°	55	63	73	84	98	113	130	148	169	191	216
5°	55	64	74	86	100	114	132	150	172	194	220
3.75°	56	64	75	86	101	116	134	152	174	196	223
2.5°	56	65	76	87	102	116	135	153	175	198	225
1.25°	56	65	76	87	102	117	135	154	176	199	226
0°	57	65	76	88	102	117	136	154	177	199	226
-1.25°	56	65	76	87	102	117	135	154	176	199	226
-2.5°	56	65	76	87	102	116	135	153	175	198	225
-3.75°	56	64	75	86	101	116	134	152	174	196	223
-5°	55	64	74	86	100	114	132	150	172	194	220
-6.25°	55	63	73	84	98	113	130	148	169	191	216
-7.5°	54	62	72	83	96	111	127	146	166	188	212
-8.75°	53	61	71	82	94	109	124	142	162	184	207
-10°	51	60	69	80	92	106	121	139	157	179	201
-11.25°	50	58	67	78	89	103	117	135	153	174	195
-12.5°	49	57	65	75	86	100	114	131	148	168	189
-13.75°	47	55	63	73	84	96	110	126	143	161	182
-15°	46	53	61	70	81	92	106	120	137	155	175
-16.25°	44	51	59	67	78	88	102	115	132	148	167
-17.5°	43	49	57	64	74	85	97	110	125	142	159
-18.75°	41	47	54	62	71	81	92	105	119	135	151
-20°	39	45	52	59	67	77	87	100	113	128	143
-21.25°	37	43	49	56	64	73	83	94	107	120	135



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	35	41	47	53	61	69	78	88	100	113	127
-23.75°	34	39	44	50	58	65	74	83	94	106	118
-25°	32	37	42	47	54	61	69	78	87	99	111
-26.25°	31	35	40	45	51	58	64	73	82	92	103
-27.5°	29	33	37	42	47	54	60	68	76	85	95
-28.75°	27	31	35	39	44	50	56	63	71	79	87
-30°	25	29	33	37	42	46	52	59	65	73	81
-31.25°	24	27	30	34	39	43	48	54	60	67	75
-32.5°	22	25	28	32	35	40	45	50	56	62	68
-33.75°	21	23	26	30	33	37	41	46	51	57	62
-35°	19	22	24	27	31	34	38	42	47	52	57
-36.25°	18	20	23	25	28	31	35	39	43	47	52
-37.5°	17	18	21	23	26	29	32	35	39	43	47
-38.75°	15	17	19	21	24	26	29	32	35	39	43
-40°	14	16	17	19	22	24	26	29	32	35	39
-41.25°	13	15	16	18	20	22	24	26	29	32	35
-42.5°	12	13	15	16	18	20	22	24	26	29	31
-43.75°	12	13	14	15	16	18	20	22	24	26	28
-45°	11	12	13	14	15	16	18	19	21	23	25
-46.25°	10	11	12	13	14	15	16	17	19	21	23
-47.5°	9	10	11	12	13	13	15	16	17	18	20
-48.75°	9	9	10	11	12	12	13	14	15	17	18
-50°	8	9	9	10	11	11	12	13	14	15	16
-51.25°	7	8	9	9	10	10	11	12	13	13	14
-52.5°	7	7	8	8	9	10	10	11	11	12	13
-53.75°	6	7	7	8	8	9	9	10	10	11	12
-55°	5	6	6	7	7	8	9	9	10	10	10
-56.25°	5	5	6	6	7	7	8	8	9	9	10
-57.5°	4	5	5	5	6	6	7	7	8	8	9
-58.75°	4	4	5	5	5	6	6	6	7	7	8
-60°	4	4	4	4	5	5	5	6	6	6	7
-61.25°	4	4	4	4	4	4	5	5	5	6	6
-62.5°	3	3	4	4	4	4	4	4	5	5	5
-63.75°	3	3	3	3	4	4	4	4	4	4	5
-65°	3	3	3	3	3	3	4	4	4	4	4
-66.25°	3	3	3	3	3	3	3	3	3	4	4
-67.5°	2	2	3	3	3	3	3	3	3	3	3
-68.75°	2	2	2	2	2	3	3	3	3	3	3
-70°	2	2	2	2	2	2	2	2	3	3	3
-71.25°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	1	1	1	1	2	2	2	2	2	2	2
-77.5°	1	1	1	1	1	1	1	1	2	2	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	3	3	3	3	3
71.25°	2	3	3	3	3	3	3	3	3	3	3
70°	3	3	3	3	3	3	3	3	3	3	3
68.75°	3	3	3	3	3	4	4	4	4	4	4
67.5°	3	4	4	4	4	4	4	4	4	4	4
66.25°	4	4	4	4	4	4	5	5	5	5	5
65°	4	4	5	5	5	5	5	5	6	6	6
63.75°	5	5	5	5	6	6	6	6	7	7	7
62.5°	5	6	6	6	7	7	7	7	8	8	8
61.25°	6	7	7	7	8	8	8	9	9	9	9
60°	7	8	8	8	9	9	9	10	10	10	10
58.75°	8	9	9	9	10	10	10	11	11	11	12
57.5°	9	9	10	10	11	11	12	12	13	13	13
56.25°	10	10	11	11	12	13	13	13	14	15	15
55°	11	12	12	13	13	14	15	15	16	17	18
53.75°	12	13	13	14	15	16	17	18	18	19	20
52.5°	13	14	15	16	17	18	19	20	21	22	23
51.25°	15	16	17	18	19	21	22	23	24	26	27
50°	17	18	19	21	22	24	25	26	28	30	31
48.75°	19	21	22	24	25	27	29	31	32	34	35
47.5°	22	23	25	27	29	31	33	35	37	39	41
46.25°	24	26	28	30	33	35	37	40	42	44	47
45°	27	30	32	34	37	39	42	45	47	50	53
43.75°	31	33	35	39	42	44	47	51	54	58	61
42.5°	34	37	40	43	46	50	54	58	61	65	69
41.25°	38	41	45	48	52	56	60	64	69	74	78
40°	42	46	50	54	59	63	68	73	78	83	88
38.75°	47	51	56	60	65	71	76	82	87	94	100
37.5°	52	57	62	67	73	79	85	92	99	106	113
36.25°	57	62	68	75	81	87	95	103	111	118	127
35°	63	69	76	83	90	98	106	114	124	133	142



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	69	76	83	91	100	109	117	128	138	148	158
32.5°	76	83	92	101	110	120	131	142	152	164	175
31.25°	83	91	101	111	121	133	144	155	168	181	193
30°	90	100	110	121	133	145	158	171	185	198	213
28.75°	98	109	120	133	145	158	173	187	202	218	234
27.5°	106	117	131	144	158	173	188	203	221	238	254
26.25°	114	128	142	155	171	187	203	222	240	258	277
25°	124	138	152	168	185	202	221	240	259	280	300
23.75°	133	148	164	181	198	218	238	258	280	301	323
22.5°	142	158	175	193	213	234	254	277	300	323	346
21.25°	151	168	187	206	228	249	273	296	320	345	370
20°	160	179	198	220	242	265	290	314	341	367	391
18.75°	170	189	210	233	256	282	307	334	361	387	411
17.5°	179	198	222	245	271	297	324	352	380	405	429
16.25°	187	209	233	258	285	312	340	369	397	422	447
15°	195	219	244	270	298	326	356	386	412	438	463
13.75°	204	229	254	282	310	341	371	400	427	453	477
12.5°	212	238	264	293	322	354	385	413	440	466	489
11.25°	220	246	274	303	334	366	396	425	453	478	501
10°	227	253	283	312	344	377	407	436	463	488	512
8.75°	233	260	290	321	354	387	416	445	472	497	521
7.5°	238	267	297	329	362	394	424	454	480	505	530
6.25°	243	272	303	335	369	401	431	460	486	512	537
5°	247	277	308	341	375	406	437	466	492	517	544
3.75°	250	280	311	345	379	411	441	470	496	522	548
2.5°	252	283	314	348	382	414	444	473	499	525	552
1.25°	253	284	316	350	384	416	446	475	501	527	554
0°	254	285	316	351	385	416	447	475	502	528	555
-1.25°	253	284	316	350	384	416	446	475	501	527	554
-2.5°	252	283	314	348	382	414	444	473	499	525	552
-3.75°	250	280	311	345	379	411	441	470	496	522	548
-5°	247	277	308	341	375	406	437	466	492	517	544
-6.25°	243	272	303	335	369	401	431	460	486	512	537
-7.5°	238	267	297	329	362	394	424	454	480	505	530
-8.75°	233	260	290	321	354	387	416	445	472	497	521
-10°	227	253	283	312	344	377	407	436	463	488	512
-11.25°	220	246	274	303	334	366	396	425	453	478	501
-12.5°	212	238	264	293	322	354	385	413	440	466	489
-13.75°	204	229	254	282	310	341	371	400	427	453	477
-15°	195	219	244	270	298	326	356	386	412	438	463
-16.25°	187	209	233	258	285	312	340	369	397	422	447
-17.5°	179	198	222	245	271	297	324	352	380	405	429
-18.75°	170	189	210	233	256	282	307	334	361	387	411
-20°	160	179	198	220	242	265	290	314	341	367	391
-21.25°	151	168	187	206	228	249	273	296	320	345	370



