

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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

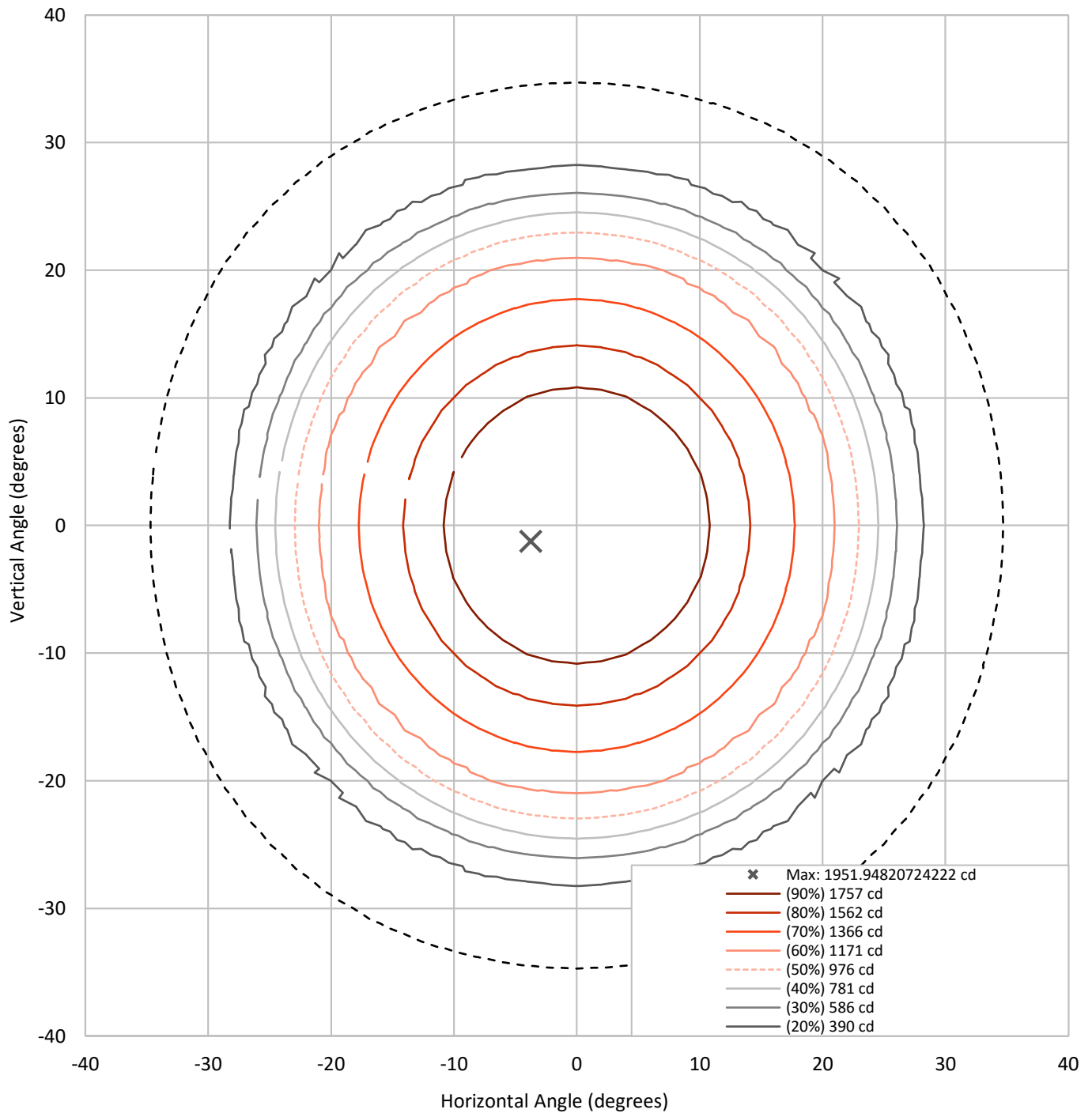
Test Method: LM-79-08
Report Number: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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:	4H x 4V
Luminaire Lumens:	1091.4 lumens	Max Intensity:	1951.9 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	54.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46°H x 45.5°V	Field Angle (10%):	69.2°H x 69°V
Beam Lumens:	737.8 lumens	Field Lumens:	1000 lumens
Beam Efficiency:	67.6%	Field Efficiency:	91.6%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

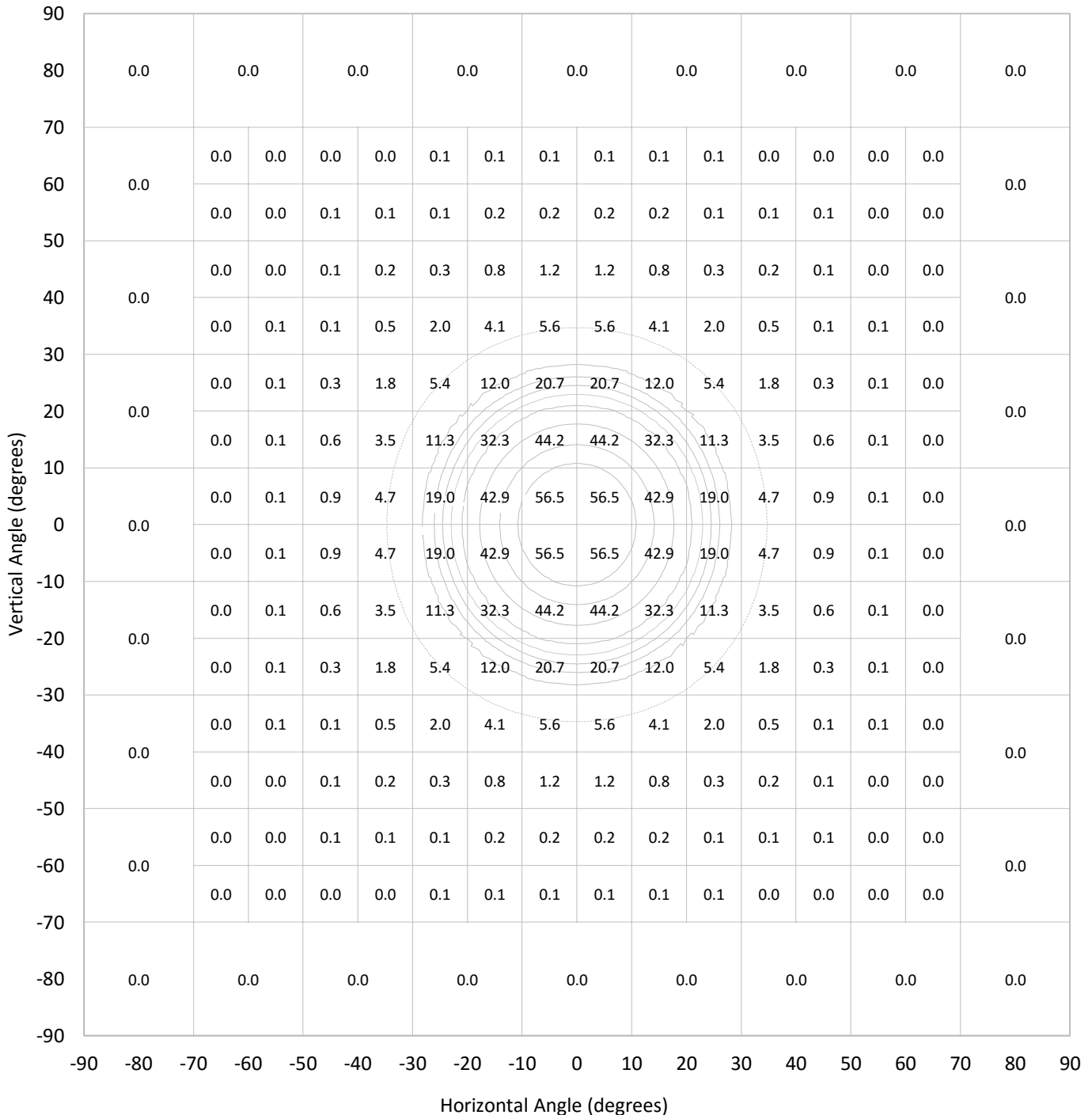
Iso-Candela Plot





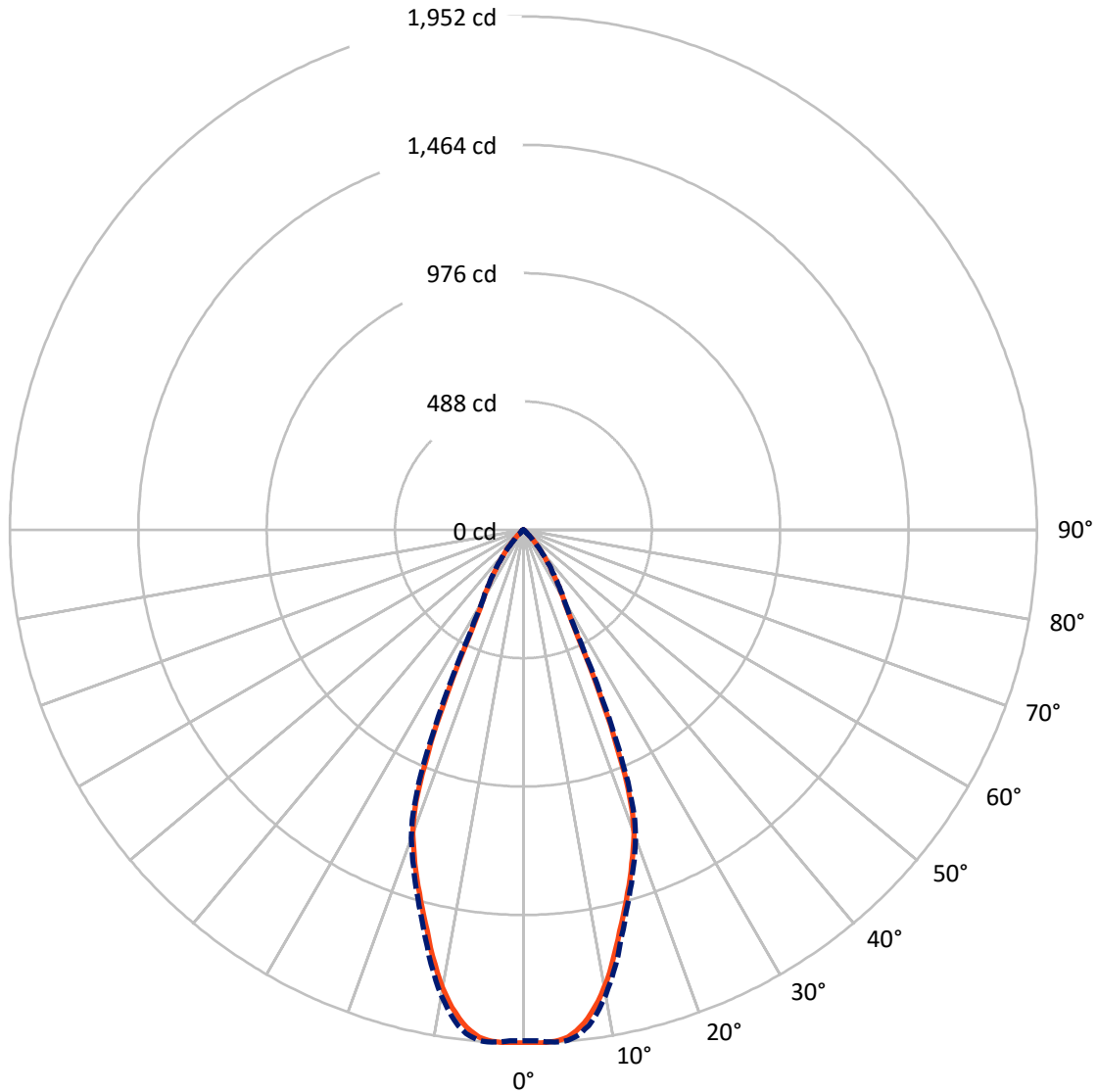
REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

