

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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

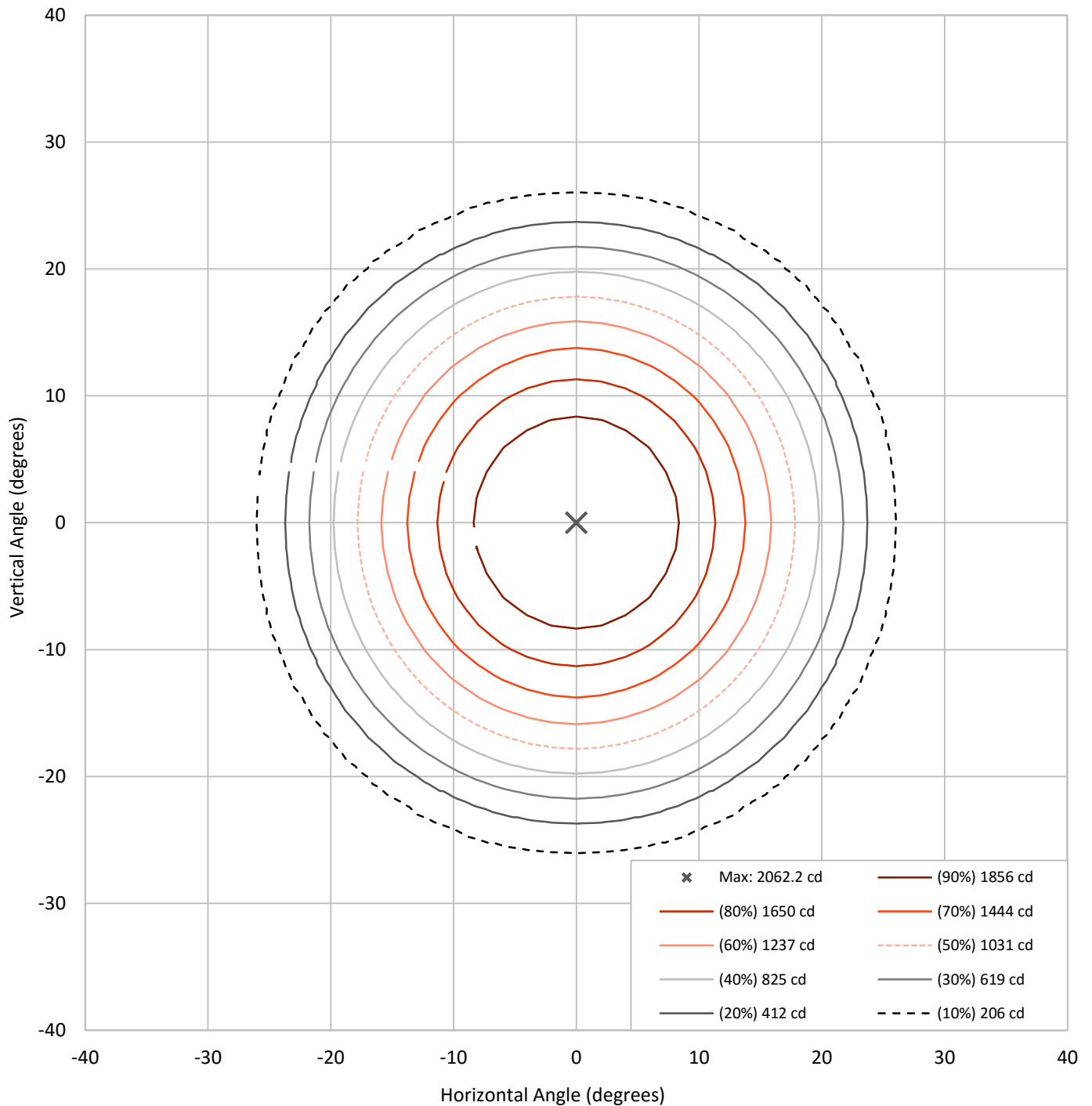
Test Method: LM-79-08
Report Number: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	706.8 lumens	Max Intensity:	2062.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	72.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.6°H x 35.6°V	Field Angle (10%):	52.1°H x 52.1°V
Beam Lumens:	471.3 lumens	Field Lumens:	663.4 lumens
Beam Efficiency:	66.7%	Field Efficiency:	93.9%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

Iso-Candela Plot





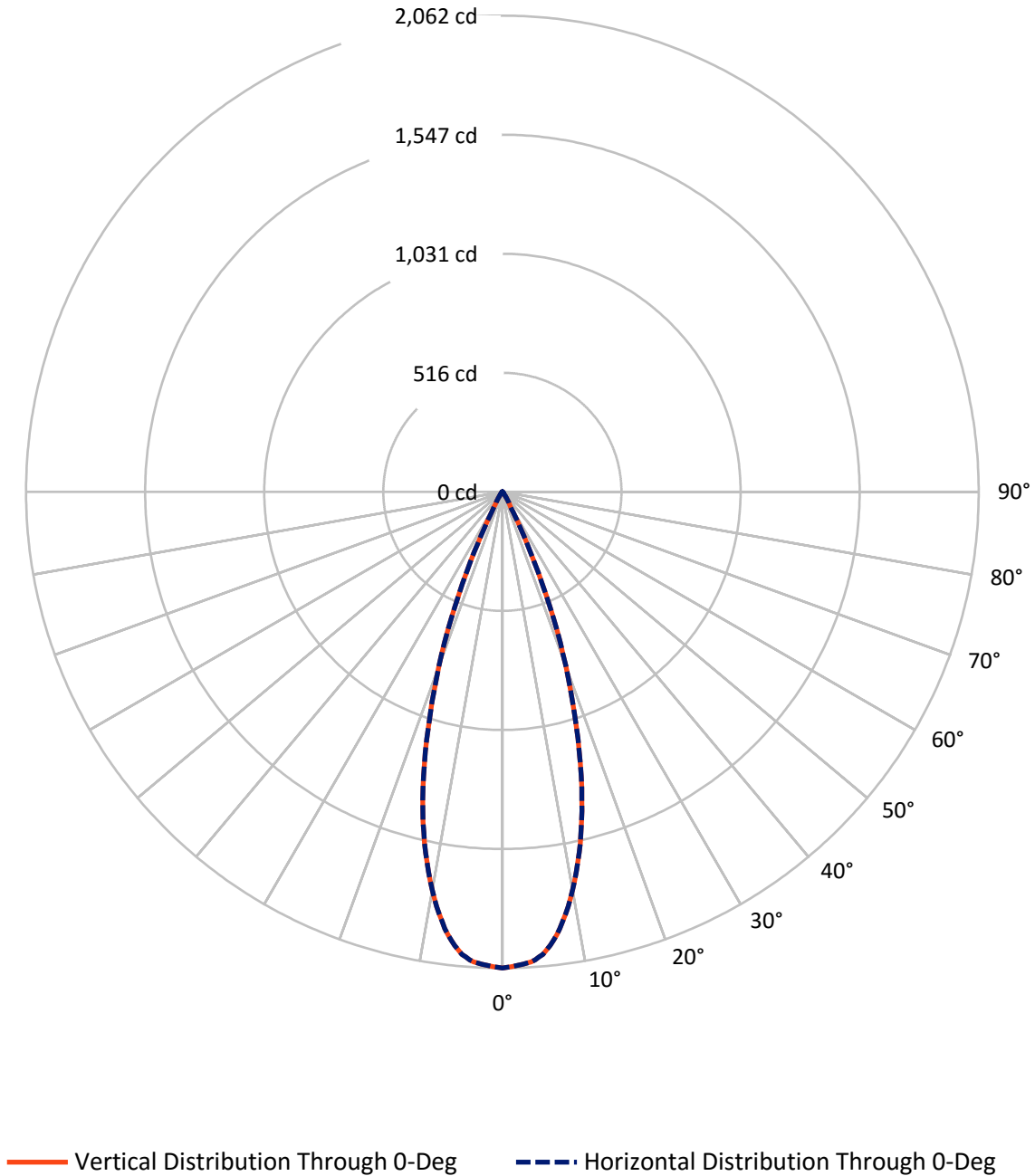
REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.1	0.2	0.4	0.7	0.7	0.4	0.2	0.1	0.1	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.2	0.7	3.4	8.9	8.9	3.4	0.7	0.2	0.1	0.0	0.0	0.0	
20		0.0	0.0	0.1	0.4	3.2	19.8	36.5	36.5	19.8	3.2	0.4	0.1	0.0	0.0		
10	0.0	0.0	0.0	0.1	0.6	8.2	35.5	56.5	56.5	35.5	8.2	0.6	0.1	0.0	0.0	0.0	
0		0.0	0.0	0.1	0.6	8.2	35.5	56.5	56.5	35.5	8.2	0.6	0.1	0.0	0.0		
-10	0.0	0.0	0.0	0.1	0.6	8.2	35.5	56.5	56.5	35.5	8.2	0.6	0.1	0.0	0.0	0.0	
-20		0.0	0.0	0.1	0.4	3.2	19.8	36.5	36.5	19.8	3.2	0.4	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.2	0.7	3.4	8.9	8.9	3.4	0.7	0.2	0.1	0.0	0.0	0.0	
-40		0.0	0.0	0.1	0.1	0.2	0.4	0.7	0.7	0.4	0.2	0.1	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

