

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: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

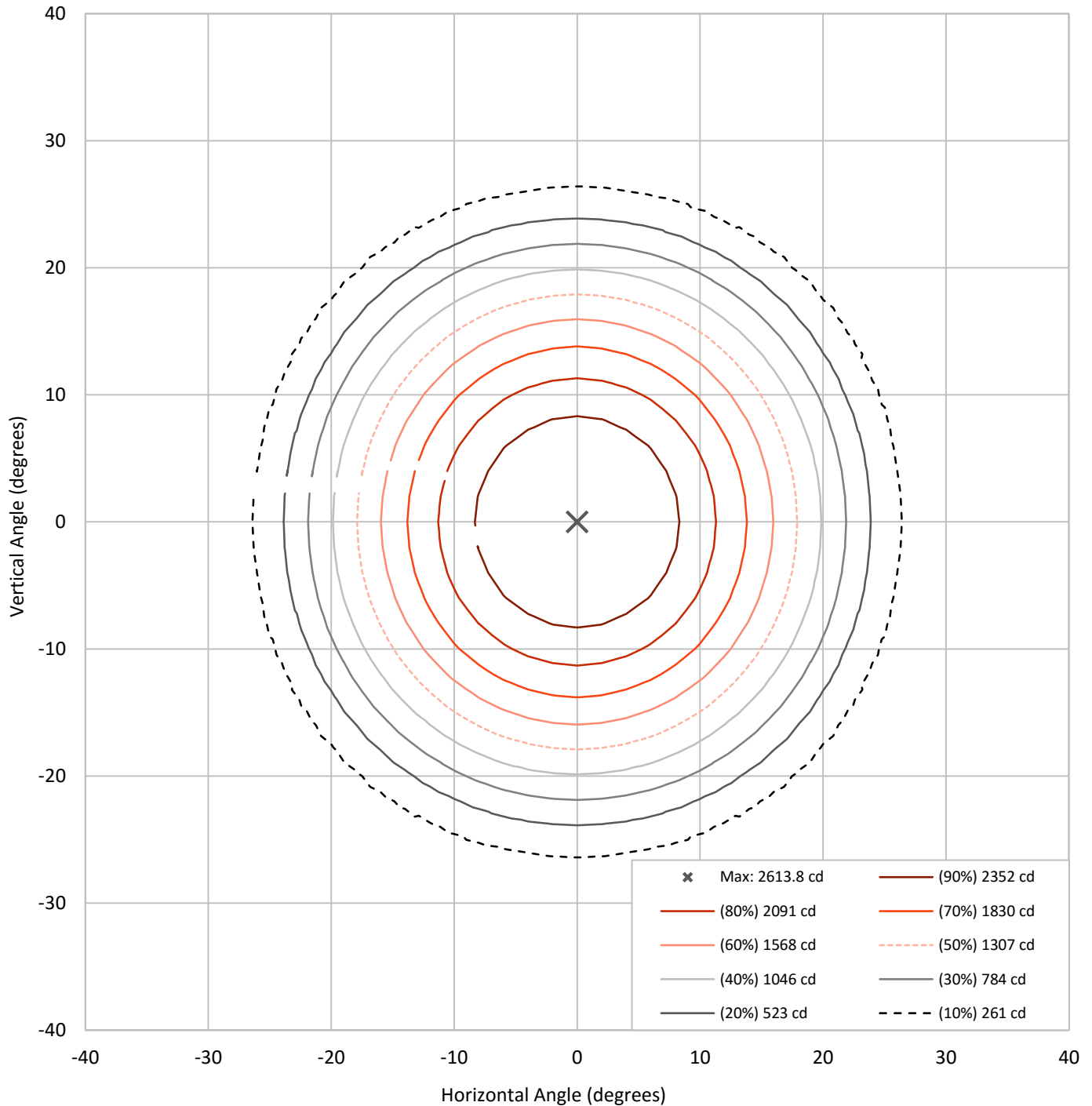
Test Method: LM-79-08
Report Number: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1017.6 lumens	Max Intensity:	2613.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	103.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.8°H x 35.8°V	Field Angle (10%):	52.6°H x 52.6°V
Beam Lumens:	598.3 lumens	Field Lumens:	849.9 lumens
Beam Efficiency:	58.8%	Field Efficiency:	83.5%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





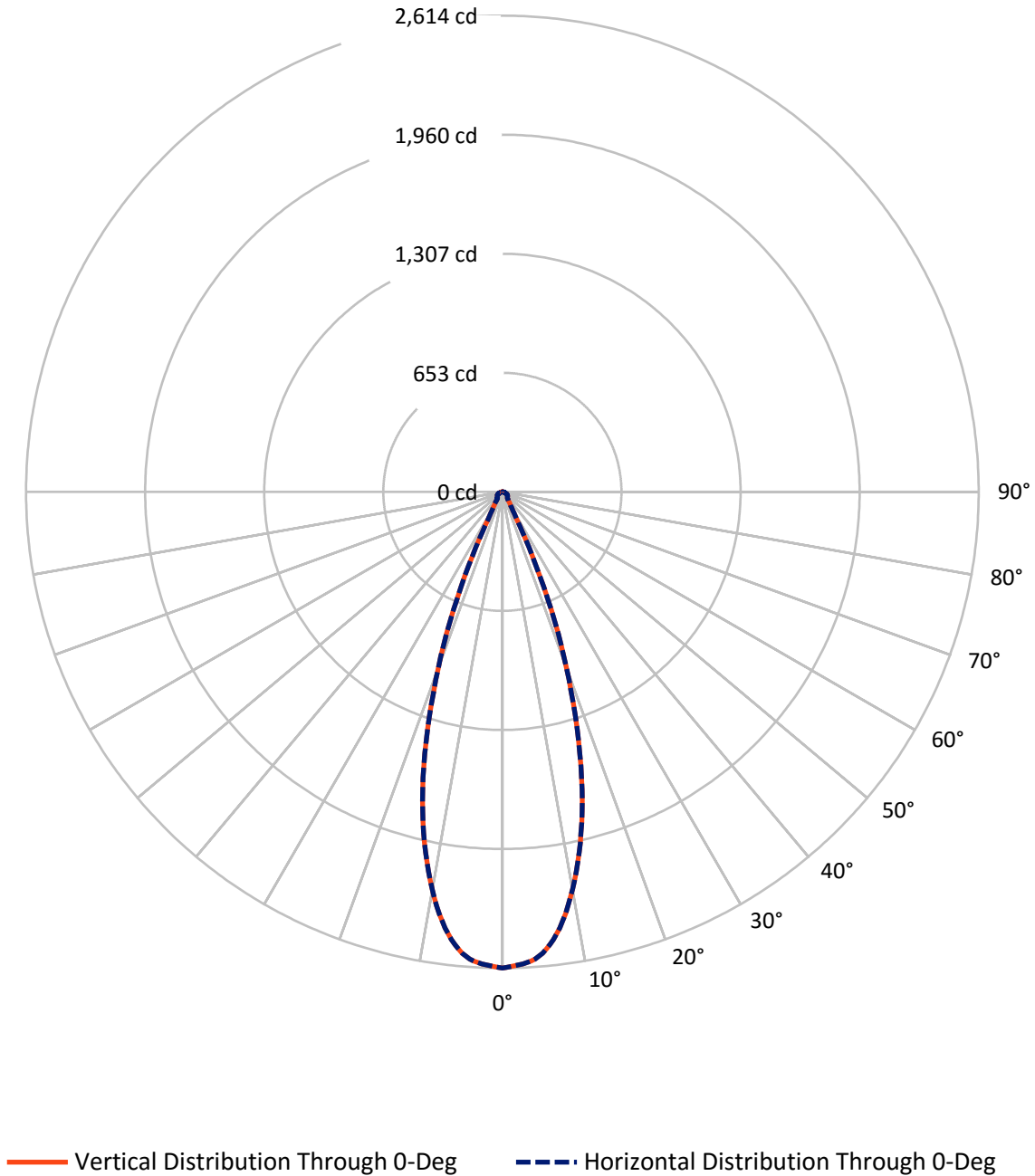
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Lumen Table

90	0.0	0.2	0.5	0.8	0.9	0.8	0.5	0.2	0.0										
80	0.0	0.2	0.5	0.8	0.9	0.8	0.5	0.2	0.0										
70	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1			
60		0.1	0.3	0.5	0.7	0.8	1.0	1.0	1.0	1.0	0.8	0.7	0.5	0.3	0.1				
50	0.2	0.2	0.4	0.6	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.6	0.4	0.2	0.2			
40		0.2	0.5	0.7	0.9	1.1	1.4	1.8	1.8	1.4	1.1	0.9	0.7	0.5	0.2				
30	0.2	0.3	0.5	0.8	1.0	1.7	5.1	12.0	12.0	5.1	1.7	1.0	0.8	0.5	0.3	0.2			
20		0.3	0.6	0.8	1.2	4.8	25.6	46.6	46.6	25.6	4.8	1.2	0.8	0.6	0.3				
10	0.2	0.3	0.6	0.8	1.5	11.1	45.3	71.5	71.5	45.3	11.1	1.5	0.8	0.6	0.3	0.2			
0		0.3	0.6	0.8	1.5	11.1	45.3	71.5	71.5	45.3	11.1	1.5	0.8	0.6	0.3				
-10	0.2	0.3	0.6	0.8	1.5	11.1	45.3	71.5	71.5	45.3	11.1	1.5	0.8	0.6	0.3	0.2			
-20		0.3	0.6	0.8	1.2	4.8	25.6	46.6	46.6	25.6	4.8	1.2	0.8	0.6	0.3				
-30	0.2	0.3	0.5	0.8	1.0	1.7	5.1	12.0	12.0	5.1	1.7	1.0	0.8	0.5	0.3	0.2			
-40		0.2	0.5	0.7	0.9	1.1	1.4	1.8	1.8	1.4	1.1	0.9	0.7	0.5	0.2				
-50	0.1	0.1	0.3	0.5	0.7	0.8	1.0	1.0	1.0	1.0	0.8	0.7	0.5	0.3	0.1	0.1			
-60		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1				
-70	0.0	0.2	0.5	0.8	0.9	0.8	0.5	0.2	0.0							0.0			
-80		0.2	0.5	0.8	0.9	0.8	0.5	0.2	0.0										
-90	0.0	0.2	0.5	0.8	0.9	0.8	0.5	0.2	0.0						0.0				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

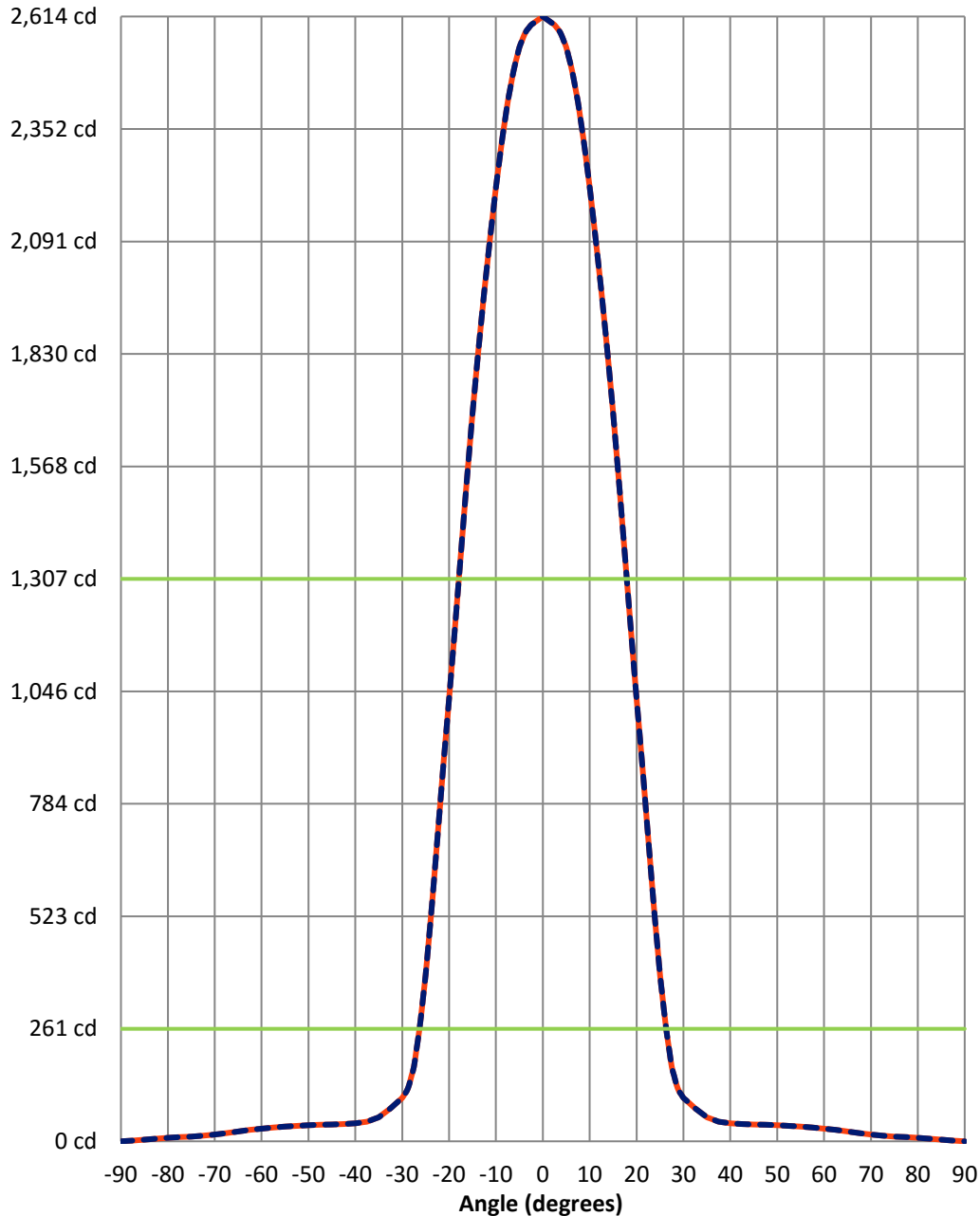
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 35.8°
 V Angle: 35.8°
 Lumens: 598.3
 Efficiency: 58.8%

Field:
 H Angle: 52.6°
 V Angle: 52.6°
 Lumens: 849.9
 Efficiency: 83.5%

Spill:
 Lumens: 167.7
 Efficiency: 16.5%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
86.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
83.75°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
81.25°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4
78.75°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.8
76.25°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.3	1.5	1.7	2.0
75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.2
73.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.9	2.2	2.5
72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	2.0	2.4	2.7
71.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.9	2.2	2.6	2.9
70°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.4	2.8	3.1
68.75°	0.0	0.3	0.6	0.9	1.2	1.4	1.8	2.2	2.6	3.0	3.4
67.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.9	2.3	2.8	3.2	3.6
66.25°	0.0	0.3	0.6	1.0	1.3	1.6	2.1	2.5	2.9	3.4	3.8
65°	0.0	0.3	0.7	1.0	1.4	1.7	2.2	2.6	3.1	3.6	4.0
63.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.3	2.8	3.3	3.8	4.2
62.5°	0.0	0.4	0.7	1.1	1.5	1.9	2.4	2.9	3.4	3.9	4.4
61.25°	0.0	0.4	0.8	1.2	1.5	2.0	2.6	3.1	3.6	4.1	4.7
60°	0.0	0.4	0.8	1.2	1.6	2.1	2.7	3.2	3.8	4.3	4.9
58.75°	0.0	0.4	0.8	1.2	1.7	2.2	2.8	3.4	3.9	4.5	5.1
57.5°	0.0	0.4	0.9	1.3	1.8	2.4	2.9	3.5	4.1	4.7	5.3
56.25°	0.0	0.4	0.9	1.3	1.8	2.5	3.1	3.7	4.3	4.9	5.5
55°	0.0	0.5	0.9	1.4	1.9	2.6	3.2	3.8	4.4	5.1	5.7
53.75°	0.0	0.5	0.9	1.4	2.0	2.6	3.3	3.9	4.6	5.2	5.9
52.5°	0.0	0.5	1.0	1.5	2.1	2.7	3.4	4.1	4.7	5.4	6.1
51.25°	0.0	0.5	1.0	1.5	2.2	2.8	3.5	4.2	4.9	5.6	6.2
50°	0.0	0.5	1.0	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4
48.75°	0.0	0.5	1.1	1.6	2.3	3.0	3.7	4.5	5.2	5.9	6.6
47.5°	0.0	0.5	1.1	1.6	2.4	3.1	3.9	4.6	5.3	6.1	6.8
46.25°	0.0	0.6	1.1	1.7	2.4	3.2	4.0	4.7	5.5	6.2	6.9
45°	0.0	0.6	1.1	1.7	2.5	3.3	4.1	4.8	5.6	6.4	7.1
43.75°	0.0	0.6	1.2	1.8	2.6	3.4	4.2	5.0	5.7	6.5	7.3
42.5°	0.0	0.6	1.2	1.8	2.6	3.5	4.3	5.1	5.9	6.6	7.4
41.25°	0.0	0.6	1.2	1.9	2.7	3.5	4.4	5.2	6.0	6.8	7.6
40°	0.0	0.6	1.2	1.9	2.8	3.6	4.4	5.3	6.1	6.9	7.7
38.75°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.4	6.2	7.1	7.9
37.5°	0.0	0.6	1.3	2.0	2.9	3.8	4.6	5.5	6.4	7.2	8.0
36.25°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.6	6.5	7.3	8.1
35°	0.0	0.7	1.3	2.1	3.0	3.9	4.8	5.7	6.6	7.4	8.2



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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	0.7	1.3	2.1	3.1	4.0	4.9	5.8	6.7	7.5	8.3
32.5°	0.0	0.7	1.3	2.2	3.1	4.0	5.0	5.9	6.8	7.7	8.5
31.25°	0.0	0.7	1.4	2.2	3.2	4.1	5.0	6.0	6.9	7.8	8.6
30°	0.0	0.7	1.4	2.3	3.2	4.2	5.1	6.1	7.0	7.9	8.6
28.75°	0.0	0.7	1.4	2.3	3.3	4.2	5.2	6.1	7.1	8.0	8.7
27.5°	0.0	0.7	1.4	2.3	3.3	4.3	5.3	6.2	7.1	8.1	8.8
26.25°	0.0	0.7	1.4	2.4	3.3	4.3	5.3	6.3	7.2	8.2	8.9
25°	0.0	0.7	1.5	2.4	3.4	4.4	5.4	6.4	7.3	8.2	9.0
23.75°	0.0	0.7	1.5	2.4	3.4	4.4	5.4	6.4	7.4	8.3	9.1
22.5°	0.0	0.7	1.5	2.4	3.5	4.5	5.5	6.5	7.5	8.4	9.1
21.25°	0.0	0.7	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.4	9.2
20°	0.0	0.8	1.5	2.5	3.5	4.6	5.6	6.6	7.6	8.5	9.3
18.75°	0.0	0.8	1.5	2.5	3.6	4.6	5.6	6.7	7.6	8.5	9.3
17.5°	0.0	0.8	1.5	2.5	3.6	4.6	5.7	6.7	7.7	8.6	9.4
16.25°	0.0	0.8	1.5	2.6	3.6	4.7	5.7	6.8	7.8	8.6	9.5
15°	0.0	0.8	1.5	2.6	3.6	4.7	5.8	6.8	7.8	8.7	9.5
13.75°	0.0	0.8	1.6	2.6	3.7	4.7	5.8	6.8	7.9	8.7	9.6
12.5°	0.0	0.8	1.6	2.6	3.7	4.8	5.8	6.9	7.9	8.8	9.6
11.25°	0.0	0.8	1.6	2.6	3.7	4.8	5.9	6.9	7.9	8.8	9.6
10°	0.0	0.8	1.6	2.6	3.7	4.8	5.9	6.9	8.0	8.8	9.7
8.75°	0.0	0.8	1.6	2.7	3.7	4.8	5.9	7.0	8.0	8.9	9.7
7.5°	0.0	0.8	1.6	2.7	3.8	4.9	5.9	7.0	8.0	8.9	9.7
6.25°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.0	8.9	9.7
5°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.1	8.9	9.8
3.75°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.1	8.9	9.8
2.5°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.1	8.9	9.8
1.25°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.1	8.9	9.8
0°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.1	8.1	9.0	9.8
-1.25°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.1	8.9	9.8
-2.5°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.1	8.9	9.8
-3.75°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.1	8.9	9.8
-5°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.1	8.9	9.8
-6.25°	0.0	0.8	1.6	2.7	3.8	4.9	6.0	7.0	8.0	8.9	9.7
-7.5°	0.0	0.8	1.6	2.7	3.8	4.9	5.9	7.0	8.0	8.9	9.7
-8.75°	0.0	0.8	1.6	2.7	3.7	4.8	5.9	7.0	8.0	8.9	9.7
-10°	0.0	0.8	1.6	2.6	3.7	4.8	5.9	6.9	8.0	8.8	9.7
-11.25°	0.0	0.8	1.6	2.6	3.7	4.8	5.9	6.9	7.9	8.8	9.6
-12.5°	0.0	0.8	1.6	2.6	3.7	4.8	5.8	6.9	7.9	8.8	9.6
-13.75°	0.0	0.8	1.6	2.6	3.7	4.7	5.8	6.8	7.9	8.7	9.6
-15°	0.0	0.8	1.5	2.6	3.6	4.7	5.8	6.8	7.8	8.7	9.5
-16.25°	0.0	0.8	1.5	2.6	3.6	4.7	5.7	6.8	7.8	8.6	9.5
-17.5°	0.0	0.8	1.5	2.5	3.6	4.6	5.7	6.7	7.7	8.6	9.4
-18.75°	0.0	0.8	1.5	2.5	3.6	4.6	5.6	6.7	7.6	8.5	9.3
-20°	0.0	0.8	1.5	2.5	3.5	4.6	5.6	6.6	7.6	8.5	9.3
-21.25°	0.0	0.7	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.4	9.2



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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	0.7	1.5	2.4	3.5	4.5	5.5	6.5	7.5	8.4	9.1
-23.75°	0.0	0.7	1.5	2.4	3.4	4.4	5.4	6.4	7.4	8.3	9.1
-25°	0.0	0.7	1.5	2.4	3.4	4.4	5.4	6.4	7.3	8.2	9.0
-26.25°	0.0	0.7	1.4	2.4	3.3	4.3	5.3	6.3	7.2	8.2	8.9
-27.5°	0.0	0.7	1.4	2.3	3.3	4.3	5.3	6.2	7.1	8.1	8.8
-28.75°	0.0	0.7	1.4	2.3	3.3	4.2	5.2	6.1	7.1	8.0	8.7
-30°	0.0	0.7	1.4	2.3	3.2	4.2	5.1	6.1	7.0	7.9	8.6
-31.25°	0.0	0.7	1.4	2.2	3.2	4.1	5.0	6.0	6.9	7.8	8.6
-32.5°	0.0	0.7	1.3	2.2	3.1	4.0	5.0	5.9	6.8	7.7	8.5
-33.75°	0.0	0.7	1.3	2.1	3.1	4.0	4.9	5.8	6.7	7.5	8.3
-35°	0.0	0.7	1.3	2.1	3.0	3.9	4.8	5.7	6.6	7.4	8.2
-36.25°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.6	6.5	7.3	8.1
-37.5°	0.0	0.6	1.3	2.0	2.9	3.8	4.6	5.5	6.4	7.2	8.0
-38.75°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.4	6.2	7.1	7.9
-40°	0.0	0.6	1.2	1.9	2.8	3.6	4.4	5.3	6.1	6.9	7.7
-41.25°	0.0	0.6	1.2	1.9	2.7	3.5	4.4	5.2	6.0	6.8	7.6
-42.5°	0.0	0.6	1.2	1.8	2.6	3.5	4.3	5.1	5.9	6.6	7.4
-43.75°	0.0	0.6	1.2	1.8	2.6	3.4	4.2	5.0	5.7	6.5	7.3
-45°	0.0	0.6	1.1	1.7	2.5	3.3	4.1	4.8	5.6	6.4	7.1
-46.25°	0.0	0.6	1.1	1.7	2.4	3.2	4.0	4.7	5.5	6.2	6.9
-47.5°	0.0	0.5	1.1	1.6	2.4	3.1	3.9	4.6	5.3	6.1	6.8
-48.75°	0.0	0.5	1.1	1.6	2.3	3.0	3.7	4.5	5.2	5.9	6.6
-50°	0.0	0.5	1.0	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4
-51.25°	0.0	0.5	1.0	1.5	2.2	2.8	3.5	4.2	4.9	5.6	6.2
-52.5°	0.0	0.5	1.0	1.5	2.1	2.7	3.4	4.1	4.7	5.4	6.1
-53.75°	0.0	0.5	0.9	1.4	2.0	2.6	3.3	3.9	4.6	5.2	5.9
-55°	0.0	0.5	0.9	1.4	1.9	2.6	3.2	3.8	4.4	5.1	5.7
-56.25°	0.0	0.4	0.9	1.3	1.8	2.5	3.1	3.7	4.3	4.9	5.5
-57.5°	0.0	0.4	0.9	1.3	1.8	2.4	2.9	3.5	4.1	4.7	5.3
-58.75°	0.0	0.4	0.8	1.2	1.7	2.2	2.8	3.4	3.9	4.5	5.1
-60°	0.0	0.4	0.8	1.2	1.6	2.1	2.7	3.2	3.8	4.3	4.9
-61.25°	0.0	0.4	0.8	1.2	1.5	2.0	2.6	3.1	3.6	4.1	4.7
-62.5°	0.0	0.4	0.7	1.1	1.5	1.9	2.4	2.9	3.4	3.9	4.4
-63.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.3	2.8	3.3	3.8	4.2
-65°	0.0	0.3	0.7	1.0	1.4	1.7	2.2	2.6	3.1	3.6	4.0
-66.25°	0.0	0.3	0.6	1.0	1.3	1.6	2.1	2.5	2.9	3.4	3.8
-67.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.9	2.3	2.8	3.2	3.6
-68.75°	0.0	0.3	0.6	0.9	1.2	1.4	1.8	2.2	2.6	3.0	3.4
-70°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.4	2.8	3.1
-71.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.9	2.2	2.6	2.9
-72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	2.0	2.4	2.7
-73.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.9	2.2	2.5
-75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.2
-76.25°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.3	1.5	1.7	2.0
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.8