Lumen Table



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

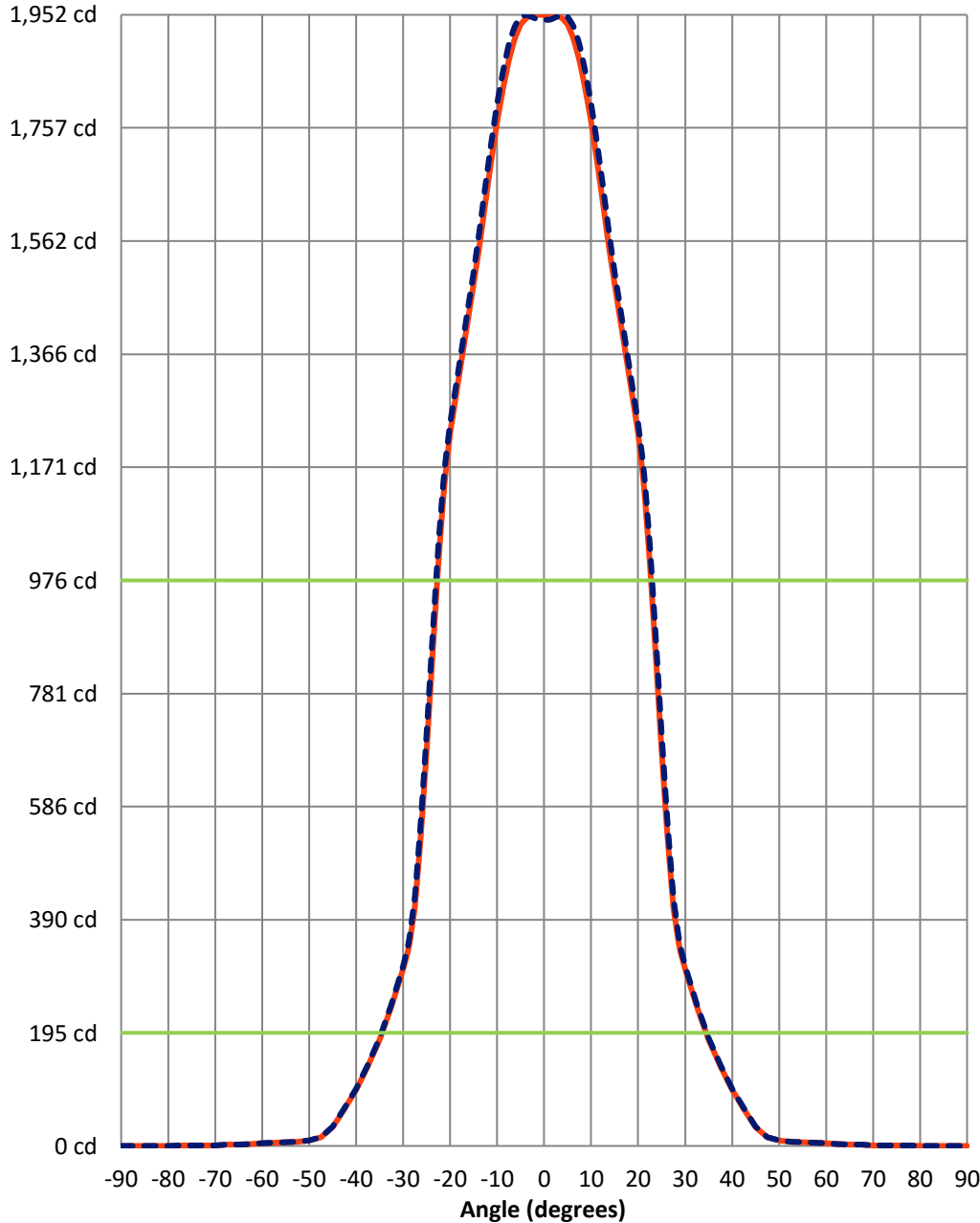
Luminous Intensity Polar Plot



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

REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 46°
 V Angle: 45.5°
 Lumens: 737.8
 Efficiency: 67.6%

Field:
 H Angle: 69.2°
 V Angle: 69°
 Lumens: 1000
 Efficiency: 91.6%

Spill:
 Lumens: 91.4
 Efficiency: 8.4%

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0	0	0	0	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	1
20°	0	0	0	0	0	0	0	0	0	0	1
18.75°	0	0	0	0	0	0	0	0	0	0	1
17.5°	0	0	0	0	0	0	0	0	0	0	1
16.25°	0	0	0	0	0	0	0	0	0	0	1
15°	0	0	0	0	0	0	0	0	0	0	1
13.75°	0	0	0	0	0	0	0	0	0	0	1
12.5°	0	0	0	0	0	0	0	0	0	0	1
11.25°	0	0	0	0	0	0	0	0	0	0	1
10°	0	0	0	0	0	0	0	0	0	0	1
8.75°	0	0	0	0	0	0	0	0	0	0	1
7.5°	0	0	0	0	0	0	0	0	0	0	1
6.25°	0	0	0	0	0	0	0	0	0	0	1
5°	0	0	0	0	0	0	0	0	0	0	1
3.75°	0	0	0	0	0	0	0	0	0	0	1
2.5°	0	0	0	0	0	0	0	0	0	0	1
1.25°	0	0	0	0	0	0	0	0	0	0	1
0°	0	0	0	0	0	0	0	0	0	0	1
-1.25°	0	0	0	0	0	0	0	0	0	0	1
-2.5°	0	0	0	0	0	0	0	0	0	0	1
-3.75°	0	0	0	0	0	0	0	0	0	0	1
-5°	0	0	0	0	0	0	0	0	0	0	1
-6.25°	0	0	0	0	0	0	0	0	0	0	1
-7.5°	0	0	0	0	0	0	0	0	0	0	1
-8.75°	0	0	0	0	0	0	0	0	0	0	1
-10°	0	0	0	0	0	0	0	0	0	0	1
-11.25°	0	0	0	0	0	0	0	0	0	0	1
-12.5°	0	0	0	0	0	0	0	0	0	0	1
-13.75°	0	0	0	0	0	0	0	0	0	0	1
-15°	0	0	0	0	0	0	0	0	0	0	1
-16.25°	0	0	0	0	0	0	0	0	0	0	1
-17.5°	0	0	0	0	0	0	0	0	0	0	1
-18.75°	0	0	0	0	0	0	0	0	0	0	1
-20°	0	0	0	0	0	0	0	0	0	0	1
-21.25°	0	0	0	0	0	0	0	0	0	0	1



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0	0	0	0	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	0	1	1	1	1	1	1	1	1	1	2
32.5°	1	1	1	1	1	1	1	1	1	1	2
31.25°	1	1	1	1	1	1	1	1	1	2	2
30°	1	1	1	1	1	1	1	1	1	2	2
28.75°	1	1	1	1	1	1	1	1	1	2	2
27.5°	1	1	1	1	1	1	1	1	1	2	2
26.25°	1	1	1	1	1	1	1	1	2	2	2
25°	1	1	1	1	1	1	1	1	2	2	2
23.75°	1	1	1	1	1	1	1	1	2	2	2
22.5°	1	1	1	1	1	1	1	1	2	2	2
21.25°	1	1	1	1	1	1	1	1	2	2	2
20°	1	1	1	1	1	1	1	1	2	2	2
18.75°	1	1	1	1	1	1	1	2	2	2	2
17.5°	1	1	1	1	1	1	1	2	2	2	2
16.25°	1	1	1	1	1	1	1	2	2	2	2
15°	1	1	1	1	1	1	1	2	2	2	2
13.75°	1	1	1	1	1	1	1	2	2	2	3
12.5°	1	1	1	1	1	1	1	2	2	2	3
11.25°	1	1	1	1	1	1	1	2	2	2	3
10°	1	1	1	1	1	1	1	2	2	2	3
8.75°	1	1	1	1	1	1	1	2	2	2	3
7.5°	1	1	1	1	1	1	1	2	2	2	3
6.25°	1	1	1	1	1	1	2	2	2	2	3
5°	1	1	1	1	1	1	2	2	2	2	3
3.75°	1	1	1	1	1	1	2	2	2	2	3
2.5°	1	1	1	1	1	1	2	2	2	2	3
1.25°	1	1	1	1	1	1	2	2	2	2	3
0°	1	1	1	1	1	1	2	2	2	2	3
-1.25°	1	1	1	1	1	1	2	2	2	2	3
-2.5°	1	1	1	1	1	1	2	2	2	2	3
-3.75°	1	1	1	1	1	1	2	2	2	2	3
-5°	1	1	1	1	1	1	2	2	2	2	3
-6.25°	1	1	1	1	1	1	2	2	2	2	3
-7.5°	1	1	1	1	1	1	1	2	2	2	3
-8.75°	1	1	1	1	1	1	1	2	2	2	3
-10°	1	1	1	1	1	1	1	2	2	2	3
-11.25°	1	1	1	1	1	1	1	2	2	2	3
-12.5°	1	1	1	1	1	1	1	2	2	2	3
-13.75°	1	1	1	1	1	1	1	2	2	2	3
-15°	1	1	1	1	1	1	1	2	2	2	2
-16.25°	1	1	1	1	1	1	1	2	2	2	2
-17.5°	1	1	1	1	1	1	1	2	2	2	2
-18.75°	1	1	1	1	1	1	1	2	2	2	2
-20°	1	1	1	1	1	1	1	1	2	2	2
-21.25°	1	1	1	1	1	1	1	1	2	2	2