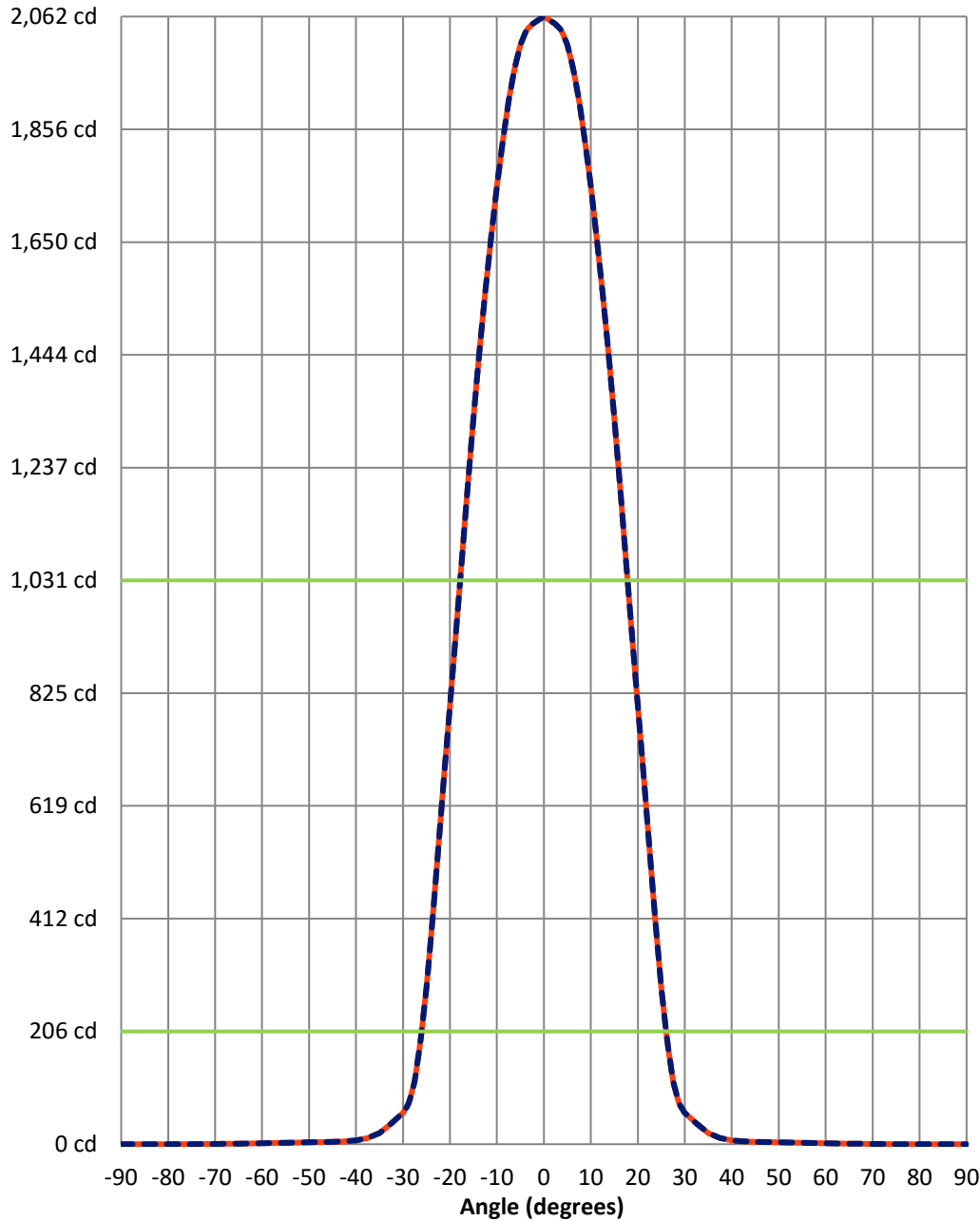
REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 35.6°
 V Angle: 35.6°
 Lumens: 471.3
 Efficiency: 66.7%

Field:
 H Angle: 52.1°
 V Angle: 52.1°
 Lumens: 663.4
 Efficiency: 93.9%

Spill:
 Lumens: 43.4
 Efficiency: 6.1%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	0	0	0	0	0	0	0	1	1	1	1
-23.75°	0	0	0	0	0	0	0	1	1	1	1
-25°	0	0	0	0	0	0	0	0	1	1	1
-26.25°	0	0	0	0	0	0	0	0	1	1	1
-27.5°	0	0	0	0	0	0	0	0	1	1	1
-28.75°	0	0	0	0	0	0	0	0	1	1	1
-30°	0	0	0	0	0	0	0	0	0	1	1
-31.25°	0	0	0	0	0	0	0	0	0	1	1
-32.5°	0	0	0	0	0	0	0	0	0	1	1
-33.75°	0	0	0	0	0	0	0	0	0	1	1
-35°	0	0	0	0	0	0	0	0	0	0	1
-36.25°	0	0	0	0	0	0	0	0	0	0	1
-37.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	1	1	1	1	1	1	1	2	2	2	2
32.5°	1	1	1	1	1	1	2	2	2	2	2
31.25°	1	1	1	1	1	1	2	2	2	2	2
30°	1	1	1	1	1	2	2	2	2	2	2
28.75°	1	1	1	1	1	2	2	2	2	2	2
27.5°	1	1	1	1	1	2	2	2	2	2	3
26.25°	1	1	1	1	2	2	2	2	2	2	3
25°	1	1	1	1	2	2	2	2	2	3	3
23.75°	1	1	1	1	2	2	2	2	2	3	3
22.5°	1	1	1	1	2	2	2	2	2	3	3
21.25°	1	1	1	2	2	2	2	2	3	3	3
20°	1	1	1	2	2	2	2	2	3	3	3
18.75°	1	1	1	2	2	2	2	2	3	3	3
17.5°	1	1	1	2	2	2	2	2	3	3	3
16.25°	1	1	1	2	2	2	2	3	3	3	3
15°	1	1	2	2	2	2	2	3	3	3	3
13.75°	1	1	2	2	2	2	2	3	3	3	3
12.5°	1	1	2	2	2	2	2	3	3	3	3
11.25°	1	1	2	2	2	2	2	3	3	3	3
10°	1	1	2	2	2	2	3	3	3	3	3
8.75°	1	1	2	2	2	2	3	3	3	3	3
7.5°	1	1	2	2	2	2	3	3	3	3	3
6.25°	1	1	2	2	2	2	3	3	3	3	3
5°	1	1	2	2	2	2	3	3	3	3	3
3.75°	1	1	2	2	2	2	3	3	3	3	3
2.5°	1	1	2	2	2	2	3	3	3	3	3
1.25°	1	1	2	2	2	2	3	3	3	3	3
0°	1	2	2	2	2	2	3	3	3	3	4
-1.25°	1	1	2	2	2	2	3	3	3	3	3
-2.5°	1	1	2	2	2	2	3	3	3	3	3
-3.75°	1	1	2	2	2	2	3	3	3	3	3
-5°	1	1	2	2	2	2	3	3	3	3	3
-6.25°	1	1	2	2	2	2	3	3	3	3	3
-7.5°	1	1	2	2	2	2	3	3	3	3	3
-8.75°	1	1	2	2	2	2	3	3	3	3	3
-10°	1	1	2	2	2	2	3	3	3	3	3
-11.25°	1	1	2	2	2	2	2	3	3	3	3
-12.5°	1	1	2	2	2	2	2	3	3	3	3
-13.75°	1	1	2	2	2	2	2	3	3	3	3
-15°	1	1	2	2	2	2	2	3	3	3	3
-16.25°	1	1	1	2	2	2	2	3	3	3	3
-17.5°	1	1	1	2	2	2	2	2	3	3	3
-18.75°	1	1	1	2	2	2	2	2	3	3	3
-20°	1	1	1	2	2	2	2	2	3	3	3
-21.25°	1	1	1	2	2	2	2	2	3	3	3