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	142	158	175	193	213	234	254	277	300	323	346
-23.75°	133	148	164	181	198	218	238	258	280	301	323
-25°	124	138	152	168	185	202	221	240	259	280	300
-26.25°	114	128	142	155	171	187	203	222	240	258	277
-27.5°	106	117	131	144	158	173	188	203	221	238	254
-28.75°	98	109	120	133	145	158	173	187	202	218	234
-30°	90	100	110	121	133	145	158	171	185	198	213
-31.25°	83	91	101	111	121	133	144	155	168	181	193
-32.5°	76	83	92	101	110	120	131	142	152	164	175
-33.75°	69	76	83	91	100	109	117	128	138	148	158
-35°	63	69	76	83	90	98	106	114	124	133	142
-36.25°	57	62	68	75	81	87	95	103	111	118	127
-37.5°	52	57	62	67	73	79	85	92	99	106	113
-38.75°	47	51	56	60	65	71	76	82	87	94	100
-40°	42	46	50	54	59	63	68	73	78	83	88
-41.25°	38	41	45	48	52	56	60	64	69	74	78
-42.5°	34	37	40	43	46	50	54	58	61	65	69
-43.75°	31	33	35	39	42	44	47	51	54	58	61
-45°	27	30	32	34	37	39	42	45	47	50	53
-46.25°	24	26	28	30	33	35	37	40	42	44	47
-47.5°	22	23	25	27	29	31	33	35	37	39	41
-48.75°	19	21	22	24	25	27	29	31	32	34	35
-50°	17	18	19	21	22	24	25	26	28	30	31
-51.25°	15	16	17	18	19	21	22	23	24	26	27
-52.5°	13	14	15	16	17	18	19	20	21	22	23
-53.75°	12	13	13	14	15	16	17	18	18	19	20
-55°	11	12	12	13	13	14	15	15	16	17	18
-56.25°	10	10	11	11	12	13	13	13	14	15	15
-57.5°	9	9	10	10	11	11	12	12	13	13	13
-58.75°	8	9	9	9	10	10	10	11	11	11	12
-60°	7	8	8	8	9	9	9	10	10	10	10
-61.25°	6	7	7	7	8	8	8	9	9	9	9
-62.5°	5	6	6	6	7	7	7	7	8	8	8
-63.75°	5	5	5	5	6	6	6	6	7	7	7
-65°	4	4	5	5	5	5	5	5	6	6	6
-66.25°	4	4	4	4	4	4	5	5	5	5	5
-67.5°	3	4	4	4	4	4	4	4	4	4	4
-68.75°	3	3	3	3	3	4	4	4	4	4	4
-70°	3	3	3	3	3	3	3	3	3	3	3
-71.25°	2	3	3	3	3	3	3	3	3	3	3
-72.5°	2	2	2	2	2	2	3	3	3	3	3
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	1	1	1	1	2	2	2	2	2	2	2
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	2	2	2	2	2
78.75°	2	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	3	3	3	3	3
71.25°	3	3	3	3	3	3	3	3	3	4	4
70°	4	4	4	4	4	4	4	4	4	4	4
68.75°	4	4	4	4	4	4	4	4	5	5	5
67.5°	5	5	5	5	5	5	5	5	5	5	5
66.25°	5	5	6	6	6	6	6	6	6	6	7
65°	6	6	7	7	7	7	7	7	8	8	8
63.75°	7	8	8	8	8	8	8	9	9	9	9
62.5°	8	9	9	9	9	9	10	10	10	10	10
61.25°	10	10	10	10	10	11	11	11	11	11	12
60°	11	11	11	12	12	12	12	13	13	13	13
58.75°	12	13	13	13	13	14	14	14	15	15	15
57.5°	14	14	15	15	16	16	16	17	17	17	18
56.25°	16	16	17	18	18	18	19	20	20	20	21
55°	18	19	20	20	21	22	22	23	23	24	24
53.75°	21	22	23	24	25	25	26	27	27	28	29
52.5°	24	25	26	28	29	30	31	31	32	33	33
51.25°	28	30	31	32	33	34	35	36	37	38	39
50°	33	34	35	37	38	40	41	42	43	44	45
48.75°	37	39	41	43	44	46	47	49	50	51	53
47.5°	43	45	47	49	51	53	55	57	58	60	61
46.25°	49	52	54	57	59	61	63	65	67	69	71
45°	56	59	62	64	67	70	73	75	78	80	82
43.75°	64	67	71	74	78	81	84	86	89	92	94
42.5°	73	77	81	85	88	92	96	100	103	106	109
41.25°	83	87	92	97	102	106	110	114	117	121	124
40°	94	100	105	110	115	120	126	131	135	139	142
38.75°	107	113	119	125	132	137	143	148	153	157	162
37.5°	120	128	135	142	148	155	161	168	174	179	184
36.25°	135	143	151	159	167	175	182	189	195	201	207
35°	151	160	170	179	187	195	204	212	220	227	233



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	168	179	189	198	209	219	229	238	246	253	260
32.5°	187	198	210	222	233	244	254	264	274	283	290
31.25°	206	220	233	245	258	270	282	293	303	312	321
30°	228	242	256	271	285	298	310	322	334	344	354
28.75°	249	265	282	297	312	326	341	354	366	377	387
27.5°	273	290	307	324	340	356	371	385	396	407	416
26.25°	296	314	334	352	369	386	400	413	425	436	445
25°	320	341	361	380	397	412	427	440	453	463	472
23.75°	345	367	387	405	422	438	453	466	478	488	497
22.5°	370	391	411	429	447	463	477	489	501	512	521
21.25°	393	413	434	453	469	485	499	512	524	536	546
20°	413	435	455	473	490	505	520	534	548	560	571
18.75°	434	455	475	492	509	526	542	557	571	584	596
17.5°	453	473	492	511	529	546	563	579	594	608	621
16.25°	469	490	509	529	548	566	584	601	617	631	645
15°	485	505	526	546	566	585	604	622	639	655	670
13.75°	499	520	542	563	584	604	624	643	661	678	695
12.5°	512	534	557	579	601	622	643	663	683	701	718
11.25°	524	548	571	594	617	639	661	683	704	723	738
10°	536	560	584	608	631	655	678	701	723	740	756
8.75°	546	571	596	621	645	670	695	718	738	756	772
7.5°	555	581	607	632	657	683	709	732	752	769	785
6.25°	563	589	616	642	668	695	721	743	763	781	797
5°	570	597	623	650	678	705	730	752	772	791	807
3.75°	575	602	629	657	685	713	738	760	780	798	815
2.5°	579	606	634	662	690	718	743	765	785	804	820
1.25°	581	609	636	665	694	722	746	768	788	807	823
0°	582	610	637	666	695	723	747	769	790	808	824
-1.25°	581	609	636	665	694	722	746	768	788	807	823
-2.5°	579	606	634	662	690	718	743	765	785	804	820
-3.75°	575	602	629	657	685	713	738	760	780	798	815
-5°	570	597	623	650	678	705	730	752	772	791	807
-6.25°	563	589	616	642	668	695	721	743	763	781	797
-7.5°	555	581	607	632	657	683	709	732	752	769	785
-8.75°	546	571	596	621	645	670	695	718	738	756	772
-10°	536	560	584	608	631	655	678	701	723	740	756
-11.25°	524	548	571	594	617	639	661	683	704	723	738
-12.5°	512	534	557	579	601	622	643	663	683	701	718
-13.75°	499	520	542	563	584	604	624	643	661	678	695
-15°	485	505	526	546	566	585	604	622	639	655	670
-16.25°	469	490	509	529	548	566	584	601	617	631	645
-17.5°	453	473	492	511	529	546	563	579	594	608	621
-18.75°	434	455	475	492	509	526	542	557	571	584	596
-20°	413	435	455	473	490	505	520	534	548	560	571
-21.25°	393	413	434	453	469	485	499	512	524	536	546