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	1	1	1	1	1	1	1	1	2	2	2
-23.75°	1	1	1	1	1	1	1	1	2	2	2
-25°	1	1	1	1	1	1	1	1	2	2	2
-26.25°	1	1	1	1	1	1	1	1	2	2	2
-27.5°	1	1	1	1	1	1	1	1	1	2	2
-28.75°	1	1	1	1	1	1	1	1	1	2	2
-30°	1	1	1	1	1	1	1	1	1	2	2
-31.25°	1	1	1	1	1	1	1	1	1	2	2
-32.5°	1	1	1	1	1	1	1	1	1	1	2
-33.75°	0	1	1	1	1	1	1	1	1	1	2
-35°	0	1	1	1	1	1	1	1	1	1	2
-36.25°	0	1	1	1	1	1	1	1	1	1	1
-37.5°	0	1	1	1	1	1	1	1	1	1	1
-38.75°	0	1	1	1	1	1	1	1	1	1	1
-40°	0	0	1	1	1	1	1	1	1	1	1
-41.25°	0	0	1	1	1	1	1	1	1	1	1
-42.5°	0	0	1	1	1	1	1	1	1	1	1
-43.75°	0	0	1	1	1	1	1	1	1	1	1
-45°	0	0	0	1	1	1	1	1	1	1	1
-46.25°	0	0	0	1	1	1	1	1	1	1	1
-47.5°	0	0	0	1	1	1	1	1	1	1	1
-48.75°	0	0	0	0	1	1	1	1	1	1	1
-50°	0	0	0	0	1	1	1	1	1	1	1
-51.25°	0	0	0	0	1	1	1	1	1	1	1
-52.5°	0	0	0	0	0	1	1	1	1	1	1
-53.75°	0	0	0	0	0	1	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	0	1	1	1
-60°	0	0	0	0	0	0	0	0	1	1	1
-61.25°	0	0	0	0	0	0	0	0	0	1	1
-62.5°	0	0	0	0	0	0	0	0	0	0	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0	0	0	0	0	0	0	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	2	3	3	4	5	5	5	6	6	7	7
-23.75°	2	3	3	4	4	5	5	6	6	6	7
-25°	2	3	3	4	4	5	5	6	6	6	7
-26.25°	2	3	3	3	4	5	5	5	6	6	6
-27.5°	2	2	3	3	4	4	5	5	6	6	6
-28.75°	2	2	3	3	4	4	5	5	6	6	6
-30°	2	2	3	3	3	4	5	5	5	6	6
-31.25°	2	2	2	3	3	4	4	5	5	6	6
-32.5°	2	2	2	3	3	3	4	5	5	5	6
-33.75°	2	2	2	3	3	3	4	4	5	5	6
-35°	2	2	2	2	3	3	4	4	5	5	5
-36.25°	2	2	2	2	3	3	3	4	4	5	5
-37.5°	2	2	2	2	2	3	3	4	4	5	5
-38.75°	2	2	2	2	2	3	3	3	4	4	5
-40°	1	2	2	2	2	2	3	3	3	4	4
-41.25°	1	2	2	2	2	2	3	3	3	4	4
-42.5°	1	1	2	2	2	2	2	3	3	3	4
-43.75°	1	1	2	2	2	2	2	2	3	3	3
-45°	1	1	1	2	2	2	2	2	3	3	3
-46.25°	1	1	1	1	2	2	2	2	2	3	3
-47.5°	1	1	1	1	2	2	2	2	2	2	3
-48.75°	1	1	1	1	1	2	2	2	2	2	2
-50°	1	1	1	1	1	1	2	2	2	2	2
-51.25°	1	1	1	1	1	1	1	2	2	2	2
-52.5°	1	1	1	1	1	1	1	2	2	2	2
-53.75°	1	1	1	1	1	1	1	1	2	2	2
-55°	1	1	1	1	1	1	1	1	1	1	2
-56.25°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	1	1	1	1	1	1	1	1	1	1
-66.25°	0	0	1	1	1	1	1	1	1	1	1
-67.5°	0	0	0	0	1	1	1	1	1	1	1
-68.75°	0	0	0	0	0	1	1	1	1	1	1
-70°	0	0	0	0	0	0	0	1	1	1	1
-71.25°	0	0	0	0	0	0	0	0	0	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	6	6	6	7	7	7	8	9	11	12	14
32.5°	6	6	7	7	7	8	9	10	12	14	18
31.25°	6	6	7	7	8	9	10	12	14	17	23
30°	6	7	7	7	8	9	11	13	15	22	28
28.75°	7	7	7	8	9	10	12	15	20	27	33
27.5°	7	7	8	8	9	11	14	17	24	31	42
26.25°	7	7	8	9	10	13	15	22	29	38	50
25°	7	7	8	9	12	14	19	26	33	46	59
23.75°	7	8	9	10	13	15	22	30	40	53	66
22.5°	7	8	9	11	14	18	26	34	48	61	74
21.25°	8	9	10	12	15	22	30	41	54	68	82
20°	8	9	11	13	17	25	33	47	61	75	89
18.75°	8	9	12	14	20	28	39	53	67	82	96
17.5°	9	10	12	15	23	31	44	58	73	88	104
16.25°	9	11	13	17	26	34	49	63	79	94	111
15°	9	11	14	19	28	39	54	68	84	99	118
13.75°	9	12	15	22	30	43	58	73	89	106	125
12.5°	10	12	15	24	32	47	62	78	93	112	131
11.25°	10	13	17	26	35	50	66	82	98	117	137
10°	11	13	18	27	38	53	69	85	102	122	142
8.75°	11	14	20	29	41	56	72	88	106	126	147
7.5°	11	14	21	30	43	59	75	91	110	130	151
6.25°	12	15	22	31	45	61	77	94	113	133	155
5°	12	15	23	32	47	62	79	96	115	136	158
3.75°	12	15	23	33	48	64	80	97	117	138	161
2.5°	12	15	24	33	49	65	81	98	119	139	162
1.25°	12	15	24	33	49	65	82	99	119	140	163
0°	12	15	24	34	49	65	82	99	120	141	164
-1.25°	12	15	24	33	49	65	82	99	119	140	163
-2.5°	12	15	24	33	49	65	81	98	119	139	162
-3.75°	12	15	23	33	48	64	80	97	117	138	161
-5°	12	15	23	32	47	62	79	96	115	136	158
-6.25°	12	15	22	31	45	61	77	94	113	133	155
-7.5°	11	14	21	30	43	59	75	91	110	130	151
-8.75°	11	14	20	29	41	56	72	88	106	126	147
-10°	11	13	18	27	38	53	69	85	102	122	142
-11.25°	10	13	17	26	35	50	66	82	98	117	137
-12.5°	10	12	15	24	32	47	62	78	93	112	131
-13.75°	9	12	15	22	30	43	58	73	89	106	125
-15°	9	11	14	19	28	39	54	68	84	99	118
-16.25°	9	11	13	17	26	34	49	63	79	94	111
-17.5°	9	10	12	15	23	31	44	58	73	88	104
-18.75°	8	9	12	14	20	28	39	53	67	82	96
-20°	8	9	11	13	17	25	33	47	61	75	89
-21.25°	8	9	10	12	15	22	30	41	54	68	82



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	7	8	9	11	14	18	26	34	48	61	74
-23.75°	7	8	9	10	13	15	22	30	40	53	66
-25°	7	7	8	9	12	14	19	26	33	46	59
-26.25°	7	7	8	9	10	13	15	22	29	38	50
-27.5°	7	7	8	8	9	11	14	17	24	31	42
-28.75°	7	7	7	8	9	10	12	15	20	27	33
-30°	6	7	7	7	8	9	11	13	15	22	28
-31.25°	6	6	7	7	8	9	10	12	14	17	23
-32.5°	6	6	7	7	7	8	9	10	12	14	18
-33.75°	6	6	6	7	7	7	8	9	11	12	14
-35°	6	6	6	7	7	7	8	9	9	11	13
-36.25°	5	6	6	6	7	7	7	8	9	9	11
-37.5°	5	6	6	6	6	7	7	7	8	9	9
-38.75°	5	5	6	6	6	6	7	7	7	8	9
-40°	5	5	5	6	6	6	6	7	7	7	8
-41.25°	5	5	5	5	6	6	6	6	7	7	7
-42.5°	4	5	5	5	5	6	6	6	6	7	7
-43.75°	4	4	5	5	5	5	6	6	6	6	7
-45°	3	4	4	5	5	5	5	6	6	6	6
-46.25°	3	3	4	4	5	5	5	5	6	6	6
-47.5°	3	3	3	4	4	5	5	5	5	6	6
-48.75°	3	3	3	3	4	4	5	5	5	5	5
-50°	2	3	3	3	3	4	4	4	5	5	5
-51.25°	2	2	3	3	3	3	4	4	4	5	5
-52.5°	2	2	2	3	3	3	3	3	4	4	4
-53.75°	2	2	2	2	2	3	3	3	3	4	4
-55°	2	2	2	2	2	2	3	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	3	3	3
-57.5°	1	2	2	2	2	2	2	2	2	2	3
-58.75°	1	1	1	2	2	2	2	2	2	2	2
-60°	1	1	1	1	2	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	1	2	2	2
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	1	1	1	1	1	1	1	1	1	1
-73.75°	0	0	0	0	1	1	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	1	1	1
-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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	2	2	2	2
65°	1	1	1	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
61.25°	2	2	2	2	2	2	2	3	3	3	3
60°	2	2	2	2	3	3	3	3	3	3	3
58.75°	2	3	3	3	3	3	3	3	4	4	4
57.5°	3	3	3	3	3	4	4	4	4	4	5
56.25°	3	3	3	4	4	4	4	5	5	5	5
55°	4	4	4	4	5	5	5	5	5	5	5
53.75°	4	4	5	5	5	5	5	5	6	6	6
52.5°	5	5	5	5	5	6	6	6	6	6	6
51.25°	5	5	5	6	6	6	6	6	6	6	7
50°	5	6	6	6	6	6	6	6	7	7	7
48.75°	6	6	6	6	6	7	7	7	7	7	7
47.5°	6	6	6	6	7	7	7	7	7	8	8
46.25°	6	6	7	7	7	7	8	8	8	9	9
45°	7	7	7	7	7	8	8	9	9	10	11
43.75°	7	7	7	8	8	9	9	10	12	13	14
42.5°	7	7	8	9	9	10	11	13	14	15	18
41.25°	8	8	9	10	11	12	14	15	19	22	26
40°	9	9	10	12	13	15	17	22	26	30	34
38.75°	9	11	12	14	15	20	24	29	33	40	48
37.5°	11	12	14	17	22	27	31	38	46	53	61
36.25°	13	14	18	23	28	33	42	50	59	66	74
35°	14	18	24	29	36	45	54	63	71	80	88