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	1	1	1	1	2	2	2	2	2	3	3
-23.75°	1	1	1	1	2	2	2	2	2	3	3
-25°	1	1	1	1	2	2	2	2	2	3	3
-26.25°	1	1	1	1	2	2	2	2	2	2	3
-27.5°	1	1	1	1	1	2	2	2	2	2	3
-28.75°	1	1	1	1	1	2	2	2	2	2	2
-30°	1	1	1	1	1	2	2	2	2	2	2
-31.25°	1	1	1	1	1	1	2	2	2	2	2
-32.5°	1	1	1	1	1	1	2	2	2	2	2
-33.75°	1	1	1	1	1	1	1	2	2	2	2
-35°	1	1	1	1	1	1	1	2	2	2	2
-36.25°	1	1	1	1	1	1	1	1	2	2	2
-37.5°	1	1	1	1	1	1	1	1	2	2	2
-38.75°	1	1	1	1	1	1	1	1	1	2	2
-40°	1	1	1	1	1	1	1	1	1	1	2
-41.25°	0	1	1	1	1	1	1	1	1	1	2
-42.5°	0	1	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	1	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	0	1	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	0	1	1	1	1
-53.75°	0	0	0	0	0	0	0	0	1	1	1
-55°	0	0	0	0	0	0	0	0	0	1	1
-56.25°	0	0	0	0	0	0	0	0	0	0	1
-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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	2	2	3	3	3	3	3	3	4	4	4
32.5°	2	3	3	3	3	3	3	4	4	4	4
31.25°	2	3	3	3	3	3	3	4	4	4	4
30°	3	3	3	3	3	3	4	4	4	4	4
28.75°	3	3	3	3	3	4	4	4	4	4	4
27.5°	3	3	3	3	3	4	4	4	4	4	5
26.25°	3	3	3	3	4	4	4	4	4	4	5
25°	3	3	3	3	4	4	4	4	4	5	5
23.75°	3	3	3	4	4	4	4	4	4	5	5
22.5°	3	3	3	4	4	4	4	4	5	5	6
21.25°	3	3	4	4	4	4	4	5	5	5	6
20°	3	3	4	4	4	4	4	5	5	6	6
18.75°	3	3	4	4	4	4	4	5	5	6	7
17.5°	3	4	4	4	4	4	5	5	6	6	7
16.25°	3	4	4	4	4	4	5	5	6	7	8
15°	3	4	4	4	4	4	5	5	6	7	9
13.75°	3	4	4	4	4	5	5	6	6	8	10
12.5°	4	4	4	4	4	5	5	6	7	8	10
11.25°	4	4	4	4	4	5	5	6	7	9	11
10°	4	4	4	4	4	5	5	6	7	9	12
8.75°	4	4	4	4	5	5	6	6	8	10	13
7.5°	4	4	4	4	5	5	6	7	8	10	13
6.25°	4	4	4	4	5	5	6	7	8	11	14
5°	4	4	4	4	5	5	6	7	9	11	15
3.75°	4	4	4	4	5	5	6	7	9	11	15
2.5°	4	4	4	4	5	5	6	7	9	11	16
1.25°	4	4	4	4	5	5	6	7	9	11	16
0°	4	4	4	4	5	5	6	7	9	11	16
-1.25°	4	4	4	4	5	5	6	7	9	11	16
-2.5°	4	4	4	4	5	5	6	7	9	11	16
-3.75°	4	4	4	4	5	5	6	7	9	11	15
-5°	4	4	4	4	5	5	6	7	9	11	15
-6.25°	4	4	4	4	5	5	6	7	8	11	14
-7.5°	4	4	4	4	5	5	6	7	8	10	13
-8.75°	4	4	4	4	5	5	6	6	8	10	13
-10°	4	4	4	4	4	5	5	6	7	9	12
-11.25°	4	4	4	4	4	5	5	6	7	9	11
-12.5°	4	4	4	4	4	5	5	6	7	8	10
-13.75°	3	4	4	4	4	5	5	6	6	8	10
-15°	3	4	4	4	4	4	5	5	6	7	9
-16.25°	3	4	4	4	4	4	5	5	6	7	8
-17.5°	3	4	4	4	4	4	5	5	6	6	7
-18.75°	3	3	4	4	4	4	4	5	5	6	7
-20°	3	3	4	4	4	4	4	5	5	6	6
-21.25°	3	3	4	4	4	4	4	5	5	5	6



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	3	3	3	4	4	4	4	4	5	5	6
-23.75°	3	3	3	4	4	4	4	4	4	5	5
-25°	3	3	3	3	4	4	4	4	4	5	5
-26.25°	3	3	3	3	4	4	4	4	4	4	5
-27.5°	3	3	3	3	3	4	4	4	4	4	5
-28.75°	3	3	3	3	3	4	4	4	4	4	4
-30°	3	3	3	3	3	3	4	4	4	4	4
-31.25°	2	3	3	3	3	3	3	4	4	4	4
-32.5°	2	3	3	3	3	3	3	4	4	4	4
-33.75°	2	2	3	3	3	3	3	3	4	4	4
-35°	2	2	3	3	3	3	3	3	3	4	4
-36.25°	2	2	2	3	3	3	3	3	3	3	4
-37.5°	2	2	2	2	3	3	3	3	3	3	3
-38.75°	2	2	2	2	2	3	3	3	3	3	3
-40°	2	2	2	2	2	3	3	3	3	3	3
-41.25°	2	2	2	2	2	2	3	3	3	3	3
-42.5°	2	2	2	2	2	2	2	3	3	3	3
-43.75°	1	2	2	2	2	2	2	2	2	3	3
-45°	1	1	2	2	2	2	2	2	2	2	3
-46.25°	1	1	1	2	2	2	2	2	2	2	2
-47.5°	1	1	1	1	2	2	2	2	2	2	2
-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	1	2	2	2
-52.5°	1	1	1	1	1	1	1	1	1	2	2
-53.75°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-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°	0	1	1	1	1	1	1	1	1	1	1
-60°	0	0	0	1	1	1	1	1	1	1	1
-61.25°	0	0	0	0	0	1	1	1	1	1	1
-62.5°	0	0	0	0	0	0	0	1	1	1	1
-63.75°	0	0	0	0	0	0	0	0	0	1	1
-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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	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	1	1
66.25°	0	0	0	0	0	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	2	2	2	2
56.25°	1	1	1	1	2	2	2	2	2	2	2
55°	1	1	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	2	2	2	2	2	2	2	2	2	2	2
51.25°	2	2	2	2	2	2	2	2	3	3	3
50°	2	2	2	2	2	2	3	3	3	3	3
48.75°	2	2	2	2	3	3	3	3	3	3	3
47.5°	2	2	3	3	3	3	3	3	3	3	3
46.25°	3	3	3	3	3	3	3	3	3	3	3
45°	3	3	3	3	3	3	3	3	3	4	4
43.75°	3	3	3	3	3	3	3	4	4	4	4
42.5°	3	3	3	3	3	4	4	4	4	4	4
41.25°	3	3	3	3	4	4	4	4	4	4	4
40°	3	3	4	4	4	4	4	4	4	4	4
38.75°	3	4	4	4	4	4	4	4	4	4	5
37.5°	4	4	4	4	4	4	4	4	5	5	5
36.25°	4	4	4	4	4	4	5	5	5	5	6
35°	4	4	4	4	4	5	5	5	5	6	6