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4
-81.25°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-83.75°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-86.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
86.25°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
85°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4
83.75°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
82.5°	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3
81.25°	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8
80°	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.8	2.9	3.1	3.3
78.75°	1.7	1.9	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
77.5°	2.0	2.2	2.5	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2
76.25°	2.2	2.5	2.8	3.0	3.3	3.5	3.7	4.0	4.2	4.5	4.7
75°	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.4	4.7	4.9	5.2
73.75°	2.8	3.1	3.4	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7
72.5°	3.0	3.3	3.6	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1
71.25°	3.3	3.6	3.9	4.3	4.6	5.0	5.3	5.6	5.9	6.3	6.6
70°	3.5	3.9	4.2	4.6	5.0	5.3	5.7	6.0	6.4	6.7	7.0
68.75°	3.7	4.1	4.5	4.9	5.3	5.7	6.0	6.4	6.8	7.1	7.4
67.5°	4.0	4.4	4.8	5.2	5.6	6.0	6.4	6.8	7.1	7.5	7.9
66.25°	4.2	4.7	5.1	5.5	5.9	6.4	6.8	7.1	7.5	7.9	8.3
65°	4.5	4.9	5.4	5.8	6.3	6.7	7.1	7.5	7.9	8.3	8.6
63.75°	4.7	5.2	5.7	6.1	6.6	7.0	7.4	7.9	8.3	8.6	9.0
62.5°	4.9	5.4	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.0	9.3
61.25°	5.2	5.7	6.2	6.7	7.2	7.7	8.1	8.5	8.9	9.3	9.7
60°	5.4	5.9	6.5	7.0	7.5	8.0	8.4	8.8	9.2	9.6	9.9
58.75°	5.6	6.2	6.7	7.2	7.8	8.2	8.7	9.1	9.5	9.9	10.1
57.5°	5.9	6.4	7.0	7.5	8.1	8.5	8.9	9.4	9.8	10.0	10.3
56.25°	6.1	6.6	7.2	7.8	8.3	8.7	9.2	9.6	10.0	10.2	10.5
55°	6.3	6.9	7.5	8.0	8.5	9.0	9.5	9.9	10.1	10.4	10.7
53.75°	6.5	7.1	7.7	8.3	8.8	9.2	9.7	10.0	10.3	10.6	10.9
52.5°	6.7	7.3	7.9	8.5	9.0	9.5	9.9	10.2	10.5	10.8	11.3
51.25°	6.9	7.5	8.2	8.7	9.2	9.7	10.0	10.3	10.6	11.1	11.7
50°	7.1	7.7	8.3	8.9	9.4	9.9	10.2	10.5	10.8	11.5	12.1
48.75°	7.3	8.0	8.5	9.1	9.6	10.0	10.3	10.6	11.2	11.8	12.5
47.5°	7.5	8.1	8.7	9.3	9.8	10.1	10.5	10.8	11.5	12.2	12.9
46.25°	7.6	8.3	8.9	9.5	9.9	10.3	10.6	11.1	11.8	12.6	13.3
45°	7.8	8.5	9.1	9.6	10.1	10.4	10.7	11.4	12.2	12.9	13.8
43.75°	8.0	8.6	9.2	9.8	10.2	10.5	11.0	11.7	12.5	13.3	14.2
42.5°	8.2	8.8	9.4	9.9	10.3	10.6	11.2	12.0	12.8	13.7	14.7
41.25°	8.3	8.9	9.6	10.0	10.4	10.8	11.5	12.3	13.1	14.1	15.1
40°	8.4	9.1	9.7	10.1	10.5	11.0	11.8	12.6	13.5	14.5	15.5
38.75°	8.6	9.2	9.8	10.2	10.6	11.2	12.0	12.9	13.9	14.9	15.9
37.5°	8.7	9.4	9.9	10.3	10.7	11.5	12.3	13.2	14.2	15.3	16.4
36.25°	8.8	9.5	10.0	10.4	10.8	11.7	12.6	13.5	14.6	15.6	16.9
35°	8.9	9.6	10.1	10.5	11.0	11.9	12.8	13.8	14.9	16.0	17.3



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	9.1	9.8	10.2	10.6	11.2	12.1	13.0	14.1	15.2	16.5	17.8
32.5°	9.2	9.8	10.3	10.7	11.4	12.4	13.3	14.4	15.5	16.9	18.2
31.25°	9.3	9.9	10.3	10.8	11.6	12.6	13.6	14.7	15.9	17.3	18.6
30°	9.4	10.0	10.4	10.9	11.8	12.8	13.9	15.0	16.2	17.6	19.0
28.75°	9.5	10.0	10.5	11.1	12.0	13.0	14.1	15.3	16.6	18.0	19.5
27.5°	9.6	10.1	10.5	11.2	12.2	13.2	14.4	15.5	16.9	18.4	19.9
26.25°	9.7	10.2	10.6	11.4	12.3	13.4	14.6	15.8	17.3	18.7	20.3
25°	9.8	10.2	10.7	11.5	12.5	13.6	14.8	16.1	17.6	19.0	20.7
23.75°	9.8	10.3	10.7	11.7	12.7	13.8	15.0	16.4	17.9	19.4	21.1
22.5°	9.9	10.3	10.8	11.8	12.8	14.0	15.2	16.6	18.1	19.7	21.5
21.25°	9.9	10.4	10.9	11.9	12.9	14.2	15.4	16.9	18.4	20.1	21.8
20°	10.0	10.4	11.0	12.0	13.1	14.3	15.6	17.1	18.7	20.4	22.1
18.75°	10.0	10.5	11.1	12.2	13.2	14.5	15.8	17.3	18.9	20.7	22.4
17.5°	10.0	10.5	11.2	12.3	13.4	14.7	16.0	17.6	19.1	20.9	22.7
16.25°	10.1	10.6	11.3	12.4	13.5	14.8	16.2	17.8	19.4	21.2	23.0
15°	10.1	10.6	11.4	12.5	13.6	14.9	16.4	17.9	19.6	21.4	23.2
13.75°	10.1	10.6	11.5	12.5	13.7	15.1	16.5	18.1	19.8	21.6	23.5
12.5°	10.2	10.7	11.6	12.6	13.9	15.2	16.7	18.3	20.0	21.8	23.7
11.25°	10.2	10.7	11.6	12.7	13.9	15.3	16.8	18.4	20.2	22.0	23.9
10°	10.2	10.7	11.7	12.8	14.0	15.4	16.9	18.5	20.3	22.2	24.0
8.75°	10.2	10.7	11.7	12.8	14.1	15.4	17.0	18.6	20.5	22.3	24.2
7.5°	10.3	10.7	11.8	12.9	14.2	15.5	17.1	18.7	20.6	22.5	24.3
6.25°	10.3	10.8	11.8	12.9	14.2	15.6	17.2	18.8	20.7	22.6	24.4
5°	10.3	10.8	11.8	12.9	14.3	15.6	17.2	18.9	20.8	22.6	24.5
3.75°	10.3	10.8	11.9	13.0	14.3	15.7	17.3	18.9	20.8	22.7	24.6
2.5°	10.3	10.8	11.9	13.0	14.3	15.7	17.3	19.0	20.9	22.8	24.7
1.25°	10.3	10.8	11.9	13.0	14.3	15.7	17.3	19.0	20.9	22.8	24.7
0°	10.3	10.8	11.9	13.0	14.4	15.7	17.4	19.0	20.9	22.8	24.7
-1.25°	10.3	10.8	11.9	13.0	14.3	15.7	17.3	19.0	20.9	22.8	24.7
-2.5°	10.3	10.8	11.9	13.0	14.3	15.7	17.3	19.0	20.9	22.8	24.7
-3.75°	10.3	10.8	11.9	13.0	14.3	15.7	17.3	18.9	20.8	22.7	24.6
-5°	10.3	10.8	11.8	12.9	14.3	15.6	17.2	18.9	20.8	22.6	24.5
-6.25°	10.3	10.8	11.8	12.9	14.2	15.6	17.2	18.8	20.7	22.6	24.4
-7.5°	10.3	10.7	11.8	12.9	14.2	15.5	17.1	18.7	20.6	22.5	24.3
-8.75°	10.2	10.7	11.7	12.8	14.1	15.4	17.0	18.6	20.5	22.3	24.2
-10°	10.2	10.7	11.7	12.8	14.0	15.4	16.9	18.5	20.3	22.2	24.0
-11.25°	10.2	10.7	11.6	12.7	13.9	15.3	16.8	18.4	20.2	22.0	23.9
-12.5°	10.2	10.7	11.6	12.6	13.9	15.2	16.7	18.3	20.0	21.8	23.7
-13.75°	10.1	10.6	11.5	12.5	13.7	15.1	16.5	18.1	19.8	21.6	23.5
-15°	10.1	10.6	11.4	12.5	13.6	14.9	16.4	17.9	19.6	21.4	23.2
-16.25°	10.1	10.6	11.3	12.4	13.5	14.8	16.2	17.8	19.4	21.2	23.0
-17.5°	10.0	10.5	11.2	12.3	13.4	14.7	16.0	17.6	19.1	20.9	22.7
-18.75°	10.0	10.5	11.1	12.2	13.2	14.5	15.8	17.3	18.9	20.7	22.4
-20°	10.0	10.4	11.0	12.0	13.1	14.3	15.6	17.1	18.7	20.4	22.1
-21.25°	9.9	10.4	10.9	11.9	12.9	14.2	15.4	16.9	18.4	20.1	21.8



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	9.9	10.3	10.8	11.8	12.8	14.0	15.2	16.6	18.1	19.7	21.5
-23.75°	9.8	10.3	10.7	11.7	12.7	13.8	15.0	16.4	17.9	19.4	21.1
-25°	9.8	10.2	10.7	11.5	12.5	13.6	14.8	16.1	17.6	19.0	20.7
-26.25°	9.7	10.2	10.6	11.4	12.3	13.4	14.6	15.8	17.3	18.7	20.3
-27.5°	9.6	10.1	10.5	11.2	12.2	13.2	14.4	15.5	16.9	18.4	19.9
-28.75°	9.5	10.0	10.5	11.1	12.0	13.0	14.1	15.3	16.6	18.0	19.5
-30°	9.4	10.0	10.4	10.9	11.8	12.8	13.9	15.0	16.2	17.6	19.0
-31.25°	9.3	9.9	10.3	10.8	11.6	12.6	13.6	14.7	15.9	17.3	18.6
-32.5°	9.2	9.8	10.3	10.7	11.4	12.4	13.3	14.4	15.5	16.9	18.2
-33.75°	9.1	9.8	10.2	10.6	11.2	12.1	13.0	14.1	15.2	16.5	17.8
-35°	8.9	9.6	10.1	10.5	11.0	11.9	12.8	13.8	14.9	16.0	17.3
-36.25°	8.8	9.5	10.0	10.4	10.8	11.7	12.6	13.5	14.6	15.6	16.9
-37.5°	8.7	9.4	9.9	10.3	10.7	11.5	12.3	13.2	14.2	15.3	16.4
-38.75°	8.6	9.2	9.8	10.2	10.6	11.2	12.0	12.9	13.9	14.9	15.9
-40°	8.4	9.1	9.7	10.1	10.5	11.0	11.8	12.6	13.5	14.5	15.5
-41.25°	8.3	8.9	9.6	10.0	10.4	10.8	11.5	12.3	13.1	14.1	15.1
-42.5°	8.2	8.8	9.4	9.9	10.3	10.6	11.2	12.0	12.8	13.7	14.7
-43.75°	8.0	8.6	9.2	9.8	10.2	10.5	11.0	11.7	12.5	13.3	14.2
-45°	7.8	8.5	9.1	9.6	10.1	10.4	10.7	11.4	12.2	12.9	13.8
-46.25°	7.6	8.3	8.9	9.5	9.9	10.3	10.6	11.1	11.8	12.6	13.3
-47.5°	7.5	8.1	8.7	9.3	9.8	10.1	10.5	10.8	11.5	12.2	12.9
-48.75°	7.3	8.0	8.5	9.1	9.6	10.0	10.3	10.6	11.2	11.8	12.5
-50°	7.1	7.7	8.3	8.9	9.4	9.9	10.2	10.5	10.8	11.5	12.1
-51.25°	6.9	7.5	8.2	8.7	9.2	9.7	10.0	10.3	10.6	11.1	11.7
-52.5°	6.7	7.3	7.9	8.5	9.0	9.5	9.9	10.2	10.5	10.8	11.3
-53.75°	6.5	7.1	7.7	8.3	8.8	9.2	9.7	10.0	10.3	10.6	10.9
-55°	6.3	6.9	7.5	8.0	8.5	9.0	9.5	9.9	10.1	10.4	10.7
-56.25°	6.1	6.6	7.2	7.8	8.3	8.7	9.2	9.6	10.0	10.2	10.5
-57.5°	5.9	6.4	7.0	7.5	8.1	8.5	8.9	9.4	9.8	10.0	10.3
-58.75°	5.6	6.2	6.7	7.2	7.8	8.2	8.7	9.1	9.5	9.9	10.1
-60°	5.4	5.9	6.5	7.0	7.5	8.0	8.4	8.8	9.2	9.6	9.9
-61.25°	5.2	5.7	6.2	6.7	7.2	7.7	8.1	8.5	8.9	9.3	9.7
-62.5°	4.9	5.4	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.0	9.3
-63.75°	4.7	5.2	5.7	6.1	6.6	7.0	7.4	7.9	8.3	8.6	9.0
-65°	4.5	4.9	5.4	5.8	6.3	6.7	7.1	7.5	7.9	8.3	8.6
-66.25°	4.2	4.7	5.1	5.5	5.9	6.4	6.8	7.1	7.5	7.9	8.3
-67.5°	4.0	4.4	4.8	5.2	5.6	6.0	6.4	6.8	7.1	7.5	7.9
-68.75°	3.7	4.1	4.5	4.9	5.3	5.7	6.0	6.4	6.8	7.1	7.4
-70°	3.5	3.9	4.2	4.6	5.0	5.3	5.7	6.0	6.4	6.7	7.0
-71.25°	3.3	3.6	3.9	4.3	4.6	5.0	5.3	5.6	5.9	6.3	6.6
-72.5°	3.0	3.3	3.6	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1
-73.75°	2.8	3.1	3.4	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7
-75°	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.4	4.7	4.9	5.2
-76.25°	2.2	2.5	2.8	3.0	3.3	3.5	3.7	4.0	4.2	4.5	4.7
-77.5°	2.0	2.2	2.5	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.7	1.9	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
-80°	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.8	2.9	3.1	3.3
-81.25°	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8
-82.5°	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3
-83.75°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
-85°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4
-86.25°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-88.75°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
87.5°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
86.25°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
85°	1.5	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.1	2.2	2.2
83.75°	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.6	2.7	2.8	2.9
82.5°	2.4	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6
81.25°	2.9	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.3
80°	3.4	3.6	3.8	3.9	4.1	4.3	4.4	4.6	4.7	4.9	5.0
78.75°	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.6	5.7
77.5°	4.4	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.2	6.4
76.25°	4.9	5.2	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.1
75°	5.4	5.7	5.9	6.2	6.4	6.6	6.9	7.1	7.3	7.5	7.7
73.75°	5.9	6.2	6.5	6.7	7.0	7.2	7.5	7.7	7.9	8.2	8.3
72.5°	6.4	6.7	7.0	7.2	7.5	7.8	8.0	8.3	8.5	8.7	8.9
71.25°	6.9	7.2	7.5	7.8	8.1	8.3	8.5	8.8	9.0	9.2	9.4
70°	7.3	7.7	8.0	8.2	8.5	8.7	9.0	9.2	9.5	9.7	9.9
68.75°	7.8	8.1	8.4	8.7	8.9	9.2	9.5	9.7	9.9	10.0	10.2
67.5°	8.2	8.5	8.8	9.1	9.4	9.6	9.9	10.0	10.2	10.3	10.5
66.25°	8.6	8.9	9.2	9.5	9.8	10.0	10.1	10.3	10.5	10.6	10.8
65°	9.0	9.3	9.6	9.9	10.0	10.2	10.4	10.6	10.8	11.1	11.5
63.75°	9.3	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.3	11.7	12.1
62.5°	9.7	9.9	10.1	10.3	10.5	10.7	11.1	11.5	12.0	12.4	12.8
61.25°	9.9	10.2	10.4	10.6	10.8	11.2	11.7	12.1	12.6	13.0	13.6
60°	10.1	10.4	10.6	10.8	11.3	11.8	12.3	12.7	13.2	13.8	14.3
58.75°	10.3	10.6	10.8	11.3	11.8	12.3	12.8	13.4	14.0	14.6	15.1
57.5°	10.5	10.8	11.3	11.8	12.4	12.9	13.5	14.1	14.7	15.3	16.0
56.25°	10.7	11.2	11.8	12.3	12.9	13.5	14.2	14.8	15.4	16.2	16.9
55°	11.1	11.7	12.3	12.8	13.5	14.2	14.8	15.5	16.3	17.1	17.9
53.75°	11.5	12.1	12.7	13.4	14.1	14.8	15.5	16.3	17.1	18.0	18.8
52.5°	12.0	12.6	13.2	14.0	14.7	15.4	16.3	17.1	18.0	18.9	19.8
51.25°	12.4	13.0	13.8	14.6	15.3	16.2	17.1	18.0	18.9	19.9	20.9
50°	12.8	13.6	14.3	15.1	16.0	16.9	17.9	18.8	19.8	20.9	21.9
48.75°	13.2	14.1	14.9	15.7	16.7	17.7	18.6	19.7	20.8	21.8	22.9
47.5°	13.7	14.6	15.4	16.4	17.4	18.4	19.5	20.6	21.7	22.8	23.9
46.25°	14.2	15.1	16.0	17.1	18.1	19.1	20.3	21.5	22.6	23.8	24.9
45°	14.7	15.6	16.6	17.7	18.8	20.0	21.2	22.4	23.6	24.7	25.9
43.75°	15.1	16.1	17.2	18.4	19.5	20.8	22.0	23.2	24.5	25.7	26.8
42.5°	15.6	16.7	17.9	19.0	20.3	21.6	22.8	24.1	25.3	26.6	27.5
41.25°	16.1	17.3	18.4	19.7	21.0	22.3	23.6	24.9	26.2	27.2	28.1
40°	16.6	17.8	19.0	20.4	21.7	23.1	24.4	25.7	26.9	27.8	28.8
38.75°	17.2	18.4	19.7	21.1	22.5	23.8	25.2	26.5	27.5	28.5	29.4
37.5°	17.7	18.9	20.3	21.7	23.2	24.6	25.9	27.1	28.1	29.1	30.0
36.25°	18.2	19.5	20.9	22.4	23.8	25.3	26.7	27.7	28.7	29.6	30.6
35°	18.6	20.1	21.6	23.0	24.5	25.9	27.2	28.2	29.2	30.2	31.2



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	19.1	20.6	22.1	23.6	25.1	26.6	27.7	28.7	29.7	30.8	31.8
32.5°	19.6	21.2	22.7	24.2	25.8	27.1	28.1	29.2	30.3	31.3	32.3
31.25°	20.1	21.7	23.3	24.8	26.4	27.5	28.6	29.7	30.8	31.8	32.7
30°	20.6	22.2	23.8	25.4	26.8	28.0	29.1	30.2	31.3	32.3	33.2
28.75°	21.1	22.7	24.3	25.9	27.3	28.4	29.5	30.6	31.7	32.7	33.6
27.5°	21.6	23.2	24.8	26.4	27.6	28.8	29.9	31.1	32.2	33.1	34.0
26.25°	22.0	23.6	25.3	26.8	28.0	29.2	30.3	31.5	32.5	33.5	34.3
25°	22.4	24.1	25.8	27.2	28.4	29.6	30.7	31.9	32.9	33.8	34.6
23.75°	22.8	24.5	26.2	27.5	28.7	29.9	31.1	32.2	33.2	34.2	34.9
22.5°	23.2	24.9	26.6	27.8	29.0	30.3	31.5	32.5	33.5	34.4	35.1
21.25°	23.5	25.3	26.9	28.1	29.4	30.6	31.8	32.8	33.8	34.6	35.4
20°	23.9	25.6	27.2	28.4	29.7	30.9	32.1	33.1	34.1	34.9	35.6
18.75°	24.2	26.0	27.4	28.7	29.9	31.2	32.3	33.4	34.3	35.1	35.8
17.5°	24.5	26.3	27.7	28.9	30.2	31.5	32.6	33.6	34.5	35.3	36.0
16.25°	24.8	26.6	27.9	29.2	30.4	31.7	32.8	33.8	34.7	35.4	36.2
15°	25.1	26.8	28.1	29.4	30.7	32.0	33.0	34.1	34.9	35.6	36.4
13.75°	25.3	27.0	28.3	29.6	30.9	32.1	33.2	34.2	35.0	35.8	36.5
12.5°	25.5	27.1	28.5	29.8	31.1	32.3	33.4	34.4	35.1	35.9	36.7
11.25°	25.7	27.3	28.6	29.9	31.2	32.5	33.5	34.5	35.3	36.0	36.8
10°	25.9	27.4	28.8	30.1	31.4	32.6	33.7	34.6	35.4	36.2	36.9
8.75°	26.1	27.6	28.9	30.2	31.5	32.7	33.8	34.7	35.5	36.3	37.0
7.5°	26.2	27.7	29.0	30.3	31.7	32.8	33.9	34.8	35.6	36.3	37.1
6.25°	26.3	27.7	29.1	30.4	31.8	32.9	34.0	34.8	35.6	36.4	37.2
5°	26.4	27.8	29.2	30.5	31.9	33.0	34.1	34.9	35.7	36.5	37.3
3.75°	26.5	27.9	29.2	30.6	31.9	33.0	34.1	34.9	35.7	36.5	37.3
2.5°	26.6	27.9	29.3	30.6	32.0	33.1	34.2	35.0	35.8	36.6	37.4
1.25°	26.6	27.9	29.3	30.6	32.0	33.1	34.2	35.0	35.8	36.6	37.4
0°	26.6	28.0	29.3	30.7	32.0	33.1	34.2	35.0	35.8	36.6	37.4
-1.25°	26.6	27.9	29.3	30.6	32.0	33.1	34.2	35.0	35.8	36.6	37.4
-2.5°	26.6	27.9	29.3	30.6	32.0	33.1	34.2	35.0	35.8	36.6	37.4
-3.75°	26.5	27.9	29.2	30.6	31.9	33.0	34.1	34.9	35.7	36.5	37.3
-5°	26.4	27.8	29.2	30.5	31.9	33.0	34.1	34.9	35.7	36.5	37.3
-6.25°	26.3	27.7	29.1	30.4	31.8	32.9	34.0	34.8	35.6	36.4	37.2
-7.5°	26.2	27.7	29.0	30.3	31.7	32.8	33.9	34.8	35.6	36.3	37.1
-8.75°	26.1	27.6	28.9	30.2	31.5	32.7	33.8	34.7	35.5	36.3	37.0
-10°	25.9	27.4	28.8	30.1	31.4	32.6	33.7	34.6	35.4	36.2	36.9
-11.25°	25.7	27.3	28.6	29.9	31.2	32.5	33.5	34.5	35.3	36.0	36.8
-12.5°	25.5	27.1	28.5	29.8	31.1	32.3	33.4	34.4	35.1	35.9	36.7
-13.75°	25.3	27.0	28.3	29.6	30.9	32.1	33.2	34.2	35.0	35.8	36.5
-15°	25.1	26.8	28.1	29.4	30.7	32.0	33.0	34.1	34.9	35.6	36.4
-16.25°	24.8	26.6	27.9	29.2	30.4	31.7	32.8	33.8	34.7	35.4	36.2
-17.5°	24.5	26.3	27.7	28.9	30.2	31.5	32.6	33.6	34.5	35.3	36.0
-18.75°	24.2	26.0	27.4	28.7	29.9	31.2	32.3	33.4	34.3	35.1	35.8
-20°	23.9	25.6	27.2	28.4	29.7	30.9	32.1	33.1	34.1	34.9	35.6
-21.25°	23.5	25.3	26.9	28.1	29.4	30.6	31.8	32.8	33.8	34.6	35.4