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	370	391	411	429	447	463	477	489	501	512	521
-23.75°	345	367	387	405	422	438	453	466	478	488	497
-25°	320	341	361	380	397	412	427	440	453	463	472
-26.25°	296	314	334	352	369	386	400	413	425	436	445
-27.5°	273	290	307	324	340	356	371	385	396	407	416
-28.75°	249	265	282	297	312	326	341	354	366	377	387
-30°	228	242	256	271	285	298	310	322	334	344	354
-31.25°	206	220	233	245	258	270	282	293	303	312	321
-32.5°	187	198	210	222	233	244	254	264	274	283	290
-33.75°	168	179	189	198	209	219	229	238	246	253	260
-35°	151	160	170	179	187	195	204	212	220	227	233
-36.25°	135	143	151	159	167	175	182	189	195	201	207
-37.5°	120	128	135	142	148	155	161	168	174	179	184
-38.75°	107	113	119	125	132	137	143	148	153	157	162
-40°	94	100	105	110	115	120	126	131	135	139	142
-41.25°	83	87	92	97	102	106	110	114	117	121	124
-42.5°	73	77	81	85	88	92	96	100	103	106	109
-43.75°	64	67	71	74	78	81	84	86	89	92	94
-45°	56	59	62	64	67	70	73	75	78	80	82
-46.25°	49	52	54	57	59	61	63	65	67	69	71
-47.5°	43	45	47	49	51	53	55	57	58	60	61
-48.75°	37	39	41	43	44	46	47	49	50	51	53
-50°	33	34	35	37	38	40	41	42	43	44	45
-51.25°	28	30	31	32	33	34	35	36	37	38	39
-52.5°	24	25	26	28	29	30	31	31	32	33	33
-53.75°	21	22	23	24	25	25	26	27	27	28	29
-55°	18	19	20	20	21	22	22	23	23	24	24
-56.25°	16	16	17	18	18	18	19	20	20	20	21
-57.5°	14	14	15	15	16	16	16	17	17	17	18
-58.75°	12	13	13	13	13	14	14	14	15	15	15
-60°	11	11	11	12	12	12	12	13	13	13	13
-61.25°	10	10	10	10	10	11	11	11	11	11	12
-62.5°	8	9	9	9	9	9	10	10	10	10	10
-63.75°	7	8	8	8	8	8	8	9	9	9	9
-65°	6	6	7	7	7	7	7	7	8	8	8
-66.25°	5	5	6	6	6	6	6	6	6	6	7
-67.5°	5	5	5	5	5	5	5	5	5	5	5
-68.75°	4	4	4	4	4	4	4	4	5	5	5
-70°	4	4	4	4	4	4	4	4	4	4	4
-71.25°	3	3	3	3	3	3	3	3	3	4	4
-72.5°	3	3	3	3	3	3	3	3	3	3	3
-73.75°	2	2	3	3	3	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	2	2	2	2	2	2	2	2	2	2	2
-80°	1	1	1	1	1	1	2	2	2	2	2
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	2	2	2	2	2	2	2	2	2	2	2
78.75°	2	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	3	3	3	3	3
71.25°	4	4	4	4	4	4	4	4	4	4	4
70°	4	4	4	4	4	4	4	4	4	4	4
68.75°	5	5	5	5	5	5	5	5	5	5	5
67.5°	5	6	6	6	6	6	6	6	6	6	6
66.25°	7	7	7	7	7	7	7	7	7	7	7
65°	8	8	8	8	8	8	8	8	8	8	8
63.75°	9	9	9	9	9	9	9	9	9	9	9
62.5°	10	10	10	10	10	10	10	10	10	10	10
61.25°	12	12	12	12	12	12	12	12	12	12	12
60°	13	13	13	14	14	14	14	14	14	14	13
58.75°	15	16	16	16	16	16	16	16	16	16	16
57.5°	18	18	18	18	18	18	19	18	18	18	18
56.25°	21	21	22	22	22	22	22	22	22	22	22
55°	25	25	25	25	26	26	26	26	26	25	25
53.75°	29	30	30	30	30	30	31	30	30	30	30
52.5°	34	34	35	35	35	35	35	35	35	35	35
51.25°	40	40	41	41	41	42	42	42	41	41	41
50°	46	47	47	48	48	48	48	48	48	48	47
48.75°	54	55	55	56	56	56	57	56	56	56	55
47.5°	62	63	64	64	65	65	65	65	65	64	64
46.25°	72	73	74	75	76	76	76	76	76	75	74
45°	83	84	86	86	87	87	88	87	87	86	86
43.75°	96	98	100	101	102	102	102	102	102	101	100
42.5°	111	113	114	116	116	117	117	117	116	116	114
41.25°	127	130	132	134	135	135	136	135	135	134	132
40°	146	148	150	152	153	154	154	154	153	152	150
38.75°	166	169	172	174	175	176	177	176	175	174	172
37.5°	188	191	194	196	198	199	199	199	198	196	194
36.25°	212	216	220	223	225	226	226	226	225	223	220
35°	238	243	247	250	252	253	254	253	252	250	247



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	267	272	277	280	283	284	285	284	283	280	277
32.5°	297	303	308	311	314	316	316	316	314	311	308
31.25°	329	335	341	345	348	350	351	350	348	345	341
30°	362	369	375	379	382	384	385	384	382	379	375
28.75°	394	401	406	411	414	416	416	416	414	411	406
27.5°	424	431	437	441	444	446	447	446	444	441	437
26.25°	454	460	466	470	473	475	475	475	473	470	466
25°	480	486	492	496	499	501	502	501	499	496	492
23.75°	505	512	517	522	525	527	528	527	525	522	517
22.5°	530	537	544	548	552	554	555	554	552	548	544
21.25°	555	563	570	575	579	581	582	581	579	575	570
20°	581	589	597	602	606	609	610	609	606	602	597
18.75°	607	616	623	629	634	636	637	636	634	629	623
17.5°	632	642	650	657	662	665	666	665	662	657	650
16.25°	657	668	678	685	690	694	695	694	690	685	678
15°	683	695	705	713	718	722	723	722	718	713	705
13.75°	709	721	730	738	743	746	747	746	743	738	730
12.5°	732	743	752	760	765	768	769	768	765	760	752
11.25°	752	763	772	780	785	788	790	788	785	780	772
10°	769	781	791	798	804	807	808	807	804	798	791
8.75°	785	797	807	815	820	823	824	823	820	815	807
7.5°	799	811	822	829	834	835	836	835	834	829	822
6.25°	811	824	833	837	840	840	841	840	840	837	833
5°	822	833	839	841	840	839	839	839	840	841	839
3.75°	829	837	841	839	836	833	831	833	836	839	841
2.5°	834	840	840	836	830	825	824	825	830	836	840
1.25°	835	840	839	833	825	821	821	821	825	833	839
0°	836	841	839	831	824	821	823	821	824	831	839
-1.25°	835	840	839	833	825	821	821	821	825	833	839
-2.5°	834	840	840	836	830	825	824	825	830	836	840
-3.75°	829	837	841	839	836	833	831	833	836	839	841
-5°	822	833	839	841	840	839	839	839	840	841	839
-6.25°	811	824	833	837	840	840	841	840	840	837	833
-7.5°	799	811	822	829	834	835	836	835	834	829	822
-8.75°	785	797	807	815	820	823	824	823	820	815	807
-10°	769	781	791	798	804	807	808	807	804	798	791
-11.25°	752	763	772	780	785	788	790	788	785	780	772
-12.5°	732	743	752	760	765	768	769	768	765	760	752
-13.75°	709	721	730	738	743	746	747	746	743	738	730
-15°	683	695	705	713	718	722	723	722	718	713	705
-16.25°	657	668	678	685	690	694	695	694	690	685	678
-17.5°	632	642	650	657	662	665	666	665	662	657	650
-18.75°	607	616	623	629	634	636	637	636	634	629	623
-20°	581	589	597	602	606	609	610	609	606	602	597
-21.25°	555	563	570	575	579	581	582	581	579	575	570