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	4	4	4	4	5	5	5	6	6	7	7
32.5°	4	4	4	5	5	5	6	6	7	8	9
31.25°	4	4	5	5	5	6	6	7	8	10	11
30°	4	5	5	5	6	6	7	9	10	11	14
28.75°	5	5	5	6	6	7	9	10	12	14	17
27.5°	5	5	6	6	7	9	10	12	15	18	21
26.25°	5	6	6	7	9	10	12	15	18	22	27
25°	5	6	7	8	10	12	15	18	22	28	33
23.75°	6	7	8	10	11	14	18	22	28	34	40
22.5°	6	7	9	11	14	17	21	27	33	40	46
21.25°	7	8	10	12	16	20	26	32	39	46	53
20°	7	9	11	15	18	24	31	37	45	52	60
18.75°	8	10	13	17	21	28	35	43	50	58	69
17.5°	9	11	15	19	25	32	40	48	56	66	87
16.25°	10	13	17	22	29	37	45	53	63	80	116
15°	11	15	19	25	33	41	49	58	71	99	151
13.75°	12	16	20	28	36	45	53	64	85	128	194
12.5°	14	18	23	31	40	48	57	71	103	162	239
11.25°	15	19	26	34	43	52	62	83	127	196	285
10°	16	20	28	37	46	55	67	94	153	233	332
8.75°	17	22	31	39	48	58	74	113	180	268	375
7.5°	18	24	32	41	51	61	82	129	203	301	416
6.25°	19	26	34	43	53	64	89	144	228	332	452
5°	19	27	35	45	54	67	96	160	249	358	482
3.75°	20	28	36	46	56	69	105	173	265	378	507
2.5°	20	29	37	47	57	72	111	182	277	393	524
1.25°	20	29	38	47	57	74	115	187	284	403	535
0°	20	29	38	48	57	75	116	189	287	406	539
-1.25°	20	29	38	47	57	74	115	187	284	403	535
-2.5°	20	29	37	47	57	72	111	182	277	393	524
-3.75°	20	28	36	46	56	69	105	173	265	378	507
-5°	19	27	35	45	54	67	96	160	249	358	482
-6.25°	19	26	34	43	53	64	89	144	228	332	452
-7.5°	18	24	32	41	51	61	82	129	203	301	416
-8.75°	17	22	31	39	48	58	74	113	180	268	375
-10°	16	20	28	37	46	55	67	94	153	233	332
-11.25°	15	19	26	34	43	52	62	83	127	196	285
-12.5°	14	18	23	31	40	48	57	71	103	162	239
-13.75°	12	16	20	28	36	45	53	64	85	128	194
-15°	11	15	19	25	33	41	49	58	71	99	151
-16.25°	10	13	17	22	29	37	45	53	63	80	116
-17.5°	9	11	15	19	25	32	40	48	56	66	87
-18.75°	8	10	13	17	21	28	35	43	50	58	69
-20°	7	9	11	15	18	24	31	37	45	52	60
-21.25°	7	8	10	12	16	20	26	32	39	46	53



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	6	7	9	11	14	17	21	27	33	40	46
-23.75°	6	7	8	10	11	14	18	22	28	34	40
-25°	5	6	7	8	10	12	15	18	22	28	33
-26.25°	5	6	6	7	9	10	12	15	18	22	27
-27.5°	5	5	6	6	7	9	10	12	15	18	21
-28.75°	5	5	5	6	6	7	9	10	12	14	17
-30°	4	5	5	5	6	6	7	9	10	11	14
-31.25°	4	4	5	5	5	6	6	7	8	10	11
-32.5°	4	4	4	5	5	5	6	6	7	8	9
-33.75°	4	4	4	4	5	5	5	6	6	7	7
-35°	4	4	4	4	4	5	5	5	5	6	6
-36.25°	4	4	4	4	4	4	5	5	5	5	6
-37.5°	4	4	4	4	4	4	4	4	5	5	5
-38.75°	3	4	4	4	4	4	4	4	4	4	5
-40°	3	3	4	4	4	4	4	4	4	4	4
-41.25°	3	3	3	3	4	4	4	4	4	4	4
-42.5°	3	3	3	3	3	4	4	4	4	4	4
-43.75°	3	3	3	3	3	3	3	4	4	4	4
-45°	3	3	3	3	3	3	3	3	3	4	4
-46.25°	3	3	3	3	3	3	3	3	3	3	3
-47.5°	2	2	3	3	3	3	3	3	3	3	3
-48.75°	2	2	2	2	3	3	3	3	3	3	3
-50°	2	2	2	2	2	2	3	3	3	3	3
-51.25°	2	2	2	2	2	2	2	2	3	3	3
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	1	1	2	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	1	1	1	2	2	2	2
-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	0	0	0	1	1	1	1	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	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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	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	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	1	1	1
61.25°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	2	3	3
53.75°	2	2	2	2	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	3	3	3	3	3	3	3	4	4	4	4
47.5°	3	3	3	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
43.75°	4	4	4	4	4	4	4	4	4	4	5
42.5°	4	4	4	4	4	4	5	5	5	5	5
41.25°	4	4	4	5	5	5	5	5	5	5	6
40°	5	5	5	5	5	5	6	6	6	6	6
38.75°	5	5	5	6	6	6	6	7	7	7	8
37.5°	5	6	6	6	7	7	8	8	9	9	10
36.25°	6	6	7	7	8	9	10	10	11	12	13
35°	7	7	8	9	10	11	12	14	15	16	17



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	8	9	10	11	13	15	16	18	19	20	22
32.5°	10	11	13	15	17	19	20	23	26	28	31
31.25°	12	15	17	19	22	25	28	31	34	37	39
30°	16	18	21	25	29	33	36	40	43	46	48
28.75°	20	24	28	32	37	41	45	48	52	55	58
27.5°	26	31	35	40	45	49	53	57	62	67	74
26.25°	32	37	43	48	53	58	64	71	83	94	113
25°	39	45	50	56	63	71	85	103	127	153	180
23.75°	46	52	58	66	80	99	128	162	196	233	268
22.5°	53	60	69	87	116	151	194	239	285	332	375
21.25°	61	72	91	127	171	221	275	333	388	444	495
20°	72	93	133	183	241	304	370	438	502	564	619
18.75°	91	133	187	252	322	397	473	549	619	683	739
17.5°	127	183	252	328	411	496	580	659	730	794	853
16.25°	171	241	322	411	503	596	683	762	835	905	970
15°	221	304	397	496	596	691	777	861	941	1017	1084
13.75°	275	370	473	580	683	777	869	959	1045	1123	1199
12.5°	333	438	549	659	762	861	959	1054	1144	1232	1305
11.25°	388	502	619	730	835	941	1045	1144	1242	1326	1404
10°	444	564	683	794	905	1017	1123	1232	1326	1415	1492
8.75°	495	619	739	853	970	1084	1199	1305	1404	1492	1569
7.5°	541	668	787	906	1028	1146	1265	1372	1471	1559	1637
6.25°	582	709	830	954	1077	1203	1319	1430	1528	1616	1697
5°	615	742	866	994	1119	1248	1365	1475	1574	1664	1746
3.75°	640	768	894	1025	1154	1282	1401	1512	1610	1701	1784
2.5°	659	787	915	1047	1179	1307	1428	1537	1636	1729	1813
1.25°	670	798	928	1060	1195	1322	1443	1552	1652	1746	1829
0°	674	802	933	1065	1200	1327	1448	1557	1657	1751	1835
-1.25°	670	798	928	1060	1195	1322	1443	1552	1652	1746	1829
-2.5°	659	787	915	1047	1179	1307	1428	1537	1636	1729	1813
-3.75°	640	768	894	1025	1154	1282	1401	1512	1610	1701	1784
-5°	615	742	866	994	1119	1248	1365	1475	1574	1664	1746
-6.25°	582	709	830	954	1077	1203	1319	1430	1528	1616	1697
-7.5°	541	668	787	906	1028	1146	1265	1372	1471	1559	1637
-8.75°	495	619	739	853	970	1084	1199	1305	1404	1492	1569
-10°	444	564	683	794	905	1017	1123	1232	1326	1415	1492
-11.25°	388	502	619	730	835	941	1045	1144	1242	1326	1404
-12.5°	333	438	549	659	762	861	959	1054	1144	1232	1305
-13.75°	275	370	473	580	683	777	869	959	1045	1123	1199
-15°	221	304	397	496	596	691	777	861	941	1017	1084
-16.25°	171	241	322	411	503	596	683	762	835	905	970
-17.5°	127	183	252	328	411	496	580	659	730	794	853
-18.75°	91	133	187	252	322	397	473	549	619	683	739
-20°	72	93	133	183	241	304	370	438	502	564	619
-21.25°	61	72	91	127	171	221	275	333	388	444	495