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	18	24	30	37	47	56	66	75	84	93	102
32.5°	24	30	38	48	58	68	78	88	97	108	119
31.25°	29	37	48	59	69	80	90	100	112	124	135
30°	36	47	58	69	80	91	102	115	127	139	152
28.75°	45	56	68	80	91	103	116	130	143	157	170
27.5°	54	66	78	90	102	116	130	144	159	173	187
26.25°	63	75	88	100	115	130	144	160	175	191	209
25°	71	84	97	112	127	143	159	175	192	211	230
23.75°	80	93	108	124	139	157	173	191	211	231	251
22.5°	88	102	119	135	152	170	187	209	230	251	274
21.25°	96	112	129	146	165	183	204	227	249	273	296
20°	105	122	139	158	177	198	221	243	269	293	319
18.75°	113	131	150	169	189	213	236	262	288	314	343
17.5°	122	140	160	180	203	227	252	279	306	336	379
16.25°	130	149	169	190	216	241	268	296	325	366	433
15°	137	158	178	202	228	255	284	312	346	403	496
13.75°	145	166	187	213	240	268	298	329	375	455	568
12.5°	152	173	197	224	251	281	311	347	410	513	642
11.25°	158	180	206	233	262	293	325	371	453	573	713
10°	164	186	214	241	272	303	338	393	498	633	781
8.75°	169	193	221	249	281	313	354	427	544	688	843
7.5°	174	199	227	257	289	322	369	456	585	737	896
6.25°	178	204	233	263	296	331	383	483	624	782	941
5°	181	208	237	269	301	337	397	511	657	818	978
3.75°	183	212	241	273	306	343	413	533	683	847	1005
2.5°	185	214	243	276	309	349	424	548	701	867	1025
1.25°	186	215	245	278	311	353	431	558	712	879	1037
0°	187	216	245	278	311	354	433	561	716	883	1041
-1.25°	186	215	245	278	311	353	431	558	712	879	1037
-2.5°	185	214	243	276	309	349	424	548	701	867	1025
-3.75°	183	212	241	273	306	343	413	533	683	847	1005
-5°	181	208	237	269	301	337	397	511	657	818	978
-6.25°	178	204	233	263	296	331	383	483	624	782	941
-7.5°	174	199	227	257	289	322	369	456	585	737	896
-8.75°	169	193	221	249	281	313	354	427	544	688	843
-10°	164	186	214	241	272	303	338	393	498	633	781
-11.25°	158	180	206	233	262	293	325	371	453	573	713
-12.5°	152	173	197	224	251	281	311	347	410	513	642
-13.75°	145	166	187	213	240	268	298	329	375	455	568
-15°	137	158	178	202	228	255	284	312	346	403	496
-16.25°	130	149	169	190	216	241	268	296	325	366	433
-17.5°	122	140	160	180	203	227	252	279	306	336	379
-18.75°	113	131	150	169	189	213	236	262	288	314	343
-20°	105	122	139	158	177	198	221	243	269	293	319
-21.25°	96	112	129	146	165	183	204	227	249	273	296



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	88	102	119	135	152	170	187	209	230	251	274
-23.75°	80	93	108	124	139	157	173	191	211	231	251
-25°	71	84	97	112	127	143	159	175	192	211	230
-26.25°	63	75	88	100	115	130	144	160	175	191	209
-27.5°	54	66	78	90	102	116	130	144	159	173	187
-28.75°	45	56	68	80	91	103	116	130	143	157	170
-30°	36	47	58	69	80	91	102	115	127	139	152
-31.25°	29	37	48	59	69	80	90	100	112	124	135
-32.5°	24	30	38	48	58	68	78	88	97	108	119
-33.75°	18	24	30	37	47	56	66	75	84	93	102
-35°	14	18	24	29	36	45	54	63	71	80	88
-36.25°	13	14	18	23	28	33	42	50	59	66	74
-37.5°	11	12	14	17	22	27	31	38	46	53	61
-38.75°	9	11	12	14	15	20	24	29	33	40	48
-40°	9	9	10	12	13	15	17	22	26	30	34
-41.25°	8	8	9	10	11	12	14	15	19	22	26
-42.5°	7	7	8	9	9	10	11	13	14	15	18
-43.75°	7	7	7	8	8	9	9	10	12	13	14
-45°	7	7	7	7	7	8	8	9	9	10	11
-46.25°	6	6	7	7	7	7	8	8	8	9	9
-47.5°	6	6	6	6	7	7	7	7	7	8	8
-48.75°	6	6	6	6	6	7	7	7	7	7	7
-50°	5	6	6	6	6	6	6	6	7	7	7
-51.25°	5	5	5	6	6	6	6	6	6	6	7
-52.5°	5	5	5	5	5	6	6	6	6	6	6
-53.75°	4	4	5	5	5	5	5	5	6	6	6
-55°	4	4	4	4	5	5	5	5	5	5	5
-56.25°	3	3	3	4	4	4	4	5	5	5	5
-57.5°	3	3	3	3	3	4	4	4	4	4	5
-58.75°	2	3	3	3	3	3	3	3	4	4	4
-60°	2	2	2	2	3	3	3	3	3	3	3
-61.25°	2	2	2	2	2	2	2	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	1	1	1	2	2	2	2	2	2	2	2
-66.25°	1	1	1	1	1	1	1	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	0	0	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	2	2	2	2	2	2	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	3	3	3	3	3	3	3	4	4	4	4
60°	3	4	4	4	4	4	4	4	4	4	5
58.75°	4	4	4	5	5	5	5	5	5	5	5
57.5°	5	5	5	5	5	5	5	5	5	5	5
56.25°	5	5	5	5	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	6	6	6	6	6	6	6	6	7	7	7
52.5°	6	6	6	7	7	7	7	7	7	7	7
51.25°	7	7	7	7	7	7	7	7	8	8	8
50°	7	7	7	7	8	8	8	9	9	9	9
48.75°	8	8	8	9	9	9	9	10	10	11	11
47.5°	9	9	9	10	11	11	12	12	13	13	14
46.25°	10	11	12	12	13	14	15	15	17	18	20
45°	12	13	14	15	17	19	22	24	26	27	29
43.75°	15	17	20	23	26	28	30	32	35	38	41
42.5°	22	25	28	31	34	39	43	47	50	53	56
41.25°	30	33	39	44	49	54	58	62	66	69	72
40°	41	47	53	58	63	68	73	78	82	85	88
38.75°	54	61	67	73	79	84	89	93	98	102	106
37.5°	68	75	82	88	94	99	106	112	117	122	126
36.25°	82	89	96	104	111	118	125	131	137	142	147
35°	96	105	113	122	130	137	145	152	158	164	169



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	112	122	131	140	149	158	166	173	180	186	193
32.5°	129	139	150	160	169	178	187	197	206	214	221
31.25°	146	158	169	180	190	202	213	224	233	241	249
30°	165	177	189	203	216	228	240	251	262	272	281
28.75°	183	198	213	227	241	255	268	281	293	303	313
27.5°	204	221	236	252	268	284	298	311	325	338	354
26.25°	227	243	262	279	296	312	329	347	371	393	427
25°	249	269	288	306	325	346	375	410	453	498	544
23.75°	273	293	314	336	366	403	455	513	573	633	688
22.5°	296	319	343	379	433	496	568	642	713	781	843
21.25°	320	348	388	453	530	613	699	782	861	931	992
20°	348	391	463	551	645	741	836	922	1001	1068	1122
18.75°	388	463	558	661	767	871	967	1052	1122	1176	1213
17.5°	453	551	661	776	889	993	1086	1156	1208	1245	1275
16.25°	530	645	767	889	1002	1103	1176	1226	1266	1300	1332
15°	613	741	871	993	1103	1183	1235	1278	1318	1355	1389
13.75°	699	836	967	1086	1176	1235	1283	1327	1369	1408	1446
12.5°	782	922	1052	1156	1226	1278	1327	1374	1419	1462	1500
11.25°	861	1001	1122	1208	1266	1318	1369	1419	1467	1510	1555
10°	931	1068	1176	1245	1300	1355	1408	1462	1510	1561	1614
8.75°	992	1122	1213	1275	1332	1389	1446	1500	1555	1614	1670
7.5°	1043	1164	1241	1301	1361	1420	1479	1536	1599	1663	1721
6.25°	1087	1196	1263	1325	1386	1448	1507	1570	1640	1705	1764
5°	1118	1215	1281	1344	1406	1470	1533	1602	1674	1740	1799
3.75°	1140	1230	1295	1359	1424	1488	1554	1628	1701	1767	1825
2.5°	1156	1240	1306	1371	1436	1500	1569	1646	1720	1787	1844
1.25°	1166	1247	1312	1377	1444	1508	1580	1657	1732	1799	1855
0°	1169	1249	1314	1379	1446	1511	1583	1661	1736	1803	1858
-1.25°	1166	1247	1312	1377	1444	1508	1580	1657	1732	1799	1855
-2.5°	1156	1240	1306	1371	1436	1500	1569	1646	1720	1787	1844
-3.75°	1140	1230	1295	1359	1424	1488	1554	1628	1701	1767	1825
-5°	1118	1215	1281	1344	1406	1470	1533	1602	1674	1740	1799
-6.25°	1087	1196	1263	1325	1386	1448	1507	1570	1640	1705	1764
-7.5°	1043	1164	1241	1301	1361	1420	1479	1536	1599	1663	1721
-8.75°	992	1122	1213	1275	1332	1389	1446	1500	1555	1614	1670
-10°	931	1068	1176	1245	1300	1355	1408	1462	1510	1561	1614
-11.25°	861	1001	1122	1208	1266	1318	1369	1419	1467	1510	1555
-12.5°	782	922	1052	1156	1226	1278	1327	1374	1419	1462	1500
-13.75°	699	836	967	1086	1176	1235	1283	1327	1369	1408	1446
-15°	613	741	871	993	1103	1183	1235	1278	1318	1355	1389
-16.25°	530	645	767	889	1002	1103	1176	1226	1266	1300	1332
-17.5°	453	551	661	776	889	993	1086	1156	1208	1245	1275
-18.75°	388	463	558	661	767	871	967	1052	1122	1176	1213
-20°	348	391	463	551	645	741	836	922	1001	1068	1122
-21.25°	320	348	388	453	530	613	699	782	861	931	992