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	530	537	544	548	552	554	555	554	552	548	544
-23.75°	505	512	517	522	525	527	528	527	525	522	517
-25°	480	486	492	496	499	501	502	501	499	496	492
-26.25°	454	460	466	470	473	475	475	475	473	470	466
-27.5°	424	431	437	441	444	446	447	446	444	441	437
-28.75°	394	401	406	411	414	416	416	416	414	411	406
-30°	362	369	375	379	382	384	385	384	382	379	375
-31.25°	329	335	341	345	348	350	351	350	348	345	341
-32.5°	297	303	308	311	314	316	316	316	314	311	308
-33.75°	267	272	277	280	283	284	285	284	283	280	277
-35°	238	243	247	250	252	253	254	253	252	250	247
-36.25°	212	216	220	223	225	226	226	226	225	223	220
-37.5°	188	191	194	196	198	199	199	199	198	196	194
-38.75°	166	169	172	174	175	176	177	176	175	174	172
-40°	146	148	150	152	153	154	154	154	153	152	150
-41.25°	127	130	132	134	135	135	136	135	135	134	132
-42.5°	111	113	114	116	116	117	117	117	116	116	114
-43.75°	96	98	100	101	102	102	102	102	102	101	100
-45°	83	84	86	86	87	87	88	87	87	86	86
-46.25°	72	73	74	75	76	76	76	76	76	75	74
-47.5°	62	63	64	64	65	65	65	65	65	64	64
-48.75°	54	55	55	56	56	56	57	56	56	56	55
-50°	46	47	47	48	48	48	48	48	48	48	47
-51.25°	40	40	41	41	41	42	42	42	41	41	41
-52.5°	34	34	35	35	35	35	35	35	35	35	35
-53.75°	29	30	30	30	30	30	31	30	30	30	30
-55°	25	25	25	25	26	26	26	26	26	25	25
-56.25°	21	21	22	22	22	22	22	22	22	22	22
-57.5°	18	18	18	18	18	18	19	18	18	18	18
-58.75°	15	16	16	16	16	16	16	16	16	16	16
-60°	13	13	13	14	14	14	14	14	14	14	13
-61.25°	12	12	12	12	12	12	12	12	12	12	12
-62.5°	10	10	10	10	10	10	10	10	10	10	10
-63.75°	9	9	9	9	9	9	9	9	9	9	9
-65°	8	8	8	8	8	8	8	8	8	8	8
-66.25°	7	7	7	7	7	7	7	7	7	7	7
-67.5°	5	6	6	6	6	6	6	6	6	6	6
-68.75°	5	5	5	5	5	5	5	5	5	5	5
-70°	4	4	4	4	4	4	4	4	4	4	4
-71.25°	4	4	4	4	4	4	4	4	4	4	4
-72.5°	3	3	3	3	3	3	3	3	3	3	3
-73.75°	3	3	3	3	3	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	2	2	2	2	2	2	2	2	2	2	2
-80°	2	2	2	2	2	2	2	2	2	2	2
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	2	2	2	2	2	2	2	1	1	1	1
78.75°	2	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	3	3	3	3	3
71.25°	4	4	4	4	3	3	3	3	3	3	3
70°	4	4	4	4	4	4	4	4	4	4	4
68.75°	5	5	5	5	5	4	4	4	4	4	4
67.5°	6	5	5	5	5	5	5	5	5	5	5
66.25°	7	7	7	6	6	6	6	6	6	6	6
65°	8	8	8	8	8	7	7	7	7	7	7
63.75°	9	9	9	9	9	9	8	8	8	8	8
62.5°	10	10	10	10	10	10	10	9	9	9	9
61.25°	12	12	12	11	11	11	11	11	10	10	10
60°	13	13	13	13	13	13	12	12	12	12	11
58.75°	16	15	15	15	15	14	14	14	13	13	13
57.5°	18	18	18	17	17	17	16	16	16	15	15
56.25°	21	21	21	20	20	20	19	18	18	18	17
55°	25	25	24	24	23	23	22	22	21	20	20
53.75°	30	29	29	28	27	27	26	25	25	24	23
52.5°	34	34	33	33	32	31	31	30	29	28	26
51.25°	40	40	39	38	37	36	35	34	33	32	31
50°	47	46	45	44	43	42	41	40	38	37	35
48.75°	55	54	53	51	50	49	47	46	44	43	41
47.5°	63	62	61	60	58	57	55	53	51	49	47
46.25°	73	72	71	69	67	65	63	61	59	57	54
45°	84	83	82	80	78	75	73	70	67	64	62
43.75°	98	96	94	92	89	86	84	81	78	74	71
42.5°	113	111	109	106	103	100	96	92	88	85	81
41.25°	130	127	124	121	117	114	110	106	102	97	92
40°	148	146	142	139	135	131	126	120	115	110	105
38.75°	169	166	162	157	153	148	143	137	132	125	119
37.5°	191	188	184	179	174	168	161	155	148	142	135
36.25°	216	212	207	201	195	189	182	175	167	159	151
35°	243	238	233	227	220	212	204	195	187	179	170



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	272	267	260	253	246	238	229	219	209	198	189
32.5°	303	297	290	283	274	264	254	244	233	222	210
31.25°	335	329	321	312	303	293	282	270	258	245	233
30°	369	362	354	344	334	322	310	298	285	271	256
28.75°	401	394	387	377	366	354	341	326	312	297	282
27.5°	431	424	416	407	396	385	371	356	340	324	307
26.25°	460	454	445	436	425	413	400	386	369	352	334
25°	486	480	472	463	453	440	427	412	397	380	361
23.75°	512	505	497	488	478	466	453	438	422	405	387
22.5°	537	530	521	512	501	489	477	463	447	429	411
21.25°	563	555	546	536	524	512	499	485	469	453	434
20°	589	581	571	560	548	534	520	505	490	473	455
18.75°	616	607	596	584	571	557	542	526	509	492	475
17.5°	642	632	621	608	594	579	563	546	529	511	492
16.25°	668	657	645	631	617	601	584	566	548	529	509
15°	695	683	670	655	639	622	604	585	566	546	526
13.75°	721	709	695	678	661	643	624	604	584	563	542
12.5°	743	732	718	701	683	663	643	622	601	579	557
11.25°	763	752	738	723	704	683	661	639	617	594	571
10°	781	769	756	740	723	701	678	655	631	608	584
8.75°	797	785	772	756	738	718	695	670	645	621	596
7.5°	811	799	785	769	752	732	709	683	657	632	607
6.25°	824	811	797	781	763	743	721	695	668	642	616
5°	833	822	807	791	772	752	730	705	678	650	623
3.75°	837	829	815	798	780	760	738	713	685	657	629
2.5°	840	834	820	804	785	765	743	718	690	662	634
1.25°	840	835	823	807	788	768	746	722	694	665	636
0°	841	836	824	808	790	769	747	723	695	666	637
-1.25°	840	835	823	807	788	768	746	722	694	665	636
-2.5°	840	834	820	804	785	765	743	718	690	662	634
-3.75°	837	829	815	798	780	760	738	713	685	657	629
-5°	833	822	807	791	772	752	730	705	678	650	623
-6.25°	824	811	797	781	763	743	721	695	668	642	616
-7.5°	811	799	785	769	752	732	709	683	657	632	607
-8.75°	797	785	772	756	738	718	695	670	645	621	596
-10°	781	769	756	740	723	701	678	655	631	608	584
-11.25°	763	752	738	723	704	683	661	639	617	594	571
-12.5°	743	732	718	701	683	663	643	622	601	579	557
-13.75°	721	709	695	678	661	643	624	604	584	563	542
-15°	695	683	670	655	639	622	604	585	566	546	526
-16.25°	668	657	645	631	617	601	584	566	548	529	509
-17.5°	642	632	621	608	594	579	563	546	529	511	492
-18.75°	616	607	596	584	571	557	542	526	509	492	475
-20°	589	581	571	560	548	534	520	505	490	473	455
-21.25°	563	555	546	536	524	512	499	485	469	453	434