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	23.2	24.9	26.6	27.8	29.0	30.3	31.5	32.5	33.5	34.4	35.1
-23.75°	22.8	24.5	26.2	27.5	28.7	29.9	31.1	32.2	33.2	34.2	34.9
-25°	22.4	24.1	25.8	27.2	28.4	29.6	30.7	31.9	32.9	33.8	34.6
-26.25°	22.0	23.6	25.3	26.8	28.0	29.2	30.3	31.5	32.5	33.5	34.3
-27.5°	21.6	23.2	24.8	26.4	27.6	28.8	29.9	31.1	32.2	33.1	34.0
-28.75°	21.1	22.7	24.3	25.9	27.3	28.4	29.5	30.6	31.7	32.7	33.6
-30°	20.6	22.2	23.8	25.4	26.8	28.0	29.1	30.2	31.3	32.3	33.2
-31.25°	20.1	21.7	23.3	24.8	26.4	27.5	28.6	29.7	30.8	31.8	32.7
-32.5°	19.6	21.2	22.7	24.2	25.8	27.1	28.1	29.2	30.3	31.3	32.3
-33.75°	19.1	20.6	22.1	23.6	25.1	26.6	27.7	28.7	29.7	30.8	31.8
-35°	18.6	20.1	21.6	23.0	24.5	25.9	27.2	28.2	29.2	30.2	31.2
-36.25°	18.2	19.5	20.9	22.4	23.8	25.3	26.7	27.7	28.7	29.6	30.6
-37.5°	17.7	18.9	20.3	21.7	23.2	24.6	25.9	27.1	28.1	29.1	30.0
-38.75°	17.2	18.4	19.7	21.1	22.5	23.8	25.2	26.5	27.5	28.5	29.4
-40°	16.6	17.8	19.0	20.4	21.7	23.1	24.4	25.7	26.9	27.8	28.8
-41.25°	16.1	17.3	18.4	19.7	21.0	22.3	23.6	24.9	26.2	27.2	28.1
-42.5°	15.6	16.7	17.9	19.0	20.3	21.6	22.8	24.1	25.3	26.6	27.5
-43.75°	15.1	16.1	17.2	18.4	19.5	20.8	22.0	23.2	24.5	25.7	26.8
-45°	14.7	15.6	16.6	17.7	18.8	20.0	21.2	22.4	23.6	24.7	25.9
-46.25°	14.2	15.1	16.0	17.1	18.1	19.1	20.3	21.5	22.6	23.8	24.9
-47.5°	13.7	14.6	15.4	16.4	17.4	18.4	19.5	20.6	21.7	22.8	23.9
-48.75°	13.2	14.1	14.9	15.7	16.7	17.7	18.6	19.7	20.8	21.8	22.9
-50°	12.8	13.6	14.3	15.1	16.0	16.9	17.9	18.8	19.8	20.9	21.9
-51.25°	12.4	13.0	13.8	14.6	15.3	16.2	17.1	18.0	18.9	19.9	20.9
-52.5°	12.0	12.6	13.2	14.0	14.7	15.4	16.3	17.1	18.0	18.9	19.8
-53.75°	11.5	12.1	12.7	13.4	14.1	14.8	15.5	16.3	17.1	18.0	18.8
-55°	11.1	11.7	12.3	12.8	13.5	14.2	14.8	15.5	16.3	17.1	17.9
-56.25°	10.7	11.2	11.8	12.3	12.9	13.5	14.2	14.8	15.4	16.2	16.9
-57.5°	10.5	10.8	11.3	11.8	12.4	12.9	13.5	14.1	14.7	15.3	16.0
-58.75°	10.3	10.6	10.8	11.3	11.8	12.3	12.8	13.4	14.0	14.6	15.1
-60°	10.1	10.4	10.6	10.8	11.3	11.8	12.3	12.7	13.2	13.8	14.3
-61.25°	9.9	10.2	10.4	10.6	10.8	11.2	11.7	12.1	12.6	13.0	13.6
-62.5°	9.7	9.9	10.1	10.3	10.5	10.7	11.1	11.5	12.0	12.4	12.8
-63.75°	9.3	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.3	11.7	12.1
-65°	9.0	9.3	9.6	9.9	10.0	10.2	10.4	10.6	10.8	11.1	11.5
-66.25°	8.6	8.9	9.2	9.5	9.8	10.0	10.1	10.3	10.5	10.6	10.8
-67.5°	8.2	8.5	8.8	9.1	9.4	9.6	9.9	10.0	10.2	10.3	10.5
-68.75°	7.8	8.1	8.4	8.7	8.9	9.2	9.5	9.7	9.9	10.0	10.2
-70°	7.3	7.7	8.0	8.2	8.5	8.7	9.0	9.2	9.5	9.7	9.9
-71.25°	6.9	7.2	7.5	7.8	8.1	8.3	8.5	8.8	9.0	9.2	9.4
-72.5°	6.4	6.7	7.0	7.2	7.5	7.8	8.0	8.3	8.5	8.7	8.9
-73.75°	5.9	6.2	6.5	6.7	7.0	7.2	7.5	7.7	7.9	8.2	8.3
-75°	5.4	5.7	5.9	6.2	6.4	6.6	6.9	7.1	7.3	7.5	7.7
-76.25°	4.9	5.2	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.1
-77.5°	4.4	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.2	6.4



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.6	5.7
-80°	3.4	3.6	3.8	3.9	4.1	4.3	4.4	4.6	4.7	4.9	5.0
-81.25°	2.9	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.3
-82.5°	2.4	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6
-83.75°	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.6	2.7	2.8	2.9
-85°	1.5	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.1	2.2	2.2
-86.25°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
-87.5°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
86.25°	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1
85°	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9
83.75°	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8
82.5°	3.7	3.9	4.0	4.1	4.2	4.3	4.4	4.4	4.5	4.6	4.7
81.25°	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.4	5.5	5.6
80°	5.2	5.3	5.5	5.6	5.7	5.9	6.0	6.1	6.2	6.4	6.5
78.75°	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.1	7.2	7.3
77.5°	6.6	6.8	6.9	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.1
76.25°	7.3	7.5	7.6	7.8	8.0	8.2	8.3	8.4	8.6	8.7	8.8
75°	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	9.5
73.75°	8.5	8.7	8.9	9.1	9.2	9.4	9.6	9.7	9.8	9.9	10.0
72.5°	9.1	9.3	9.5	9.6	9.8	9.9	10.0	10.1	10.2	10.3	10.4
71.25°	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8
70°	10.0	10.1	10.3	10.4	10.5	10.6	10.8	11.0	11.2	11.5	11.7
68.75°	10.3	10.5	10.6	10.7	11.0	11.2	11.5	11.8	12.0	12.3	12.6
67.5°	10.6	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.5
66.25°	11.2	11.5	11.8	12.2	12.5	12.8	13.1	13.5	13.9	14.2	14.6
65°	11.8	12.2	12.6	12.9	13.3	13.7	14.1	14.5	14.9	15.3	15.6
63.75°	12.5	12.9	13.3	13.8	14.2	14.7	15.1	15.5	15.9	16.4	16.9
62.5°	13.2	13.7	14.2	14.7	15.1	15.6	16.1	16.6	17.2	17.7	18.2
61.25°	14.1	14.6	15.1	15.6	16.1	16.7	17.3	17.8	18.4	18.9	19.5
60°	14.9	15.4	16.0	16.6	17.2	17.9	18.4	19.0	19.7	20.3	20.9
58.75°	15.7	16.4	17.1	17.7	18.4	19.0	19.7	20.4	21.1	21.7	22.4
57.5°	16.7	17.4	18.1	18.8	19.5	20.3	21.0	21.7	22.5	23.2	23.8
56.25°	17.7	18.4	19.1	20.0	20.8	21.6	22.3	23.1	23.8	24.6	25.3
55°	18.6	19.5	20.3	21.2	22.0	22.8	23.6	24.4	25.2	25.9	26.7
53.75°	19.7	20.6	21.5	22.4	23.2	24.1	24.9	25.7	26.5	27.1	27.7
52.5°	20.8	21.7	22.6	23.6	24.5	25.3	26.2	26.9	27.5	28.1	28.7
51.25°	21.8	22.8	23.8	24.7	25.7	26.6	27.2	27.8	28.5	29.1	29.6
50°	22.9	23.9	24.9	25.9	26.8	27.5	28.1	28.8	29.4	30.0	30.6
48.75°	24.0	25.0	26.0	26.9	27.6	28.3	29.0	29.7	30.3	31.0	31.6
47.5°	25.0	26.1	27.0	27.7	28.4	29.2	29.9	30.6	31.2	31.9	32.5
46.25°	26.0	27.0	27.8	28.5	29.3	30.0	30.7	31.4	32.1	32.7	33.2
45°	26.9	27.7	28.5	29.3	30.1	30.8	31.6	32.3	32.9	33.4	34.0
43.75°	27.6	28.4	29.3	30.1	30.9	31.7	32.3	33.0	33.6	34.2	34.6
42.5°	28.3	29.2	30.0	30.8	31.7	32.4	33.0	33.7	34.3	34.7	35.1
41.25°	29.0	29.9	30.7	31.6	32.3	33.0	33.7	34.3	34.8	35.2	35.7
40°	29.7	30.6	31.4	32.3	33.0	33.7	34.3	34.8	35.3	35.8	36.2
38.75°	30.3	31.2	32.1	32.9	33.6	34.3	34.8	35.3	35.8	36.3	36.7
37.5°	31.0	31.9	32.7	33.4	34.2	34.7	35.2	35.8	36.3	36.8	37.3
36.25°	31.6	32.5	33.2	34.0	34.6	35.1	35.7	36.2	36.7	37.3	37.7
35°	32.2	33.0	33.8	34.5	35.0	35.6	36.1	36.7	37.2	37.6	38.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	32.7	33.5	34.3	34.8	35.4	36.0	36.6	37.1	37.6	38.0	38.3
32.5°	33.1	34.0	34.6	35.2	35.8	36.4	37.0	37.5	37.9	38.3	38.6
31.25°	33.6	34.4	35.0	35.6	36.2	36.8	37.4	37.8	38.2	38.5	38.7
30°	34.0	34.7	35.3	36.0	36.6	37.2	37.7	38.1	38.5	38.7	38.9
28.75°	34.4	35.0	35.7	36.3	36.9	37.5	37.9	38.4	38.6	38.8	39.0
27.5°	34.7	35.4	36.0	36.7	37.3	37.8	38.2	38.6	38.8	38.9	39.3
26.25°	35.0	35.7	36.3	37.0	37.6	38.0	38.5	38.7	38.9	39.2	39.6
25°	35.3	36.0	36.6	37.3	37.8	38.2	38.6	38.8	39.0	39.4	39.9
23.75°	35.6	36.2	36.9	37.5	38.0	38.5	38.7	38.9	39.2	39.7	40.2
22.5°	35.8	36.5	37.2	37.7	38.2	38.6	38.8	39.0	39.5	39.9	40.6
21.25°	36.1	36.8	37.5	37.9	38.4	38.7	38.9	39.2	39.7	40.2	40.9
20°	36.3	37.0	37.6	38.1	38.5	38.8	39.0	39.5	39.9	40.6	41.3
18.75°	36.5	37.3	37.8	38.3	38.6	38.9	39.2	39.7	40.2	40.9	41.7
17.5°	36.7	37.5	38.0	38.5	38.7	38.9	39.4	39.9	40.5	41.2	42.2
16.25°	36.9	37.6	38.1	38.6	38.8	39.0	39.5	40.0	40.8	41.5	42.9
15°	37.1	37.7	38.2	38.6	38.8	39.2	39.7	40.3	41.0	41.8	43.6
13.75°	37.3	37.8	38.4	38.7	38.9	39.3	39.8	40.5	41.3	42.4	44.2
12.5°	37.4	38.0	38.5	38.7	39.0	39.5	40.0	40.7	41.5	43.0	44.7
11.25°	37.5	38.1	38.5	38.8	39.0	39.6	40.1	40.9	41.7	43.5	45.3
10°	37.6	38.2	38.6	38.8	39.2	39.7	40.3	41.1	42.1	43.9	45.9
8.75°	37.7	38.2	38.6	38.9	39.2	39.8	40.4	41.3	42.4	44.3	47.0
7.5°	37.8	38.3	38.7	38.9	39.3	39.9	40.6	41.4	42.8	44.6	48.0
6.25°	37.8	38.4	38.7	38.9	39.4	39.9	40.7	41.5	43.1	44.9	48.8
5°	37.9	38.4	38.7	39.0	39.4	40.0	40.8	41.6	43.3	45.2	49.5
3.75°	37.9	38.5	38.7	39.0	39.5	40.0	40.9	41.7	43.5	45.4	50.1
2.5°	37.9	38.5	38.7	39.0	39.5	40.1	40.9	41.8	43.6	45.5	50.4
1.25°	37.9	38.5	38.7	39.0	39.5	40.1	40.9	41.8	43.7	45.6	50.7
0°	38.0	38.5	38.8	39.0	39.6	40.1	41.0	41.8	43.7	45.6	50.8
-1.25°	37.9	38.5	38.7	39.0	39.5	40.1	40.9	41.8	43.7	45.6	50.7
-2.5°	37.9	38.5	38.7	39.0	39.5	40.1	40.9	41.8	43.6	45.5	50.4
-3.75°	37.9	38.5	38.7	39.0	39.5	40.0	40.9	41.7	43.5	45.4	50.1
-5°	37.9	38.4	38.7	39.0	39.4	40.0	40.8	41.6	43.3	45.2	49.5
-6.25°	37.8	38.4	38.7	38.9	39.4	39.9	40.7	41.5	43.1	44.9	48.8
-7.5°	37.8	38.3	38.7	38.9	39.3	39.9	40.6	41.4	42.8	44.6	48.0
-8.75°	37.7	38.2	38.6	38.9	39.2	39.8	40.4	41.3	42.4	44.3	47.0
-10°	37.6	38.2	38.6	38.8	39.2	39.7	40.3	41.1	42.1	43.9	45.9
-11.25°	37.5	38.1	38.5	38.8	39.0	39.6	40.1	40.9	41.7	43.5	45.3
-12.5°	37.4	38.0	38.5	38.7	39.0	39.5	40.0	40.7	41.5	43.0	44.7
-13.75°	37.3	37.8	38.4	38.7	38.9	39.3	39.8	40.5	41.3	42.4	44.2
-15°	37.1	37.7	38.2	38.6	38.8	39.2	39.7	40.3	41.0	41.8	43.6
-16.25°	36.9	37.6	38.1	38.6	38.8	39.0	39.5	40.0	40.8	41.5	42.9
-17.5°	36.7	37.5	38.0	38.5	38.7	38.9	39.4	39.9	40.5	41.2	42.2
-18.75°	36.5	37.3	37.8	38.3	38.6	38.9	39.2	39.7	40.2	40.9	41.7
-20°	36.3	37.0	37.6	38.1	38.5	38.8	39.0	39.5	39.9	40.6	41.3
-21.25°	36.1	36.8	37.5	37.9	38.4	38.7	38.9	39.2	39.7	40.2	40.9



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	35.8	36.5	37.2	37.7	38.2	38.6	38.8	39.0	39.5	39.9	40.6
-23.75°	35.6	36.2	36.9	37.5	38.0	38.5	38.7	38.9	39.2	39.7	40.2
-25°	35.3	36.0	36.6	37.3	37.8	38.2	38.6	38.8	39.0	39.4	39.9
-26.25°	35.0	35.7	36.3	37.0	37.6	38.0	38.5	38.7	38.9	39.2	39.6
-27.5°	34.7	35.4	36.0	36.7	37.3	37.8	38.2	38.6	38.8	38.9	39.3
-28.75°	34.4	35.0	35.7	36.3	36.9	37.5	37.9	38.4	38.6	38.8	39.0
-30°	34.0	34.7	35.3	36.0	36.6	37.2	37.7	38.1	38.5	38.7	38.9
-31.25°	33.6	34.4	35.0	35.6	36.2	36.8	37.4	37.8	38.2	38.5	38.7
-32.5°	33.1	34.0	34.6	35.2	35.8	36.4	37.0	37.5	37.9	38.3	38.6
-33.75°	32.7	33.5	34.3	34.8	35.4	36.0	36.6	37.1	37.6	38.0	38.3
-35°	32.2	33.0	33.8	34.5	35.0	35.6	36.1	36.7	37.2	37.6	38.0
-36.25°	31.6	32.5	33.2	34.0	34.6	35.1	35.7	36.2	36.7	37.3	37.7
-37.5°	31.0	31.9	32.7	33.4	34.2	34.7	35.2	35.8	36.3	36.8	37.3
-38.75°	30.3	31.2	32.1	32.9	33.6	34.3	34.8	35.3	35.8	36.3	36.7
-40°	29.7	30.6	31.4	32.3	33.0	33.7	34.3	34.8	35.3	35.8	36.2
-41.25°	29.0	29.9	30.7	31.6	32.3	33.0	33.7	34.3	34.8	35.2	35.7
-42.5°	28.3	29.2	30.0	30.8	31.7	32.4	33.0	33.7	34.3	34.7	35.1
-43.75°	27.6	28.4	29.3	30.1	30.9	31.7	32.3	33.0	33.6	34.2	34.6
-45°	26.9	27.7	28.5	29.3	30.1	30.8	31.6	32.3	32.9	33.4	34.0
-46.25°	26.0	27.0	27.8	28.5	29.3	30.0	30.7	31.4	32.1	32.7	33.2
-47.5°	25.0	26.1	27.0	27.7	28.4	29.2	29.9	30.6	31.2	31.9	32.5
-48.75°	24.0	25.0	26.0	26.9	27.6	28.3	29.0	29.7	30.3	31.0	31.6
-50°	22.9	23.9	24.9	25.9	26.8	27.5	28.1	28.8	29.4	30.0	30.6
-51.25°	21.8	22.8	23.8	24.7	25.7	26.6	27.2	27.8	28.5	29.1	29.6
-52.5°	20.8	21.7	22.6	23.6	24.5	25.3	26.2	26.9	27.5	28.1	28.7
-53.75°	19.7	20.6	21.5	22.4	23.2	24.1	24.9	25.7	26.5	27.1	27.7
-55°	18.6	19.5	20.3	21.2	22.0	22.8	23.6	24.4	25.2	25.9	26.7
-56.25°	17.7	18.4	19.1	20.0	20.8	21.6	22.3	23.1	23.8	24.6	25.3
-57.5°	16.7	17.4	18.1	18.8	19.5	20.3	21.0	21.7	22.5	23.2	23.8
-58.75°	15.7	16.4	17.1	17.7	18.4	19.0	19.7	20.4	21.1	21.7	22.4
-60°	14.9	15.4	16.0	16.6	17.2	17.9	18.4	19.0	19.7	20.3	20.9
-61.25°	14.1	14.6	15.1	15.6	16.1	16.7	17.3	17.8	18.4	18.9	19.5
-62.5°	13.2	13.7	14.2	14.7	15.1	15.6	16.1	16.6	17.2	17.7	18.2
-63.75°	12.5	12.9	13.3	13.8	14.2	14.7	15.1	15.5	15.9	16.4	16.9
-65°	11.8	12.2	12.6	12.9	13.3	13.7	14.1	14.5	14.9	15.3	15.6
-66.25°	11.2	11.5	11.8	12.2	12.5	12.8	13.1	13.5	13.9	14.2	14.6
-67.5°	10.6	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.5
-68.75°	10.3	10.5	10.6	10.7	11.0	11.2	11.5	11.8	12.0	12.3	12.6
-70°	10.0	10.1	10.3	10.4	10.5	10.6	10.8	11.0	11.2	11.5	11.7
-71.25°	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8
-72.5°	9.1	9.3	9.5	9.6	9.8	9.9	10.0	10.1	10.2	10.3	10.4
-73.75°	8.5	8.7	8.9	9.1	9.2	9.4	9.6	9.7	9.8	9.9	10.0
-75°	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	9.5
-76.25°	7.3	7.5	7.6	7.8	8.0	8.2	8.3	8.4	8.6	8.7	8.8
-77.5°	6.6	6.8	6.9	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.1



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.1	7.2	7.3
-80°	5.2	5.3	5.5	5.6	5.7	5.9	6.0	6.1	6.2	6.4	6.5
-81.25°	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.4	5.5	5.6
-82.5°	3.7	3.9	4.0	4.1	4.2	4.3	4.4	4.4	4.5	4.6	4.7
-83.75°	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8
-85°	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9
-86.25°	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1
-87.5°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
-88.75°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
86.25°	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.4
85°	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5
83.75°	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5
82.5°	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.4	5.5
81.25°	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.4	6.4	6.5
80°	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5
78.75°	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.3	8.4
77.5°	8.2	8.3	8.5	8.6	8.6	8.7	8.8	8.9	9.0	9.1	9.1
76.25°	8.9	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.8	9.9
75°	9.6	9.8	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3
73.75°	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6	10.7	10.7	10.8
72.5°	10.5	10.6	10.7	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8
71.25°	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.3	12.5	12.7	12.8
70°	11.9	12.1	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0
68.75°	12.8	13.0	13.3	13.6	13.9	14.1	14.4	14.6	14.8	15.0	15.2
67.5°	13.8	14.1	14.4	14.7	15.0	15.3	15.5	15.8	16.1	16.4	16.6
66.25°	14.9	15.2	15.5	15.9	16.2	16.6	16.9	17.3	17.6	17.9	18.1
65°	16.0	16.5	16.9	17.3	17.6	18.0	18.4	18.7	19.0	19.4	19.7
63.75°	17.3	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1	21.5
62.5°	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.0	22.4	22.8	23.2
61.25°	20.1	20.6	21.2	21.7	22.2	22.7	23.2	23.6	24.1	24.5	24.9
60°	21.6	22.1	22.7	23.3	23.8	24.3	24.8	25.3	25.8	26.2	26.6
58.75°	23.0	23.6	24.2	24.8	25.4	25.9	26.4	26.8	27.2	27.5	27.8
57.5°	24.5	25.1	25.8	26.4	26.8	27.3	27.6	28.0	28.4	28.7	29.0
56.25°	25.9	26.6	27.1	27.5	28.0	28.4	28.8	29.2	29.6	29.9	30.3
55°	27.2	27.7	28.1	28.6	29.1	29.5	29.9	30.3	30.7	31.1	31.5
53.75°	28.2	28.7	29.2	29.7	30.2	30.6	31.1	31.5	31.9	32.2	32.5
52.5°	29.2	29.7	30.3	30.8	31.3	31.7	32.2	32.5	32.9	33.2	33.5
51.25°	30.2	30.8	31.3	31.8	32.3	32.7	33.1	33.5	33.8	34.2	34.4
50°	31.2	31.8	32.3	32.7	33.2	33.6	34.0	34.3	34.6	34.9	35.1
48.75°	32.2	32.7	33.1	33.6	34.0	34.4	34.7	35.0	35.3	35.6	35.8
47.5°	33.0	33.5	34.0	34.4	34.7	35.0	35.4	35.7	36.0	36.2	36.5
46.25°	33.8	34.3	34.6	35.0	35.3	35.7	36.0	36.3	36.6	36.9	37.2
45°	34.5	34.8	35.2	35.6	36.0	36.3	36.7	37.0	37.3	37.5	37.7
43.75°	35.0	35.4	35.8	36.2	36.6	36.9	37.3	37.6	37.8	38.0	38.2
42.5°	35.6	36.0	36.4	36.8	37.2	37.5	37.8	38.0	38.2	38.5	38.6
41.25°	36.1	36.6	37.0	37.4	37.7	37.9	38.2	38.5	38.6	38.7	38.8
40°	36.7	37.1	37.5	37.8	38.1	38.4	38.6	38.7	38.8	38.9	39.0
38.75°	37.2	37.6	37.9	38.2	38.5	38.6	38.8	38.9	39.0	39.2	39.5
37.5°	37.6	38.0	38.3	38.5	38.7	38.8	38.9	39.2	39.4	39.7	39.9
36.25°	38.0	38.3	38.6	38.7	38.9	39.0	39.3	39.6	39.9	40.2	40.6
35°	38.3	38.6	38.7	38.9	39.1	39.4	39.7	40.0	40.4	40.8	41.2



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	38.6	38.7	38.9	39.1	39.5	39.8	40.1	40.6	41.1	41.5	42.1
32.5°	38.7	38.9	39.2	39.5	39.8	40.2	40.7	41.2	41.7	42.6	43.6
31.25°	38.9	39.1	39.5	39.9	40.3	40.8	41.3	41.9	43.0	44.1	45.1
30°	39.1	39.5	39.8	40.3	40.8	41.4	42.1	43.3	44.4	45.5	48.2
28.75°	39.4	39.8	40.2	40.8	41.4	42.2	43.4	44.6	46.1	49.2	52.2
27.5°	39.7	40.1	40.7	41.3	42.1	43.4	44.7	46.4	49.7	52.9	56.2
26.25°	40.0	40.6	41.2	41.9	43.3	44.6	46.4	49.9	53.3	57.4	63.8
25°	40.4	41.1	41.7	43.0	44.4	46.1	49.7	53.3	57.8	64.6	71.2
23.75°	40.8	41.5	42.6	44.1	45.5	49.2	52.9	57.4	64.6	71.6	78.8
22.5°	41.2	42.1	43.6	45.1	48.2	52.2	56.2	63.8	71.2	78.8	87.2
21.25°	41.6	43.0	44.6	46.9	51.0	55.1	62.2	70.0	77.8	86.7	95.4
20°	42.3	43.9	45.5	49.5	53.7	59.8	67.9	76.0	85.2	94.4	104.2
18.75°	43.1	44.7	47.7	52.0	56.7	65.1	73.5	82.7	92.3	102.0	115.2
17.5°	43.9	45.5	49.9	54.3	61.5	70.2	79.2	89.2	99.0	111.7	137.6
16.25°	44.6	47.5	52.1	57.2	66.2	75.0	85.1	95.4	107.2	129.0	173.0
15°	45.3	49.4	54.1	61.4	70.5	80.1	90.7	101.3	117.2	152.6	217.0
13.75°	46.5	51.2	56.0	65.3	74.6	85.2	96.0	108.9	134.7	188.2	270.7
12.5°	48.1	52.9	59.4	68.9	78.7	89.8	100.9	117.9	157.6	229.9	328.3
11.25°	49.5	54.4	62.6	72.2	82.8	94.1	107.0	132.2	186.9	274.2	384.7
10°	50.9	55.8	65.4	75.2	86.5	98.0	112.7	146.3	218.5	320.6	443.6
8.75°	52.0	58.1	68.0	78.1	89.8	101.7	121.7	169.1	252.9	364.6	496.9
7.5°	53.0	60.2	70.2	80.9	92.7	105.9	131.5	189.1	283.2	405.8	548.6
6.25°	53.9	62.0	72.1	83.3	95.2	109.5	139.8	207.9	314.1	444.0	593.8
5°	54.6	63.5	73.7	85.2	97.2	112.4	149.1	228.3	340.2	475.7	631.2
3.75°	55.2	64.7	74.9	86.7	98.8	115.2	159.6	244.2	360.7	500.6	662.0
2.5°	55.6	65.5	75.8	87.8	100.0	118.9	167.2	255.7	375.4	520.2	684.3
1.25°	55.8	66.0	76.3	88.5	100.7	121.1	171.7	262.6	384.2	532.3	697.8
0°	55.9	66.2	76.5	88.7	100.9	121.9	173.3	264.9	387.2	536.3	702.3
-1.25°	55.8	66.0	76.3	88.5	100.7	121.1	171.7	262.6	384.2	532.3	697.8
-2.5°	55.6	65.5	75.8	87.8	100.0	118.9	167.2	255.7	375.4	520.2	684.3
-3.75°	55.2	64.7	74.9	86.7	98.8	115.2	159.6	244.2	360.7	500.6	662.0
-5°	54.6	63.5	73.7	85.2	97.2	112.4	149.1	228.3	340.2	475.7	631.2
-6.25°	53.9	62.0	72.1	83.3	95.2	109.5	139.8	207.9	314.1	444.0	593.8
-7.5°	53.0	60.2	70.2	80.9	92.7	105.9	131.5	189.1	283.2	405.8	548.6
-8.75°	52.0	58.1	68.0	78.1	89.8	101.7	121.7	169.1	252.9	364.6	496.9
-10°	50.9	55.8	65.4	75.2	86.5	98.0	112.7	146.3	218.5	320.6	443.6
-11.25°	49.5	54.4	62.6	72.2	82.8	94.1	107.0	132.2	186.9	274.2	384.7
-12.5°	48.1	52.9	59.4	68.9	78.7	89.8	100.9	117.9	157.6	229.9	328.3
-13.75°	46.5	51.2	56.0	65.3	74.6	85.2	96.0	108.9	134.7	188.2	270.7
-15°	45.3	49.4	54.1	61.4	70.5	80.1	90.7	101.3	117.2	152.6	217.0
-16.25°	44.6	47.5	52.1	57.2	66.2	75.0	85.1	95.4	107.2	129.0	173.0
-17.5°	43.9	45.5	49.9	54.3	61.5	70.2	79.2	89.2	99.0	111.7	137.6
-18.75°	43.1	44.7	47.7	52.0	56.7	65.1	73.5	82.7	92.3	102.0	115.2
-20°	42.3	43.9	45.5	49.5	53.7	59.8	67.9	76.0	85.2	94.4	104.2
-21.25°	41.6	43.0	44.6	46.9	51.0	55.1	62.2	70.0	77.8	86.7	95.4