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	296	319	343	379	433	496	568	642	713	781	843
-23.75°	273	293	314	336	366	403	455	513	573	633	688
-25°	249	269	288	306	325	346	375	410	453	498	544
-26.25°	227	243	262	279	296	312	329	347	371	393	427
-27.5°	204	221	236	252	268	284	298	311	325	338	354
-28.75°	183	198	213	227	241	255	268	281	293	303	313
-30°	165	177	189	203	216	228	240	251	262	272	281
-31.25°	146	158	169	180	190	202	213	224	233	241	249
-32.5°	129	139	150	160	169	178	187	197	206	214	221
-33.75°	112	122	131	140	149	158	166	173	180	186	193
-35°	96	105	113	122	130	137	145	152	158	164	169
-36.25°	82	89	96	104	111	118	125	131	137	142	147
-37.5°	68	75	82	88	94	99	106	112	117	122	126
-38.75°	54	61	67	73	79	84	89	93	98	102	106
-40°	41	47	53	58	63	68	73	78	82	85	88
-41.25°	30	33	39	44	49	54	58	62	66	69	72
-42.5°	22	25	28	31	34	39	43	47	50	53	56
-43.75°	15	17	20	23	26	28	30	32	35	38	41
-45°	12	13	14	15	17	19	22	24	26	27	29
-46.25°	10	11	12	12	13	14	15	15	17	18	20
-47.5°	9	9	9	10	11	11	12	12	13	13	14
-48.75°	8	8	8	9	9	9	9	10	10	11	11
-50°	7	7	7	7	8	8	8	9	9	9	9
-51.25°	7	7	7	7	7	7	7	7	8	8	8
-52.5°	6	6	6	7	7	7	7	7	7	7	7
-53.75°	6	6	6	6	6	6	6	6	7	7	7
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	5	5	5	5	6	6	6	6	6	6	6
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-58.75°	4	4	4	5	5	5	5	5	5	5	5
-60°	3	4	4	4	4	4	4	4	4	4	5
-61.25°	3	3	3	3	3	3	3	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	2	2	2	2	2	2	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	2	2	2	2	2	2	2	2	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	4	4	4	4	4
60°	5	5	5	5	5	5	5	5	5	5	5
58.75°	5	5	5	5	5	5	5	5	5	5	5
57.5°	6	6	6	6	6	6	6	6	6	6	6
56.25°	6	6	6	6	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	7	7	7	7	7	7	7	7	7	7	7
52.5°	7	7	7	7	7	7	7	7	7	7	7
51.25°	8	8	8	8	8	8	8	8	8	8	8
50°	9	9	9	10	10	10	10	10	10	10	9
48.75°	11	12	12	12	12	12	12	12	12	12	12
47.5°	14	15	15	15	15	15	15	15	15	15	15
46.25°	21	22	23	23	24	24	24	24	24	23	23
45°	30	31	32	33	33	33	34	33	33	33	32
43.75°	43	45	47	48	49	49	49	49	49	48	47
42.5°	59	61	62	64	65	65	65	65	65	64	62
41.25°	75	77	79	80	81	82	82	82	81	80	79
40°	91	94	96	97	98	99	99	99	98	97	96
38.75°	110	113	115	117	119	119	120	119	119	117	115
37.5°	130	133	136	138	139	140	141	140	139	138	136
36.25°	151	155	158	161	162	163	164	163	162	161	158
35°	174	178	181	183	185	186	187	186	185	183	181



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	199	204	208	212	214	215	216	215	214	212	208
32.5°	227	233	237	241	243	245	245	245	243	241	237
31.25°	257	263	269	273	276	278	278	278	276	273	269
30°	289	296	301	306	309	311	311	311	309	306	301
28.75°	322	331	337	343	349	353	354	353	349	343	337
27.5°	369	383	397	413	424	431	433	431	424	413	397
26.25°	456	483	511	533	548	558	561	558	548	533	511
25°	585	624	657	683	701	712	716	712	701	683	657
23.75°	737	782	818	847	867	879	883	879	867	847	818
22.5°	896	941	978	1005	1025	1037	1041	1037	1025	1005	978
21.25°	1043	1087	1118	1140	1156	1166	1169	1166	1156	1140	1118
20°	1164	1196	1215	1230	1240	1247	1249	1247	1240	1230	1215
18.75°	1241	1263	1281	1295	1306	1312	1314	1312	1306	1295	1281
17.5°	1301	1325	1344	1359	1371	1377	1379	1377	1371	1359	1344
16.25°	1361	1386	1406	1424	1436	1444	1446	1444	1436	1424	1406
15°	1420	1448	1470	1488	1500	1508	1511	1508	1500	1488	1470
13.75°	1479	1507	1533	1554	1569	1580	1583	1580	1569	1554	1533
12.5°	1536	1570	1602	1628	1646	1657	1661	1657	1646	1628	1602
11.25°	1599	1640	1674	1701	1720	1732	1736	1732	1720	1701	1674
10°	1663	1705	1740	1767	1787	1799	1803	1799	1787	1767	1740
8.75°	1721	1764	1799	1825	1844	1855	1858	1855	1844	1825	1799
7.5°	1772	1814	1848	1874	1892	1901	1905	1901	1892	1874	1848
6.25°	1814	1855	1889	1911	1926	1933	1935	1933	1926	1911	1889
5°	1848	1889	1918	1935	1944	1948	1950	1948	1944	1935	1918
3.75°	1874	1911	1935	1947	1951	1952	1951	1952	1951	1947	1935
2.5°	1892	1926	1944	1951	1951	1948	1946	1948	1951	1951	1944
1.25°	1901	1933	1948	1952	1948	1943	1943	1943	1948	1952	1948
0°	1905	1935	1950	1951	1946	1943	1949	1943	1946	1951	1950
-1.25°	1901	1933	1948	1952	1948	1943	1943	1943	1948	1952	1948
-2.5°	1892	1926	1944	1951	1951	1948	1946	1948	1951	1951	1944
-3.75°	1874	1911	1935	1947	1951	1952	1951	1952	1951	1947	1935
-5°	1848	1889	1918	1935	1944	1948	1950	1948	1944	1935	1918
-6.25°	1814	1855	1889	1911	1926	1933	1935	1933	1926	1911	1889
-7.5°	1772	1814	1848	1874	1892	1901	1905	1901	1892	1874	1848
-8.75°	1721	1764	1799	1825	1844	1855	1858	1855	1844	1825	1799
-10°	1663	1705	1740	1767	1787	1799	1803	1799	1787	1767	1740
-11.25°	1599	1640	1674	1701	1720	1732	1736	1732	1720	1701	1674
-12.5°	1536	1570	1602	1628	1646	1657	1661	1657	1646	1628	1602
-13.75°	1479	1507	1533	1554	1569	1580	1583	1580	1569	1554	1533
-15°	1420	1448	1470	1488	1500	1508	1511	1508	1500	1488	1470
-16.25°	1361	1386	1406	1424	1436	1444	1446	1444	1436	1424	1406
-17.5°	1301	1325	1344	1359	1371	1377	1379	1377	1371	1359	1344
-18.75°	1241	1263	1281	1295	1306	1312	1314	1312	1306	1295	1281
-20°	1164	1196	1215	1230	1240	1247	1249	1247	1240	1230	1215
-21.25°	1043	1087	1118	1140	1156	1166	1169	1166	1156	1140	1118



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	896	941	978	1005	1025	1037	1041	1037	1025	1005	978
-23.75°	737	782	818	847	867	879	883	879	867	847	818
-25°	585	624	657	683	701	712	716	712	701	683	657
-26.25°	456	483	511	533	548	558	561	558	548	533	511
-27.5°	369	383	397	413	424	431	433	431	424	413	397
-28.75°	322	331	337	343	349	353	354	353	349	343	337
-30°	289	296	301	306	309	311	311	311	309	306	301
-31.25°	257	263	269	273	276	278	278	278	276	273	269
-32.5°	227	233	237	241	243	245	245	245	243	241	237
-33.75°	199	204	208	212	214	215	216	215	214	212	208
-35°	174	178	181	183	185	186	187	186	185	183	181
-36.25°	151	155	158	161	162	163	164	163	162	161	158
-37.5°	130	133	136	138	139	140	141	140	139	138	136
-38.75°	110	113	115	117	119	119	120	119	119	117	115
-40°	91	94	96	97	98	99	99	99	98	97	96
-41.25°	75	77	79	80	81	82	82	82	81	80	79
-42.5°	59	61	62	64	65	65	65	65	65	64	62
-43.75°	43	45	47	48	49	49	49	49	49	48	47
-45°	30	31	32	33	33	33	34	33	33	33	32
-46.25°	21	22	23	23	24	24	24	24	24	23	23
-47.5°	14	15	15	15	15	15	15	15	15	15	15
-48.75°	11	12	12	12	12	12	12	12	12	12	12
-50°	9	9	9	10	10	10	10	10	10	10	9
-51.25°	8	8	8	8	8	8	8	8	8	8	8
-52.5°	7	7	7	7	7	7	7	7	7	7	7
-53.75°	7	7	7	7	7	7	7	7	7	7	7
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	6	6
-57.5°	6	6	6	6	6	6	6	6	6	6	6
-58.75°	5	5	5	5	5	5	5	5	5	5	5
-60°	5	5	5	5	5	5	5	5	5	5	5
-61.25°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	3	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	1	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	1	1	1	1	1	1	1	1	1	1	1
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	2	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
66.25°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
63.75°	3	3	3	3	3	3	3	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	3
61.25°	4	4	4	4	4	4	3	3	3	3	3
60°	5	5	5	4	4	4	4	4	4	4	4
58.75°	5	5	5	5	5	5	5	5	5	5	4
57.5°	6	6	5	5	5	5	5	5	5	5	5
56.25°	6	6	6	6	6	6	6	6	6	5	5
55°	6	6	6	6	6	6	6	6	6	6	6
53.75°	7	7	7	7	7	6	6	6	6	6	6
52.5°	7	7	7	7	7	7	7	7	7	7	6
51.25°	8	8	8	8	8	7	7	7	7	7	7
50°	9	9	9	9	9	9	8	8	8	7	7
48.75°	12	11	11	11	10	10	9	9	9	9	8
47.5°	15	14	14	13	13	12	12	11	11	10	9
46.25°	22	21	20	18	17	15	15	14	13	12	12
45°	31	30	29	27	26	24	22	19	17	15	14
43.75°	45	43	41	38	35	32	30	28	26	23	20
42.5°	61	59	56	53	50	47	43	39	34	31	28
41.25°	77	75	72	69	66	62	58	54	49	44	39
40°	94	91	88	85	82	78	73	68	63	58	53
38.75°	113	110	106	102	98	93	89	84	79	73	67
37.5°	133	130	126	122	117	112	106	99	94	88	82
36.25°	155	151	147	142	137	131	125	118	111	104	96
35°	178	174	169	164	158	152	145	137	130	122	113