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	537	530	521	512	501	489	477	463	447	429	411
-23.75°	512	505	497	488	478	466	453	438	422	405	387
-25°	486	480	472	463	453	440	427	412	397	380	361
-26.25°	460	454	445	436	425	413	400	386	369	352	334
-27.5°	431	424	416	407	396	385	371	356	340	324	307
-28.75°	401	394	387	377	366	354	341	326	312	297	282
-30°	369	362	354	344	334	322	310	298	285	271	256
-31.25°	335	329	321	312	303	293	282	270	258	245	233
-32.5°	303	297	290	283	274	264	254	244	233	222	210
-33.75°	272	267	260	253	246	238	229	219	209	198	189
-35°	243	238	233	227	220	212	204	195	187	179	170
-36.25°	216	212	207	201	195	189	182	175	167	159	151
-37.5°	191	188	184	179	174	168	161	155	148	142	135
-38.75°	169	166	162	157	153	148	143	137	132	125	119
-40°	148	146	142	139	135	131	126	120	115	110	105
-41.25°	130	127	124	121	117	114	110	106	102	97	92
-42.5°	113	111	109	106	103	100	96	92	88	85	81
-43.75°	98	96	94	92	89	86	84	81	78	74	71
-45°	84	83	82	80	78	75	73	70	67	64	62
-46.25°	73	72	71	69	67	65	63	61	59	57	54
-47.5°	63	62	61	60	58	57	55	53	51	49	47
-48.75°	55	54	53	51	50	49	47	46	44	43	41
-50°	47	46	45	44	43	42	41	40	38	37	35
-51.25°	40	40	39	38	37	36	35	34	33	32	31
-52.5°	34	34	33	33	32	31	31	30	29	28	26
-53.75°	30	29	29	28	27	27	26	25	25	24	23
-55°	25	25	24	24	23	23	22	22	21	20	20
-56.25°	21	21	21	20	20	20	19	18	18	18	17
-57.5°	18	18	18	17	17	17	16	16	16	15	15
-58.75°	16	15	15	15	15	14	14	14	13	13	13
-60°	13	13	13	13	13	13	12	12	12	12	11
-61.25°	12	12	12	11	11	11	11	11	10	10	10
-62.5°	10	10	10	10	10	10	10	9	9	9	9
-63.75°	9	9	9	9	9	9	8	8	8	8	8
-65°	8	8	8	8	8	7	7	7	7	7	7
-66.25°	7	7	7	6	6	6	6	6	6	6	6
-67.5°	6	5	5	5	5	5	5	5	5	5	5
-68.75°	5	5	5	5	5	4	4	4	4	4	4
-70°	4	4	4	4	4	4	4	4	4	4	4
-71.25°	4	4	4	4	3	3	3	3	3	3	3
-72.5°	3	3	3	3	3	3	3	3	3	3	3
-73.75°	3	3	3	3	3	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	2	2	2	2	2	2	2	2	2	2	2
-80°	2	2	2	2	2	2	2	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	2	2	2	2	2	2	2	2	2	1	1
77.5°	2	2	2	2	2	2	2	2	2	2	2
76.25°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	3	3	3	3	3	3	3	2	2	2	2
71.25°	3	3	3	3	3	3	3	3	3	3	3
70°	4	4	3	3	3	3	3	3	3	3	3
68.75°	4	4	4	4	4	4	4	4	3	3	3
67.5°	5	5	4	4	4	4	4	4	4	4	4
66.25°	5	5	5	5	5	5	5	4	4	4	4
65°	6	6	6	6	6	5	5	5	5	5	5
63.75°	8	7	7	7	7	6	6	6	6	5	5
62.5°	9	8	8	8	8	7	7	7	7	6	6
61.25°	10	10	9	9	9	9	8	8	8	7	7
60°	11	11	10	10	10	10	9	9	9	8	8
58.75°	13	12	12	11	11	11	10	10	10	9	9
57.5°	14	14	13	13	13	12	12	11	11	10	10
56.25°	16	16	15	15	14	13	13	13	12	11	11
55°	19	18	18	17	16	15	15	14	13	13	12
53.75°	22	21	20	19	18	18	17	16	15	14	13
52.5°	25	24	23	22	21	20	19	18	17	16	15
51.25°	30	28	27	26	24	23	22	21	19	18	17
50°	34	33	31	30	28	26	25	24	22	21	19
48.75°	39	37	35	34	32	31	29	27	25	24	22
47.5°	45	43	41	39	37	35	33	31	29	27	25
46.25°	52	49	47	44	42	40	37	35	33	30	28
45°	59	56	53	50	47	45	42	39	37	34	32
43.75°	67	64	61	58	54	51	47	44	42	39	35
42.5°	77	73	69	65	61	58	54	50	46	43	40
41.25°	87	83	78	74	69	64	60	56	52	48	45
40°	100	94	88	83	78	73	68	63	59	54	50
38.75°	113	107	100	94	87	82	76	71	65	60	56
37.5°	128	120	113	106	99	92	85	79	73	67	62
36.25°	143	135	127	118	111	103	95	87	81	75	68
35°	160	151	142	133	124	114	106	98	90	83	76



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	179	168	158	148	138	128	117	109	100	91	83
32.5°	198	187	175	164	152	142	131	120	110	101	92
31.25°	220	206	193	181	168	155	144	133	121	111	101
30°	242	228	213	198	185	171	158	145	133	121	110
28.75°	265	249	234	218	202	187	173	158	145	133	120
27.5°	290	273	254	238	221	203	188	173	158	144	131
26.25°	314	296	277	258	240	222	203	187	171	155	142
25°	341	320	300	280	259	240	221	202	185	168	152
23.75°	367	345	323	301	280	258	238	218	198	181	164
22.5°	391	370	346	323	300	277	254	234	213	193	175
21.25°	413	393	370	345	320	296	273	249	228	206	187
20°	435	413	391	367	341	314	290	265	242	220	198
18.75°	455	434	411	387	361	334	307	282	256	233	210
17.5°	473	453	429	405	380	352	324	297	271	245	222
16.25°	490	469	447	422	397	369	340	312	285	258	233
15°	505	485	463	438	412	386	356	326	298	270	244
13.75°	520	499	477	453	427	400	371	341	310	282	254
12.5°	534	512	489	466	440	413	385	354	322	293	264
11.25°	548	524	501	478	453	425	396	366	334	303	274
10°	560	536	512	488	463	436	407	377	344	312	283
8.75°	571	546	521	497	472	445	416	387	354	321	290
7.5°	581	555	530	505	480	454	424	394	362	329	297
6.25°	589	563	537	512	486	460	431	401	369	335	303
5°	597	570	544	517	492	466	437	406	375	341	308
3.75°	602	575	548	522	496	470	441	411	379	345	311
2.5°	606	579	552	525	499	473	444	414	382	348	314
1.25°	609	581	554	527	501	475	446	416	384	350	316
0°	610	582	555	528	502	475	447	416	385	351	316
-1.25°	609	581	554	527	501	475	446	416	384	350	316
-2.5°	606	579	552	525	499	473	444	414	382	348	314
-3.75°	602	575	548	522	496	470	441	411	379	345	311
-5°	597	570	544	517	492	466	437	406	375	341	308
-6.25°	589	563	537	512	486	460	431	401	369	335	303
-7.5°	581	555	530	505	480	454	424	394	362	329	297
-8.75°	571	546	521	497	472	445	416	387	354	321	290
-10°	560	536	512	488	463	436	407	377	344	312	283
-11.25°	548	524	501	478	453	425	396	366	334	303	274
-12.5°	534	512	489	466	440	413	385	354	322	293	264
-13.75°	520	499	477	453	427	400	371	341	310	282	254
-15°	505	485	463	438	412	386	356	326	298	270	244
-16.25°	490	469	447	422	397	369	340	312	285	258	233
-17.5°	473	453	429	405	380	352	324	297	271	245	222
-18.75°	455	434	411	387	361	334	307	282	256	233	210
-20°	435	413	391	367	341	314	290	265	242	220	198
-21.25°	413	393	370	345	320	296	273	249	228	206	187