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	41.2	42.1	43.6	45.1	48.2	52.2	56.2	63.8	71.2	78.8	87.2
-23.75°	40.8	41.5	42.6	44.1	45.5	49.2	52.9	57.4	64.6	71.6	78.8
-25°	40.4	41.1	41.7	43.0	44.4	46.1	49.7	53.3	57.8	64.6	71.2
-26.25°	40.0	40.6	41.2	41.9	43.3	44.6	46.4	49.9	53.3	57.4	63.8
-27.5°	39.7	40.1	40.7	41.3	42.1	43.4	44.7	46.4	49.7	52.9	56.2
-28.75°	39.4	39.8	40.2	40.8	41.4	42.2	43.4	44.6	46.1	49.2	52.2
-30°	39.1	39.5	39.8	40.3	40.8	41.4	42.1	43.3	44.4	45.5	48.2
-31.25°	38.9	39.1	39.5	39.9	40.3	40.8	41.3	41.9	43.0	44.1	45.1
-32.5°	38.7	38.9	39.2	39.5	39.8	40.2	40.7	41.2	41.7	42.6	43.6
-33.75°	38.6	38.7	38.9	39.1	39.5	39.8	40.1	40.6	41.1	41.5	42.1
-35°	38.3	38.6	38.7	38.9	39.1	39.4	39.7	40.0	40.4	40.8	41.2
-36.25°	38.0	38.3	38.6	38.7	38.9	39.0	39.3	39.6	39.9	40.2	40.6
-37.5°	37.6	38.0	38.3	38.5	38.7	38.8	38.9	39.2	39.4	39.7	39.9
-38.75°	37.2	37.6	37.9	38.2	38.5	38.6	38.8	38.9	39.0	39.2	39.5
-40°	36.7	37.1	37.5	37.8	38.1	38.4	38.6	38.7	38.8	38.9	39.0
-41.25°	36.1	36.6	37.0	37.4	37.7	37.9	38.2	38.5	38.6	38.7	38.8
-42.5°	35.6	36.0	36.4	36.8	37.2	37.5	37.8	38.0	38.2	38.5	38.6
-43.75°	35.0	35.4	35.8	36.2	36.6	36.9	37.3	37.6	37.8	38.0	38.2
-45°	34.5	34.8	35.2	35.6	36.0	36.3	36.7	37.0	37.3	37.5	37.7
-46.25°	33.8	34.3	34.6	35.0	35.3	35.7	36.0	36.3	36.6	36.9	37.2
-47.5°	33.0	33.5	34.0	34.4	34.7	35.0	35.4	35.7	36.0	36.2	36.5
-48.75°	32.2	32.7	33.1	33.6	34.0	34.4	34.7	35.0	35.3	35.6	35.8
-50°	31.2	31.8	32.3	32.7	33.2	33.6	34.0	34.3	34.6	34.9	35.1
-51.25°	30.2	30.8	31.3	31.8	32.3	32.7	33.1	33.5	33.8	34.2	34.4
-52.5°	29.2	29.7	30.3	30.8	31.3	31.7	32.2	32.5	32.9	33.2	33.5
-53.75°	28.2	28.7	29.2	29.7	30.2	30.6	31.1	31.5	31.9	32.2	32.5
-55°	27.2	27.7	28.1	28.6	29.1	29.5	29.9	30.3	30.7	31.1	31.5
-56.25°	25.9	26.6	27.1	27.5	28.0	28.4	28.8	29.2	29.6	29.9	30.3
-57.5°	24.5	25.1	25.8	26.4	26.8	27.3	27.6	28.0	28.4	28.7	29.0
-58.75°	23.0	23.6	24.2	24.8	25.4	25.9	26.4	26.8	27.2	27.5	27.8
-60°	21.6	22.1	22.7	23.3	23.8	24.3	24.8	25.3	25.8	26.2	26.6
-61.25°	20.1	20.6	21.2	21.7	22.2	22.7	23.2	23.6	24.1	24.5	24.9
-62.5°	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.0	22.4	22.8	23.2
-63.75°	17.3	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1	21.5
-65°	16.0	16.5	16.9	17.3	17.6	18.0	18.4	18.7	19.0	19.4	19.7
-66.25°	14.9	15.2	15.5	15.9	16.2	16.6	16.9	17.3	17.6	17.9	18.1
-67.5°	13.8	14.1	14.4	14.7	15.0	15.3	15.5	15.8	16.1	16.4	16.6
-68.75°	12.8	13.0	13.3	13.6	13.9	14.1	14.4	14.6	14.8	15.0	15.2
-70°	11.9	12.1	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0
-71.25°	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.3	12.5	12.7	12.8
-72.5°	10.5	10.6	10.7	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8
-73.75°	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6	10.7	10.7	10.8
-75°	9.6	9.8	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3
-76.25°	8.9	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.8	9.9
-77.5°	8.2	8.3	8.5	8.6	8.6	8.7	8.8	8.9	9.0	9.1	9.1



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.3	8.4
-80°	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5
-81.25°	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.4	6.4	6.5
-82.5°	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.4	5.5
-83.75°	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5
-85°	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5
-86.25°	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.4
-87.5°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
86.25°	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7
85°	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7
83.75°	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8	4.8
82.5°	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9
81.25°	6.5	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9	7.0
80°	7.5	7.6	7.6	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
78.75°	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.8	8.9
77.5°	9.2	9.3	9.3	9.4	9.5	9.5	9.6	9.6	9.6	9.7	9.7
76.25°	9.9	10.0	10.0	10.0	10.1	10.1	10.1	10.2	10.2	10.2	10.2
75°	10.4	10.4	10.5	10.5	10.6	10.6	10.6	10.7	10.7	10.7	10.7
73.75°	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.7
72.5°	11.9	12.0	12.2	12.3	12.4	12.5	12.5	12.6	12.7	12.8	12.8
71.25°	12.9	13.1	13.2	13.4	13.5	13.6	13.7	13.9	13.9	14.0	14.1
70°	14.2	14.3	14.5	14.7	14.8	14.9	15.1	15.2	15.3	15.4	15.4
68.75°	15.4	15.6	15.8	16.0	16.2	16.4	16.5	16.7	16.8	16.9	17.0
67.5°	16.9	17.1	17.3	17.6	17.8	17.9	18.1	18.3	18.4	18.5	18.6
66.25°	18.4	18.7	18.9	19.1	19.4	19.6	19.8	20.0	20.2	20.3	20.5
65°	20.1	20.4	20.7	20.9	21.2	21.4	21.6	21.8	22.0	22.2	22.3
63.75°	21.8	22.1	22.4	22.7	23.0	23.2	23.5	23.7	23.9	24.0	24.2
62.5°	23.5	23.9	24.2	24.5	24.8	25.1	25.3	25.5	25.7	25.9	26.1
61.25°	25.3	25.6	26.0	26.3	26.6	26.8	27.0	27.1	27.3	27.4	27.6
60°	26.9	27.2	27.4	27.7	27.9	28.1	28.3	28.5	28.6	28.8	28.9
58.75°	28.1	28.4	28.7	28.9	29.2	29.4	29.6	29.8	29.9	30.1	30.2
57.5°	29.4	29.7	29.9	30.2	30.4	30.7	30.9	31.1	31.2	31.4	31.5
56.25°	30.6	30.9	31.2	31.5	31.7	32.0	32.1	32.3	32.5	32.6	32.7
55°	31.8	32.1	32.3	32.6	32.8	33.0	33.2	33.4	33.5	33.7	33.8
53.75°	32.8	33.1	33.4	33.6	33.8	34.1	34.2	34.4	34.5	34.6	34.7
52.5°	33.8	34.1	34.3	34.5	34.7	34.9	35.0	35.1	35.3	35.4	35.5
51.25°	34.6	34.9	35.1	35.3	35.4	35.6	35.8	35.9	36.0	36.2	36.3
50°	35.4	35.6	35.8	36.0	36.2	36.4	36.5	36.7	36.8	36.9	37.0
48.75°	36.1	36.3	36.5	36.7	36.9	37.1	37.3	37.4	37.5	37.6	37.7
47.5°	36.8	37.0	37.3	37.5	37.6	37.7	37.8	38.0	38.1	38.2	38.2
46.25°	37.5	37.6	37.8	38.0	38.1	38.2	38.4	38.5	38.5	38.6	38.6
45°	37.9	38.1	38.3	38.5	38.6	38.6	38.7	38.7	38.8	38.8	38.9
43.75°	38.4	38.5	38.6	38.7	38.8	38.8	38.9	39.0	39.0	39.2	39.2
42.5°	38.7	38.8	38.9	38.9	39.0	39.2	39.3	39.5	39.6	39.7	39.8
41.25°	38.9	39.0	39.2	39.4	39.5	39.7	39.8	40.0	40.1	40.3	40.4
40°	39.2	39.5	39.7	39.9	40.0	40.3	40.5	40.7	40.9	41.1	41.3
38.75°	39.7	39.9	40.2	40.5	40.8	41.0	41.3	41.5	41.7	42.1	42.4
37.5°	40.2	40.6	40.9	41.2	41.5	41.8	42.4	43.0	43.5	43.9	44.3
36.25°	40.9	41.3	41.7	42.2	42.9	43.6	44.2	44.7	45.3	45.9	47.0
35°	41.6	42.3	43.1	43.9	44.6	45.3	46.5	48.1	49.5	50.9	52.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	43.0	43.9	44.7	45.5	47.5	49.4	51.2	52.9	54.4	55.8	58.1
32.5°	44.6	45.5	47.7	49.9	52.1	54.1	56.0	59.4	62.6	65.4	68.0
31.25°	46.9	49.5	52.0	54.3	57.2	61.4	65.3	68.9	72.2	75.2	78.1
30°	51.0	53.7	56.7	61.5	66.2	70.5	74.6	78.7	82.8	86.5	89.8
28.75°	55.1	59.8	65.1	70.2	75.0	80.1	85.2	89.8	94.1	98.0	101.7
27.5°	62.2	67.9	73.5	79.2	85.1	90.7	96.0	100.9	107.0	112.7	121.7
26.25°	70.0	76.0	82.7	89.2	95.4	101.3	108.9	117.9	132.2	146.3	169.1
25°	77.8	85.2	92.3	99.0	107.2	117.2	134.7	157.6	186.9	218.5	252.9
23.75°	86.7	94.4	102.0	111.7	129.0	152.6	188.2	229.9	274.2	320.6	364.6
22.5°	95.4	104.2	115.2	137.6	173.0	217.0	270.7	328.3	384.7	443.6	496.9
21.25°	105.0	118.6	142.7	186.7	242.3	305.2	373.4	444.8	514.0	583.6	647.1
20°	118.6	144.7	193.6	257.7	330.7	408.9	491.0	575.6	656.7	733.9	802.8
18.75°	142.7	193.6	262.8	343.5	431.7	524.4	620.3	714.6	802.4	882.0	950.6
17.5°	186.7	257.7	343.5	439.3	542.0	648.3	753.9	851.8	940.2	1018.5	1093.0
16.25°	242.3	330.7	431.7	542.0	657.9	773.7	881.8	978.7	1070.3	1157.6	1239.9
15°	305.2	408.9	524.4	648.3	773.7	891.9	998.2	1102.2	1203.1	1298.9	1388.3
13.75°	373.4	491.0	620.3	753.9	881.8	998.2	1112.9	1226.2	1335.6	1438.9	1531.3
12.5°	444.8	575.6	714.6	851.8	978.7	1102.2	1226.2	1348.0	1464.0	1570.3	1664.2
11.25°	514.0	656.7	802.4	940.2	1070.3	1203.1	1335.6	1464.0	1583.0	1690.8	1784.9
10°	583.6	733.9	882.0	1018.5	1157.6	1298.9	1438.9	1570.3	1690.8	1798.1	1892.7
8.75°	647.1	802.8	950.6	1093.0	1239.9	1388.3	1531.3	1664.2	1784.9	1892.7	1989.7
7.5°	705.4	863.2	1010.3	1159.7	1313.9	1467.4	1612.2	1745.8	1866.7	1976.3	2074.5
6.25°	755.7	914.5	1063.6	1219.6	1379.2	1535.3	1681.9	1815.9	1937.1	2048.3	2147.9
5°	796.8	954.8	1108.9	1269.7	1434.0	1591.2	1737.7	1871.7	1995.2	2107.1	2210.4
3.75°	828.9	986.7	1144.7	1309.7	1476.2	1634.6	1781.9	1916.7	2041.0	2154.0	2259.2
2.5°	852.0	1009.7	1171.0	1339.0	1506.8	1666.2	1813.9	1948.3	2073.0	2188.4	2295.6
1.25°	866.0	1023.6	1187.2	1356.8	1525.4	1685.5	1832.2	1967.4	2092.6	2209.6	2316.5
0°	870.7	1028.2	1192.6	1362.8	1531.7	1691.9	1838.4	1973.9	2099.3	2216.8	2323.2
-1.25°	866.0	1023.6	1187.2	1356.8	1525.4	1685.5	1832.2	1967.4	2092.6	2209.6	2316.5
-2.5°	852.0	1009.7	1171.0	1339.0	1506.8	1666.2	1813.9	1948.3	2073.0	2188.4	2295.6
-3.75°	828.9	986.7	1144.7	1309.7	1476.2	1634.6	1781.9	1916.7	2041.0	2154.0	2259.2
-5°	796.8	954.8	1108.9	1269.7	1434.0	1591.2	1737.7	1871.7	1995.2	2107.1	2210.4
-6.25°	755.7	914.5	1063.6	1219.6	1379.2	1535.3	1681.9	1815.9	1937.1	2048.3	2147.9
-7.5°	705.4	863.2	1010.3	1159.7	1313.9	1467.4	1612.2	1745.8	1866.7	1976.3	2074.5
-8.75°	647.1	802.8	950.6	1093.0	1239.9	1388.3	1531.3	1664.2	1784.9	1892.7	1989.7
-10°	583.6	733.9	882.0	1018.5	1157.6	1298.9	1438.9	1570.3	1690.8	1798.1	1892.7
-11.25°	514.0	656.7	802.4	940.2	1070.3	1203.1	1335.6	1464.0	1583.0	1690.8	1784.9
-12.5°	444.8	575.6	714.6	851.8	978.7	1102.2	1226.2	1348.0	1464.0	1570.3	1664.2
-13.75°	373.4	491.0	620.3	753.9	881.8	998.2	1112.9	1226.2	1335.6	1438.9	1531.3
-15°	305.2	408.9	524.4	648.3	773.7	891.9	998.2	1102.2	1203.1	1298.9	1388.3
-16.25°	242.3	330.7	431.7	542.0	657.9	773.7	881.8	978.7	1070.3	1157.6	1239.9
-17.5°	186.7	257.7	343.5	439.3	542.0	648.3	753.9	851.8	940.2	1018.5	1093.0
-18.75°	142.7	193.6	262.8	343.5	431.7	524.4	620.3	714.6	802.4	882.0	950.6
-20°	118.6	144.7	193.6	257.7	330.7	408.9	491.0	575.6	656.7	733.9	802.8
-21.25°	105.0	118.6	142.7	186.7	242.3	305.2	373.4	444.8	514.0	583.6	647.1



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	95.4	104.2	115.2	137.6	173.0	217.0	270.7	328.3	384.7	443.6	496.9
-23.75°	86.7	94.4	102.0	111.7	129.0	152.6	188.2	229.9	274.2	320.6	364.6
-25°	77.8	85.2	92.3	99.0	107.2	117.2	134.7	157.6	186.9	218.5	252.9
-26.25°	70.0	76.0	82.7	89.2	95.4	101.3	108.9	117.9	132.2	146.3	169.1
-27.5°	62.2	67.9	73.5	79.2	85.1	90.7	96.0	100.9	107.0	112.7	121.7
-28.75°	55.1	59.8	65.1	70.2	75.0	80.1	85.2	89.8	94.1	98.0	101.7
-30°	51.0	53.7	56.7	61.5	66.2	70.5	74.6	78.7	82.8	86.5	89.8
-31.25°	46.9	49.5	52.0	54.3	57.2	61.4	65.3	68.9	72.2	75.2	78.1
-32.5°	44.6	45.5	47.7	49.9	52.1	54.1	56.0	59.4	62.6	65.4	68.0
-33.75°	43.0	43.9	44.7	45.5	47.5	49.4	51.2	52.9	54.4	55.8	58.1
-35°	41.6	42.3	43.1	43.9	44.6	45.3	46.5	48.1	49.5	50.9	52.0
-36.25°	40.9	41.3	41.7	42.2	42.9	43.6	44.2	44.7	45.3	45.9	47.0
-37.5°	40.2	40.6	40.9	41.2	41.5	41.8	42.4	43.0	43.5	43.9	44.3
-38.75°	39.7	39.9	40.2	40.5	40.8	41.0	41.3	41.5	41.7	42.1	42.4
-40°	39.2	39.5	39.7	39.9	40.0	40.3	40.5	40.7	40.9	41.1	41.3
-41.25°	38.9	39.0	39.2	39.4	39.5	39.7	39.8	40.0	40.1	40.3	40.4
-42.5°	38.7	38.8	38.9	38.9	39.0	39.2	39.3	39.5	39.6	39.7	39.8
-43.75°	38.4	38.5	38.6	38.7	38.8	38.8	38.9	39.0	39.0	39.2	39.2
-45°	37.9	38.1	38.3	38.5	38.6	38.6	38.7	38.7	38.8	38.8	38.9
-46.25°	37.5	37.6	37.8	38.0	38.1	38.2	38.4	38.5	38.5	38.6	38.6
-47.5°	36.8	37.0	37.3	37.5	37.6	37.7	37.8	38.0	38.1	38.2	38.2
-48.75°	36.1	36.3	36.5	36.7	36.9	37.1	37.3	37.4	37.5	37.6	37.7
-50°	35.4	35.6	35.8	36.0	36.2	36.4	36.5	36.7	36.8	36.9	37.0
-51.25°	34.6	34.9	35.1	35.3	35.4	35.6	35.8	35.9	36.0	36.2	36.3
-52.5°	33.8	34.1	34.3	34.5	34.7	34.9	35.0	35.1	35.3	35.4	35.5
-53.75°	32.8	33.1	33.4	33.6	33.8	34.1	34.2	34.4	34.5	34.6	34.7
-55°	31.8	32.1	32.3	32.6	32.8	33.0	33.2	33.4	33.5	33.7	33.8
-56.25°	30.6	30.9	31.2	31.5	31.7	32.0	32.1	32.3	32.5	32.6	32.7
-57.5°	29.4	29.7	29.9	30.2	30.4	30.7	30.9	31.1	31.2	31.4	31.5
-58.75°	28.1	28.4	28.7	28.9	29.2	29.4	29.6	29.8	29.9	30.1	30.2
-60°	26.9	27.2	27.4	27.7	27.9	28.1	28.3	28.5	28.6	28.8	28.9
-61.25°	25.3	25.6	26.0	26.3	26.6	26.8	27.0	27.1	27.3	27.4	27.6
-62.5°	23.5	23.9	24.2	24.5	24.8	25.1	25.3	25.5	25.7	25.9	26.1
-63.75°	21.8	22.1	22.4	22.7	23.0	23.2	23.5	23.7	23.9	24.0	24.2
-65°	20.1	20.4	20.7	20.9	21.2	21.4	21.6	21.8	22.0	22.2	22.3
-66.25°	18.4	18.7	18.9	19.1	19.4	19.6	19.8	20.0	20.2	20.3	20.5
-67.5°	16.9	17.1	17.3	17.6	17.8	17.9	18.1	18.3	18.4	18.5	18.6
-68.75°	15.4	15.6	15.8	16.0	16.2	16.4	16.5	16.7	16.8	16.9	17.0
-70°	14.2	14.3	14.5	14.7	14.8	14.9	15.1	15.2	15.3	15.4	15.4
-71.25°	12.9	13.1	13.2	13.4	13.5	13.6	13.7	13.9	13.9	14.0	14.1
-72.5°	11.9	12.0	12.2	12.3	12.4	12.5	12.5	12.6	12.7	12.8	12.8
-73.75°	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.7
-75°	10.4	10.4	10.5	10.5	10.6	10.6	10.6	10.7	10.7	10.7	10.7
-76.25°	9.9	10.0	10.0	10.0	10.1	10.1	10.1	10.2	10.2	10.2	10.2
-77.5°	9.2	9.3	9.3	9.4	9.5	9.5	9.6	9.6	9.6	9.7	9.7



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.8	8.9
-80°	7.5	7.6	7.6	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
-81.25°	6.5	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9	7.0
-82.5°	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9
-83.75°	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8	4.8
-85°	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7
-86.25°	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7
-87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
-88.75°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
86.25°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
83.75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
81.25°	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.0	7.0
80°	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
78.75°	8.9	8.9	8.9	8.9	8.9	8.9	9.0	8.9	8.9	8.9	8.9
77.5°	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
76.25°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
75°	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
73.75°	11.8	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.8
72.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
71.25°	14.2	14.2	14.3	14.3	14.3	14.3	14.4	14.3	14.3	14.3	14.3
70°	15.5	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.6
68.75°	17.1	17.2	17.2	17.3	17.3	17.3	17.4	17.3	17.3	17.3	17.2
67.5°	18.7	18.8	18.9	18.9	19.0	19.0	19.0	19.0	19.0	18.9	18.9
66.25°	20.6	20.7	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.8	20.8
65°	22.5	22.6	22.6	22.7	22.8	22.8	22.8	22.8	22.8	22.7	22.6
63.75°	24.3	24.4	24.5	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.5
62.5°	26.2	26.3	26.4	26.5	26.6	26.6	26.6	26.6	26.6	26.5	26.4
61.25°	27.7	27.7	27.8	27.9	27.9	27.9	28.0	27.9	27.9	27.9	27.8
60°	29.0	29.1	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.2	29.2
58.75°	30.3	30.4	30.5	30.6	30.6	30.6	30.7	30.6	30.6	30.6	30.5
57.5°	31.7	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	31.9	31.9
56.25°	32.8	32.9	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.0	33.0
55°	33.9	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.1	34.1
53.75°	34.8	34.8	34.9	34.9	35.0	35.0	35.0	35.0	35.0	34.9	34.9
52.5°	35.6	35.6	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.7	35.7
51.25°	36.3	36.4	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.5	36.5
50°	37.1	37.2	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.3	37.3
48.75°	37.8	37.8	37.9	37.9	37.9	37.9	38.0	37.9	37.9	37.9	37.9
47.5°	38.3	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.4
46.25°	38.7	38.7	38.7	38.7	38.7	38.7	38.8	38.7	38.7	38.7	38.7
45°	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
43.75°	39.3	39.4	39.4	39.5	39.5	39.5	39.6	39.5	39.5	39.5	39.4
42.5°	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.0	40.0
41.25°	40.6	40.7	40.8	40.9	40.9	40.9	41.0	40.9	40.9	40.9	40.8
40°	41.4	41.5	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.7	41.6
38.75°	42.8	43.1	43.3	43.5	43.6	43.7	43.7	43.7	43.6	43.5	43.3
37.5°	44.6	44.9	45.2	45.4	45.5	45.6	45.6	45.6	45.5	45.4	45.2
36.25°	48.0	48.8	49.5	50.1	50.4	50.7	50.8	50.7	50.4	50.1	49.5
35°	53.0	53.9	54.6	55.2	55.6	55.8	55.9	55.8	55.6	55.2	54.6