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	53	60	69	87	116	151	194	239	285	332	375
-23.75°	46	52	58	66	80	99	128	162	196	233	268
-25°	39	45	50	56	63	71	85	103	127	153	180
-26.25°	32	37	43	48	53	58	64	71	83	94	113
-27.5°	26	31	35	40	45	49	53	57	62	67	74
-28.75°	20	24	28	32	37	41	45	48	52	55	58
-30°	16	18	21	25	29	33	36	40	43	46	48
-31.25°	12	15	17	19	22	25	28	31	34	37	39
-32.5°	10	11	13	15	17	19	20	23	26	28	31
-33.75°	8	9	10	11	13	15	16	18	19	20	22
-35°	7	7	8	9	10	11	12	14	15	16	17
-36.25°	6	6	7	7	8	9	10	10	11	12	13
-37.5°	5	6	6	6	7	7	8	8	9	9	10
-38.75°	5	5	5	6	6	6	6	7	7	7	8
-40°	5	5	5	5	5	5	6	6	6	6	6
-41.25°	4	4	4	5	5	5	5	5	5	5	6
-42.5°	4	4	4	4	4	4	5	5	5	5	5
-43.75°	4	4	4	4	4	4	4	4	4	4	5
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	3	3	3	4	4	4	4	4	4	4	4
-48.75°	3	3	3	3	3	3	3	4	4	4	4
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	2	2	2	2	3	3	3	3	3	3	3
-55°	2	2	2	2	2	2	2	2	2	3	3
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	1	1	1	1	1	2	2	2	2	2	2
-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	1	1
-68.75°	0	0	0	0	0	0	1	1	1	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	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	1	1	1
61.25°	1	1	1	1	1	1	2	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	2	2
58.75°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	3	3	3	3	3
53.75°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	4	3	3	3	3
48.75°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
43.75°	5	5	5	5	5	5	5	5	5	5	5
42.5°	5	5	5	5	5	5	5	5	5	5	5
41.25°	6	6	6	6	6	6	6	6	6	6	6
40°	7	7	7	7	7	7	7	7	7	7	7
38.75°	8	8	9	9	9	9	9	9	9	9	9
37.5°	10	11	11	11	11	11	11	11	11	11	11
36.25°	13	14	15	15	16	16	16	16	16	15	15
35°	18	19	19	20	20	20	20	20	20	20	19



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	24	26	27	28	29	29	29	29	29	28	27
32.5°	32	34	35	36	37	38	38	38	37	36	35
31.25°	41	43	45	46	47	47	48	47	47	46	45
30°	51	53	54	56	57	57	57	57	57	56	54
28.75°	61	64	67	69	72	74	75	74	72	69	67
27.5°	82	89	96	105	111	115	116	115	111	105	96
26.25°	129	144	160	173	182	187	189	187	182	173	160
25°	203	228	249	265	277	284	287	284	277	265	249
23.75°	301	332	358	378	393	403	406	403	393	378	358
22.5°	416	452	482	507	524	535	539	535	524	507	482
21.25°	541	582	615	640	659	670	674	670	659	640	615
20°	668	709	742	768	787	798	802	798	787	768	742
18.75°	787	830	866	894	915	928	933	928	915	894	866
17.5°	906	954	994	1025	1047	1060	1065	1060	1047	1025	994
16.25°	1028	1077	1119	1154	1179	1195	1200	1195	1179	1154	1119
15°	1146	1203	1248	1282	1307	1322	1327	1322	1307	1282	1248
13.75°	1265	1319	1365	1401	1428	1443	1448	1443	1428	1401	1365
12.5°	1372	1430	1475	1512	1537	1552	1557	1552	1537	1512	1475
11.25°	1471	1528	1574	1610	1636	1652	1657	1652	1636	1610	1574
10°	1559	1616	1664	1701	1729	1746	1751	1746	1729	1701	1664
8.75°	1637	1697	1746	1784	1813	1829	1835	1829	1813	1784	1746
7.5°	1707	1768	1819	1857	1886	1902	1908	1902	1886	1857	1819
6.25°	1768	1830	1881	1920	1947	1962	1967	1962	1947	1920	1881
5°	1819	1881	1931	1967	1991	2005	2010	2005	1991	1967	1931
3.75°	1857	1920	1967	2000	2022	2035	2037	2035	2022	2000	1967
2.5°	1886	1947	1991	2022	2039	2046	2048	2046	2039	2022	1991
1.25°	1902	1962	2005	2035	2046	2052	2055	2052	2046	2035	2005
0°	1908	1967	2010	2037	2048	2055	2062	2055	2048	2037	2010
-1.25°	1902	1962	2005	2035	2046	2052	2055	2052	2046	2035	2005
-2.5°	1886	1947	1991	2022	2039	2046	2048	2046	2039	2022	1991
-3.75°	1857	1920	1967	2000	2022	2035	2037	2035	2022	2000	1967
-5°	1819	1881	1931	1967	1991	2005	2010	2005	1991	1967	1931
-6.25°	1768	1830	1881	1920	1947	1962	1967	1962	1947	1920	1881
-7.5°	1707	1768	1819	1857	1886	1902	1908	1902	1886	1857	1819
-8.75°	1637	1697	1746	1784	1813	1829	1835	1829	1813	1784	1746
-10°	1559	1616	1664	1701	1729	1746	1751	1746	1729	1701	1664
-11.25°	1471	1528	1574	1610	1636	1652	1657	1652	1636	1610	1574
-12.5°	1372	1430	1475	1512	1537	1552	1557	1552	1537	1512	1475
-13.75°	1265	1319	1365	1401	1428	1443	1448	1443	1428	1401	1365
-15°	1146	1203	1248	1282	1307	1322	1327	1322	1307	1282	1248
-16.25°	1028	1077	1119	1154	1179	1195	1200	1195	1179	1154	1119
-17.5°	906	954	994	1025	1047	1060	1065	1060	1047	1025	994
-18.75°	787	830	866	894	915	928	933	928	915	894	866
-20°	668	709	742	768	787	798	802	798	787	768	742
-21.25°	541	582	615	640	659	670	674	670	659	640	615



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	416	452	482	507	524	535	539	535	524	507	482
-23.75°	301	332	358	378	393	403	406	403	393	378	358
-25°	203	228	249	265	277	284	287	284	277	265	249
-26.25°	129	144	160	173	182	187	189	187	182	173	160
-27.5°	82	89	96	105	111	115	116	115	111	105	96
-28.75°	61	64	67	69	72	74	75	74	72	69	67
-30°	51	53	54	56	57	57	57	57	57	56	54
-31.25°	41	43	45	46	47	47	48	47	47	46	45
-32.5°	32	34	35	36	37	38	38	38	37	36	35
-33.75°	24	26	27	28	29	29	29	29	29	28	27
-35°	18	19	19	20	20	20	20	20	20	20	19
-36.25°	13	14	15	15	16	16	16	16	16	15	15
-37.5°	10	11	11	11	11	11	11	11	11	11	11
-38.75°	8	8	9	9	9	9	9	9	9	9	9
-40°	7	7	7	7	7	7	7	7	7	7	7
-41.25°	6	6	6	6	6	6	6	6	6	6	6
-42.5°	5	5	5	5	5	5	5	5	5	5	5
-43.75°	5	5	5	5	5	5	5	5	5	5	5
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-48.75°	4	4	4	4	4	4	4	4	4	4	4
-50°	3	3	3	3	3	3	4	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-61.25°	1	1	1	1	1	1	2	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	1	1
-68.75°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-71.25°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-73.75°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-76.25°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	1	1	1	1	1	1	1	0	0	0	0
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	1	1	1
61.25°	1	1	1	1	1	1	1	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	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
56.25°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	3	2	2	2	2	2	2	2
53.75°	3	3	3	3	3	3	3	3	3	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
51.25°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
48.75°	4	4	4	4	4	4	3	3	3	3	3
47.5°	4	4	4	4	4	4	4	4	4	4	3
46.25°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
43.75°	5	5	5	4	4	4	4	4	4	4	4
42.5°	5	5	5	5	5	5	5	4	4	4	4
41.25°	6	6	6	5	5	5	5	5	5	5	4
40°	7	7	6	6	6	6	6	5	5	5	5
38.75°	8	8	8	7	7	7	6	6	6	6	5
37.5°	11	10	10	9	9	8	8	7	7	6	6
36.25°	14	13	13	12	11	10	10	9	8	7	7
35°	19	18	17	16	15	14	12	11	10	9	8



