

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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

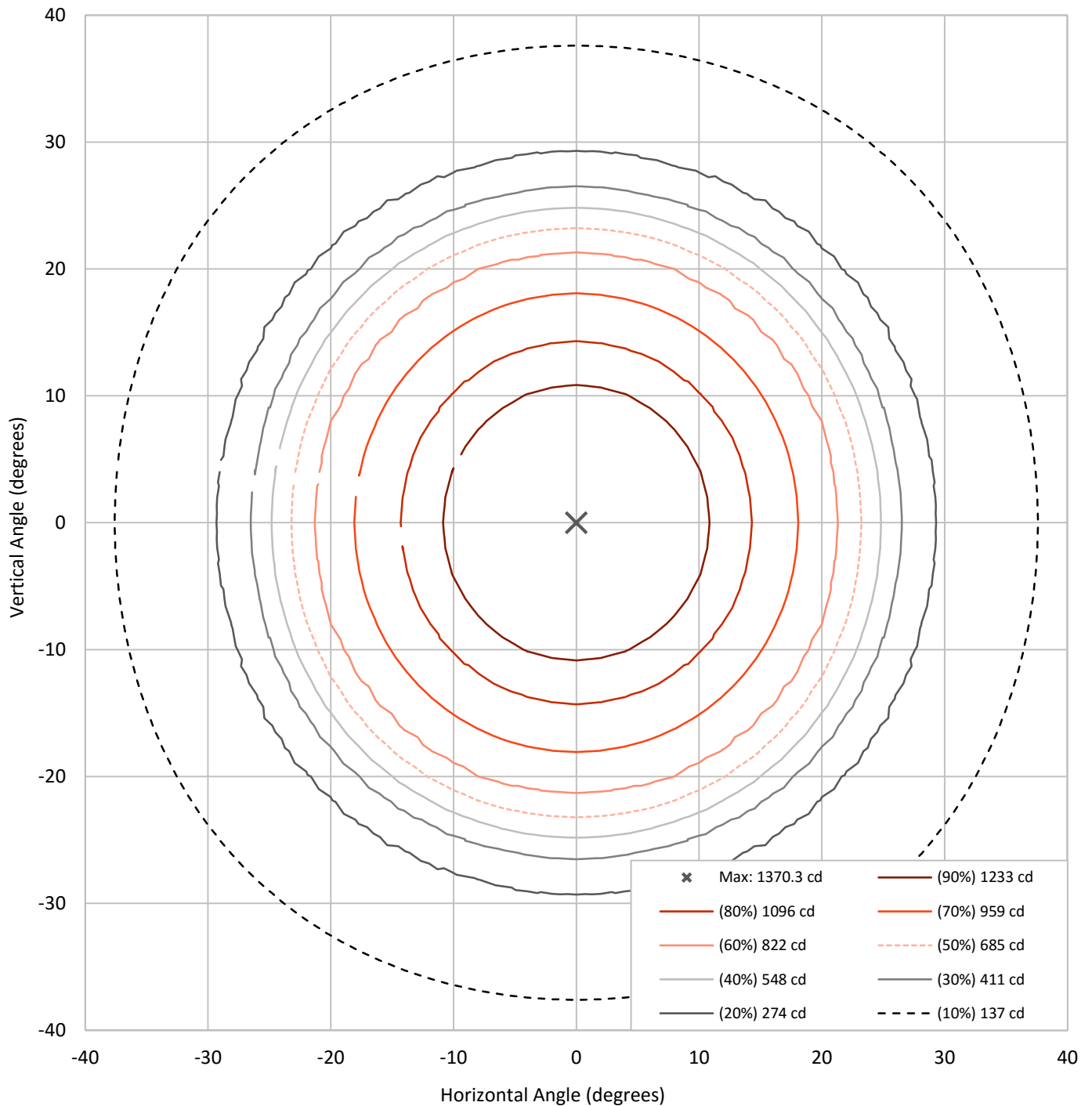
Test Method: LM-79-08
Report Number: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	922.4 lumens	Max Intensity:	1370.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46.5°H x 46.5°V	Field Angle (10%):	75.2°H x 75.2°V
Beam Lumens:	529.8 lumens	Field Lumens:	754.9 lumens
Beam Efficiency:	57.4%	Field Efficiency:	81.8%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