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	60.2	62.0	63.5	64.7	65.5	66.0	66.2	66.0	65.5	64.7	63.5
32.5°	70.2	72.1	73.7	74.9	75.8	76.3	76.5	76.3	75.8	74.9	73.7
31.25°	80.9	83.3	85.2	86.7	87.8	88.5	88.7	88.5	87.8	86.7	85.2
30°	92.7	95.2	97.2	98.8	100.0	100.7	100.9	100.7	100.0	98.8	97.2
28.75°	105.9	109.5	112.4	115.2	118.9	121.1	121.9	121.1	118.9	115.2	112.4
27.5°	131.5	139.8	149.1	159.6	167.2	171.7	173.3	171.7	167.2	159.6	149.1
26.25°	189.1	207.9	228.3	244.2	255.7	262.6	264.9	262.6	255.7	244.2	228.3
25°	283.2	314.1	340.2	360.7	375.4	384.2	387.2	384.2	375.4	360.7	340.2
23.75°	405.8	444.0	475.7	500.6	520.2	532.3	536.3	532.3	520.2	500.6	475.7
22.5°	548.6	593.8	631.2	662.0	684.3	697.8	702.3	697.8	684.3	662.0	631.2
21.25°	705.4	755.7	796.8	828.9	852.0	866.0	870.7	866.0	852.0	828.9	796.8
20°	863.2	914.5	954.8	986.7	1009.7	1023.6	1028.2	1023.6	1009.7	986.7	954.8
18.75°	1010.3	1063.6	1108.9	1144.7	1171.0	1187.2	1192.6	1187.2	1171.0	1144.7	1108.9
17.5°	1159.7	1219.6	1269.7	1309.7	1339.0	1356.8	1362.8	1356.8	1339.0	1309.7	1269.7
16.25°	1313.9	1379.2	1434.0	1476.2	1506.8	1525.4	1531.7	1525.4	1506.8	1476.2	1434.0
15°	1467.4	1535.3	1591.2	1634.6	1666.2	1685.5	1691.9	1685.5	1666.2	1634.6	1591.2
13.75°	1612.2	1681.9	1737.7	1781.9	1813.9	1832.2	1838.4	1832.2	1813.9	1781.9	1737.7
12.5°	1745.8	1815.9	1871.7	1916.7	1948.3	1967.4	1973.9	1967.4	1948.3	1916.7	1871.7
11.25°	1866.7	1937.1	1995.2	2041.0	2073.0	2092.6	2099.3	2092.6	2073.0	2041.0	1995.2
10°	1976.3	2048.3	2107.1	2154.0	2188.4	2209.6	2216.8	2209.6	2188.4	2154.0	2107.1
8.75°	2074.5	2147.9	2210.4	2259.2	2295.6	2316.5	2323.2	2316.5	2295.6	2259.2	2210.4
7.5°	2161.6	2238.5	2303.6	2351.5	2387.1	2407.5	2414.5	2407.5	2387.1	2351.5	2303.6
6.25°	2238.5	2317.1	2380.8	2429.1	2462.8	2481.7	2488.2	2481.7	2462.8	2429.1	2380.8
5°	2303.6	2380.8	2443.9	2488.4	2518.2	2536.0	2542.2	2536.0	2518.2	2488.4	2443.9
3.75°	2351.5	2429.1	2488.4	2529.9	2557.2	2573.3	2577.0	2573.3	2557.2	2529.9	2488.4
2.5°	2387.1	2462.8	2518.2	2557.2	2580.8	2592.0	2594.2	2592.0	2580.8	2557.2	2518.2
1.25°	2407.5	2481.7	2536.0	2573.3	2592.0	2599.9	2604.2	2599.9	2592.0	2573.3	2536.0
0°	2414.5	2488.2	2542.2	2577.0	2594.2	2604.2	2613.8	2604.2	2594.2	2577.0	2542.2
-1.25°	2407.5	2481.7	2536.0	2573.3	2592.0	2599.9	2604.2	2599.9	2592.0	2573.3	2536.0
-2.5°	2387.1	2462.8	2518.2	2557.2	2580.8	2592.0	2594.2	2592.0	2580.8	2557.2	2518.2
-3.75°	2351.5	2429.1	2488.4	2529.9	2557.2	2573.3	2577.0	2573.3	2557.2	2529.9	2488.4
-5°	2303.6	2380.8	2443.9	2488.4	2518.2	2536.0	2542.2	2536.0	2518.2	2488.4	2443.9
-6.25°	2238.5	2317.1	2380.8	2429.1	2462.8	2481.7	2488.2	2481.7	2462.8	2429.1	2380.8
-7.5°	2161.6	2238.5	2303.6	2351.5	2387.1	2407.5	2414.5	2407.5	2387.1	2351.5	2303.6
-8.75°	2074.5	2147.9	2210.4	2259.2	2295.6	2316.5	2323.2	2316.5	2295.6	2259.2	2210.4
-10°	1976.3	2048.3	2107.1	2154.0	2188.4	2209.6	2216.8	2209.6	2188.4	2154.0	2107.1
-11.25°	1866.7	1937.1	1995.2	2041.0	2073.0	2092.6	2099.3	2092.6	2073.0	2041.0	1995.2
-12.5°	1745.8	1815.9	1871.7	1916.7	1948.3	1967.4	1973.9	1967.4	1948.3	1916.7	1871.7
-13.75°	1612.2	1681.9	1737.7	1781.9	1813.9	1832.2	1838.4	1832.2	1813.9	1781.9	1737.7
-15°	1467.4	1535.3	1591.2	1634.6	1666.2	1685.5	1691.9	1685.5	1666.2	1634.6	1591.2
-16.25°	1313.9	1379.2	1434.0	1476.2	1506.8	1525.4	1531.7	1525.4	1506.8	1476.2	1434.0
-17.5°	1159.7	1219.6	1269.7	1309.7	1339.0	1356.8	1362.8	1356.8	1339.0	1309.7	1269.7
-18.75°	1010.3	1063.6	1108.9	1144.7	1171.0	1187.2	1192.6	1187.2	1171.0	1144.7	1108.9
-20°	863.2	914.5	954.8	986.7	1009.7	1023.6	1028.2	1023.6	1009.7	986.7	954.8
-21.25°	705.4	755.7	796.8	828.9	852.0	866.0	870.7	866.0	852.0	828.9	796.8



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	548.6	593.8	631.2	662.0	684.3	697.8	702.3	697.8	684.3	662.0	631.2
-23.75°	405.8	444.0	475.7	500.6	520.2	532.3	536.3	532.3	520.2	500.6	475.7
-25°	283.2	314.1	340.2	360.7	375.4	384.2	387.2	384.2	375.4	360.7	340.2
-26.25°	189.1	207.9	228.3	244.2	255.7	262.6	264.9	262.6	255.7	244.2	228.3
-27.5°	131.5	139.8	149.1	159.6	167.2	171.7	173.3	171.7	167.2	159.6	149.1
-28.75°	105.9	109.5	112.4	115.2	118.9	121.1	121.9	121.1	118.9	115.2	112.4
-30°	92.7	95.2	97.2	98.8	100.0	100.7	100.9	100.7	100.0	98.8	97.2
-31.25°	80.9	83.3	85.2	86.7	87.8	88.5	88.7	88.5	87.8	86.7	85.2
-32.5°	70.2	72.1	73.7	74.9	75.8	76.3	76.5	76.3	75.8	74.9	73.7
-33.75°	60.2	62.0	63.5	64.7	65.5	66.0	66.2	66.0	65.5	64.7	63.5
-35°	53.0	53.9	54.6	55.2	55.6	55.8	55.9	55.8	55.6	55.2	54.6
-36.25°	48.0	48.8	49.5	50.1	50.4	50.7	50.8	50.7	50.4	50.1	49.5
-37.5°	44.6	44.9	45.2	45.4	45.5	45.6	45.6	45.6	45.5	45.4	45.2
-38.75°	42.8	43.1	43.3	43.5	43.6	43.7	43.7	43.7	43.6	43.5	43.3
-40°	41.4	41.5	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.7	41.6
-41.25°	40.6	40.7	40.8	40.9	40.9	40.9	41.0	40.9	40.9	40.9	40.8
-42.5°	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.0	40.0
-43.75°	39.3	39.4	39.4	39.5	39.5	39.5	39.6	39.5	39.5	39.5	39.4
-45°	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
-46.25°	38.7	38.7	38.7	38.7	38.7	38.7	38.8	38.7	38.7	38.7	38.7
-47.5°	38.3	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.4
-48.75°	37.8	37.8	37.9	37.9	37.9	37.9	38.0	37.9	37.9	37.9	37.9
-50°	37.1	37.2	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.3	37.3
-51.25°	36.3	36.4	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.5	36.5
-52.5°	35.6	35.6	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.7	35.7
-53.75°	34.8	34.8	34.9	34.9	35.0	35.0	35.0	35.0	35.0	34.9	34.9
-55°	33.9	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.1	34.1
-56.25°	32.8	32.9	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.0	33.0
-57.5°	31.7	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	31.9	31.9
-58.75°	30.3	30.4	30.5	30.6	30.6	30.6	30.7	30.6	30.6	30.6	30.5
-60°	29.0	29.1	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.2	29.2
-61.25°	27.7	27.7	27.8	27.9	27.9	27.9	28.0	27.9	27.9	27.9	27.8
-62.5°	26.2	26.3	26.4	26.5	26.6	26.6	26.6	26.6	26.6	26.5	26.4
-63.75°	24.3	24.4	24.5	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.5
-65°	22.5	22.6	22.6	22.7	22.8	22.8	22.8	22.8	22.8	22.7	22.6
-66.25°	20.6	20.7	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.8	20.8
-67.5°	18.7	18.8	18.9	18.9	19.0	19.0	19.0	19.0	19.0	18.9	18.9
-68.75°	17.1	17.2	17.2	17.3	17.3	17.3	17.4	17.3	17.3	17.3	17.2
-70°	15.5	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.6
-71.25°	14.2	14.2	14.3	14.3	14.3	14.3	14.4	14.3	14.3	14.3	14.3
-72.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
-73.75°	11.8	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.8
-75°	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
-76.25°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
-77.5°	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	8.9	8.9	8.9	8.9	8.9	8.9	9.0	8.9	8.9	8.9	8.9
-80°	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
-81.25°	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.0	7.0
-82.5°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-83.75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
-86.25°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
86.25°	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5
85°	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6
83.75°	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6
82.5°	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6
81.25°	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7
80°	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.6
78.75°	8.9	8.9	8.9	8.8	8.8	8.8	8.7	8.7	8.6	8.6	8.5
77.5°	9.7	9.7	9.7	9.7	9.6	9.6	9.6	9.5	9.5	9.4	9.3
76.25°	10.3	10.3	10.2	10.2	10.2	10.2	10.1	10.1	10.1	10.0	10.0
75°	10.8	10.7	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.5	10.5
73.75°	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.4	11.3	11.2	11.1
72.5°	12.9	12.9	12.8	12.8	12.7	12.6	12.5	12.5	12.4	12.3	12.2
71.25°	14.2	14.2	14.1	14.0	13.9	13.9	13.7	13.6	13.5	13.4	13.2
70°	15.6	15.5	15.4	15.4	15.3	15.2	15.1	14.9	14.8	14.7	14.5
68.75°	17.2	17.1	17.0	16.9	16.8	16.7	16.5	16.4	16.2	16.0	15.8
67.5°	18.8	18.7	18.6	18.5	18.4	18.3	18.1	17.9	17.8	17.6	17.3
66.25°	20.7	20.6	20.5	20.3	20.2	20.0	19.8	19.6	19.4	19.1	18.9
65°	22.6	22.5	22.3	22.2	22.0	21.8	21.6	21.4	21.2	20.9	20.7
63.75°	24.4	24.3	24.2	24.0	23.9	23.7	23.5	23.2	23.0	22.7	22.4
62.5°	26.3	26.2	26.1	25.9	25.7	25.5	25.3	25.1	24.8	24.5	24.2
61.25°	27.7	27.7	27.6	27.4	27.3	27.1	27.0	26.8	26.6	26.3	26.0
60°	29.1	29.0	28.9	28.8	28.6	28.5	28.3	28.1	27.9	27.7	27.4
58.75°	30.4	30.3	30.2	30.1	29.9	29.8	29.6	29.4	29.2	28.9	28.7
57.5°	31.8	31.7	31.5	31.4	31.2	31.1	30.9	30.7	30.4	30.2	29.9
56.25°	32.9	32.8	32.7	32.6	32.5	32.3	32.1	32.0	31.7	31.5	31.2
55°	34.0	33.9	33.8	33.7	33.5	33.4	33.2	33.0	32.8	32.6	32.3
53.75°	34.8	34.8	34.7	34.6	34.5	34.4	34.2	34.1	33.8	33.6	33.4
52.5°	35.6	35.6	35.5	35.4	35.3	35.1	35.0	34.9	34.7	34.5	34.3
51.25°	36.4	36.3	36.3	36.2	36.0	35.9	35.8	35.6	35.4	35.3	35.1
50°	37.2	37.1	37.0	36.9	36.8	36.7	36.5	36.4	36.2	36.0	35.8
48.75°	37.8	37.8	37.7	37.6	37.5	37.4	37.3	37.1	36.9	36.7	36.5
47.5°	38.4	38.3	38.2	38.2	38.1	38.0	37.8	37.7	37.6	37.5	37.3
46.25°	38.7	38.7	38.6	38.6	38.5	38.5	38.4	38.2	38.1	38.0	37.8
45°	38.9	38.9	38.9	38.8	38.8	38.7	38.7	38.6	38.6	38.5	38.3
43.75°	39.4	39.3	39.2	39.2	39.0	39.0	38.9	38.8	38.8	38.7	38.6
42.5°	39.9	39.9	39.8	39.7	39.6	39.5	39.3	39.2	39.0	38.9	38.9
41.25°	40.7	40.6	40.4	40.3	40.1	40.0	39.8	39.7	39.5	39.4	39.2
40°	41.5	41.4	41.3	41.1	40.9	40.7	40.5	40.3	40.0	39.9	39.7
38.75°	43.1	42.8	42.4	42.1	41.7	41.5	41.3	41.0	40.8	40.5	40.2
37.5°	44.9	44.6	44.3	43.9	43.5	43.0	42.4	41.8	41.5	41.2	40.9
36.25°	48.8	48.0	47.0	45.9	45.3	44.7	44.2	43.6	42.9	42.2	41.7
35°	53.9	53.0	52.0	50.9	49.5	48.1	46.5	45.3	44.6	43.9	43.1



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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°	62.0	60.2	58.1	55.8	54.4	52.9	51.2	49.4	47.5	45.5	44.7
32.5°	72.1	70.2	68.0	65.4	62.6	59.4	56.0	54.1	52.1	49.9	47.7
31.25°	83.3	80.9	78.1	75.2	72.2	68.9	65.3	61.4	57.2	54.3	52.0
30°	95.2	92.7	89.8	86.5	82.8	78.7	74.6	70.5	66.2	61.5	56.7
28.75°	109.5	105.9	101.7	98.0	94.1	89.8	85.2	80.1	75.0	70.2	65.1
27.5°	139.8	131.5	121.7	112.7	107.0	100.9	96.0	90.7	85.1	79.2	73.5
26.25°	207.9	189.1	169.1	146.3	132.2	117.9	108.9	101.3	95.4	89.2	82.7
25°	314.1	283.2	252.9	218.5	186.9	157.6	134.7	117.2	107.2	99.0	92.3
23.75°	444.0	405.8	364.6	320.6	274.2	229.9	188.2	152.6	129.0	111.7	102.0
22.5°	593.8	548.6	496.9	443.6	384.7	328.3	270.7	217.0	173.0	137.6	115.2
21.25°	755.7	705.4	647.1	583.6	514.0	444.8	373.4	305.2	242.3	186.7	142.7
20°	914.5	863.2	802.8	733.9	656.7	575.6	491.0	408.9	330.7	257.7	193.6
18.75°	1063.6	1010.3	950.6	882.0	802.4	714.6	620.3	524.4	431.7	343.5	262.8
17.5°	1219.6	1159.7	1093.0	1018.5	940.2	851.8	753.9	648.3	542.0	439.3	343.5
16.25°	1379.2	1313.9	1239.9	1157.6	1070.3	978.7	881.8	773.7	657.9	542.0	431.7
15°	1535.3	1467.4	1388.3	1298.9	1203.1	1102.2	998.2	891.9	773.7	648.3	524.4
13.75°	1681.9	1612.2	1531.3	1438.9	1335.6	1226.2	1112.9	998.2	881.8	753.9	620.3
12.5°	1815.9	1745.8	1664.2	1570.3	1464.0	1348.0	1226.2	1102.2	978.7	851.8	714.6
11.25°	1937.1	1866.7	1784.9	1690.8	1583.0	1464.0	1335.6	1203.1	1070.3	940.2	802.4
10°	2048.3	1976.3	1892.7	1798.1	1690.8	1570.3	1438.9	1298.9	1157.6	1018.5	882.0
8.75°	2147.9	2074.5	1989.7	1892.7	1784.9	1664.2	1531.3	1388.3	1239.9	1093.0	950.6
7.5°	2238.5	2161.6	2074.5	1976.3	1866.7	1745.8	1612.2	1467.4	1313.9	1159.7	1010.3
6.25°	2317.1	2238.5	2147.9	2048.3	1937.1	1815.9	1681.9	1535.3	1379.2	1219.6	1063.6
5°	2380.8	2303.6	2210.4	2107.1	1995.2	1871.7	1737.7	1591.2	1434.0	1269.7	1108.9
3.75°	2429.1	2351.5	2259.2	2154.0	2041.0	1916.7	1781.9	1634.6	1476.2	1309.7	1144.7
2.5°	2462.8	2387.1	2295.6	2188.4	2073.0	1948.3	1813.9	1666.2	1506.8	1339.0	1171.0
1.25°	2481.7	2407.5	2316.5	2209.6	2092.6	1967.4	1832.2	1685.5	1525.4	1356.8	1187.2
0°	2488.2	2414.5	2323.2	2216.8	2099.3	1973.9	1838.4	1691.9	1531.7	1362.8	1192.6
-1.25°	2481.7	2407.5	2316.5	2209.6	2092.6	1967.4	1832.2	1685.5	1525.4	1356.8	1187.2
-2.5°	2462.8	2387.1	2295.6	2188.4	2073.0	1948.3	1813.9	1666.2	1506.8	1339.0	1171.0
-3.75°	2429.1	2351.5	2259.2	2154.0	2041.0	1916.7	1781.9	1634.6	1476.2	1309.7	1144.7
-5°	2380.8	2303.6	2210.4	2107.1	1995.2	1871.7	1737.7	1591.2	1434.0	1269.7	1108.9
-6.25°	2317.1	2238.5	2147.9	2048.3	1937.1	1815.9	1681.9	1535.3	1379.2	1219.6	1063.6
-7.5°	2238.5	2161.6	2074.5	1976.3	1866.7	1745.8	1612.2	1467.4	1313.9	1159.7	1010.3
-8.75°	2147.9	2074.5	1989.7	1892.7	1784.9	1664.2	1531.3	1388.3	1239.9	1093.0	950.6
-10°	2048.3	1976.3	1892.7	1798.1	1690.8	1570.3	1438.9	1298.9	1157.6	1018.5	882.0
-11.25°	1937.1	1866.7	1784.9	1690.8	1583.0	1464.0	1335.6	1203.1	1070.3	940.2	802.4
-12.5°	1815.9	1745.8	1664.2	1570.3	1464.0	1348.0	1226.2	1102.2	978.7	851.8	714.6
-13.75°	1681.9	1612.2	1531.3	1438.9	1335.6	1226.2	1112.9	998.2	881.8	753.9	620.3
-15°	1535.3	1467.4	1388.3	1298.9	1203.1	1102.2	998.2	891.9	773.7	648.3	524.4
-16.25°	1379.2	1313.9	1239.9	1157.6	1070.3	978.7	881.8	773.7	657.9	542.0	431.7
-17.5°	1219.6	1159.7	1093.0	1018.5	940.2	851.8	753.9	648.3	542.0	439.3	343.5
-18.75°	1063.6	1010.3	950.6	882.0	802.4	714.6	620.3	524.4	431.7	343.5	262.8
-20°	914.5	863.2	802.8	733.9	656.7	575.6	491.0	408.9	330.7	257.7	193.6
-21.25°	755.7	705.4	647.1	583.6	514.0	444.8	373.4	305.2	242.3	186.7	142.7



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	593.8	548.6	496.9	443.6	384.7	328.3	270.7	217.0	173.0	137.6	115.2
-23.75°	444.0	405.8	364.6	320.6	274.2	229.9	188.2	152.6	129.0	111.7	102.0
-25°	314.1	283.2	252.9	218.5	186.9	157.6	134.7	117.2	107.2	99.0	92.3
-26.25°	207.9	189.1	169.1	146.3	132.2	117.9	108.9	101.3	95.4	89.2	82.7
-27.5°	139.8	131.5	121.7	112.7	107.0	100.9	96.0	90.7	85.1	79.2	73.5
-28.75°	109.5	105.9	101.7	98.0	94.1	89.8	85.2	80.1	75.0	70.2	65.1
-30°	95.2	92.7	89.8	86.5	82.8	78.7	74.6	70.5	66.2	61.5	56.7
-31.25°	83.3	80.9	78.1	75.2	72.2	68.9	65.3	61.4	57.2	54.3	52.0
-32.5°	72.1	70.2	68.0	65.4	62.6	59.4	56.0	54.1	52.1	49.9	47.7
-33.75°	62.0	60.2	58.1	55.8	54.4	52.9	51.2	49.4	47.5	45.5	44.7
-35°	53.9	53.0	52.0	50.9	49.5	48.1	46.5	45.3	44.6	43.9	43.1
-36.25°	48.8	48.0	47.0	45.9	45.3	44.7	44.2	43.6	42.9	42.2	41.7
-37.5°	44.9	44.6	44.3	43.9	43.5	43.0	42.4	41.8	41.5	41.2	40.9
-38.75°	43.1	42.8	42.4	42.1	41.7	41.5	41.3	41.0	40.8	40.5	40.2
-40°	41.5	41.4	41.3	41.1	40.9	40.7	40.5	40.3	40.0	39.9	39.7
-41.25°	40.7	40.6	40.4	40.3	40.1	40.0	39.8	39.7	39.5	39.4	39.2
-42.5°	39.9	39.9	39.8	39.7	39.6	39.5	39.3	39.2	39.0	38.9	38.9
-43.75°	39.4	39.3	39.2	39.2	39.0	39.0	38.9	38.8	38.8	38.7	38.6
-45°	38.9	38.9	38.9	38.8	38.8	38.7	38.7	38.6	38.6	38.5	38.3
-46.25°	38.7	38.7	38.6	38.6	38.5	38.5	38.4	38.2	38.1	38.0	37.8
-47.5°	38.4	38.3	38.2	38.2	38.1	38.0	37.8	37.7	37.6	37.5	37.3
-48.75°	37.8	37.8	37.7	37.6	37.5	37.4	37.3	37.1	36.9	36.7	36.5
-50°	37.2	37.1	37.0	36.9	36.8	36.7	36.5	36.4	36.2	36.0	35.8
-51.25°	36.4	36.3	36.3	36.2	36.0	35.9	35.8	35.6	35.4	35.3	35.1
-52.5°	35.6	35.6	35.5	35.4	35.3	35.1	35.0	34.9	34.7	34.5	34.3
-53.75°	34.8	34.8	34.7	34.6	34.5	34.4	34.2	34.1	33.8	33.6	33.4
-55°	34.0	33.9	33.8	33.7	33.5	33.4	33.2	33.0	32.8	32.6	32.3
-56.25°	32.9	32.8	32.7	32.6	32.5	32.3	32.1	32.0	31.7	31.5	31.2
-57.5°	31.8	31.7	31.5	31.4	31.2	31.1	30.9	30.7	30.4	30.2	29.9
-58.75°	30.4	30.3	30.2	30.1	29.9	29.8	29.6	29.4	29.2	28.9	28.7
-60°	29.1	29.0	28.9	28.8	28.6	28.5	28.3	28.1	27.9	27.7	27.4
-61.25°	27.7	27.7	27.6	27.4	27.3	27.1	27.0	26.8	26.6	26.3	26.0
-62.5°	26.3	26.2	26.1	25.9	25.7	25.5	25.3	25.1	24.8	24.5	24.2
-63.75°	24.4	24.3	24.2	24.0	23.9	23.7	23.5	23.2	23.0	22.7	22.4
-65°	22.6	22.5	22.3	22.2	22.0	21.8	21.6	21.4	21.2	20.9	20.7
-66.25°	20.7	20.6	20.5	20.3	20.2	20.0	19.8	19.6	19.4	19.1	18.9
-67.5°	18.8	18.7	18.6	18.5	18.4	18.3	18.1	17.9	17.8	17.6	17.3
-68.75°	17.2	17.1	17.0	16.9	16.8	16.7	16.5	16.4	16.2	16.0	15.8
-70°	15.6	15.5	15.4	15.4	15.3	15.2	15.1	14.9	14.8	14.7	14.5
-71.25°	14.2	14.2	14.1	14.0	13.9	13.9	13.7	13.6	13.5	13.4	13.2
-72.5°	12.9	12.9	12.8	12.8	12.7	12.6	12.5	12.5	12.4	12.3	12.2
-73.75°	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.4	11.3	11.2	11.1
-75°	10.8	10.7	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.5	10.5
-76.25°	10.3	10.3	10.2	10.2	10.2	10.2	10.1	10.1	10.1	10.0	10.0
-77.5°	9.7	9.7	9.7	9.7	9.6	9.6	9.6	9.5	9.5	9.4	9.3