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	26	24	22	20	19	18	16	15	13	11	10
32.5°	34	32	31	28	26	23	20	19	17	15	13
31.25°	43	41	39	37	34	31	28	25	22	19	17
30°	53	51	48	46	43	40	36	33	29	25	21
28.75°	64	61	58	55	52	48	45	41	37	32	28
27.5°	89	82	74	67	62	57	53	49	45	40	35
26.25°	144	129	113	94	83	71	64	58	53	48	43
25°	228	203	180	153	127	103	85	71	63	56	50
23.75°	332	301	268	233	196	162	128	99	80	66	58
22.5°	452	416	375	332	285	239	194	151	116	87	69
21.25°	582	541	495	444	388	333	275	221	171	127	91
20°	709	668	619	564	502	438	370	304	241	183	133
18.75°	830	787	739	683	619	549	473	397	322	252	187
17.5°	954	906	853	794	730	659	580	496	411	328	252
16.25°	1077	1028	970	905	835	762	683	596	503	411	322
15°	1203	1146	1084	1017	941	861	777	691	596	496	397
13.75°	1319	1265	1199	1123	1045	959	869	777	683	580	473
12.5°	1430	1372	1305	1232	1144	1054	959	861	762	659	549
11.25°	1528	1471	1404	1326	1242	1144	1045	941	835	730	619
10°	1616	1559	1492	1415	1326	1232	1123	1017	905	794	683
8.75°	1697	1637	1569	1492	1404	1305	1199	1084	970	853	739
7.5°	1768	1707	1637	1559	1471	1372	1265	1146	1028	906	787
6.25°	1830	1768	1697	1616	1528	1430	1319	1203	1077	954	830
5°	1881	1819	1746	1664	1574	1475	1365	1248	1119	994	866
3.75°	1920	1857	1784	1701	1610	1512	1401	1282	1154	1025	894
2.5°	1947	1886	1813	1729	1636	1537	1428	1307	1179	1047	915
1.25°	1962	1902	1829	1746	1652	1552	1443	1322	1195	1060	928
0°	1967	1908	1835	1751	1657	1557	1448	1327	1200	1065	933
-1.25°	1962	1902	1829	1746	1652	1552	1443	1322	1195	1060	928
-2.5°	1947	1886	1813	1729	1636	1537	1428	1307	1179	1047	915
-3.75°	1920	1857	1784	1701	1610	1512	1401	1282	1154	1025	894
-5°	1881	1819	1746	1664	1574	1475	1365	1248	1119	994	866
-6.25°	1830	1768	1697	1616	1528	1430	1319	1203	1077	954	830
-7.5°	1768	1707	1637	1559	1471	1372	1265	1146	1028	906	787
-8.75°	1697	1637	1569	1492	1404	1305	1199	1084	970	853	739
-10°	1616	1559	1492	1415	1326	1232	1123	1017	905	794	683
-11.25°	1528	1471	1404	1326	1242	1144	1045	941	835	730	619
-12.5°	1430	1372	1305	1232	1144	1054	959	861	762	659	549
-13.75°	1319	1265	1199	1123	1045	959	869	777	683	580	473
-15°	1203	1146	1084	1017	941	861	777	691	596	496	397
-16.25°	1077	1028	970	905	835	762	683	596	503	411	322
-17.5°	954	906	853	794	730	659	580	496	411	328	252
-18.75°	830	787	739	683	619	549	473	397	322	252	187
-20°	709	668	619	564	502	438	370	304	241	183	133
-21.25°	582	541	495	444	388	333	275	221	171	127	91



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	452	416	375	332	285	239	194	151	116	87	69
-23.75°	332	301	268	233	196	162	128	99	80	66	58
-25°	228	203	180	153	127	103	85	71	63	56	50
-26.25°	144	129	113	94	83	71	64	58	53	48	43
-27.5°	89	82	74	67	62	57	53	49	45	40	35
-28.75°	64	61	58	55	52	48	45	41	37	32	28
-30°	53	51	48	46	43	40	36	33	29	25	21
-31.25°	43	41	39	37	34	31	28	25	22	19	17
-32.5°	34	32	31	28	26	23	20	19	17	15	13
-33.75°	26	24	22	20	19	18	16	15	13	11	10
-35°	19	18	17	16	15	14	12	11	10	9	8
-36.25°	14	13	13	12	11	10	10	9	8	7	7
-37.5°	11	10	10	9	9	8	8	7	7	6	6
-38.75°	8	8	8	7	7	7	6	6	6	6	5
-40°	7	7	6	6	6	6	6	5	5	5	5
-41.25°	6	6	6	5	5	5	5	5	5	5	4
-42.5°	5	5	5	5	5	5	5	4	4	4	4
-43.75°	5	5	5	4	4	4	4	4	4	4	4
-45°	4	4	4	4	4	4	4	4	4	4	4
-46.25°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	3
-48.75°	4	4	4	4	4	4	3	3	3	3	3
-50°	3	3	3	3	3	3	3	3	3	3	3
-51.25°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-53.75°	3	3	3	3	3	3	3	3	3	2	2
-55°	3	3	3	3	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-58.75°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	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	1	1
-68.75°	1	1	1	1	1	1	1	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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	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°	1	1	1	1	0	0	0	0	0	0	0
66.25°	1	1	1	1	1	1	1	1	0	0	0
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°	2	2	1	1	1	1	1	1	1	1	1
57.5°	2	2	2	2	2	2	1	1	1	1	1
56.25°	2	2	2	2	2	2	2	2	2	1	1
55°	2	2	2	2	2	2	2	2	2	2	2
53.75°	2	2	2	2	2	2	2	2	2	2	2
52.5°	3	3	2	2	2	2	2	2	2	2	2
51.25°	3	3	3	3	3	2	2	2	2	2	2
50°	3	3	3	3	3	3	3	2	2	2	2
48.75°	3	3	3	3	3	3	3	3	3	2	2
47.5°	3	3	3	3	3	3	3	3	3	3	3
46.25°	4	4	3	3	3	3	3	3	3	3	3
45°	4	4	4	4	3	3	3	3	3	3	3
43.75°	4	4	4	4	4	4	3	3	3	3	3
42.5°	4	4	4	4	4	4	4	4	3	3	3
41.25°	4	4	4	4	4	4	4	4	4	3	3
40°	5	5	4	4	4	4	4	4	4	4	4
38.75°	5	5	5	4	4	4	4	4	4	4	4
37.5°	6	5	5	5	5	4	4	4	4	4	4
36.25°	6	6	6	5	5	5	5	4	4	4	4
35°	7	7	6	6	5	5	5	5	4	4	4