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	391	370	346	323	300	277	254	234	213	193	175
-23.75°	367	345	323	301	280	258	238	218	198	181	164
-25°	341	320	300	280	259	240	221	202	185	168	152
-26.25°	314	296	277	258	240	222	203	187	171	155	142
-27.5°	290	273	254	238	221	203	188	173	158	144	131
-28.75°	265	249	234	218	202	187	173	158	145	133	120
-30°	242	228	213	198	185	171	158	145	133	121	110
-31.25°	220	206	193	181	168	155	144	133	121	111	101
-32.5°	198	187	175	164	152	142	131	120	110	101	92
-33.75°	179	168	158	148	138	128	117	109	100	91	83
-35°	160	151	142	133	124	114	106	98	90	83	76
-36.25°	143	135	127	118	111	103	95	87	81	75	68
-37.5°	128	120	113	106	99	92	85	79	73	67	62
-38.75°	113	107	100	94	87	82	76	71	65	60	56
-40°	100	94	88	83	78	73	68	63	59	54	50
-41.25°	87	83	78	74	69	64	60	56	52	48	45
-42.5°	77	73	69	65	61	58	54	50	46	43	40
-43.75°	67	64	61	58	54	51	47	44	42	39	35
-45°	59	56	53	50	47	45	42	39	37	34	32
-46.25°	52	49	47	44	42	40	37	35	33	30	28
-47.5°	45	43	41	39	37	35	33	31	29	27	25
-48.75°	39	37	35	34	32	31	29	27	25	24	22
-50°	34	33	31	30	28	26	25	24	22	21	19
-51.25°	30	28	27	26	24	23	22	21	19	18	17
-52.5°	25	24	23	22	21	20	19	18	17	16	15
-53.75°	22	21	20	19	18	18	17	16	15	14	13
-55°	19	18	18	17	16	15	15	14	13	13	12
-56.25°	16	16	15	15	14	13	13	13	12	11	11
-57.5°	14	14	13	13	13	12	12	11	11	10	10
-58.75°	13	12	12	11	11	11	10	10	10	9	9
-60°	11	11	10	10	10	10	9	9	9	8	8
-61.25°	10	10	9	9	9	9	8	8	8	7	7
-62.5°	9	8	8	8	8	7	7	7	7	6	6
-63.75°	8	7	7	7	7	6	6	6	6	5	5
-65°	6	6	6	6	6	5	5	5	5	5	5
-66.25°	5	5	5	5	5	5	5	4	4	4	4
-67.5°	5	5	4	4	4	4	4	4	4	4	4
-68.75°	4	4	4	4	4	4	4	4	3	3	3
-70°	4	4	3	3	3	3	3	3	3	3	3
-71.25°	3	3	3	3	3	3	3	3	3	3	3
-72.5°	3	3	3	3	3	3	3	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	2	2	2	2	2	2	2	2	2	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	0	0	0	0	0	0	0	0	0
83.75°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	2	2	2	2	2	1	1	1	1	1	1
76.25°	2	2	2	2	2	2	2	2	2	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
73.75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	2	2	2	2	2
71.25°	3	2	2	2	2	2	2	2	2	2	2
70°	3	3	3	3	3	2	2	2	2	2	2
68.75°	3	3	3	3	3	3	3	3	2	2	2
67.5°	4	3	3	3	3	3	3	3	3	3	3
66.25°	4	4	4	4	3	3	3	3	3	3	3
65°	4	4	4	4	4	4	4	3	3	3	3
63.75°	5	5	5	4	4	4	4	4	4	3	3
62.5°	6	5	5	5	5	4	4	4	4	4	4
61.25°	7	6	6	6	5	5	5	4	4	4	4
60°	8	7	7	6	6	6	5	5	5	4	4
58.75°	9	8	8	7	7	6	6	6	5	5	5
57.5°	9	9	9	8	8	7	7	6	6	5	5
56.25°	10	10	10	9	9	8	8	7	7	6	6
55°	12	11	10	10	10	9	9	8	7	7	6
53.75°	13	12	12	11	10	10	9	9	8	8	7
52.5°	14	13	13	12	11	11	10	10	9	8	8
51.25°	16	15	14	13	13	12	11	10	10	9	9
50°	18	17	16	15	14	13	12	11	11	10	9
48.75°	21	19	18	17	15	14	13	12	12	11	10
47.5°	23	22	20	18	17	16	15	13	13	12	11
46.25°	26	24	23	21	19	17	16	15	14	13	12
45°	30	27	25	23	21	19	18	16	15	14	13
43.75°	33	31	28	26	24	22	20	18	16	15	14
42.5°	37	34	31	29	26	24	22	20	18	16	15
41.25°	41	38	35	32	29	26	24	22	20	18	16
40°	46	42	39	35	32	29	26	24	22	19	17
38.75°	51	47	43	39	35	32	29	26	24	21	19
37.5°	57	52	47	43	39	35	32	29	26	23	21
36.25°	62	57	52	47	43	39	35	31	28	25	23
35°	69	63	57	52	47	42	38	34	31	27	24



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	76	69	62	57	51	46	41	37	33	30	26
32.5°	83	76	68	62	56	50	45	40	35	32	28
31.25°	91	83	75	67	60	54	48	43	39	34	30
30°	100	90	81	73	65	59	52	46	42	37	33
28.75°	109	98	87	79	71	63	56	50	44	39	35
27.5°	117	106	95	85	76	68	60	54	47	42	37
26.25°	128	114	103	92	82	73	64	58	51	45	40
25°	138	124	111	99	87	78	69	61	54	47	42
23.75°	148	133	118	106	94	83	74	65	58	50	44
22.5°	158	142	127	113	100	88	78	69	61	53	47
21.25°	168	151	135	120	107	94	83	73	64	56	49
20°	179	160	143	128	113	100	87	77	67	59	52
18.75°	189	170	151	135	119	105	92	81	71	62	54
17.5°	198	179	159	142	125	110	97	85	74	64	57
16.25°	209	187	167	148	132	115	102	88	78	67	59
15°	219	195	175	155	137	120	106	92	81	70	61
13.75°	229	204	182	161	143	126	110	96	84	73	63
12.5°	238	212	189	168	148	131	114	100	86	75	65
11.25°	246	220	195	174	153	135	117	103	89	78	67
10°	253	227	201	179	157	139	121	106	92	80	69
8.75°	260	233	207	184	162	142	124	109	94	82	71
7.5°	267	238	212	188	166	146	127	111	96	83	72
6.25°	272	243	216	191	169	148	130	113	98	84	73
5°	277	247	220	194	172	150	132	114	100	86	74
3.75°	280	250	223	196	174	152	134	116	101	86	75
2.5°	283	252	225	198	175	153	135	116	102	87	76
1.25°	284	253	226	199	176	154	135	117	102	87	76
0°	285	254	226	199	177	154	136	117	102	88	76
-1.25°	284	253	226	199	176	154	135	117	102	87	76
-2.5°	283	252	225	198	175	153	135	116	102	87	76
-3.75°	280	250	223	196	174	152	134	116	101	86	75
-5°	277	247	220	194	172	150	132	114	100	86	74
-6.25°	272	243	216	191	169	148	130	113	98	84	73
-7.5°	267	238	212	188	166	146	127	111	96	83	72
-8.75°	260	233	207	184	162	142	124	109	94	82	71
-10°	253	227	201	179	157	139	121	106	92	80	69
-11.25°	246	220	195	174	153	135	117	103	89	78	67
-12.5°	238	212	189	168	148	131	114	100	86	75	65
-13.75°	229	204	182	161	143	126	110	96	84	73	63
-15°	219	195	175	155	137	120	106	92	81	70	61
-16.25°	209	187	167	148	132	115	102	88	78	67	59
-17.5°	198	179	159	142	125	110	97	85	74	64	57
-18.75°	189	170	151	135	119	105	92	81	71	62	54
-20°	179	160	143	128	113	100	87	77	67	59	52
-21.25°	168	151	135	120	107	94	83	73	64	56	49