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	8.9	8.9	8.9	8.8	8.8	8.8	8.7	8.7	8.6	8.6	8.5
-80°	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.6
-81.25°	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7
-82.5°	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6
-83.75°	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6
-85°	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6
-86.25°	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5
-87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
86.25°	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
85°	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
83.75°	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0
82.5°	5.6	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.1	5.0	5.0
81.25°	6.6	6.5	6.5	6.4	6.4	6.3	6.2	6.1	6.1	6.0	5.9
80°	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8
78.75°	8.5	8.4	8.4	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.7
77.5°	9.3	9.2	9.1	9.1	9.0	8.9	8.8	8.7	8.6	8.6	8.5
76.25°	10.0	9.9	9.9	9.8	9.8	9.7	9.6	9.5	9.4	9.3	9.2
75°	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8
73.75°	11.0	10.9	10.8	10.7	10.7	10.6	10.5	10.5	10.4	10.3	10.3
72.5°	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.8	10.7
71.25°	13.1	12.9	12.8	12.7	12.5	12.3	12.2	12.0	11.8	11.6	11.4
70°	14.3	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4
68.75°	15.6	15.4	15.2	15.0	14.8	14.6	14.4	14.1	13.9	13.6	13.3
67.5°	17.1	16.9	16.6	16.4	16.1	15.8	15.5	15.3	15.0	14.7	14.4
66.25°	18.7	18.4	18.1	17.9	17.6	17.3	16.9	16.6	16.2	15.9	15.5
65°	20.4	20.1	19.7	19.4	19.0	18.7	18.4	18.0	17.6	17.3	16.9
63.75°	22.1	21.8	21.5	21.1	20.7	20.3	19.9	19.5	19.0	18.6	18.2
62.5°	23.9	23.5	23.2	22.8	22.4	22.0	21.6	21.1	20.6	20.1	19.6
61.25°	25.6	25.3	24.9	24.5	24.1	23.6	23.2	22.7	22.2	21.7	21.2
60°	27.2	26.9	26.6	26.2	25.8	25.3	24.8	24.3	23.8	23.3	22.7
58.75°	28.4	28.1	27.8	27.5	27.2	26.8	26.4	25.9	25.4	24.8	24.2
57.5°	29.7	29.4	29.0	28.7	28.4	28.0	27.6	27.3	26.8	26.4	25.8
56.25°	30.9	30.6	30.3	29.9	29.6	29.2	28.8	28.4	28.0	27.5	27.1
55°	32.1	31.8	31.5	31.1	30.7	30.3	29.9	29.5	29.1	28.6	28.1
53.75°	33.1	32.8	32.5	32.2	31.9	31.5	31.1	30.6	30.2	29.7	29.2
52.5°	34.1	33.8	33.5	33.2	32.9	32.5	32.2	31.7	31.3	30.8	30.3
51.25°	34.9	34.6	34.4	34.2	33.8	33.5	33.1	32.7	32.3	31.8	31.3
50°	35.6	35.4	35.1	34.9	34.6	34.3	34.0	33.6	33.2	32.7	32.3
48.75°	36.3	36.1	35.8	35.6	35.3	35.0	34.7	34.4	34.0	33.6	33.1
47.5°	37.0	36.8	36.5	36.2	36.0	35.7	35.4	35.0	34.7	34.4	34.0
46.25°	37.6	37.5	37.2	36.9	36.6	36.3	36.0	35.7	35.3	35.0	34.6
45°	38.1	37.9	37.7	37.5	37.3	37.0	36.7	36.3	36.0	35.6	35.2
43.75°	38.5	38.4	38.2	38.0	37.8	37.6	37.3	36.9	36.6	36.2	35.8
42.5°	38.8	38.7	38.6	38.5	38.2	38.0	37.8	37.5	37.2	36.8	36.4
41.25°	39.0	38.9	38.8	38.7	38.6	38.5	38.2	37.9	37.7	37.4	37.0
40°	39.5	39.2	39.0	38.9	38.8	38.7	38.6	38.4	38.1	37.8	37.5
38.75°	39.9	39.7	39.5	39.2	39.0	38.9	38.8	38.6	38.5	38.2	37.9
37.5°	40.6	40.2	39.9	39.7	39.4	39.2	38.9	38.8	38.7	38.5	38.3
36.25°	41.3	40.9	40.6	40.2	39.9	39.6	39.3	39.0	38.9	38.7	38.6
35°	42.3	41.6	41.2	40.8	40.4	40.0	39.7	39.4	39.1	38.9	38.7

REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	43.9	43.0	42.1	41.5	41.1	40.6	40.1	39.8	39.5	39.1	38.9
32.5°	45.5	44.6	43.6	42.6	41.7	41.2	40.7	40.2	39.8	39.5	39.2
31.25°	49.5	46.9	45.1	44.1	43.0	41.9	41.3	40.8	40.3	39.9	39.5
30°	53.7	51.0	48.2	45.5	44.4	43.3	42.1	41.4	40.8	40.3	39.8
28.75°	59.8	55.1	52.2	49.2	46.1	44.6	43.4	42.2	41.4	40.8	40.2
27.5°	67.9	62.2	56.2	52.9	49.7	46.4	44.7	43.4	42.1	41.3	40.7
26.25°	76.0	70.0	63.8	57.4	53.3	49.9	46.4	44.6	43.3	41.9	41.2
25°	85.2	77.8	71.2	64.6	57.8	53.3	49.7	46.1	44.4	43.0	41.7
23.75°	94.4	86.7	78.8	71.6	64.6	57.4	52.9	49.2	45.5	44.1	42.6
22.5°	104.2	95.4	87.2	78.8	71.2	63.8	56.2	52.2	48.2	45.1	43.6
21.25°	118.6	105.0	95.4	86.7	77.8	70.0	62.2	55.1	51.0	46.9	44.6
20°	144.7	118.6	104.2	94.4	85.2	76.0	67.9	59.8	53.7	49.5	45.5
18.75°	193.6	142.7	115.2	102.0	92.3	82.7	73.5	65.1	56.7	52.0	47.7
17.5°	257.7	186.7	137.6	111.7	99.0	89.2	79.2	70.2	61.5	54.3	49.9
16.25°	330.7	242.3	173.0	129.0	107.2	95.4	85.1	75.0	66.2	57.2	52.1
15°	408.9	305.2	217.0	152.6	117.2	101.3	90.7	80.1	70.5	61.4	54.1
13.75°	491.0	373.4	270.7	188.2	134.7	108.9	96.0	85.2	74.6	65.3	56.0
12.5°	575.6	444.8	328.3	229.9	157.6	117.9	100.9	89.8	78.7	68.9	59.4
11.25°	656.7	514.0	384.7	274.2	186.9	132.2	107.0	94.1	82.8	72.2	62.6
10°	733.9	583.6	443.6	320.6	218.5	146.3	112.7	98.0	86.5	75.2	65.4
8.75°	802.8	647.1	496.9	364.6	252.9	169.1	121.7	101.7	89.8	78.1	68.0
7.5°	863.2	705.4	548.6	405.8	283.2	189.1	131.5	105.9	92.7	80.9	70.2
6.25°	914.5	755.7	593.8	444.0	314.1	207.9	139.8	109.5	95.2	83.3	72.1
5°	954.8	796.8	631.2	475.7	340.2	228.3	149.1	112.4	97.2	85.2	73.7
3.75°	986.7	828.9	662.0	500.6	360.7	244.2	159.6	115.2	98.8	86.7	74.9
2.5°	1009.7	852.0	684.3	520.2	375.4	255.7	167.2	118.9	100.0	87.8	75.8
1.25°	1023.6	866.0	697.8	532.3	384.2	262.6	171.7	121.1	100.7	88.5	76.3
0°	1028.2	870.7	702.3	536.3	387.2	264.9	173.3	121.9	100.9	88.7	76.5
-1.25°	1023.6	866.0	697.8	532.3	384.2	262.6	171.7	121.1	100.7	88.5	76.3
-2.5°	1009.7	852.0	684.3	520.2	375.4	255.7	167.2	118.9	100.0	87.8	75.8
-3.75°	986.7	828.9	662.0	500.6	360.7	244.2	159.6	115.2	98.8	86.7	74.9
-5°	954.8	796.8	631.2	475.7	340.2	228.3	149.1	112.4	97.2	85.2	73.7
-6.25°	914.5	755.7	593.8	444.0	314.1	207.9	139.8	109.5	95.2	83.3	72.1
-7.5°	863.2	705.4	548.6	405.8	283.2	189.1	131.5	105.9	92.7	80.9	70.2
-8.75°	802.8	647.1	496.9	364.6	252.9	169.1	121.7	101.7	89.8	78.1	68.0
-10°	733.9	583.6	443.6	320.6	218.5	146.3	112.7	98.0	86.5	75.2	65.4
-11.25°	656.7	514.0	384.7	274.2	186.9	132.2	107.0	94.1	82.8	72.2	62.6
-12.5°	575.6	444.8	328.3	229.9	157.6	117.9	100.9	89.8	78.7	68.9	59.4
-13.75°	491.0	373.4	270.7	188.2	134.7	108.9	96.0	85.2	74.6	65.3	56.0
-15°	408.9	305.2	217.0	152.6	117.2	101.3	90.7	80.1	70.5	61.4	54.1
-16.25°	330.7	242.3	173.0	129.0	107.2	95.4	85.1	75.0	66.2	57.2	52.1
-17.5°	257.7	186.7	137.6	111.7	99.0	89.2	79.2	70.2	61.5	54.3	49.9
-18.75°	193.6	142.7	115.2	102.0	92.3	82.7	73.5	65.1	56.7	52.0	47.7
-20°	144.7	118.6	104.2	94.4	85.2	76.0	67.9	59.8	53.7	49.5	45.5
-21.25°	118.6	105.0	95.4	86.7	77.8	70.0	62.2	55.1	51.0	46.9	44.6



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	104.2	95.4	87.2	78.8	71.2	63.8	56.2	52.2	48.2	45.1	43.6
-23.75°	94.4	86.7	78.8	71.6	64.6	57.4	52.9	49.2	45.5	44.1	42.6
-25°	85.2	77.8	71.2	64.6	57.8	53.3	49.7	46.1	44.4	43.0	41.7
-26.25°	76.0	70.0	63.8	57.4	53.3	49.9	46.4	44.6	43.3	41.9	41.2
-27.5°	67.9	62.2	56.2	52.9	49.7	46.4	44.7	43.4	42.1	41.3	40.7
-28.75°	59.8	55.1	52.2	49.2	46.1	44.6	43.4	42.2	41.4	40.8	40.2
-30°	53.7	51.0	48.2	45.5	44.4	43.3	42.1	41.4	40.8	40.3	39.8
-31.25°	49.5	46.9	45.1	44.1	43.0	41.9	41.3	40.8	40.3	39.9	39.5
-32.5°	45.5	44.6	43.6	42.6	41.7	41.2	40.7	40.2	39.8	39.5	39.2
-33.75°	43.9	43.0	42.1	41.5	41.1	40.6	40.1	39.8	39.5	39.1	38.9
-35°	42.3	41.6	41.2	40.8	40.4	40.0	39.7	39.4	39.1	38.9	38.7
-36.25°	41.3	40.9	40.6	40.2	39.9	39.6	39.3	39.0	38.9	38.7	38.6
-37.5°	40.6	40.2	39.9	39.7	39.4	39.2	38.9	38.8	38.7	38.5	38.3
-38.75°	39.9	39.7	39.5	39.2	39.0	38.9	38.8	38.6	38.5	38.2	37.9
-40°	39.5	39.2	39.0	38.9	38.8	38.7	38.6	38.4	38.1	37.8	37.5
-41.25°	39.0	38.9	38.8	38.7	38.6	38.5	38.2	37.9	37.7	37.4	37.0
-42.5°	38.8	38.7	38.6	38.5	38.2	38.0	37.8	37.5	37.2	36.8	36.4
-43.75°	38.5	38.4	38.2	38.0	37.8	37.6	37.3	36.9	36.6	36.2	35.8
-45°	38.1	37.9	37.7	37.5	37.3	37.0	36.7	36.3	36.0	35.6	35.2
-46.25°	37.6	37.5	37.2	36.9	36.6	36.3	36.0	35.7	35.3	35.0	34.6
-47.5°	37.0	36.8	36.5	36.2	36.0	35.7	35.4	35.0	34.7	34.4	34.0
-48.75°	36.3	36.1	35.8	35.6	35.3	35.0	34.7	34.4	34.0	33.6	33.1
-50°	35.6	35.4	35.1	34.9	34.6	34.3	34.0	33.6	33.2	32.7	32.3
-51.25°	34.9	34.6	34.4	34.2	33.8	33.5	33.1	32.7	32.3	31.8	31.3
-52.5°	34.1	33.8	33.5	33.2	32.9	32.5	32.2	31.7	31.3	30.8	30.3
-53.75°	33.1	32.8	32.5	32.2	31.9	31.5	31.1	30.6	30.2	29.7	29.2
-55°	32.1	31.8	31.5	31.1	30.7	30.3	29.9	29.5	29.1	28.6	28.1
-56.25°	30.9	30.6	30.3	29.9	29.6	29.2	28.8	28.4	28.0	27.5	27.1
-57.5°	29.7	29.4	29.0	28.7	28.4	28.0	27.6	27.3	26.8	26.4	25.8
-58.75°	28.4	28.1	27.8	27.5	27.2	26.8	26.4	25.9	25.4	24.8	24.2
-60°	27.2	26.9	26.6	26.2	25.8	25.3	24.8	24.3	23.8	23.3	22.7
-61.25°	25.6	25.3	24.9	24.5	24.1	23.6	23.2	22.7	22.2	21.7	21.2
-62.5°	23.9	23.5	23.2	22.8	22.4	22.0	21.6	21.1	20.6	20.1	19.6
-63.75°	22.1	21.8	21.5	21.1	20.7	20.3	19.9	19.5	19.0	18.6	18.2
-65°	20.4	20.1	19.7	19.4	19.0	18.7	18.4	18.0	17.6	17.3	16.9
-66.25°	18.7	18.4	18.1	17.9	17.6	17.3	16.9	16.6	16.2	15.9	15.5
-67.5°	17.1	16.9	16.6	16.4	16.1	15.8	15.5	15.3	15.0	14.7	14.4
-68.75°	15.6	15.4	15.2	15.0	14.8	14.6	14.4	14.1	13.9	13.6	13.3
-70°	14.3	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4
-71.25°	13.1	12.9	12.8	12.7	12.5	12.3	12.2	12.0	11.8	11.6	11.4
-72.5°	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.8	10.7
-73.75°	11.0	10.9	10.8	10.7	10.7	10.6	10.5	10.5	10.4	10.3	10.3
-75°	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8
-76.25°	10.0	9.9	9.9	9.8	9.8	9.7	9.6	9.5	9.4	9.3	9.2
-77.5°	9.3	9.2	9.1	9.1	9.0	8.9	8.8	8.7	8.6	8.6	8.5



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	8.5	8.4	8.4	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.7
-80°	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8
-81.25°	6.6	6.5	6.5	6.4	6.4	6.3	6.2	6.1	6.1	6.0	5.9
-82.5°	5.6	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.1	5.0	5.0
-83.75°	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0
-85°	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
-86.25°	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
-87.5°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
-88.75°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
86.25°	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7
85°	3.1	3.0	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.4
83.75°	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2
82.5°	4.9	4.8	4.7	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.0
81.25°	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.7
80°	6.7	6.6	6.5	6.4	6.2	6.1	6.0	5.9	5.7	5.6	5.5
78.75°	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.6	6.5	6.4	6.2
77.5°	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1	6.9
76.25°	9.1	8.9	8.8	8.7	8.6	8.4	8.3	8.2	8.0	7.8	7.6
75°	9.8	9.6	9.5	9.4	9.2	9.1	8.9	8.8	8.6	8.5	8.3
73.75°	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.2	9.1	8.9
72.5°	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5
71.25°	11.2	11.0	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	9.9
70°	12.1	11.9	11.7	11.5	11.2	11.0	10.8	10.6	10.5	10.4	10.3
68.75°	13.0	12.8	12.6	12.3	12.0	11.8	11.5	11.2	11.0	10.7	10.6
67.5°	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.0	11.7	11.4	11.1
66.25°	15.2	14.9	14.6	14.2	13.9	13.5	13.1	12.8	12.5	12.2	11.8
65°	16.5	16.0	15.6	15.3	14.9	14.5	14.1	13.7	13.3	12.9	12.6
63.75°	17.8	17.3	16.9	16.4	15.9	15.5	15.1	14.7	14.2	13.8	13.3
62.5°	19.1	18.6	18.2	17.7	17.2	16.6	16.1	15.6	15.1	14.7	14.2
61.25°	20.6	20.1	19.5	18.9	18.4	17.8	17.3	16.7	16.1	15.6	15.1
60°	22.1	21.6	20.9	20.3	19.7	19.0	18.4	17.9	17.2	16.6	16.0
58.75°	23.6	23.0	22.4	21.7	21.1	20.4	19.7	19.0	18.4	17.7	17.1
57.5°	25.1	24.5	23.8	23.2	22.5	21.7	21.0	20.3	19.5	18.8	18.1
56.25°	26.6	25.9	25.3	24.6	23.8	23.1	22.3	21.6	20.8	20.0	19.1
55°	27.7	27.2	26.7	25.9	25.2	24.4	23.6	22.8	22.0	21.2	20.3
53.75°	28.7	28.2	27.7	27.1	26.5	25.7	24.9	24.1	23.2	22.4	21.5
52.5°	29.7	29.2	28.7	28.1	27.5	26.9	26.2	25.3	24.5	23.6	22.6
51.25°	30.8	30.2	29.6	29.1	28.5	27.8	27.2	26.6	25.7	24.7	23.8
50°	31.8	31.2	30.6	30.0	29.4	28.8	28.1	27.5	26.8	25.9	24.9
48.75°	32.7	32.2	31.6	31.0	30.3	29.7	29.0	28.3	27.6	26.9	26.0
47.5°	33.5	33.0	32.5	31.9	31.2	30.6	29.9	29.2	28.4	27.7	27.0
46.25°	34.3	33.8	33.2	32.7	32.1	31.4	30.7	30.0	29.3	28.5	27.8
45°	34.8	34.5	34.0	33.4	32.9	32.3	31.6	30.8	30.1	29.3	28.5
43.75°	35.4	35.0	34.6	34.2	33.6	33.0	32.3	31.7	30.9	30.1	29.3
42.5°	36.0	35.6	35.1	34.7	34.3	33.7	33.0	32.4	31.7	30.8	30.0
41.25°	36.6	36.1	35.7	35.2	34.8	34.3	33.7	33.0	32.3	31.6	30.7
40°	37.1	36.7	36.2	35.8	35.3	34.8	34.3	33.7	33.0	32.3	31.4
38.75°	37.6	37.2	36.7	36.3	35.8	35.3	34.8	34.3	33.6	32.9	32.1
37.5°	38.0	37.6	37.3	36.8	36.3	35.8	35.2	34.7	34.2	33.4	32.7
36.25°	38.3	38.0	37.7	37.3	36.7	36.2	35.7	35.1	34.6	34.0	33.2
35°	38.6	38.3	38.0	37.6	37.2	36.7	36.1	35.6	35.0	34.5	33.8



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	38.7	38.6	38.3	38.0	37.6	37.1	36.6	36.0	35.4	34.8	34.3
32.5°	38.9	38.7	38.6	38.3	37.9	37.5	37.0	36.4	35.8	35.2	34.6
31.25°	39.1	38.9	38.7	38.5	38.2	37.8	37.4	36.8	36.2	35.6	35.0
30°	39.5	39.1	38.9	38.7	38.5	38.1	37.7	37.2	36.6	36.0	35.3
28.75°	39.8	39.4	39.0	38.8	38.6	38.4	37.9	37.5	36.9	36.3	35.7
27.5°	40.1	39.7	39.3	38.9	38.8	38.6	38.2	37.8	37.3	36.7	36.0
26.25°	40.6	40.0	39.6	39.2	38.9	38.7	38.5	38.0	37.6	37.0	36.3
25°	41.1	40.4	39.9	39.4	39.0	38.8	38.6	38.2	37.8	37.3	36.6
23.75°	41.5	40.8	40.2	39.7	39.2	38.9	38.7	38.5	38.0	37.5	36.9
22.5°	42.1	41.2	40.6	39.9	39.5	39.0	38.8	38.6	38.2	37.7	37.2
21.25°	43.0	41.6	40.9	40.2	39.7	39.2	38.9	38.7	38.4	37.9	37.5
20°	43.9	42.3	41.3	40.6	39.9	39.5	39.0	38.8	38.5	38.1	37.6
18.75°	44.7	43.1	41.7	40.9	40.2	39.7	39.2	38.9	38.6	38.3	37.8
17.5°	45.5	43.9	42.2	41.2	40.5	39.9	39.4	38.9	38.7	38.5	38.0
16.25°	47.5	44.6	42.9	41.5	40.8	40.0	39.5	39.0	38.8	38.6	38.1
15°	49.4	45.3	43.6	41.8	41.0	40.3	39.7	39.2	38.8	38.6	38.2
13.75°	51.2	46.5	44.2	42.4	41.3	40.5	39.8	39.3	38.9	38.7	38.4
12.5°	52.9	48.1	44.7	43.0	41.5	40.7	40.0	39.5	39.0	38.7	38.5
11.25°	54.4	49.5	45.3	43.5	41.7	40.9	40.1	39.6	39.0	38.8	38.5
10°	55.8	50.9	45.9	43.9	42.1	41.1	40.3	39.7	39.2	38.8	38.6
8.75°	58.1	52.0	47.0	44.3	42.4	41.3	40.4	39.8	39.2	38.9	38.6
7.5°	60.2	53.0	48.0	44.6	42.8	41.4	40.6	39.9	39.3	38.9	38.7
6.25°	62.0	53.9	48.8	44.9	43.1	41.5	40.7	39.9	39.4	38.9	38.7
5°	63.5	54.6	49.5	45.2	43.3	41.6	40.8	40.0	39.4	39.0	38.7
3.75°	64.7	55.2	50.1	45.4	43.5	41.7	40.9	40.0	39.5	39.0	38.7
2.5°	65.5	55.6	50.4	45.5	43.6	41.8	40.9	40.1	39.5	39.0	38.7
1.25°	66.0	55.8	50.7	45.6	43.7	41.8	40.9	40.1	39.5	39.0	38.7
0°	66.2	55.9	50.8	45.6	43.7	41.8	41.0	40.1	39.6	39.0	38.8
-1.25°	66.0	55.8	50.7	45.6	43.7	41.8	40.9	40.1	39.5	39.0	38.7
-2.5°	65.5	55.6	50.4	45.5	43.6	41.8	40.9	40.1	39.5	39.0	38.7
-3.75°	64.7	55.2	50.1	45.4	43.5	41.7	40.9	40.0	39.5	39.0	38.7
-5°	63.5	54.6	49.5	45.2	43.3	41.6	40.8	40.0	39.4	39.0	38.7
-6.25°	62.0	53.9	48.8	44.9	43.1	41.5	40.7	39.9	39.4	38.9	38.7
-7.5°	60.2	53.0	48.0	44.6	42.8	41.4	40.6	39.9	39.3	38.9	38.7
-8.75°	58.1	52.0	47.0	44.3	42.4	41.3	40.4	39.8	39.2	38.9	38.6
-10°	55.8	50.9	45.9	43.9	42.1	41.1	40.3	39.7	39.2	38.8	38.6
-11.25°	54.4	49.5	45.3	43.5	41.7	40.9	40.1	39.6	39.0	38.8	38.5
-12.5°	52.9	48.1	44.7	43.0	41.5	40.7	40.0	39.5	39.0	38.7	38.5
-13.75°	51.2	46.5	44.2	42.4	41.3	40.5	39.8	39.3	38.9	38.7	38.4
-15°	49.4	45.3	43.6	41.8	41.0	40.3	39.7	39.2	38.8	38.6	38.2
-16.25°	47.5	44.6	42.9	41.5	40.8	40.0	39.5	39.0	38.8	38.6	38.1
-17.5°	45.5	43.9	42.2	41.2	40.5	39.9	39.4	38.9	38.7	38.5	38.0
-18.75°	44.7	43.1	41.7	40.9	40.2	39.7	39.2	38.9	38.6	38.3	37.8
-20°	43.9	42.3	41.3	40.6	39.9	39.5	39.0	38.8	38.5	38.1	37.6
-21.25°	43.0	41.6	40.9	40.2	39.7	39.2	38.9	38.7	38.4	37.9	37.5