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	9	8	7	7	6	6	5	5	5	4	4
32.5°	11	10	9	8	7	6	6	5	5	5	4
31.25°	15	12	11	10	8	7	6	6	5	5	5
30°	18	16	14	11	10	9	7	6	6	5	5
28.75°	24	20	17	14	12	10	9	7	6	6	5
27.5°	31	26	21	18	15	12	10	9	7	6	6
26.25°	37	32	27	22	18	15	12	10	9	7	6
25°	45	39	33	28	22	18	15	12	10	8	7
23.75°	52	46	40	34	28	22	18	14	11	10	8
22.5°	60	53	46	40	33	27	21	17	14	11	9
21.25°	72	61	53	46	39	32	26	20	16	12	10
20°	93	72	60	52	45	37	31	24	18	15	11
18.75°	133	91	69	58	50	43	35	28	21	17	13
17.5°	183	127	87	66	56	48	40	32	25	19	15
16.25°	241	171	116	80	63	53	45	37	29	22	17
15°	304	221	151	99	71	58	49	41	33	25	19
13.75°	370	275	194	128	85	64	53	45	36	28	20
12.5°	438	333	239	162	103	71	57	48	40	31	23
11.25°	502	388	285	196	127	83	62	52	43	34	26
10°	564	444	332	233	153	94	67	55	46	37	28
8.75°	619	495	375	268	180	113	74	58	48	39	31
7.5°	668	541	416	301	203	129	82	61	51	41	32
6.25°	709	582	452	332	228	144	89	64	53	43	34
5°	742	615	482	358	249	160	96	67	54	45	35
3.75°	768	640	507	378	265	173	105	69	56	46	36
2.5°	787	659	524	393	277	182	111	72	57	47	37
1.25°	798	670	535	403	284	187	115	74	57	47	38
0°	802	674	539	406	287	189	116	75	57	48	38
-1.25°	798	670	535	403	284	187	115	74	57	47	38
-2.5°	787	659	524	393	277	182	111	72	57	47	37
-3.75°	768	640	507	378	265	173	105	69	56	46	36
-5°	742	615	482	358	249	160	96	67	54	45	35
-6.25°	709	582	452	332	228	144	89	64	53	43	34
-7.5°	668	541	416	301	203	129	82	61	51	41	32
-8.75°	619	495	375	268	180	113	74	58	48	39	31
-10°	564	444	332	233	153	94	67	55	46	37	28
-11.25°	502	388	285	196	127	83	62	52	43	34	26
-12.5°	438	333	239	162	103	71	57	48	40	31	23
-13.75°	370	275	194	128	85	64	53	45	36	28	20
-15°	304	221	151	99	71	58	49	41	33	25	19
-16.25°	241	171	116	80	63	53	45	37	29	22	17
-17.5°	183	127	87	66	56	48	40	32	25	19	15
-18.75°	133	91	69	58	50	43	35	28	21	17	13
-20°	93	72	60	52	45	37	31	24	18	15	11
-21.25°	72	61	53	46	39	32	26	20	16	12	10



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	60	53	46	40	33	27	21	17	14	11	9
-23.75°	52	46	40	34	28	22	18	14	11	10	8
-25°	45	39	33	28	22	18	15	12	10	8	7
-26.25°	37	32	27	22	18	15	12	10	9	7	6
-27.5°	31	26	21	18	15	12	10	9	7	6	6
-28.75°	24	20	17	14	12	10	9	7	6	6	5
-30°	18	16	14	11	10	9	7	6	6	5	5
-31.25°	15	12	11	10	8	7	6	6	5	5	5
-32.5°	11	10	9	8	7	6	6	5	5	5	4
-33.75°	9	8	7	7	6	6	5	5	5	4	4
-35°	7	7	6	6	5	5	5	5	4	4	4
-36.25°	6	6	6	5	5	5	5	4	4	4	4
-37.5°	6	5	5	5	5	4	4	4	4	4	4
-38.75°	5	5	5	4	4	4	4	4	4	4	4
-40°	5	5	4	4	4	4	4	4	4	4	4
-41.25°	4	4	4	4	4	4	4	4	4	3	3
-42.5°	4	4	4	4	4	4	4	4	3	3	3
-43.75°	4	4	4	4	4	4	3	3	3	3	3
-45°	4	4	4	4	3	3	3	3	3	3	3
-46.25°	4	4	3	3	3	3	3	3	3	3	3
-47.5°	3	3	3	3	3	3	3	3	3	3	3
-48.75°	3	3	3	3	3	3	3	3	3	2	2
-50°	3	3	3	3	3	3	3	2	2	2	2
-51.25°	3	3	3	3	3	2	2	2	2	2	2
-52.5°	3	3	2	2	2	2	2	2	2	2	2
-53.75°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-56.25°	2	2	2	2	2	2	2	2	2	1	1
-57.5°	2	2	2	2	2	2	1	1	1	1	1
-58.75°	2	2	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	0	0	0
-67.5°	1	1	1	1	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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0	0	0	0	0	0	0	0	0	0	0
88.75°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
86.25°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
83.75°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
81.25°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
78.75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
76.25°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
73.75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
71.25°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
68.75°	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	1	1	0	0	0	0	0	0	0
62.5°	1	1	1	1	1	1	0	0	0	0	0
61.25°	1	1	1	1	1	1	1	1	0	0	0
60°	1	1	1	1	1	1	1	1	1	1	0
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	1
53.75°	2	2	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	1	1	1	1	1	1	1
51.25°	2	2	2	2	2	1	1	1	1	1	1
50°	2	2	2	2	2	2	2	1	1	1	1
48.75°	2	2	2	2	2	2	2	2	1	1	1
47.5°	2	2	2	2	2	2	2	2	2	1	1
46.25°	3	3	2	2	2	2	2	2	2	2	1
45°	3	3	3	2	2	2	2	2	2	2	2
43.75°	3	3	3	3	2	2	2	2	2	2	2
42.5°	3	3	3	3	3	3	2	2	2	2	2
41.25°	3	3	3	3	3	3	3	2	2	2	2
40°	3	3	3	3	3	3	3	3	2	2	2
38.75°	4	3	3	3	3	3	3	3	2	2	2
37.5°	4	4	3	3	3	3	3	3	3	2	2
36.25°	4	4	4	3	3	3	3	3	3	3	2
35°	4	4	4	4	3	3	3	3	3	3	3



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	4	4	4	4	4	3	3	3	3	3	3
32.5°	4	4	4	4	4	4	3	3	3	3	3
31.25°	4	4	4	4	4	4	3	3	3	3	3
30°	5	4	4	4	4	4	4	3	3	3	3
28.75°	5	5	4	4	4	4	4	4	3	3	3
27.5°	5	5	5	4	4	4	4	4	3	3	3
26.25°	6	5	5	4	4	4	4	4	4	3	3
25°	6	5	5	5	4	4	4	4	4	3	3
23.75°	7	6	5	5	4	4	4	4	4	4	3
22.5°	7	6	6	5	5	4	4	4	4	4	3
21.25°	8	7	6	5	5	5	4	4	4	4	4
20°	9	7	6	6	5	5	4	4	4	4	4
18.75°	10	8	7	6	5	5	4	4	4	4	4
17.5°	11	9	7	6	6	5	5	4	4	4	4
16.25°	13	10	8	7	6	5	5	4	4	4	4
15°	15	11	9	7	6	5	5	4	4	4	4
13.75°	16	12	10	8	6	6	5	5	4	4	4
12.5°	18	14	10	8	7	6	5	5	4	4	4
11.25°	19	15	11	9	7	6	5	5	4	4	4
10°	20	16	12	9	7	6	5	5	4	4	4
8.75°	22	17	13	10	8	6	6	5	5	4	4
7.5°	24	18	13	10	8	7	6	5	5	4	4
6.25°	26	19	14	11	8	7	6	5	5	4	4
5°	27	19	15	11	9	7	6	5	5	4	4
3.75°	28	20	15	11	9	7	6	5	5	4	4
2.5°	29	20	16	11	9	7	6	5	5	4	4
1.25°	29	20	16	11	9	7	6	5	5	4	4
0°	29	20	16	11	9	7	6	5	5	4	4
-1.25°	29	20	16	11	9	7	6	5	5	4	4
-2.5°	29	20	16	11	9	7	6	5	5	4	4
-3.75°	28	20	15	11	9	7	6	5	5	4	4
-5°	27	19	15	11	9	7	6	5	5	4	4
-6.25°	26	19	14	11	8	7	6	5	5	4	4
-7.5°	24	18	13	10	8	7	6	5	5	4	4
-8.75°	22	17	13	10	8	6	6	5	5	4	4
-10°	20	16	12	9	7	6	5	5	4	4	4
-11.25°	19	15	11	9	7	6	5	5	4	4	4
-12.5°	18	14	10	8	7	6	5	5	4	4	4
-13.75°	16	12	10	8	6	6	5	5	4	4	4
-15°	15	11	9	7	6	5	5	4	4	4	4
-16.25°	13	10	8	7	6	5	5	4	4	4	4
-17.5°	11	9	7	6	6	5	5	4	4	4	4
-18.75°	10	8	7	6	5	5	4	4	4	4	4
-20°	9	7	6	6	5	5	4	4	4	4	4
-21.25°	8	7	6	5	5	5	4	4	4	4	4