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	158	142	127	113	100	88	78	69	61	53	47
-23.75°	148	133	118	106	94	83	74	65	58	50	44
-25°	138	124	111	99	87	78	69	61	54	47	42
-26.25°	128	114	103	92	82	73	64	58	51	45	40
-27.5°	117	106	95	85	76	68	60	54	47	42	37
-28.75°	109	98	87	79	71	63	56	50	44	39	35
-30°	100	90	81	73	65	59	52	46	42	37	33
-31.25°	91	83	75	67	60	54	48	43	39	34	30
-32.5°	83	76	68	62	56	50	45	40	35	32	28
-33.75°	76	69	62	57	51	46	41	37	33	30	26
-35°	69	63	57	52	47	42	38	34	31	27	24
-36.25°	62	57	52	47	43	39	35	31	28	25	23
-37.5°	57	52	47	43	39	35	32	29	26	23	21
-38.75°	51	47	43	39	35	32	29	26	24	21	19
-40°	46	42	39	35	32	29	26	24	22	19	17
-41.25°	41	38	35	32	29	26	24	22	20	18	16
-42.5°	37	34	31	29	26	24	22	20	18	16	15
-43.75°	33	31	28	26	24	22	20	18	16	15	14
-45°	30	27	25	23	21	19	18	16	15	14	13
-46.25°	26	24	23	21	19	17	16	15	14	13	12
-47.5°	23	22	20	18	17	16	15	13	13	12	11
-48.75°	21	19	18	17	15	14	13	12	12	11	10
-50°	18	17	16	15	14	13	12	11	11	10	9
-51.25°	16	15	14	13	13	12	11	10	10	9	9
-52.5°	14	13	13	12	11	11	10	10	9	8	8
-53.75°	13	12	12	11	10	10	9	9	8	8	7
-55°	12	11	10	10	10	9	9	8	7	7	6
-56.25°	10	10	10	9	9	8	8	7	7	6	6
-57.5°	9	9	9	8	8	7	7	6	6	5	5
-58.75°	9	8	8	7	7	6	6	6	5	5	5
-60°	8	7	7	6	6	6	5	5	5	4	4
-61.25°	7	6	6	6	5	5	5	4	4	4	4
-62.5°	6	5	5	5	5	4	4	4	4	4	4
-63.75°	5	5	5	4	4	4	4	4	4	3	3
-65°	4	4	4	4	4	4	4	3	3	3	3
-66.25°	4	4	4	4	3	3	3	3	3	3	3
-67.5°	4	3	3	3	3	3	3	3	3	3	3
-68.75°	3	3	3	3	3	3	3	3	2	2	2
-70°	3	3	3	3	3	2	2	2	2	2	2
-71.25°	3	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-73.75°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-76.25°	2	2	2	2	2	2	2	2	2	1	1
-77.5°	2	2	2	2	2	1	1	1	1	1	1



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-83.75°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	1	1	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	0	0	0
81.25°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
78.75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	1	1	1	1	1	1	1	1	1
73.75°	2	2	2	2	2	1	1	1	1	1	1
72.5°	2	2	2	2	2	2	2	1	1	1	1
71.25°	2	2	2	2	2	2	2	2	2	1	1
70°	2	2	2	2	2	2	2	2	2	2	2
68.75°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	3	3	2	2	2	2	2	2	2	2	2
65°	3	3	3	3	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	2	2	2	2
61.25°	4	4	3	3	3	3	3	3	2	2	2
60°	4	4	4	3	3	3	3	3	3	2	2
58.75°	4	4	4	4	3	3	3	3	3	3	2
57.5°	5	4	4	4	4	4	3	3	3	3	3
56.25°	5	5	5	4	4	4	4	3	3	3	3
55°	6	5	5	5	4	4	4	4	3	3	3
53.75°	7	6	5	5	5	4	4	4	4	3	3
52.5°	7	7	6	6	5	5	4	4	4	3	3
51.25°	8	7	7	6	6	5	5	4	4	4	3
50°	9	8	7	7	6	5	5	5	4	4	4
48.75°	9	9	8	7	7	6	5	5	4	4	4
47.5°	10	9	9	8	7	7	6	5	5	4	4
46.25°	11	10	9	9	8	7	6	6	5	5	4
45°	12	11	10	9	8	8	7	6	5	5	4
43.75°	13	12	11	10	9	8	7	7	6	5	5
42.5°	13	12	11	10	10	9	8	7	6	6	5
41.25°	15	13	12	11	10	9	9	8	7	6	5
40°	16	14	13	12	11	10	9	8	7	6	6
38.75°	17	15	14	13	11	10	10	9	8	7	6
37.5°	18	17	15	13	12	11	10	9	8	7	6
36.25°	20	18	16	14	13	12	10	10	9	8	7
35°	22	19	17	15	13	12	11	10	9	8	7



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	23	21	18	16	14	13	12	10	9	9	8
32.5°	25	22	19	17	15	13	12	11	10	9	8
31.25°	27	24	21	18	16	14	13	11	10	9	8
30°	29	25	22	19	17	15	13	12	11	10	9
28.75°	31	27	24	21	18	16	14	13	11	10	9
27.5°	33	29	25	22	19	17	15	13	12	10	9
26.25°	35	31	26	23	20	18	15	13	12	11	10
25°	37	32	28	24	21	18	16	14	13	11	10
23.75°	39	34	30	26	22	19	17	15	13	11	10
22.5°	41	35	31	27	23	20	18	15	13	12	10
21.25°	43	37	33	28	24	21	18	16	14	12	11
20°	45	39	34	30	25	22	19	16	14	13	11
18.75°	47	41	35	31	26	23	20	17	15	13	11
17.5°	49	43	37	32	28	24	20	18	15	13	12
16.25°	51	44	38	33	29	25	21	18	16	13	12
15°	53	46	40	34	30	25	22	18	16	14	12
13.75°	55	47	41	35	31	26	22	19	16	14	12
12.5°	57	49	42	36	31	27	23	20	17	14	13
11.25°	58	50	43	37	32	27	23	20	17	15	13
10°	60	51	44	38	33	28	24	20	17	15	13
8.75°	61	53	45	39	33	29	24	21	18	15	13
7.5°	62	54	46	40	34	29	25	21	18	15	13
6.25°	63	55	47	40	34	30	25	21	18	16	13
5°	64	55	47	41	35	30	25	22	18	16	13
3.75°	64	56	48	41	35	30	25	22	18	16	14
2.5°	65	56	48	41	35	30	26	22	18	16	14
1.25°	65	56	48	42	35	30	26	22	18	16	14
0°	65	57	48	42	35	31	26	22	19	16	14
-1.25°	65	56	48	42	35	30	26	22	18	16	14
-2.5°	65	56	48	41	35	30	26	22	18	16	14
-3.75°	64	56	48	41	35	30	25	22	18	16	14
-5°	64	55	47	41	35	30	25	22	18	16	13
-6.25°	63	55	47	40	34	30	25	21	18	16	13
-7.5°	62	54	46	40	34	29	25	21	18	15	13
-8.75°	61	53	45	39	33	29	24	21	18	15	13
-10°	60	51	44	38	33	28	24	20	17	15	13
-11.25°	58	50	43	37	32	27	23	20	17	15	13
-12.5°	57	49	42	36	31	27	23	20	17	14	13
-13.75°	55	47	41	35	31	26	22	19	16	14	12
-15°	53	46	40	34	30	25	22	18	16	14	12
-16.25°	51	44	38	33	29	25	21	18	16	13	12
-17.5°	49	43	37	32	28	24	20	18	15	13	12
-18.75°	47	41	35	31	26	23	20	17	15	13	11
-20°	45	39	34	30	25	22	19	16	14	13	11
-21.25°	43	37	33	28	24	21	18	16	14	12	11