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	204	199	193	186	180	173	166	158	149	140	131
32.5°	233	227	221	214	206	197	187	178	169	160	150
31.25°	263	257	249	241	233	224	213	202	190	180	169
30°	296	289	281	272	262	251	240	228	216	203	189
28.75°	331	322	313	303	293	281	268	255	241	227	213
27.5°	383	369	354	338	325	311	298	284	268	252	236
26.25°	483	456	427	393	371	347	329	312	296	279	262
25°	624	585	544	498	453	410	375	346	325	306	288
23.75°	782	737	688	633	573	513	455	403	366	336	314
22.5°	941	896	843	781	713	642	568	496	433	379	343
21.25°	1087	1043	992	931	861	782	699	613	530	453	388
20°	1196	1164	1122	1068	1001	922	836	741	645	551	463
18.75°	1263	1241	1213	1176	1122	1052	967	871	767	661	558
17.5°	1325	1301	1275	1245	1208	1156	1086	993	889	776	661
16.25°	1386	1361	1332	1300	1266	1226	1176	1103	1002	889	767
15°	1448	1420	1389	1355	1318	1278	1235	1183	1103	993	871
13.75°	1507	1479	1446	1408	1369	1327	1283	1235	1176	1086	967
12.5°	1570	1536	1500	1462	1419	1374	1327	1278	1226	1156	1052
11.25°	1640	1599	1555	1510	1467	1419	1369	1318	1266	1208	1122
10°	1705	1663	1614	1561	1510	1462	1408	1355	1300	1245	1176
8.75°	1764	1721	1670	1614	1555	1500	1446	1389	1332	1275	1213
7.5°	1814	1772	1721	1663	1599	1536	1479	1420	1361	1301	1241
6.25°	1855	1814	1764	1705	1640	1570	1507	1448	1386	1325	1263
5°	1889	1848	1799	1740	1674	1602	1533	1470	1406	1344	1281
3.75°	1911	1874	1825	1767	1701	1628	1554	1488	1424	1359	1295
2.5°	1926	1892	1844	1787	1720	1646	1569	1500	1436	1371	1306
1.25°	1933	1901	1855	1799	1732	1657	1580	1508	1444	1377	1312
0°	1935	1905	1858	1803	1736	1661	1583	1511	1446	1379	1314
-1.25°	1933	1901	1855	1799	1732	1657	1580	1508	1444	1377	1312
-2.5°	1926	1892	1844	1787	1720	1646	1569	1500	1436	1371	1306
-3.75°	1911	1874	1825	1767	1701	1628	1554	1488	1424	1359	1295
-5°	1889	1848	1799	1740	1674	1602	1533	1470	1406	1344	1281
-6.25°	1855	1814	1764	1705	1640	1570	1507	1448	1386	1325	1263
-7.5°	1814	1772	1721	1663	1599	1536	1479	1420	1361	1301	1241
-8.75°	1764	1721	1670	1614	1555	1500	1446	1389	1332	1275	1213
-10°	1705	1663	1614	1561	1510	1462	1408	1355	1300	1245	1176
-11.25°	1640	1599	1555	1510	1467	1419	1369	1318	1266	1208	1122
-12.5°	1570	1536	1500	1462	1419	1374	1327	1278	1226	1156	1052
-13.75°	1507	1479	1446	1408	1369	1327	1283	1235	1176	1086	967
-15°	1448	1420	1389	1355	1318	1278	1235	1183	1103	993	871
-16.25°	1386	1361	1332	1300	1266	1226	1176	1103	1002	889	767
-17.5°	1325	1301	1275	1245	1208	1156	1086	993	889	776	661
-18.75°	1263	1241	1213	1176	1122	1052	967	871	767	661	558
-20°	1196	1164	1122	1068	1001	922	836	741	645	551	463
-21.25°	1087	1043	992	931	861	782	699	613	530	453	388



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	941	896	843	781	713	642	568	496	433	379	343
-23.75°	782	737	688	633	573	513	455	403	366	336	314
-25°	624	585	544	498	453	410	375	346	325	306	288
-26.25°	483	456	427	393	371	347	329	312	296	279	262
-27.5°	383	369	354	338	325	311	298	284	268	252	236
-28.75°	331	322	313	303	293	281	268	255	241	227	213
-30°	296	289	281	272	262	251	240	228	216	203	189
-31.25°	263	257	249	241	233	224	213	202	190	180	169
-32.5°	233	227	221	214	206	197	187	178	169	160	150
-33.75°	204	199	193	186	180	173	166	158	149	140	131
-35°	178	174	169	164	158	152	145	137	130	122	113
-36.25°	155	151	147	142	137	131	125	118	111	104	96
-37.5°	133	130	126	122	117	112	106	99	94	88	82
-38.75°	113	110	106	102	98	93	89	84	79	73	67
-40°	94	91	88	85	82	78	73	68	63	58	53
-41.25°	77	75	72	69	66	62	58	54	49	44	39
-42.5°	61	59	56	53	50	47	43	39	34	31	28
-43.75°	45	43	41	38	35	32	30	28	26	23	20
-45°	31	30	29	27	26	24	22	19	17	15	14
-46.25°	22	21	20	18	17	15	15	14	13	12	12
-47.5°	15	14	14	13	13	12	12	11	11	10	9
-48.75°	12	11	11	11	10	10	9	9	9	9	8
-50°	9	9	9	9	9	9	8	8	8	7	7
-51.25°	8	8	8	8	8	7	7	7	7	7	7
-52.5°	7	7	7	7	7	7	7	7	7	7	6
-53.75°	7	7	7	7	7	6	6	6	6	6	6
-55°	6	6	6	6	6	6	6	6	6	6	6
-56.25°	6	6	6	6	6	6	6	6	6	5	5
-57.5°	6	6	5	5	5	5	5	5	5	5	5
-58.75°	5	5	5	5	5	5	5	5	5	5	4
-60°	5	5	5	4	4	4	4	4	4	4	4
-61.25°	4	4	4	4	4	4	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-63.75°	3	3	3	3	3	3	3	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-66.25°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-68.75°	2	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	1	1	0	0	0	0	0	0	0	0	0
76.25°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
73.75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
71.25°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	2	2	2	2	2	2	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	2	2	1
63.75°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	2	2	2	2	2	2	2	2	2
61.25°	3	3	3	3	3	3	2	2	2	2	2
60°	4	3	3	3	3	3	3	3	3	2	2
58.75°	4	4	4	4	4	3	3	3	3	3	3
57.5°	5	5	5	4	4	4	4	4	3	3	3
56.25°	5	5	5	5	5	5	4	4	4	4	3
55°	6	6	5	5	5	5	5	5	5	4	4
53.75°	6	6	6	6	6	5	5	5	5	5	5
52.5°	6	6	6	6	6	6	6	6	5	5	5
51.25°	7	7	7	6	6	6	6	6	6	6	5
50°	7	7	7	7	7	6	6	6	6	6	6
48.75°	8	8	7	7	7	7	7	7	6	6	6
47.5°	9	9	8	8	7	7	7	7	7	6	6
46.25°	11	10	9	9	8	8	8	7	7	7	7
45°	13	12	11	10	9	9	8	8	7	7	7
43.75°	17	15	14	13	12	10	9	9	8	8	7
42.5°	25	22	18	15	14	13	11	10	9	9	8
41.25°	33	30	26	22	19	15	14	12	11	10	9
40°	47	41	34	30	26	22	17	15	13	12	10
38.75°	61	54	48	40	33	29	24	20	15	14	12
37.5°	75	68	61	53	46	38	31	27	22	17	14
36.25°	89	82	74	66	59	50	42	33	28	23	18
35°	105	96	88	80	71	63	54	45	36	29	24



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	122	112	102	93	84	75	66	56	47	37	30
32.5°	139	129	119	108	97	88	78	68	58	48	38
31.25°	158	146	135	124	112	100	90	80	69	59	48
30°	177	165	152	139	127	115	102	91	80	69	58
28.75°	198	183	170	157	143	130	116	103	91	80	68
27.5°	221	204	187	173	159	144	130	116	102	90	78
26.25°	243	227	209	191	175	160	144	130	115	100	88
25°	269	249	230	211	192	175	159	143	127	112	97
23.75°	293	273	251	231	211	191	173	157	139	124	108
22.5°	319	296	274	251	230	209	187	170	152	135	119
21.25°	348	320	296	273	249	227	204	183	165	146	129
20°	391	348	319	293	269	243	221	198	177	158	139
18.75°	463	388	343	314	288	262	236	213	189	169	150
17.5°	551	453	379	336	306	279	252	227	203	180	160
16.25°	645	530	433	366	325	296	268	241	216	190	169
15°	741	613	496	403	346	312	284	255	228	202	178
13.75°	836	699	568	455	375	329	298	268	240	213	187
12.5°	922	782	642	513	410	347	311	281	251	224	197
11.25°	1001	861	713	573	453	371	325	293	262	233	206
10°	1068	931	781	633	498	393	338	303	272	241	214
8.75°	1122	992	843	688	544	427	354	313	281	249	221
7.5°	1164	1043	896	737	585	456	369	322	289	257	227
6.25°	1196	1087	941	782	624	483	383	331	296	263	233
5°	1215	1118	978	818	657	511	397	337	301	269	237
3.75°	1230	1140	1005	847	683	533	413	343	306	273	241
2.5°	1240	1156	1025	867	701	548	424	349	309	276	243
1.25°	1247	1166	1037	879	712	558	431	353	311	278	245
0°	1249	1169	1041	883	716	561	433	354	311	278	245
-1.25°	1247	1166	1037	879	712	558	431	353	311	278	245
-2.5°	1240	1156	1025	867	701	548	424	349	309	276	243
-3.75°	1230	1140	1005	847	683	533	413	343	306	273	241
-5°	1215	1118	978	818	657	511	397	337	301	269	237
-6.25°	1196	1087	941	782	624	483	383	331	296	263	233
-7.5°	1164	1043	896	737	585	456	369	322	289	257	227
-8.75°	1122	992	843	688	544	427	354	313	281	249	221
-10°	1068	931	781	633	498	393	338	303	272	241	214
-11.25°	1001	861	713	573	453	371	325	293	262	233	206
-12.5°	922	782	642	513	410	347	311	281	251	224	197
-13.75°	836	699	568	455	375	329	298	268	240	213	187
-15°	741	613	496	403	346	312	284	255	228	202	178
-16.25°	645	530	433	366	325	296	268	241	216	190	169
-17.5°	551	453	379	336	306	279	252	227	203	180	160
-18.75°	463	388	343	314	288	262	236	213	189	169	150
-20°	391	348	319	293	269	243	221	198	177	158	139
-21.25°	348	320	296	273	249	227	204	183	165	146	129