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	7	6	6	5	5	4	4	4	4	4	3
-23.75°	7	6	5	5	4	4	4	4	4	4	3
-25°	6	5	5	5	4	4	4	4	4	3	3
-26.25°	6	5	5	4	4	4	4	4	4	3	3
-27.5°	5	5	5	4	4	4	4	4	3	3	3
-28.75°	5	5	4	4	4	4	4	4	3	3	3
-30°	5	4	4	4	4	4	4	3	3	3	3
-31.25°	4	4	4	4	4	4	3	3	3	3	3
-32.5°	4	4	4	4	4	4	3	3	3	3	3
-33.75°	4	4	4	4	4	3	3	3	3	3	3
-35°	4	4	4	4	3	3	3	3	3	3	3
-36.25°	4	4	4	3	3	3	3	3	3	3	2
-37.5°	4	4	3	3	3	3	3	3	3	2	2
-38.75°	4	3	3	3	3	3	3	3	2	2	2
-40°	3	3	3	3	3	3	3	3	2	2	2
-41.25°	3	3	3	3	3	3	3	2	2	2	2
-42.5°	3	3	3	3	3	3	2	2	2	2	2
-43.75°	3	3	3	3	2	2	2	2	2	2	2
-45°	3	3	3	2	2	2	2	2	2	2	2
-46.25°	3	3	2	2	2	2	2	2	2	2	1
-47.5°	2	2	2	2	2	2	2	2	2	1	1
-48.75°	2	2	2	2	2	2	2	2	1	1	1
-50°	2	2	2	2	2	2	2	1	1	1	1
-51.25°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-53.75°	2	2	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-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	0
-61.25°	1	1	1	1	1	1	1	1	0	0	0
-62.5°	1	1	1	1	1	1	0	0	0	0	0
-63.75°	1	1	1	1	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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	2	2	2	2	2	2	1	1	1	1	1
32.5°	3	2	2	2	2	2	2	1	1	1	1
31.25°	3	2	2	2	2	2	2	1	1	1	1
30°	3	3	2	2	2	2	2	2	1	1	1
28.75°	3	3	2	2	2	2	2	2	1	1	1
27.5°	3	3	3	2	2	2	2	2	1	1	1
26.25°	3	3	3	2	2	2	2	2	2	1	1
25°	3	3	3	3	2	2	2	2	2	1	1
23.75°	3	3	3	3	2	2	2	2	2	1	1
22.5°	3	3	3	3	2	2	2	2	2	1	1
21.25°	3	3	3	3	3	2	2	2	2	2	1
20°	3	3	3	3	3	2	2	2	2	2	1
18.75°	3	3	3	3	3	2	2	2	2	2	1
17.5°	4	3	3	3	3	2	2	2	2	2	1
16.25°	4	3	3	3	3	3	2	2	2	2	1
15°	4	3	3	3	3	3	2	2	2	2	2
13.75°	4	3	3	3	3	3	2	2	2	2	2
12.5°	4	4	3	3	3	3	2	2	2	2	2
11.25°	4	4	3	3	3	3	2	2	2	2	2
10°	4	4	3	3	3	3	3	2	2	2	2
8.75°	4	4	3	3	3	3	3	2	2	2	2
7.5°	4	4	3	3	3	3	3	2	2	2	2
6.25°	4	4	3	3	3	3	3	2	2	2	2
5°	4	4	3	3	3	3	3	2	2	2	2
3.75°	4	4	3	3	3	3	3	2	2	2	2
2.5°	4	4	3	3	3	3	3	2	2	2	2
1.25°	4	4	3	3	3	3	3	2	2	2	2
0°	4	4	4	3	3	3	3	2	2	2	2
-1.25°	4	4	3	3	3	3	3	2	2	2	2
-2.5°	4	4	3	3	3	3	3	2	2	2	2
-3.75°	4	4	3	3	3	3	3	2	2	2	2
-5°	4	4	3	3	3	3	3	2	2	2	2
-6.25°	4	4	3	3	3	3	3	2	2	2	2
-7.5°	4	4	3	3	3	3	3	2	2	2	2
-8.75°	4	4	3	3	3	3	3	2	2	2	2
-10°	4	4	3	3	3	3	3	2	2	2	2
-11.25°	4	4	3	3	3	3	2	2	2	2	2
-12.5°	4	4	3	3	3	3	2	2	2	2	2
-13.75°	4	3	3	3	3	3	2	2	2	2	2
-15°	4	3	3	3	3	3	2	2	2	2	2
-16.25°	4	3	3	3	3	3	2	2	2	2	1
-17.5°	4	3	3	3	3	2	2	2	2	2	1
-18.75°	3	3	3	3	3	2	2	2	2	2	1
-20°	3	3	3	3	3	2	2	2	2	2	1
-21.25°	3	3	3	3	3	2	2	2	2	2	1



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	3	3	3	3	2	2	2	2	2	1	1
-23.75°	3	3	3	3	2	2	2	2	2	1	1
-25°	3	3	3	3	2	2	2	2	2	1	1
-26.25°	3	3	3	2	2	2	2	2	2	1	1
-27.5°	3	3	3	2	2	2	2	2	1	1	1
-28.75°	3	3	2	2	2	2	2	2	1	1	1
-30°	3	3	2	2	2	2	2	2	1	1	1
-31.25°	3	2	2	2	2	2	2	1	1	1	1
-32.5°	3	2	2	2	2	2	2	1	1	1	1
-33.75°	2	2	2	2	2	2	1	1	1	1	1
-35°	2	2	2	2	2	2	1	1	1	1	1
-36.25°	2	2	2	2	2	1	1	1	1	1	1
-37.5°	2	2	2	2	2	1	1	1	1	1	1
-38.75°	2	2	2	2	1	1	1	1	1	1	1
-40°	2	2	2	1	1	1	1	1	1	1	1
-41.25°	2	2	2	1	1	1	1	1	1	1	1
-42.5°	2	2	1	1	1	1	1	1	1	1	1
-43.75°	2	1	1	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	1
-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	0	0	0
-51.25°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	1	0	0	0	0	0
-53.75°	1	1	1	1	1	0	0	0	0	0	0
-55°	1	1	1	1	0	0	0	0	0	0	0
-56.25°	1	1	1	0	0	0	0	0	0	0	0
-57.5°	1	1	0	0	0	0	0	0	0	0	0
-58.75°	1	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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	1	1	1	1	1	1	0	0	0	0	0
-23.75°	1	1	1	1	1	1	0	0	0	0	0
-25°	1	1	1	1	1	0	0	0	0	0	0
-26.25°	1	1	1	1	1	0	0	0	0	0	0
-27.5°	1	1	1	1	1	0	0	0	0	0	0
-28.75°	1	1	1	1	1	0	0	0	0	0	0
-30°	1	1	1	1	0	0	0	0	0	0	0
-31.25°	1	1	1	1	0	0	0	0	0	0	0
-32.5°	1	1	1	1	0	0	0	0	0	0	0
-33.75°	1	1	1	1	0	0	0	0	0	0	0
-35°	1	1	1	0	0	0	0	0	0	0	0
-36.25°	1	1	1	0	0	0	0	0	0	0	0
-37.5°	1	1	1	0	0	0	0	0	0	0	0
-38.75°	1	1	0	0	0	0	0	0	0	0	0
-40°	1	1	0	0	0	0	0	0	0	0	0
-41.25°	1	0	0	0	0	0	0	0	0	0	0
-42.5°	1	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: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)