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	41	35	31	27	23	20	18	15	13	12	10
-23.75°	39	34	30	26	22	19	17	15	13	11	10
-25°	37	32	28	24	21	18	16	14	13	11	10
-26.25°	35	31	26	23	20	18	15	13	12	11	10
-27.5°	33	29	25	22	19	17	15	13	12	10	9
-28.75°	31	27	24	21	18	16	14	13	11	10	9
-30°	29	25	22	19	17	15	13	12	11	10	9
-31.25°	27	24	21	18	16	14	13	11	10	9	8
-32.5°	25	22	19	17	15	13	12	11	10	9	8
-33.75°	23	21	18	16	14	13	12	10	9	9	8
-35°	22	19	17	15	13	12	11	10	9	8	7
-36.25°	20	18	16	14	13	12	10	10	9	8	7
-37.5°	18	17	15	13	12	11	10	9	8	7	6
-38.75°	17	15	14	13	11	10	10	9	8	7	6
-40°	16	14	13	12	11	10	9	8	7	6	6
-41.25°	15	13	12	11	10	9	9	8	7	6	5
-42.5°	13	12	11	10	10	9	8	7	6	6	5
-43.75°	13	12	11	10	9	8	7	7	6	5	5
-45°	12	11	10	9	8	8	7	6	5	5	4
-46.25°	11	10	9	9	8	7	6	6	5	5	4
-47.5°	10	9	9	8	7	7	6	5	5	4	4
-48.75°	9	9	8	7	7	6	5	5	4	4	4
-50°	9	8	7	7	6	5	5	5	4	4	4
-51.25°	8	7	7	6	6	5	5	4	4	4	3
-52.5°	7	7	6	6	5	5	4	4	4	3	3
-53.75°	7	6	5	5	5	4	4	4	4	3	3
-55°	6	5	5	5	4	4	4	4	3	3	3
-56.25°	5	5	5	4	4	4	4	3	3	3	3
-57.5°	5	4	4	4	4	4	3	3	3	3	3
-58.75°	4	4	4	4	3	3	3	3	3	3	2
-60°	4	4	4	3	3	3	3	3	3	2	2
-61.25°	4	4	3	3	3	3	3	3	2	2	2
-62.5°	3	3	3	3	3	3	3	2	2	2	2
-63.75°	3	3	3	3	3	2	2	2	2	2	2
-65°	3	3	3	3	2	2	2	2	2	2	2
-66.25°	3	3	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-71.25°	2	2	2	2	2	2	2	2	2	1	1
-72.5°	2	2	2	2	2	2	2	1	1	1	1
-73.75°	2	2	2	2	2	1	1	1	1	1	1
-75°	2	2	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-81.25°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	0	0	0
-83.75°	1	1	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	7	6	5	4	4	4	3	3	3	2	2
32.5°	7	6	5	5	4	4	3	3	3	2	2
31.25°	7	6	5	5	4	4	3	3	3	2	2
30°	8	7	6	5	4	4	3	3	3	2	2
28.75°	8	7	6	5	4	4	4	3	3	2	2
27.5°	8	7	6	5	5	4	4	3	3	3	2
26.25°	9	7	6	5	5	4	4	3	3	3	2
25°	9	8	7	6	5	4	4	3	3	3	2
23.75°	9	8	7	6	5	4	4	3	3	3	2
22.5°	9	8	7	6	5	4	4	3	3	3	2
21.25°	10	8	7	6	5	5	4	4	3	3	2
20°	10	9	8	6	5	5	4	4	3	3	2
18.75°	10	9	8	7	6	5	4	4	3	3	3
17.5°	10	9	8	7	6	5	4	4	3	3	3
16.25°	10	9	8	7	6	5	4	4	3	3	3
15°	11	9	8	7	6	5	4	4	3	3	3
13.75°	11	10	8	7	6	5	4	4	3	3	3
12.5°	11	10	9	7	6	5	4	4	3	3	3
11.25°	11	10	9	8	6	5	5	4	3	3	3
10°	11	10	9	8	6	5	5	4	4	3	3
8.75°	12	10	9	8	7	5	5	4	4	3	3
7.5°	12	10	9	8	7	5	5	4	4	3	3
6.25°	12	10	9	8	7	6	5	4	4	3	3
5°	12	10	9	8	7	6	5	4	4	3	3
3.75°	12	10	9	8	7	6	5	4	4	3	3
2.5°	12	10	9	8	7	6	5	4	4	3	3
1.25°	12	10	9	8	7	6	5	4	4	3	3
0°	12	10	9	8	7	6	5	4	4	3	3
-1.25°	12	10	9	8	7	6	5	4	4	3	3
-2.5°	12	10	9	8	7	6	5	4	4	3	3
-3.75°	12	10	9	8	7	6	5	4	4	3	3
-5°	12	10	9	8	7	6	5	4	4	3	3
-6.25°	12	10	9	8	7	6	5	4	4	3	3
-7.5°	12	10	9	8	7	5	5	4	4	3	3
-8.75°	12	10	9	8	7	5	5	4	4	3	3
-10°	11	10	9	8	6	5	5	4	4	3	3
-11.25°	11	10	9	8	6	5	5	4	3	3	3
-12.5°	11	10	9	7	6	5	4	4	3	3	3
-13.75°	11	10	8	7	6	5	4	4	3	3	3
-15°	11	9	8	7	6	5	4	4	3	3	3
-16.25°	10	9	8	7	6	5	4	4	3	3	3
-17.5°	10	9	8	7	6	5	4	4	3	3	3
-18.75°	10	9	8	7	6	5	4	4	3	3	3
-20°	10	9	8	6	5	5	4	4	3	3	2
-21.25°	10	8	7	6	5	5	4	4	3	3	2



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	1	1	1	1	1	1	0	0	0	0	0
-80°	1	1	1	1	0	0	0	0	0	0	0
-81.25°	1	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-83.75°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-86.25°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-88.75°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	2	2	2	1	1	1	1	1	1	0	0
32.5°	2	2	2	1	1	1	1	1	1	0	0
31.25°	2	2	2	1	1	1	1	1	1	0	0
30°	2	2	2	2	1	1	1	1	1	0	0
28.75°	2	2	2	2	1	1	1	1	1	0	0
27.5°	2	2	2	2	1	1	1	1	1	0	0
26.25°	2	2	2	2	1	1	1	1	1	0	0
25°	2	2	2	2	1	1	1	1	1	0	0
23.75°	2	2	2	2	1	1	1	1	1	0	0
22.5°	2	2	2	2	1	1	1	1	1	0	0
21.25°	2	2	2	2	1	1	1	1	1	0	0
20°	2	2	2	2	1	1	1	1	1	0	0
18.75°	2	2	2	2	1	1	1	1	1	0	0
17.5°	2	2	2	2	1	1	1	1	1	0	0
16.25°	2	2	2	2	1	1	1	1	1	0	0
15°	2	2	2	2	1	1	1	1	1	0	0
13.75°	2	2	2	2	2	1	1	1	1	0	0
12.5°	2	2	2	2	2	1	1	1	1	0	0
11.25°	2	2	2	2	2	1	1	1	1	0	0
10°	2	2	2	2	2	1	1	1	1	0	0
8.75°	2	2	2	2	2	1	1	1	1	0	0
7.5°	2	2	2	2	2	1	1	1	1	0	0
6.25°	2	2	2	2	2	1	1	1	1	0	0
5°	2	2	2	2	2	1	1	1	1	0	0
3.75°	2	2	2	2	2	1	1	1	1	0	0
2.5°	2	2	2	2	2	1	1	1	1	0	0
1.25°	2	2	2	2	2	1	1	1	1	0	0
0°	2	2	2	2	2	1	1	1	1	0	0
-1.25°	2	2	2	2	2	1	1	1	1	0	0
-2.5°	2	2	2	2	2	1	1	1	1	0	0
-3.75°	2	2	2	2	2	1	1	1	1	0	0
-5°	2	2	2	2	2	1	1	1	1	0	0
-6.25°	2	2	2	2	2	1	1	1	1	0	0
-7.5°	2	2	2	2	2	1	1	1	1	0	0
-8.75°	2	2	2	2	2	1	1	1	1	0	0
-10°	2	2	2	2	2	1	1	1	1	0	0
-11.25°	2	2	2	2	2	1	1	1	1	0	0
-12.5°	2	2	2	2	2	1	1	1	1	0	0
-13.75°	2	2	2	2	2	1	1	1	1	0	0
-15°	2	2	2	2	1	1	1	1	1	0	0
-16.25°	2	2	2	2	1	1	1	1	1	0	0
-17.5°	2	2	2	2	1	1	1	1	1	0	0
-18.75°	2	2	2	2	1	1	1	1	1	0	0
-20°	2	2	2	2	1	1	1	1	1	0	0
-21.25°	2	2	2	2	1	1	1	1	1	0	0



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)