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	319	296	274	251	230	209	187	170	152	135	119
-23.75°	293	273	251	231	211	191	173	157	139	124	108
-25°	269	249	230	211	192	175	159	143	127	112	97
-26.25°	243	227	209	191	175	160	144	130	115	100	88
-27.5°	221	204	187	173	159	144	130	116	102	90	78
-28.75°	198	183	170	157	143	130	116	103	91	80	68
-30°	177	165	152	139	127	115	102	91	80	69	58
-31.25°	158	146	135	124	112	100	90	80	69	59	48
-32.5°	139	129	119	108	97	88	78	68	58	48	38
-33.75°	122	112	102	93	84	75	66	56	47	37	30
-35°	105	96	88	80	71	63	54	45	36	29	24
-36.25°	89	82	74	66	59	50	42	33	28	23	18
-37.5°	75	68	61	53	46	38	31	27	22	17	14
-38.75°	61	54	48	40	33	29	24	20	15	14	12
-40°	47	41	34	30	26	22	17	15	13	12	10
-41.25°	33	30	26	22	19	15	14	12	11	10	9
-42.5°	25	22	18	15	14	13	11	10	9	9	8
-43.75°	17	15	14	13	12	10	9	9	8	8	7
-45°	13	12	11	10	9	9	8	8	7	7	7
-46.25°	11	10	9	9	8	8	8	7	7	7	7
-47.5°	9	9	8	8	7	7	7	7	7	6	6
-48.75°	8	8	7	7	7	7	7	7	6	6	6
-50°	7	7	7	7	7	6	6	6	6	6	6
-51.25°	7	7	7	6	6	6	6	6	6	6	5
-52.5°	6	6	6	6	6	6	6	6	5	5	5
-53.75°	6	6	6	6	6	5	5	5	5	5	5
-55°	6	6	5	5	5	5	5	5	5	4	4
-56.25°	5	5	5	5	5	5	4	4	4	4	3
-57.5°	5	5	5	4	4	4	4	4	3	3	3
-58.75°	4	4	4	4	4	3	3	3	3	3	3
-60°	4	3	3	3	3	3	3	3	3	2	2
-61.25°	3	3	3	3	3	3	2	2	2	2	2
-62.5°	3	3	2	2	2	2	2	2	2	2	2
-63.75°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	1
-66.25°	2	2	2	2	2	2	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-76.25°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	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°	1	1	1	1	1	0	0	0	0	0	0
73.75°	1	1	1	1	1	1	1	1	1	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°	1	1	1	1	1	1	1	1	1	1	1
68.75°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
66.25°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
63.75°	2	2	1	1	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	1	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	2	1	1
58.75°	3	2	2	2	2	2	2	2	2	2	1
57.5°	3	3	3	2	2	2	2	2	2	2	2
56.25°	3	3	3	3	3	2	2	2	2	2	2
55°	4	4	3	3	3	3	3	2	2	2	2
53.75°	4	4	4	4	3	3	3	3	2	2	2
52.5°	5	5	4	4	4	3	3	3	3	3	2
51.25°	5	5	5	5	4	4	4	3	3	3	3
50°	6	5	5	5	5	4	4	4	3	3	3
48.75°	6	6	5	5	5	5	5	4	4	3	3
47.5°	6	6	6	6	5	5	5	5	4	4	3
46.25°	6	6	6	6	6	5	5	5	5	4	4
45°	7	7	6	6	6	6	5	5	5	5	4
43.75°	7	7	7	6	6	6	6	5	5	5	5
42.5°	7	7	7	7	6	6	6	6	5	5	5
41.25°	8	8	7	7	7	6	6	6	6	5	5
40°	9	9	8	7	7	7	6	6	6	6	5
38.75°	11	9	9	8	7	7	7	6	6	6	6
37.5°	12	11	9	9	8	7	7	7	6	6	6
36.25°	14	13	11	9	9	8	7	7	7	6	6
35°	18	14	13	11	9	9	8	7	7	7	6



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	24	18	14	12	11	9	8	7	7	7	6
32.5°	30	24	18	14	12	10	9	8	7	7	7
31.25°	37	29	23	17	14	12	10	9	8	7	7
30°	47	36	28	22	15	13	11	9	8	7	7
28.75°	56	45	33	27	20	15	12	10	9	8	7
27.5°	66	54	42	31	24	17	14	11	9	8	8
26.25°	75	63	50	38	29	22	15	13	10	9	8
25°	84	71	59	46	33	26	19	14	12	9	8
23.75°	93	80	66	53	40	30	22	15	13	10	9
22.5°	102	88	74	61	48	34	26	18	14	11	9
21.25°	112	96	82	68	54	41	30	22	15	12	10
20°	122	105	89	75	61	47	33	25	17	13	11
18.75°	131	113	96	82	67	53	39	28	20	14	12
17.5°	140	122	104	88	73	58	44	31	23	15	12
16.25°	149	130	111	94	79	63	49	34	26	17	13
15°	158	137	118	99	84	68	54	39	28	19	14
13.75°	166	145	125	106	89	73	58	43	30	22	15
12.5°	173	152	131	112	93	78	62	47	32	24	15
11.25°	180	158	137	117	98	82	66	50	35	26	17
10°	186	164	142	122	102	85	69	53	38	27	18
8.75°	193	169	147	126	106	88	72	56	41	29	20
7.5°	199	174	151	130	110	91	75	59	43	30	21
6.25°	204	178	155	133	113	94	77	61	45	31	22
5°	208	181	158	136	115	96	79	62	47	32	23
3.75°	212	183	161	138	117	97	80	64	48	33	23
2.5°	214	185	162	139	119	98	81	65	49	33	24
1.25°	215	186	163	140	119	99	82	65	49	33	24
0°	216	187	164	141	120	99	82	65	49	34	24
-1.25°	215	186	163	140	119	99	82	65	49	33	24
-2.5°	214	185	162	139	119	98	81	65	49	33	24
-3.75°	212	183	161	138	117	97	80	64	48	33	23
-5°	208	181	158	136	115	96	79	62	47	32	23
-6.25°	204	178	155	133	113	94	77	61	45	31	22
-7.5°	199	174	151	130	110	91	75	59	43	30	21
-8.75°	193	169	147	126	106	88	72	56	41	29	20
-10°	186	164	142	122	102	85	69	53	38	27	18
-11.25°	180	158	137	117	98	82	66	50	35	26	17
-12.5°	173	152	131	112	93	78	62	47	32	24	15
-13.75°	166	145	125	106	89	73	58	43	30	22	15
-15°	158	137	118	99	84	68	54	39	28	19	14
-16.25°	149	130	111	94	79	63	49	34	26	17	13
-17.5°	140	122	104	88	73	58	44	31	23	15	12
-18.75°	131	113	96	82	67	53	39	28	20	14	12
-20°	122	105	89	75	61	47	33	25	17	13	11
-21.25°	112	96	82	68	54	41	30	22	15	12	10



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	102	88	74	61	48	34	26	18	14	11	9
-23.75°	93	80	66	53	40	30	22	15	13	10	9
-25°	84	71	59	46	33	26	19	14	12	9	8
-26.25°	75	63	50	38	29	22	15	13	10	9	8
-27.5°	66	54	42	31	24	17	14	11	9	8	8
-28.75°	56	45	33	27	20	15	12	10	9	8	7
-30°	47	36	28	22	15	13	11	9	8	7	7
-31.25°	37	29	23	17	14	12	10	9	8	7	7
-32.5°	30	24	18	14	12	10	9	8	7	7	7
-33.75°	24	18	14	12	11	9	8	7	7	7	6
-35°	18	14	13	11	9	9	8	7	7	7	6
-36.25°	14	13	11	9	9	8	7	7	7	6	6
-37.5°	12	11	9	9	8	7	7	7	6	6	6
-38.75°	11	9	9	8	7	7	7	6	6	6	6
-40°	9	9	8	7	7	7	6	6	6	6	5
-41.25°	8	8	7	7	7	6	6	6	6	5	5
-42.5°	7	7	7	7	6	6	6	6	5	5	5
-43.75°	7	7	7	6	6	6	6	5	5	5	5
-45°	7	7	6	6	6	6	5	5	5	5	4
-46.25°	6	6	6	6	6	5	5	5	5	4	4
-47.5°	6	6	6	6	5	5	5	5	4	4	3
-48.75°	6	6	5	5	5	5	5	4	4	3	3
-50°	6	5	5	5	5	4	4	4	3	3	3
-51.25°	5	5	5	5	4	4	4	3	3	3	3
-52.5°	5	5	4	4	4	3	3	3	3	3	2
-53.75°	4	4	4	4	3	3	3	3	2	2	2
-55°	4	4	3	3	3	3	3	2	2	2	2
-56.25°	3	3	3	3	3	2	2	2	2	2	2
-57.5°	3	3	3	2	2	2	2	2	2	2	2
-58.75°	3	2	2	2	2	2	2	2	2	2	1
-60°	2	2	2	2	2	2	2	2	2	1	1
-61.25°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	2	1	1	1	1	1	1
-63.75°	2	2	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-71.25°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-73.75°	1	1	1	1	1	1	1	1	1	0	0
-75°	1	1	1	1	1	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	6	6	6	5	5	4	4	3	3	3	2
32.5°	6	6	6	5	5	5	4	3	3	3	2
31.25°	6	6	6	6	5	5	4	4	3	3	2
30°	7	6	6	6	5	5	5	4	3	3	3
28.75°	7	7	6	6	6	5	5	4	4	3	3
27.5°	7	7	6	6	6	5	5	4	4	3	3
26.25°	7	7	6	6	6	5	5	5	4	3	3
25°	7	7	7	6	6	6	5	5	4	4	3
23.75°	8	7	7	6	6	6	5	5	4	4	3
22.5°	8	7	7	7	6	6	5	5	5	4	3
21.25°	9	8	7	7	6	6	6	5	5	4	3
20°	9	8	7	7	6	6	6	5	5	4	4
18.75°	9	8	7	7	6	6	6	5	5	4	4
17.5°	10	9	7	7	7	6	6	5	5	5	4
16.25°	11	9	8	7	7	6	6	6	5	5	4
15°	11	9	8	7	7	6	6	6	5	5	4
13.75°	12	9	8	7	7	6	6	6	5	5	4
12.5°	12	10	9	7	7	6	6	6	5	5	4
11.25°	13	10	9	8	7	7	6	6	5	5	4
10°	13	11	9	8	7	7	6	6	5	5	4
8.75°	14	11	9	8	7	7	6	6	5	5	5
7.5°	14	11	9	8	7	7	6	6	6	5	5
6.25°	15	12	9	8	7	7	6	6	6	5	5
5°	15	12	9	8	7	7	6	6	6	5	5
3.75°	15	12	10	8	7	7	6	6	6	5	5
2.5°	15	12	10	8	7	7	6	6	6	5	5
1.25°	15	12	10	8	7	7	6	6	6	5	5
0°	15	12	10	8	7	7	6	6	6	5	5
-1.25°	15	12	10	8	7	7	6	6	6	5	5
-2.5°	15	12	10	8	7	7	6	6	6	5	5
-3.75°	15	12	10	8	7	7	6	6	6	5	5
-5°	15	12	9	8	7	7	6	6	6	5	5
-6.25°	15	12	9	8	7	7	6	6	6	5	5
-7.5°	14	11	9	8	7	7	6	6	6	5	5
-8.75°	14	11	9	8	7	7	6	6	5	5	5
-10°	13	11	9	8	7	7	6	6	5	5	4
-11.25°	13	10	9	8	7	7	6	6	5	5	4
-12.5°	12	10	9	7	7	6	6	6	5	5	4
-13.75°	12	9	8	7	7	6	6	6	5	5	4
-15°	11	9	8	7	7	6	6	6	5	5	4
-16.25°	11	9	8	7	7	6	6	6	5	5	4
-17.5°	10	9	7	7	7	6	6	5	5	5	4
-18.75°	9	8	7	7	6	6	6	5	5	4	4
-20°	9	8	7	7	6	6	6	5	5	4	4
-21.25°	9	8	7	7	6	6	6	5	5	4	3