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	42.1	41.2	40.6	39.9	39.5	39.0	38.8	38.6	38.2	37.7	37.2
-23.75°	41.5	40.8	40.2	39.7	39.2	38.9	38.7	38.5	38.0	37.5	36.9
-25°	41.1	40.4	39.9	39.4	39.0	38.8	38.6	38.2	37.8	37.3	36.6
-26.25°	40.6	40.0	39.6	39.2	38.9	38.7	38.5	38.0	37.6	37.0	36.3
-27.5°	40.1	39.7	39.3	38.9	38.8	38.6	38.2	37.8	37.3	36.7	36.0
-28.75°	39.8	39.4	39.0	38.8	38.6	38.4	37.9	37.5	36.9	36.3	35.7
-30°	39.5	39.1	38.9	38.7	38.5	38.1	37.7	37.2	36.6	36.0	35.3
-31.25°	39.1	38.9	38.7	38.5	38.2	37.8	37.4	36.8	36.2	35.6	35.0
-32.5°	38.9	38.7	38.6	38.3	37.9	37.5	37.0	36.4	35.8	35.2	34.6
-33.75°	38.7	38.6	38.3	38.0	37.6	37.1	36.6	36.0	35.4	34.8	34.3
-35°	38.6	38.3	38.0	37.6	37.2	36.7	36.1	35.6	35.0	34.5	33.8
-36.25°	38.3	38.0	37.7	37.3	36.7	36.2	35.7	35.1	34.6	34.0	33.2
-37.5°	38.0	37.6	37.3	36.8	36.3	35.8	35.2	34.7	34.2	33.4	32.7
-38.75°	37.6	37.2	36.7	36.3	35.8	35.3	34.8	34.3	33.6	32.9	32.1
-40°	37.1	36.7	36.2	35.8	35.3	34.8	34.3	33.7	33.0	32.3	31.4
-41.25°	36.6	36.1	35.7	35.2	34.8	34.3	33.7	33.0	32.3	31.6	30.7
-42.5°	36.0	35.6	35.1	34.7	34.3	33.7	33.0	32.4	31.7	30.8	30.0
-43.75°	35.4	35.0	34.6	34.2	33.6	33.0	32.3	31.7	30.9	30.1	29.3
-45°	34.8	34.5	34.0	33.4	32.9	32.3	31.6	30.8	30.1	29.3	28.5
-46.25°	34.3	33.8	33.2	32.7	32.1	31.4	30.7	30.0	29.3	28.5	27.8
-47.5°	33.5	33.0	32.5	31.9	31.2	30.6	29.9	29.2	28.4	27.7	27.0
-48.75°	32.7	32.2	31.6	31.0	30.3	29.7	29.0	28.3	27.6	26.9	26.0
-50°	31.8	31.2	30.6	30.0	29.4	28.8	28.1	27.5	26.8	25.9	24.9
-51.25°	30.8	30.2	29.6	29.1	28.5	27.8	27.2	26.6	25.7	24.7	23.8
-52.5°	29.7	29.2	28.7	28.1	27.5	26.9	26.2	25.3	24.5	23.6	22.6
-53.75°	28.7	28.2	27.7	27.1	26.5	25.7	24.9	24.1	23.2	22.4	21.5
-55°	27.7	27.2	26.7	25.9	25.2	24.4	23.6	22.8	22.0	21.2	20.3
-56.25°	26.6	25.9	25.3	24.6	23.8	23.1	22.3	21.6	20.8	20.0	19.1
-57.5°	25.1	24.5	23.8	23.2	22.5	21.7	21.0	20.3	19.5	18.8	18.1
-58.75°	23.6	23.0	22.4	21.7	21.1	20.4	19.7	19.0	18.4	17.7	17.1
-60°	22.1	21.6	20.9	20.3	19.7	19.0	18.4	17.9	17.2	16.6	16.0
-61.25°	20.6	20.1	19.5	18.9	18.4	17.8	17.3	16.7	16.1	15.6	15.1
-62.5°	19.1	18.6	18.2	17.7	17.2	16.6	16.1	15.6	15.1	14.7	14.2
-63.75°	17.8	17.3	16.9	16.4	15.9	15.5	15.1	14.7	14.2	13.8	13.3
-65°	16.5	16.0	15.6	15.3	14.9	14.5	14.1	13.7	13.3	12.9	12.6
-66.25°	15.2	14.9	14.6	14.2	13.9	13.5	13.1	12.8	12.5	12.2	11.8
-67.5°	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.0	11.7	11.4	11.1
-68.75°	13.0	12.8	12.6	12.3	12.0	11.8	11.5	11.2	11.0	10.7	10.6
-70°	12.1	11.9	11.7	11.5	11.2	11.0	10.8	10.6	10.5	10.4	10.3
-71.25°	11.2	11.0	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	9.9
-72.5°	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5
-73.75°	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.2	9.1	8.9
-75°	9.8	9.6	9.5	9.4	9.2	9.1	8.9	8.8	8.6	8.5	8.3
-76.25°	9.1	8.9	8.8	8.7	8.6	8.4	8.3	8.2	8.0	7.8	7.6
-77.5°	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1	6.9



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.6	6.5	6.4	6.2
-80°	6.7	6.6	6.5	6.4	6.2	6.1	6.0	5.9	5.7	5.6	5.5
-81.25°	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.7
-82.5°	4.9	4.8	4.7	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.0
-83.75°	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2
-85°	3.1	3.0	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.4
-86.25°	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7
-87.5°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-88.75°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
87.5°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
86.25°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
85°	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.8	1.7	1.6
83.75°	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.2	2.1
82.5°	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.7
81.25°	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.2
80°	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.3	4.1	3.9	3.8
78.75°	6.1	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7	4.5	4.3
77.5°	6.8	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1	4.9
76.25°	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.4
75°	8.1	8.0	7.7	7.5	7.3	7.1	6.9	6.6	6.4	6.2	5.9
73.75°	8.7	8.5	8.3	8.2	7.9	7.7	7.5	7.2	7.0	6.7	6.5
72.5°	9.3	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	7.0
71.25°	9.8	9.6	9.4	9.2	9.0	8.8	8.5	8.3	8.1	7.8	7.5
70°	10.1	10.0	9.9	9.7	9.5	9.2	9.0	8.7	8.5	8.2	8.0
68.75°	10.5	10.3	10.2	10.0	9.9	9.7	9.5	9.2	8.9	8.7	8.4
67.5°	10.8	10.6	10.5	10.3	10.2	10.0	9.9	9.6	9.4	9.1	8.8
66.25°	11.5	11.2	10.8	10.6	10.5	10.3	10.1	10.0	9.8	9.5	9.2
65°	12.2	11.8	11.5	11.1	10.8	10.6	10.4	10.2	10.0	9.9	9.6
63.75°	12.9	12.5	12.1	11.7	11.3	10.9	10.7	10.5	10.3	10.1	9.9
62.5°	13.7	13.2	12.8	12.4	12.0	11.5	11.1	10.7	10.5	10.3	10.1
61.25°	14.6	14.1	13.6	13.0	12.6	12.1	11.7	11.2	10.8	10.6	10.4
60°	15.4	14.9	14.3	13.8	13.2	12.7	12.3	11.8	11.3	10.8	10.6
58.75°	16.4	15.7	15.1	14.6	14.0	13.4	12.8	12.3	11.8	11.3	10.8
57.5°	17.4	16.7	16.0	15.3	14.7	14.1	13.5	12.9	12.4	11.8	11.3
56.25°	18.4	17.7	16.9	16.2	15.4	14.8	14.2	13.5	12.9	12.3	11.8
55°	19.5	18.6	17.9	17.1	16.3	15.5	14.8	14.2	13.5	12.8	12.3
53.75°	20.6	19.7	18.8	18.0	17.1	16.3	15.5	14.8	14.1	13.4	12.7
52.5°	21.7	20.8	19.8	18.9	18.0	17.1	16.3	15.4	14.7	14.0	13.2
51.25°	22.8	21.8	20.9	19.9	18.9	18.0	17.1	16.2	15.3	14.6	13.8
50°	23.9	22.9	21.9	20.9	19.8	18.8	17.9	16.9	16.0	15.1	14.3
48.75°	25.0	24.0	22.9	21.8	20.8	19.7	18.6	17.7	16.7	15.7	14.9
47.5°	26.1	25.0	23.9	22.8	21.7	20.6	19.5	18.4	17.4	16.4	15.4
46.25°	27.0	26.0	24.9	23.8	22.6	21.5	20.3	19.1	18.1	17.1	16.0
45°	27.7	26.9	25.9	24.7	23.6	22.4	21.2	20.0	18.8	17.7	16.6
43.75°	28.4	27.6	26.8	25.7	24.5	23.2	22.0	20.8	19.5	18.4	17.2
42.5°	29.2	28.3	27.5	26.6	25.3	24.1	22.8	21.6	20.3	19.0	17.9
41.25°	29.9	29.0	28.1	27.2	26.2	24.9	23.6	22.3	21.0	19.7	18.4
40°	30.6	29.7	28.8	27.8	26.9	25.7	24.4	23.1	21.7	20.4	19.0
38.75°	31.2	30.3	29.4	28.5	27.5	26.5	25.2	23.8	22.5	21.1	19.7
37.5°	31.9	31.0	30.0	29.1	28.1	27.1	25.9	24.6	23.2	21.7	20.3
36.25°	32.5	31.6	30.6	29.6	28.7	27.7	26.7	25.3	23.8	22.4	20.9
35°	33.0	32.2	31.2	30.2	29.2	28.2	27.2	25.9	24.5	23.0	21.6

REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	33.5	32.7	31.8	30.8	29.7	28.7	27.7	26.6	25.1	23.6	22.1
32.5°	34.0	33.1	32.3	31.3	30.3	29.2	28.1	27.1	25.8	24.2	22.7
31.25°	34.4	33.6	32.7	31.8	30.8	29.7	28.6	27.5	26.4	24.8	23.3
30°	34.7	34.0	33.2	32.3	31.3	30.2	29.1	28.0	26.8	25.4	23.8
28.75°	35.0	34.4	33.6	32.7	31.7	30.6	29.5	28.4	27.3	25.9	24.3
27.5°	35.4	34.7	34.0	33.1	32.2	31.1	29.9	28.8	27.6	26.4	24.8
26.25°	35.7	35.0	34.3	33.5	32.5	31.5	30.3	29.2	28.0	26.8	25.3
25°	36.0	35.3	34.6	33.8	32.9	31.9	30.7	29.6	28.4	27.2	25.8
23.75°	36.2	35.6	34.9	34.2	33.2	32.2	31.1	29.9	28.7	27.5	26.2
22.5°	36.5	35.8	35.1	34.4	33.5	32.5	31.5	30.3	29.0	27.8	26.6
21.25°	36.8	36.1	35.4	34.6	33.8	32.8	31.8	30.6	29.4	28.1	26.9
20°	37.0	36.3	35.6	34.9	34.1	33.1	32.1	30.9	29.7	28.4	27.2
18.75°	37.3	36.5	35.8	35.1	34.3	33.4	32.3	31.2	29.9	28.7	27.4
17.5°	37.5	36.7	36.0	35.3	34.5	33.6	32.6	31.5	30.2	28.9	27.7
16.25°	37.6	36.9	36.2	35.4	34.7	33.8	32.8	31.7	30.4	29.2	27.9
15°	37.7	37.1	36.4	35.6	34.9	34.1	33.0	32.0	30.7	29.4	28.1
13.75°	37.8	37.3	36.5	35.8	35.0	34.2	33.2	32.1	30.9	29.6	28.3
12.5°	38.0	37.4	36.7	35.9	35.1	34.4	33.4	32.3	31.1	29.8	28.5
11.25°	38.1	37.5	36.8	36.0	35.3	34.5	33.5	32.5	31.2	29.9	28.6
10°	38.2	37.6	36.9	36.2	35.4	34.6	33.7	32.6	31.4	30.1	28.8
8.75°	38.2	37.7	37.0	36.3	35.5	34.7	33.8	32.7	31.5	30.2	28.9
7.5°	38.3	37.8	37.1	36.3	35.6	34.8	33.9	32.8	31.7	30.3	29.0
6.25°	38.4	37.8	37.2	36.4	35.6	34.8	34.0	32.9	31.8	30.4	29.1
5°	38.4	37.9	37.3	36.5	35.7	34.9	34.1	33.0	31.9	30.5	29.2
3.75°	38.5	37.9	37.3	36.5	35.7	34.9	34.1	33.0	31.9	30.6	29.2
2.5°	38.5	37.9	37.4	36.6	35.8	35.0	34.2	33.1	32.0	30.6	29.3
1.25°	38.5	37.9	37.4	36.6	35.8	35.0	34.2	33.1	32.0	30.6	29.3
0°	38.5	38.0	37.4	36.6	35.8	35.0	34.2	33.1	32.0	30.7	29.3
-1.25°	38.5	37.9	37.4	36.6	35.8	35.0	34.2	33.1	32.0	30.6	29.3
-2.5°	38.5	37.9	37.4	36.6	35.8	35.0	34.2	33.1	32.0	30.6	29.3
-3.75°	38.5	37.9	37.3	36.5	35.7	34.9	34.1	33.0	31.9	30.6	29.2
-5°	38.4	37.9	37.3	36.5	35.7	34.9	34.1	33.0	31.9	30.5	29.2
-6.25°	38.4	37.8	37.2	36.4	35.6	34.8	34.0	32.9	31.8	30.4	29.1
-7.5°	38.3	37.8	37.1	36.3	35.6	34.8	33.9	32.8	31.7	30.3	29.0
-8.75°	38.2	37.7	37.0	36.3	35.5	34.7	33.8	32.7	31.5	30.2	28.9
-10°	38.2	37.6	36.9	36.2	35.4	34.6	33.7	32.6	31.4	30.1	28.8
-11.25°	38.1	37.5	36.8	36.0	35.3	34.5	33.5	32.5	31.2	29.9	28.6
-12.5°	38.0	37.4	36.7	35.9	35.1	34.4	33.4	32.3	31.1	29.8	28.5
-13.75°	37.8	37.3	36.5	35.8	35.0	34.2	33.2	32.1	30.9	29.6	28.3
-15°	37.7	37.1	36.4	35.6	34.9	34.1	33.0	32.0	30.7	29.4	28.1
-16.25°	37.6	36.9	36.2	35.4	34.7	33.8	32.8	31.7	30.4	29.2	27.9
-17.5°	37.5	36.7	36.0	35.3	34.5	33.6	32.6	31.5	30.2	28.9	27.7
-18.75°	37.3	36.5	35.8	35.1	34.3	33.4	32.3	31.2	29.9	28.7	27.4
-20°	37.0	36.3	35.6	34.9	34.1	33.1	32.1	30.9	29.7	28.4	27.2
-21.25°	36.8	36.1	35.4	34.6	33.8	32.8	31.8	30.6	29.4	28.1	26.9



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	36.5	35.8	35.1	34.4	33.5	32.5	31.5	30.3	29.0	27.8	26.6
-23.75°	36.2	35.6	34.9	34.2	33.2	32.2	31.1	29.9	28.7	27.5	26.2
-25°	36.0	35.3	34.6	33.8	32.9	31.9	30.7	29.6	28.4	27.2	25.8
-26.25°	35.7	35.0	34.3	33.5	32.5	31.5	30.3	29.2	28.0	26.8	25.3
-27.5°	35.4	34.7	34.0	33.1	32.2	31.1	29.9	28.8	27.6	26.4	24.8
-28.75°	35.0	34.4	33.6	32.7	31.7	30.6	29.5	28.4	27.3	25.9	24.3
-30°	34.7	34.0	33.2	32.3	31.3	30.2	29.1	28.0	26.8	25.4	23.8
-31.25°	34.4	33.6	32.7	31.8	30.8	29.7	28.6	27.5	26.4	24.8	23.3
-32.5°	34.0	33.1	32.3	31.3	30.3	29.2	28.1	27.1	25.8	24.2	22.7
-33.75°	33.5	32.7	31.8	30.8	29.7	28.7	27.7	26.6	25.1	23.6	22.1
-35°	33.0	32.2	31.2	30.2	29.2	28.2	27.2	25.9	24.5	23.0	21.6
-36.25°	32.5	31.6	30.6	29.6	28.7	27.7	26.7	25.3	23.8	22.4	20.9
-37.5°	31.9	31.0	30.0	29.1	28.1	27.1	25.9	24.6	23.2	21.7	20.3
-38.75°	31.2	30.3	29.4	28.5	27.5	26.5	25.2	23.8	22.5	21.1	19.7
-40°	30.6	29.7	28.8	27.8	26.9	25.7	24.4	23.1	21.7	20.4	19.0
-41.25°	29.9	29.0	28.1	27.2	26.2	24.9	23.6	22.3	21.0	19.7	18.4
-42.5°	29.2	28.3	27.5	26.6	25.3	24.1	22.8	21.6	20.3	19.0	17.9
-43.75°	28.4	27.6	26.8	25.7	24.5	23.2	22.0	20.8	19.5	18.4	17.2
-45°	27.7	26.9	25.9	24.7	23.6	22.4	21.2	20.0	18.8	17.7	16.6
-46.25°	27.0	26.0	24.9	23.8	22.6	21.5	20.3	19.1	18.1	17.1	16.0
-47.5°	26.1	25.0	23.9	22.8	21.7	20.6	19.5	18.4	17.4	16.4	15.4
-48.75°	25.0	24.0	22.9	21.8	20.8	19.7	18.6	17.7	16.7	15.7	14.9
-50°	23.9	22.9	21.9	20.9	19.8	18.8	17.9	16.9	16.0	15.1	14.3
-51.25°	22.8	21.8	20.9	19.9	18.9	18.0	17.1	16.2	15.3	14.6	13.8
-52.5°	21.7	20.8	19.8	18.9	18.0	17.1	16.3	15.4	14.7	14.0	13.2
-53.75°	20.6	19.7	18.8	18.0	17.1	16.3	15.5	14.8	14.1	13.4	12.7
-55°	19.5	18.6	17.9	17.1	16.3	15.5	14.8	14.2	13.5	12.8	12.3
-56.25°	18.4	17.7	16.9	16.2	15.4	14.8	14.2	13.5	12.9	12.3	11.8
-57.5°	17.4	16.7	16.0	15.3	14.7	14.1	13.5	12.9	12.4	11.8	11.3
-58.75°	16.4	15.7	15.1	14.6	14.0	13.4	12.8	12.3	11.8	11.3	10.8
-60°	15.4	14.9	14.3	13.8	13.2	12.7	12.3	11.8	11.3	10.8	10.6
-61.25°	14.6	14.1	13.6	13.0	12.6	12.1	11.7	11.2	10.8	10.6	10.4
-62.5°	13.7	13.2	12.8	12.4	12.0	11.5	11.1	10.7	10.5	10.3	10.1
-63.75°	12.9	12.5	12.1	11.7	11.3	10.9	10.7	10.5	10.3	10.1	9.9
-65°	12.2	11.8	11.5	11.1	10.8	10.6	10.4	10.2	10.0	9.9	9.6
-66.25°	11.5	11.2	10.8	10.6	10.5	10.3	10.1	10.0	9.8	9.5	9.2
-67.5°	10.8	10.6	10.5	10.3	10.2	10.0	9.9	9.6	9.4	9.1	8.8
-68.75°	10.5	10.3	10.2	10.0	9.9	9.7	9.5	9.2	8.9	8.7	8.4
-70°	10.1	10.0	9.9	9.7	9.5	9.2	9.0	8.7	8.5	8.2	8.0
-71.25°	9.8	9.6	9.4	9.2	9.0	8.8	8.5	8.3	8.1	7.8	7.5
-72.5°	9.3	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	7.0
-73.75°	8.7	8.5	8.3	8.2	7.9	7.7	7.5	7.2	7.0	6.7	6.5
-75°	8.1	8.0	7.7	7.5	7.3	7.1	6.9	6.6	6.4	6.2	5.9
-76.25°	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.4
-77.5°	6.8	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1	4.9



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	6.1	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7	4.5	4.3
-80°	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.3	4.1	3.9	3.8
-81.25°	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.2
-82.5°	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.7
-83.75°	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.2	2.1
-85°	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.8	1.7	1.6
-86.25°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-87.5°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
87.5°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
86.25°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
85°	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
83.75°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
82.5°	2.6	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.3
81.25°	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6
80°	3.6	3.4	3.3	3.1	2.9	2.8	2.6	2.4	2.2	2.0	1.9
78.75°	4.1	3.9	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2
77.5°	4.7	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.5
76.25°	5.2	4.9	4.7	4.5	4.2	4.0	3.7	3.5	3.3	3.0	2.8
75°	5.7	5.4	5.2	4.9	4.7	4.4	4.1	3.9	3.6	3.3	3.1
73.75°	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.4
72.5°	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.6
71.25°	7.2	6.9	6.6	6.3	5.9	5.6	5.3	5.0	4.6	4.3	3.9
70°	7.7	7.3	7.0	6.7	6.4	6.0	5.7	5.3	5.0	4.6	4.2
68.75°	8.1	7.8	7.4	7.1	6.8	6.4	6.0	5.7	5.3	4.9	4.5
67.5°	8.5	8.2	7.9	7.5	7.1	6.8	6.4	6.0	5.6	5.2	4.8
66.25°	8.9	8.6	8.3	7.9	7.5	7.1	6.8	6.4	5.9	5.5	5.1
65°	9.3	9.0	8.6	8.3	7.9	7.5	7.1	6.7	6.3	5.8	5.4
63.75°	9.7	9.3	9.0	8.6	8.3	7.9	7.4	7.0	6.6	6.1	5.7
62.5°	9.9	9.7	9.3	9.0	8.6	8.2	7.8	7.3	6.9	6.4	5.9
61.25°	10.2	9.9	9.7	9.3	8.9	8.5	8.1	7.7	7.2	6.7	6.2
60°	10.4	10.1	9.9	9.6	9.2	8.8	8.4	8.0	7.5	7.0	6.5
58.75°	10.6	10.3	10.1	9.9	9.5	9.1	8.7	8.2	7.8	7.2	6.7
57.5°	10.8	10.5	10.3	10.0	9.8	9.4	8.9	8.5	8.1	7.5	7.0
56.25°	11.2	10.7	10.5	10.2	10.0	9.6	9.2	8.7	8.3	7.8	7.2
55°	11.7	11.1	10.7	10.4	10.1	9.9	9.5	9.0	8.5	8.0	7.5
53.75°	12.1	11.5	10.9	10.6	10.3	10.0	9.7	9.2	8.8	8.3	7.7
52.5°	12.6	12.0	11.3	10.8	10.5	10.2	9.9	9.5	9.0	8.5	7.9
51.25°	13.0	12.4	11.7	11.1	10.6	10.3	10.0	9.7	9.2	8.7	8.2
50°	13.6	12.8	12.1	11.5	10.8	10.5	10.2	9.9	9.4	8.9	8.3
48.75°	14.1	13.2	12.5	11.8	11.2	10.6	10.3	10.0	9.6	9.1	8.5
47.5°	14.6	13.7	12.9	12.2	11.5	10.8	10.5	10.1	9.8	9.3	8.7
46.25°	15.1	14.2	13.3	12.6	11.8	11.1	10.6	10.3	9.9	9.5	8.9
45°	15.6	14.7	13.8	12.9	12.2	11.4	10.7	10.4	10.1	9.6	9.1
43.75°	16.1	15.1	14.2	13.3	12.5	11.7	11.0	10.5	10.2	9.8	9.2
42.5°	16.7	15.6	14.7	13.7	12.8	12.0	11.2	10.6	10.3	9.9	9.4
41.25°	17.3	16.1	15.1	14.1	13.1	12.3	11.5	10.8	10.4	10.0	9.6
40°	17.8	16.6	15.5	14.5	13.5	12.6	11.8	11.0	10.5	10.1	9.7
38.75°	18.4	17.2	15.9	14.9	13.9	12.9	12.0	11.2	10.6	10.2	9.8
37.5°	18.9	17.7	16.4	15.3	14.2	13.2	12.3	11.5	10.7	10.3	9.9
36.25°	19.5	18.2	16.9	15.6	14.6	13.5	12.6	11.7	10.8	10.4	10.0
35°	20.1	18.6	17.3	16.0	14.9	13.8	12.8	11.9	11.0	10.5	10.1



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	20.6	19.1	17.8	16.5	15.2	14.1	13.0	12.1	11.2	10.6	10.2
32.5°	21.2	19.6	18.2	16.9	15.5	14.4	13.3	12.4	11.4	10.7	10.3
31.25°	21.7	20.1	18.6	17.3	15.9	14.7	13.6	12.6	11.6	10.8	10.3
30°	22.2	20.6	19.0	17.6	16.2	15.0	13.9	12.8	11.8	10.9	10.4
28.75°	22.7	21.1	19.5	18.0	16.6	15.3	14.1	13.0	12.0	11.1	10.5
27.5°	23.2	21.6	19.9	18.4	16.9	15.5	14.4	13.2	12.2	11.2	10.5
26.25°	23.6	22.0	20.3	18.7	17.3	15.8	14.6	13.4	12.3	11.4	10.6
25°	24.1	22.4	20.7	19.0	17.6	16.1	14.8	13.6	12.5	11.5	10.7
23.75°	24.5	22.8	21.1	19.4	17.9	16.4	15.0	13.8	12.7	11.7	10.7
22.5°	24.9	23.2	21.5	19.7	18.1	16.6	15.2	14.0	12.8	11.8	10.8
21.25°	25.3	23.5	21.8	20.1	18.4	16.9	15.4	14.2	12.9	11.9	10.9
20°	25.6	23.9	22.1	20.4	18.7	17.1	15.6	14.3	13.1	12.0	11.0
18.75°	26.0	24.2	22.4	20.7	18.9	17.3	15.8	14.5	13.2	12.2	11.1
17.5°	26.3	24.5	22.7	20.9	19.1	17.6	16.0	14.7	13.4	12.3	11.2
16.25°	26.6	24.8	23.0	21.2	19.4	17.8	16.2	14.8	13.5	12.4	11.3
15°	26.8	25.1	23.2	21.4	19.6	17.9	16.4	14.9	13.6	12.5	11.4
13.75°	27.0	25.3	23.5	21.6	19.8	18.1	16.5	15.1	13.7	12.5	11.5
12.5°	27.1	25.5	23.7	21.8	20.0	18.3	16.7	15.2	13.9	12.6	11.6
11.25°	27.3	25.7	23.9	22.0	20.2	18.4	16.8	15.3	13.9	12.7	11.6
10°	27.4	25.9	24.0	22.2	20.3	18.5	16.9	15.4	14.0	12.8	11.7
8.75°	27.6	26.1	24.2	22.3	20.5	18.6	17.0	15.4	14.1	12.8	11.7
7.5°	27.7	26.2	24.3	22.5	20.6	18.7	17.1	15.5	14.2	12.9	11.8
6.25°	27.7	26.3	24.4	22.6	20.7	18.8	17.2	15.6	14.2	12.9	11.8
5°	27.8	26.4	24.5	22.6	20.8	18.9	17.2	15.6	14.3	12.9	11.8
3.75°	27.9	26.5	24.6	22.7	20.8	18.9	17.3	15.7	14.3	13.0	11.9
2.5°	27.9	26.6	24.7	22.8	20.9	19.0	17.3	15.7	14.3	13.0	11.9
1.25°	27.9	26.6	24.7	22.8	20.9	19.0	17.3	15.7	14.3	13.0	11.9
0°	28.0	26.6	24.7	22.8	20.9	19.0	17.4	15.7	14.4	13.0	11.9
-1.25°	27.9	26.6	24.7	22.8	20.9	19.0	17.3	15.7	14.3	13.0	11.9
-2.5°	27.9	26.6	24.7	22.8	20.9	19.0	17.3	15.7	14.3	13.0	11.9
-3.75°	27.9	26.5	24.6	22.7	20.8	18.9	17.3	15.7	14.3	13.0	11.9
-5°	27.8	26.4	24.5	22.6	20.8	18.9	17.2	15.6	14.3	12.9	11.8
-6.25°	27.7	26.3	24.4	22.6	20.7	18.8	17.2	15.6	14.2	12.9	11.8
-7.5°	27.7	26.2	24.3	22.5	20.6	18.7	17.1	15.5	14.2	12.9	11.8
-8.75°	27.6	26.1	24.2	22.3	20.5	18.6	17.0	15.4	14.1	12.8	11.7
-10°	27.4	25.9	24.0	22.2	20.3	18.5	16.9	15.4	14.0	12.8	11.7
-11.25°	27.3	25.7	23.9	22.0	20.2	18.4	16.8	15.3	13.9	12.7	11.6
-12.5°	27.1	25.5	23.7	21.8	20.0	18.3	16.7	15.2	13.9	12.6	11.6
-13.75°	27.0	25.3	23.5	21.6	19.8	18.1	16.5	15.1	13.7	12.5	11.5
-15°	26.8	25.1	23.2	21.4	19.6	17.9	16.4	14.9	13.6	12.5	11.4
-16.25°	26.6	24.8	23.0	21.2	19.4	17.8	16.2	14.8	13.5	12.4	11.3
-17.5°	26.3	24.5	22.7	20.9	19.1	17.6	16.0	14.7	13.4	12.3	11.2
-18.75°	26.0	24.2	22.4	20.7	18.9	17.3	15.8	14.5	13.2	12.2	11.1
-20°	25.6	23.9	22.1	20.4	18.7	17.1	15.6	14.3	13.1	12.0	11.0
-21.25°	25.3	23.5	21.8	20.1	18.4	16.9	15.4	14.2	12.9	11.9	10.9