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	8	7	7	7	6	6	5	5	5	4	3
-23.75°	8	7	7	6	6	6	5	5	4	4	3
-25°	7	7	7	6	6	6	5	5	4	4	3
-26.25°	7	7	6	6	6	5	5	5	4	3	3
-27.5°	7	7	6	6	6	5	5	4	4	3	3
-28.75°	7	7	6	6	6	5	5	4	4	3	3
-30°	7	6	6	6	5	5	5	4	3	3	3
-31.25°	6	6	6	6	5	5	4	4	3	3	2
-32.5°	6	6	6	5	5	5	4	3	3	3	2
-33.75°	6	6	6	5	5	4	4	3	3	3	2
-35°	6	6	5	5	5	4	4	3	3	2	2
-36.25°	6	5	5	5	4	4	3	3	3	2	2
-37.5°	6	5	5	5	4	4	3	3	2	2	2
-38.75°	5	5	5	4	4	3	3	3	2	2	2
-40°	5	5	4	4	3	3	3	2	2	2	2
-41.25°	5	5	4	4	3	3	3	2	2	2	2
-42.5°	5	4	4	3	3	3	2	2	2	2	2
-43.75°	4	4	3	3	3	2	2	2	2	2	2
-45°	4	3	3	3	3	2	2	2	2	2	1
-46.25°	3	3	3	3	2	2	2	2	2	1	1
-47.5°	3	3	3	2	2	2	2	2	2	1	1
-48.75°	3	3	2	2	2	2	2	2	1	1	1
-50°	3	2	2	2	2	2	2	1	1	1	1
-51.25°	2	2	2	2	2	2	1	1	1	1	1
-52.5°	2	2	2	2	2	2	1	1	1	1	1
-53.75°	2	2	2	2	2	1	1	1	1	1	1
-55°	2	2	2	1	1	1	1	1	1	1	1
-56.25°	2	2	1	1	1	1	1	1	1	1	1
-57.5°	2	1	1	1	1	1	1	1	1	1	1
-58.75°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-61.25°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-63.75°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-66.25°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	0	0
-68.75°	1	1	1	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	0	0	0	0	0
-71.25°	1	1	1	1	0	0	0	0	0	0	0
-72.5°	1	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	2	2	2	1	1	1	1	1	1	1	1
32.5°	2	2	2	1	1	1	1	1	1	1	1
31.25°	2	2	2	2	1	1	1	1	1	1	1
30°	2	2	2	2	1	1	1	1	1	1	1
28.75°	2	2	2	2	1	1	1	1	1	1	1
27.5°	2	2	2	2	1	1	1	1	1	1	1
26.25°	3	2	2	2	2	1	1	1	1	1	1
25°	3	2	2	2	2	1	1	1	1	1	1
23.75°	3	2	2	2	2	1	1	1	1	1	1
22.5°	3	2	2	2	2	1	1	1	1	1	1
21.25°	3	3	2	2	2	1	1	1	1	1	1
20°	3	3	2	2	2	1	1	1	1	1	1
18.75°	3	3	2	2	2	2	1	1	1	1	1
17.5°	3	3	2	2	2	2	1	1	1	1	1
16.25°	3	3	2	2	2	2	1	1	1	1	1
15°	3	3	2	2	2	2	1	1	1	1	1
13.75°	3	3	3	2	2	2	1	1	1	1	1
12.5°	4	3	3	2	2	2	1	1	1	1	1
11.25°	4	3	3	2	2	2	1	1	1	1	1
10°	4	3	3	2	2	2	1	1	1	1	1
8.75°	4	3	3	2	2	2	1	1	1	1	1
7.5°	4	3	3	2	2	2	1	1	1	1	1
6.25°	4	3	3	2	2	2	2	1	1	1	1
5°	4	3	3	2	2	2	2	1	1	1	1
3.75°	4	3	3	2	2	2	2	1	1	1	1
2.5°	4	3	3	2	2	2	2	1	1	1	1
1.25°	4	3	3	2	2	2	2	1	1	1	1
0°	4	3	3	2	2	2	2	1	1	1	1
-1.25°	4	3	3	2	2	2	2	1	1	1	1
-2.5°	4	3	3	2	2	2	2	1	1	1	1
-3.75°	4	3	3	2	2	2	2	1	1	1	1
-5°	4	3	3	2	2	2	2	1	1	1	1
-6.25°	4	3	3	2	2	2	2	1	1	1	1
-7.5°	4	3	3	2	2	2	1	1	1	1	1
-8.75°	4	3	3	2	2	2	1	1	1	1	1
-10°	4	3	3	2	2	2	1	1	1	1	1
-11.25°	4	3	3	2	2	2	1	1	1	1	1
-12.5°	4	3	3	2	2	2	1	1	1	1	1
-13.75°	3	3	3	2	2	2	1	1	1	1	1
-15°	3	3	2	2	2	2	1	1	1	1	1
-16.25°	3	3	2	2	2	2	1	1	1	1	1
-17.5°	3	3	2	2	2	2	1	1	1	1	1
-18.75°	3	3	2	2	2	2	1	1	1	1	1
-20°	3	3	2	2	2	1	1	1	1	1	1
-21.25°	3	3	2	2	2	1	1	1	1	1	1



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	3	2	2	2	2	1	1	1	1	1	1
-23.75°	3	2	2	2	2	1	1	1	1	1	1
-25°	3	2	2	2	2	1	1	1	1	1	1
-26.25°	3	2	2	2	2	1	1	1	1	1	1
-27.5°	2	2	2	2	1	1	1	1	1	1	1
-28.75°	2	2	2	2	1	1	1	1	1	1	1
-30°	2	2	2	2	1	1	1	1	1	1	1
-31.25°	2	2	2	2	1	1	1	1	1	1	1
-32.5°	2	2	2	1	1	1	1	1	1	1	1
-33.75°	2	2	2	1	1	1	1	1	1	1	1
-35°	2	2	2	1	1	1	1	1	1	1	1
-36.25°	2	2	1	1	1	1	1	1	1	1	1
-37.5°	2	2	1	1	1	1	1	1	1	1	1
-38.75°	2	2	1	1	1	1	1	1	1	1	1
-40°	2	1	1	1	1	1	1	1	1	1	1
-41.25°	2	1	1	1	1	1	1	1	1	1	1
-42.5°	1	1	1	1	1	1	1	1	1	1	1
-43.75°	1	1	1	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	0
-46.25°	1	1	1	1	1	1	1	1	1	1	0
-47.5°	1	1	1	1	1	1	1	1	1	1	0
-48.75°	1	1	1	1	1	1	1	1	1	0	0
-50°	1	1	1	1	1	1	1	1	1	0	0
-51.25°	1	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	1	0	0	0
-53.75°	1	1	1	1	1	1	1	1	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	0	0	0	0	0	0
-60°	1	1	1	1	1	0	0	0	0	0	0
-61.25°	1	1	1	1	0	0	0	0	0	0	0
-62.5°	1	1	1	0	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	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°	1	0	0	0	0	0	0	0	0	0	0
37.5°	1	0	0	0	0	0	0	0	0	0	0
36.25°	1	0	0	0	0	0	0	0	0	0	0
35°	1	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	1	1	0	0	0	0	0	0	0	0	0
-23.75°	1	1	0	0	0	0	0	0	0	0	0
-25°	1	1	0	0	0	0	0	0	0	0	0
-26.25°	1	1	0	0	0	0	0	0	0	0	0
-27.5°	1	1	0	0	0	0	0	0	0	0	0
-28.75°	1	1	0	0	0	0	0	0	0	0	0
-30°	1	1	0	0	0	0	0	0	0	0	0
-31.25°	1	1	0	0	0	0	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0	0	0	0	0
-33.75°	1	0	0	0	0	0	0	0	0	0	0
-35°	1	0	0	0	0	0	0	0	0	0	0
-36.25°	1	0	0	0	0	0	0	0	0	0	0
-37.5°	1	0	0	0	0	0	0	0	0	0	0
-38.75°	1	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: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220562 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)