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	24.9	23.2	21.5	19.7	18.1	16.6	15.2	14.0	12.8	11.8	10.8
-23.75°	24.5	22.8	21.1	19.4	17.9	16.4	15.0	13.8	12.7	11.7	10.7
-25°	24.1	22.4	20.7	19.0	17.6	16.1	14.8	13.6	12.5	11.5	10.7
-26.25°	23.6	22.0	20.3	18.7	17.3	15.8	14.6	13.4	12.3	11.4	10.6
-27.5°	23.2	21.6	19.9	18.4	16.9	15.5	14.4	13.2	12.2	11.2	10.5
-28.75°	22.7	21.1	19.5	18.0	16.6	15.3	14.1	13.0	12.0	11.1	10.5
-30°	22.2	20.6	19.0	17.6	16.2	15.0	13.9	12.8	11.8	10.9	10.4
-31.25°	21.7	20.1	18.6	17.3	15.9	14.7	13.6	12.6	11.6	10.8	10.3
-32.5°	21.2	19.6	18.2	16.9	15.5	14.4	13.3	12.4	11.4	10.7	10.3
-33.75°	20.6	19.1	17.8	16.5	15.2	14.1	13.0	12.1	11.2	10.6	10.2
-35°	20.1	18.6	17.3	16.0	14.9	13.8	12.8	11.9	11.0	10.5	10.1
-36.25°	19.5	18.2	16.9	15.6	14.6	13.5	12.6	11.7	10.8	10.4	10.0
-37.5°	18.9	17.7	16.4	15.3	14.2	13.2	12.3	11.5	10.7	10.3	9.9
-38.75°	18.4	17.2	15.9	14.9	13.9	12.9	12.0	11.2	10.6	10.2	9.8
-40°	17.8	16.6	15.5	14.5	13.5	12.6	11.8	11.0	10.5	10.1	9.7
-41.25°	17.3	16.1	15.1	14.1	13.1	12.3	11.5	10.8	10.4	10.0	9.6
-42.5°	16.7	15.6	14.7	13.7	12.8	12.0	11.2	10.6	10.3	9.9	9.4
-43.75°	16.1	15.1	14.2	13.3	12.5	11.7	11.0	10.5	10.2	9.8	9.2
-45°	15.6	14.7	13.8	12.9	12.2	11.4	10.7	10.4	10.1	9.6	9.1
-46.25°	15.1	14.2	13.3	12.6	11.8	11.1	10.6	10.3	9.9	9.5	8.9
-47.5°	14.6	13.7	12.9	12.2	11.5	10.8	10.5	10.1	9.8	9.3	8.7
-48.75°	14.1	13.2	12.5	11.8	11.2	10.6	10.3	10.0	9.6	9.1	8.5
-50°	13.6	12.8	12.1	11.5	10.8	10.5	10.2	9.9	9.4	8.9	8.3
-51.25°	13.0	12.4	11.7	11.1	10.6	10.3	10.0	9.7	9.2	8.7	8.2
-52.5°	12.6	12.0	11.3	10.8	10.5	10.2	9.9	9.5	9.0	8.5	7.9
-53.75°	12.1	11.5	10.9	10.6	10.3	10.0	9.7	9.2	8.8	8.3	7.7
-55°	11.7	11.1	10.7	10.4	10.1	9.9	9.5	9.0	8.5	8.0	7.5
-56.25°	11.2	10.7	10.5	10.2	10.0	9.6	9.2	8.7	8.3	7.8	7.2
-57.5°	10.8	10.5	10.3	10.0	9.8	9.4	8.9	8.5	8.1	7.5	7.0
-58.75°	10.6	10.3	10.1	9.9	9.5	9.1	8.7	8.2	7.8	7.2	6.7
-60°	10.4	10.1	9.9	9.6	9.2	8.8	8.4	8.0	7.5	7.0	6.5
-61.25°	10.2	9.9	9.7	9.3	8.9	8.5	8.1	7.7	7.2	6.7	6.2
-62.5°	9.9	9.7	9.3	9.0	8.6	8.2	7.8	7.3	6.9	6.4	5.9
-63.75°	9.7	9.3	9.0	8.6	8.3	7.9	7.4	7.0	6.6	6.1	5.7
-65°	9.3	9.0	8.6	8.3	7.9	7.5	7.1	6.7	6.3	5.8	5.4
-66.25°	8.9	8.6	8.3	7.9	7.5	7.1	6.8	6.4	5.9	5.5	5.1
-67.5°	8.5	8.2	7.9	7.5	7.1	6.8	6.4	6.0	5.6	5.2	4.8
-68.75°	8.1	7.8	7.4	7.1	6.8	6.4	6.0	5.7	5.3	4.9	4.5
-70°	7.7	7.3	7.0	6.7	6.4	6.0	5.7	5.3	5.0	4.6	4.2
-71.25°	7.2	6.9	6.6	6.3	5.9	5.6	5.3	5.0	4.6	4.3	3.9
-72.5°	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.6
-73.75°	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.4
-75°	5.7	5.4	5.2	4.9	4.7	4.4	4.1	3.9	3.6	3.3	3.1
-76.25°	5.2	4.9	4.7	4.5	4.2	4.0	3.7	3.5	3.3	3.0	2.8
-77.5°	4.7	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.5



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	4.1	3.9	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2
-80°	3.6	3.4	3.3	3.1	2.9	2.8	2.6	2.4	2.2	2.0	1.9
-81.25°	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6
-82.5°	2.6	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.3
-83.75°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
-85°	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-86.25°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
-87.5°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-88.75°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
87.5°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
86.25°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
85°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
83.75°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
82.5°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
81.25°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
80°	1.7	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
78.75°	1.9	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
77.5°	2.2	2.0	1.8	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.3
76.25°	2.5	2.2	2.0	1.7	1.5	1.3	1.1	0.9	0.8	0.6	0.4
75°	2.8	2.5	2.2	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4
73.75°	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.1	0.9	0.7	0.4
72.5°	3.3	3.0	2.7	2.4	2.0	1.7	1.4	1.2	1.0	0.7	0.5
71.25°	3.6	3.3	2.9	2.6	2.2	1.9	1.5	1.3	1.0	0.8	0.5
70°	3.9	3.5	3.1	2.8	2.4	2.0	1.7	1.4	1.1	0.8	0.5
68.75°	4.1	3.7	3.4	3.0	2.6	2.2	1.8	1.4	1.2	0.9	0.6
67.5°	4.4	4.0	3.6	3.2	2.8	2.3	1.9	1.5	1.2	0.9	0.6
66.25°	4.7	4.2	3.8	3.4	2.9	2.5	2.1	1.6	1.3	1.0	0.6
65°	4.9	4.5	4.0	3.6	3.1	2.6	2.2	1.7	1.4	1.0	0.7
63.75°	5.2	4.7	4.2	3.8	3.3	2.8	2.3	1.8	1.4	1.1	0.7
62.5°	5.4	4.9	4.4	3.9	3.4	2.9	2.4	1.9	1.5	1.1	0.7
61.25°	5.7	5.2	4.7	4.1	3.6	3.1	2.6	2.0	1.5	1.2	0.8
60°	5.9	5.4	4.9	4.3	3.8	3.2	2.7	2.1	1.6	1.2	0.8
58.75°	6.2	5.6	5.1	4.5	3.9	3.4	2.8	2.2	1.7	1.2	0.8
57.5°	6.4	5.9	5.3	4.7	4.1	3.5	2.9	2.4	1.8	1.3	0.9
56.25°	6.6	6.1	5.5	4.9	4.3	3.7	3.1	2.5	1.8	1.3	0.9
55°	6.9	6.3	5.7	5.1	4.4	3.8	3.2	2.6	1.9	1.4	0.9
53.75°	7.1	6.5	5.9	5.2	4.6	3.9	3.3	2.6	2.0	1.4	0.9
52.5°	7.3	6.7	6.1	5.4	4.7	4.1	3.4	2.7	2.1	1.5	1.0
51.25°	7.5	6.9	6.2	5.6	4.9	4.2	3.5	2.8	2.2	1.5	1.0
50°	7.7	7.1	6.4	5.7	5.0	4.3	3.6	2.9	2.2	1.5	1.0
48.75°	8.0	7.3	6.6	5.9	5.2	4.5	3.7	3.0	2.3	1.6	1.1
47.5°	8.1	7.5	6.8	6.1	5.3	4.6	3.9	3.1	2.4	1.6	1.1
46.25°	8.3	7.6	6.9	6.2	5.5	4.7	4.0	3.2	2.4	1.7	1.1
45°	8.5	7.8	7.1	6.4	5.6	4.8	4.1	3.3	2.5	1.7	1.1
43.75°	8.6	8.0	7.3	6.5	5.7	5.0	4.2	3.4	2.6	1.8	1.2
42.5°	8.8	8.2	7.4	6.6	5.9	5.1	4.3	3.5	2.6	1.8	1.2
41.25°	8.9	8.3	7.6	6.8	6.0	5.2	4.4	3.5	2.7	1.9	1.2
40°	9.1	8.4	7.7	6.9	6.1	5.3	4.4	3.6	2.8	1.9	1.2
38.75°	9.2	8.6	7.9	7.1	6.2	5.4	4.5	3.7	2.8	2.0	1.2
37.5°	9.4	8.7	8.0	7.2	6.4	5.5	4.6	3.8	2.9	2.0	1.3
36.25°	9.5	8.8	8.1	7.3	6.5	5.6	4.7	3.8	2.9	2.1	1.3
35°	9.6	8.9	8.2	7.4	6.6	5.7	4.8	3.9	3.0	2.1	1.3



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	9.8	9.1	8.3	7.5	6.7	5.8	4.9	4.0	3.1	2.1	1.3
32.5°	9.8	9.2	8.5	7.7	6.8	5.9	5.0	4.0	3.1	2.2	1.3
31.25°	9.9	9.3	8.6	7.8	6.9	6.0	5.0	4.1	3.2	2.2	1.4
30°	10.0	9.4	8.6	7.9	7.0	6.1	5.1	4.2	3.2	2.3	1.4
28.75°	10.0	9.5	8.7	8.0	7.1	6.1	5.2	4.2	3.3	2.3	1.4
27.5°	10.1	9.6	8.8	8.1	7.1	6.2	5.3	4.3	3.3	2.3	1.4
26.25°	10.2	9.7	8.9	8.2	7.2	6.3	5.3	4.3	3.3	2.4	1.4
25°	10.2	9.8	9.0	8.2	7.3	6.4	5.4	4.4	3.4	2.4	1.5
23.75°	10.3	9.8	9.1	8.3	7.4	6.4	5.4	4.4	3.4	2.4	1.5
22.5°	10.3	9.9	9.1	8.4	7.5	6.5	5.5	4.5	3.5	2.4	1.5
21.25°	10.4	9.9	9.2	8.4	7.5	6.5	5.5	4.5	3.5	2.5	1.5
20°	10.4	10.0	9.3	8.5	7.6	6.6	5.6	4.6	3.5	2.5	1.5
18.75°	10.5	10.0	9.3	8.5	7.6	6.7	5.6	4.6	3.6	2.5	1.5
17.5°	10.5	10.0	9.4	8.6	7.7	6.7	5.7	4.6	3.6	2.5	1.5
16.25°	10.6	10.1	9.5	8.6	7.8	6.8	5.7	4.7	3.6	2.6	1.5
15°	10.6	10.1	9.5	8.7	7.8	6.8	5.8	4.7	3.6	2.6	1.5
13.75°	10.6	10.1	9.6	8.7	7.9	6.8	5.8	4.7	3.7	2.6	1.6
12.5°	10.7	10.2	9.6	8.8	7.9	6.9	5.8	4.8	3.7	2.6	1.6
11.25°	10.7	10.2	9.6	8.8	7.9	6.9	5.9	4.8	3.7	2.6	1.6
10°	10.7	10.2	9.7	8.8	8.0	6.9	5.9	4.8	3.7	2.6	1.6
8.75°	10.7	10.2	9.7	8.9	8.0	7.0	5.9	4.8	3.7	2.7	1.6
7.5°	10.7	10.3	9.7	8.9	8.0	7.0	5.9	4.9	3.8	2.7	1.6
6.25°	10.8	10.3	9.7	8.9	8.0	7.0	6.0	4.9	3.8	2.7	1.6
5°	10.8	10.3	9.8	8.9	8.1	7.0	6.0	4.9	3.8	2.7	1.6
3.75°	10.8	10.3	9.8	8.9	8.1	7.0	6.0	4.9	3.8	2.7	1.6
2.5°	10.8	10.3	9.8	8.9	8.1	7.0	6.0	4.9	3.8	2.7	1.6
1.25°	10.8	10.3	9.8	8.9	8.1	7.0	6.0	4.9	3.8	2.7	1.6
0°	10.8	10.3	9.8	9.0	8.1	7.1	6.0	4.9	3.8	2.7	1.6
-1.25°	10.8	10.3	9.8	8.9	8.1	7.0	6.0	4.9	3.8	2.7	1.6
-2.5°	10.8	10.3	9.8	8.9	8.1	7.0	6.0	4.9	3.8	2.7	1.6
-3.75°	10.8	10.3	9.8	8.9	8.1	7.0	6.0	4.9	3.8	2.7	1.6
-5°	10.8	10.3	9.8	8.9	8.1	7.0	6.0	4.9	3.8	2.7	1.6
-6.25°	10.8	10.3	9.7	8.9	8.0	7.0	6.0	4.9	3.8	2.7	1.6
-7.5°	10.7	10.3	9.7	8.9	8.0	7.0	5.9	4.9	3.8	2.7	1.6
-8.75°	10.7	10.2	9.7	8.9	8.0	7.0	5.9	4.8	3.7	2.7	1.6
-10°	10.7	10.2	9.7	8.8	8.0	6.9	5.9	4.8	3.7	2.6	1.6
-11.25°	10.7	10.2	9.6	8.8	7.9	6.9	5.9	4.8	3.7	2.6	1.6
-12.5°	10.7	10.2	9.6	8.8	7.9	6.9	5.8	4.8	3.7	2.6	1.6
-13.75°	10.6	10.1	9.6	8.7	7.9	6.8	5.8	4.7	3.7	2.6	1.6
-15°	10.6	10.1	9.5	8.7	7.8	6.8	5.8	4.7	3.6	2.6	1.5
-16.25°	10.6	10.1	9.5	8.6	7.8	6.8	5.7	4.7	3.6	2.6	1.5
-17.5°	10.5	10.0	9.4	8.6	7.7	6.7	5.7	4.6	3.6	2.5	1.5
-18.75°	10.5	10.0	9.3	8.5	7.6	6.7	5.6	4.6	3.6	2.5	1.5
-20°	10.4	10.0	9.3	8.5	7.6	6.6	5.6	4.6	3.5	2.5	1.5
-21.25°	10.4	9.9	9.2	8.4	7.5	6.5	5.5	4.5	3.5	2.5	1.5



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	10.3	9.9	9.1	8.4	7.5	6.5	5.5	4.5	3.5	2.4	1.5
-23.75°	10.3	9.8	9.1	8.3	7.4	6.4	5.4	4.4	3.4	2.4	1.5
-25°	10.2	9.8	9.0	8.2	7.3	6.4	5.4	4.4	3.4	2.4	1.5
-26.25°	10.2	9.7	8.9	8.2	7.2	6.3	5.3	4.3	3.3	2.4	1.4
-27.5°	10.1	9.6	8.8	8.1	7.1	6.2	5.3	4.3	3.3	2.3	1.4
-28.75°	10.0	9.5	8.7	8.0	7.1	6.1	5.2	4.2	3.3	2.3	1.4
-30°	10.0	9.4	8.6	7.9	7.0	6.1	5.1	4.2	3.2	2.3	1.4
-31.25°	9.9	9.3	8.6	7.8	6.9	6.0	5.0	4.1	3.2	2.2	1.4
-32.5°	9.8	9.2	8.5	7.7	6.8	5.9	5.0	4.0	3.1	2.2	1.3
-33.75°	9.8	9.1	8.3	7.5	6.7	5.8	4.9	4.0	3.1	2.1	1.3
-35°	9.6	8.9	8.2	7.4	6.6	5.7	4.8	3.9	3.0	2.1	1.3
-36.25°	9.5	8.8	8.1	7.3	6.5	5.6	4.7	3.8	2.9	2.1	1.3
-37.5°	9.4	8.7	8.0	7.2	6.4	5.5	4.6	3.8	2.9	2.0	1.3
-38.75°	9.2	8.6	7.9	7.1	6.2	5.4	4.5	3.7	2.8	2.0	1.2
-40°	9.1	8.4	7.7	6.9	6.1	5.3	4.4	3.6	2.8	1.9	1.2
-41.25°	8.9	8.3	7.6	6.8	6.0	5.2	4.4	3.5	2.7	1.9	1.2
-42.5°	8.8	8.2	7.4	6.6	5.9	5.1	4.3	3.5	2.6	1.8	1.2
-43.75°	8.6	8.0	7.3	6.5	5.7	5.0	4.2	3.4	2.6	1.8	1.2
-45°	8.5	7.8	7.1	6.4	5.6	4.8	4.1	3.3	2.5	1.7	1.1
-46.25°	8.3	7.6	6.9	6.2	5.5	4.7	4.0	3.2	2.4	1.7	1.1
-47.5°	8.1	7.5	6.8	6.1	5.3	4.6	3.9	3.1	2.4	1.6	1.1
-48.75°	8.0	7.3	6.6	5.9	5.2	4.5	3.7	3.0	2.3	1.6	1.1
-50°	7.7	7.1	6.4	5.7	5.0	4.3	3.6	2.9	2.2	1.5	1.0
-51.25°	7.5	6.9	6.2	5.6	4.9	4.2	3.5	2.8	2.2	1.5	1.0
-52.5°	7.3	6.7	6.1	5.4	4.7	4.1	3.4	2.7	2.1	1.5	1.0
-53.75°	7.1	6.5	5.9	5.2	4.6	3.9	3.3	2.6	2.0	1.4	0.9
-55°	6.9	6.3	5.7	5.1	4.4	3.8	3.2	2.6	1.9	1.4	0.9
-56.25°	6.6	6.1	5.5	4.9	4.3	3.7	3.1	2.5	1.8	1.3	0.9
-57.5°	6.4	5.9	5.3	4.7	4.1	3.5	2.9	2.4	1.8	1.3	0.9
-58.75°	6.2	5.6	5.1	4.5	3.9	3.4	2.8	2.2	1.7	1.2	0.8
-60°	5.9	5.4	4.9	4.3	3.8	3.2	2.7	2.1	1.6	1.2	0.8
-61.25°	5.7	5.2	4.7	4.1	3.6	3.1	2.6	2.0	1.5	1.2	0.8
-62.5°	5.4	4.9	4.4	3.9	3.4	2.9	2.4	1.9	1.5	1.1	0.7
-63.75°	5.2	4.7	4.2	3.8	3.3	2.8	2.3	1.8	1.4	1.1	0.7
-65°	4.9	4.5	4.0	3.6	3.1	2.6	2.2	1.7	1.4	1.0	0.7
-66.25°	4.7	4.2	3.8	3.4	2.9	2.5	2.1	1.6	1.3	1.0	0.6
-67.5°	4.4	4.0	3.6	3.2	2.8	2.3	1.9	1.5	1.2	0.9	0.6
-68.75°	4.1	3.7	3.4	3.0	2.6	2.2	1.8	1.4	1.2	0.9	0.6
-70°	3.9	3.5	3.1	2.8	2.4	2.0	1.7	1.4	1.1	0.8	0.5
-71.25°	3.6	3.3	2.9	2.6	2.2	1.9	1.5	1.3	1.0	0.8	0.5
-72.5°	3.3	3.0	2.7	2.4	2.0	1.7	1.4	1.2	1.0	0.7	0.5
-73.75°	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.1	0.9	0.7	0.4
-75°	2.8	2.5	2.2	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4
-76.25°	2.5	2.2	2.0	1.7	1.5	1.3	1.1	0.9	0.8	0.6	0.4
-77.5°	2.2	2.0	1.8	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.3



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	1.9	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-80°	1.7	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
-81.25°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-82.5°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-83.75°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
-85°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-86.25°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-87.5°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-88.75°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	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



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.0	0.0
86.25°	0.1	0.0
85°	0.1	0.0
83.75°	0.1	0.0
82.5°	0.1	0.0
81.25°	0.1	0.0
80°	0.1	0.0
78.75°	0.2	0.0
77.5°	0.2	0.0
76.25°	0.2	0.0
75°	0.2	0.0
73.75°	0.2	0.0
72.5°	0.2	0.0
71.25°	0.3	0.0
70°	0.3	0.0
68.75°	0.3	0.0
67.5°	0.3	0.0
66.25°	0.3	0.0
65°	0.3	0.0
63.75°	0.4	0.0
62.5°	0.4	0.0
61.25°	0.4	0.0
60°	0.4	0.0
58.75°	0.4	0.0
57.5°	0.4	0.0
56.25°	0.4	0.0
55°	0.5	0.0
53.75°	0.5	0.0
52.5°	0.5	0.0
51.25°	0.5	0.0
50°	0.5	0.0
48.75°	0.5	0.0
47.5°	0.5	0.0
46.25°	0.6	0.0
45°	0.6	0.0
43.75°	0.6	0.0
42.5°	0.6	0.0
41.25°	0.6	0.0
40°	0.6	0.0
38.75°	0.6	0.0
37.5°	0.6	0.0
36.25°	0.6	0.0
35°	0.7	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.7	0.0
32.5°	0.7	0.0
31.25°	0.7	0.0
30°	0.7	0.0
28.75°	0.7	0.0
27.5°	0.7	0.0
26.25°	0.7	0.0
25°	0.7	0.0
23.75°	0.7	0.0
22.5°	0.7	0.0
21.25°	0.7	0.0
20°	0.8	0.0
18.75°	0.8	0.0
17.5°	0.8	0.0
16.25°	0.8	0.0
15°	0.8	0.0
13.75°	0.8	0.0
12.5°	0.8	0.0
11.25°	0.8	0.0
10°	0.8	0.0
8.75°	0.8	0.0
7.5°	0.8	0.0
6.25°	0.8	0.0
5°	0.8	0.0
3.75°	0.8	0.0
2.5°	0.8	0.0
1.25°	0.8	0.0
0°	0.8	0.0
-1.25°	0.8	0.0
-2.5°	0.8	0.0
-3.75°	0.8	0.0
-5°	0.8	0.0
-6.25°	0.8	0.0
-7.5°	0.8	0.0
-8.75°	0.8	0.0
-10°	0.8	0.0
-11.25°	0.8	0.0
-12.5°	0.8	0.0
-13.75°	0.8	0.0
-15°	0.8	0.0
-16.25°	0.8	0.0
-17.5°	0.8	0.0
-18.75°	0.8	0.0
-20°	0.8	0.0
-21.25°	0.7	0.0



REPORT NUMBER: P220470 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0.7	0.0
-23.75°	0.7	0.0
-25°	0.7	0.0
-26.25°	0.7	0.0
-27.5°	0.7	0.0
-28.75°	0.7	0.0
-30°	0.7	0.0
-31.25°	0.7	0.0
-32.5°	0.7	0.0
-33.75°	0.7	0.0
-35°	0.7	0.0
-36.25°	0.6	0.0
-37.5°	0.6	0.0
-38.75°	0.6	0.0
-40°	0.6	0.0
-41.25°	0.6	0.0
-42.5°	0.6	0.0
-43.75°	0.6	0.0
-45°	0.6	0.0
-46.25°	0.6	0.0
-47.5°	0.5	0.0
-48.75°	0.5	0.0
-50°	0.5	0.0
-51.25°	0.5	0.0
-52.5°	0.5	0.0
-53.75°	0.5	0.0
-55°	0.5	0.0
-56.25°	0.4	0.0
-57.5°	0.4	0.0
-58.75°	0.4	0.0
-60°	0.4	0.0
-61.25°	0.4	0.0
-62.5°	0.4	0.0
-63.75°	0.4	0.0
-65°	0.3	0.0
-66.25°	0.3	0.0
-67.5°	0.3	0.0
-68.75°	0.3	0.0
-70°	0.3	0.0
-71.25°	0.3	0.0
-72.5°	0.2	0.0
-73.75°	0.2	0.0
-75°	0.2	0.0
-76.25°	0.2	0.0
-77.5°	0.2	0.0



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-78.75°	0.2	0.0
-80°	0.1	0.0
-81.25°	0.1	0.0
-82.5°	0.1	0.0
-83.75°	0.1	0.0
-85°	0.1	0.0
-86.25°	0.1	0.0
-87.5°	0.0	0.0
-88.75°	0.0	0.0
-90°	0.0	0.0

(END OF REPORT)