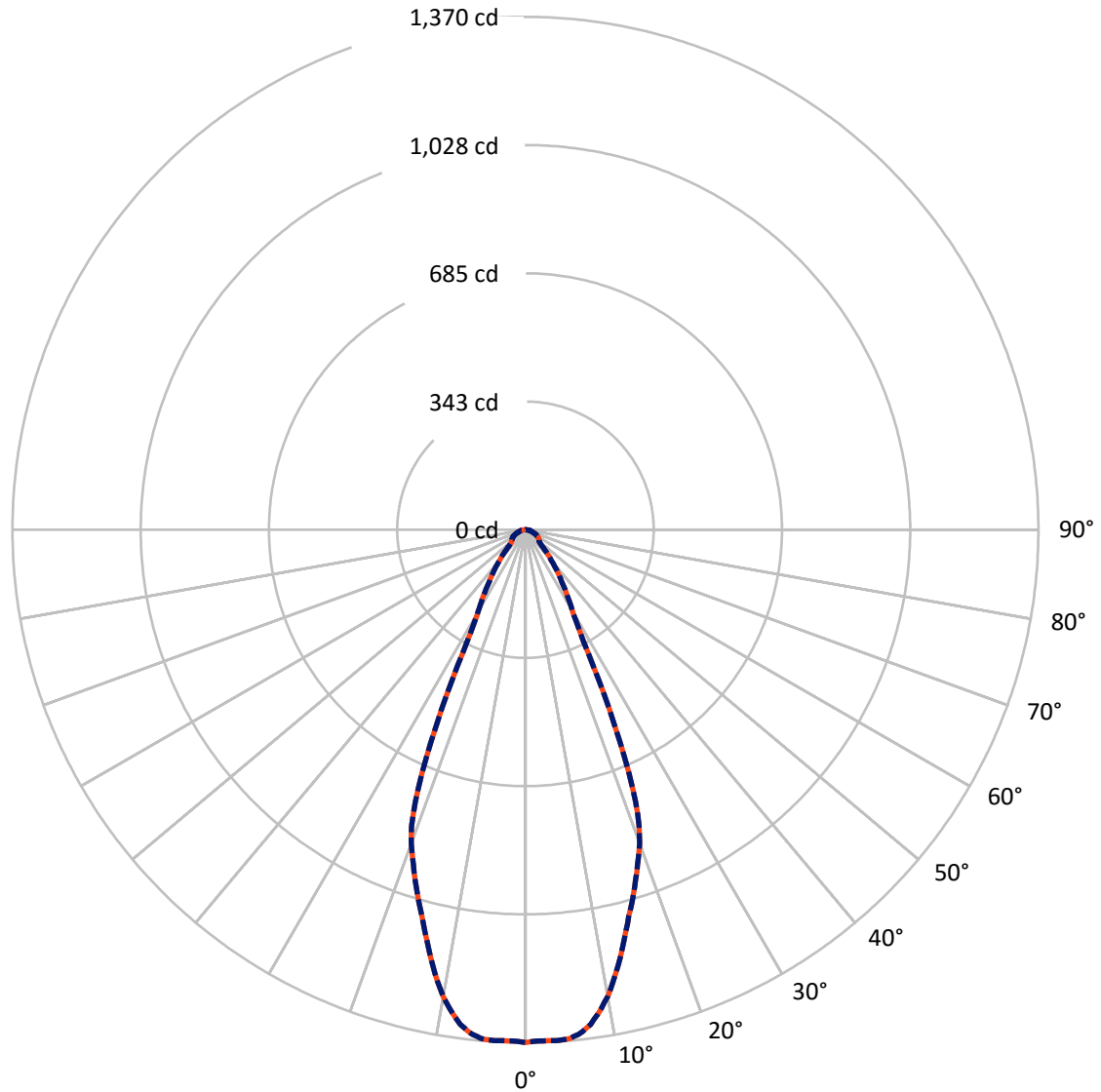
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Lumen Table

90																			
80	0.1	0.4		0.8		1.2		1.4		1.2		0.8		0.4		0.1			
70																			
60	0.2	0.2	0.3	0.4	0.6	0.7	0.9	0.9	0.9	0.9	0.7	0.6	0.4	0.3	0.2	0.2			
50		0.2	0.4	0.6	0.9	1.1	1.2	1.3	1.3	1.2	1.1	0.9	0.6	0.4	0.2				
40	0.2	0.2	0.5	0.8	1.1	1.4	1.7	2.1	2.1	1.7	1.4	1.1	0.8	0.5	0.2	0.2			
30		0.3	0.6	0.9	1.4	2.5	4.0	5.1	5.1	4.0	2.5	1.4	0.9	0.6	0.3				
20	0.3	0.4	0.7	1.1	2.3	4.8	9.4	15.4	15.4	9.4	4.8	2.3	1.1	0.7	0.4	0.3			
10		0.4	0.7	1.3	3.4	8.8	23.2	31.3	31.3	23.2	8.8	3.4	1.3	0.7	0.4				
0	0.3	0.4	0.8	1.5	4.2	14.1	30.4	39.6	39.6	30.4	14.1	4.2	1.5	0.8	0.4	0.3			
-10		0.4	0.8	1.5	4.2	14.1	30.4	39.6	39.6	30.4	14.1	4.2	1.5	0.8	0.4				
-20	0.3	0.4	0.7	1.3	3.4	8.8	23.2	31.3	31.3	23.2	8.8	3.4	1.3	0.7	0.4	0.3			
-30		0.4	0.7	1.1	2.3	4.8	9.4	15.4	15.4	9.4	4.8	2.3	1.1	0.7	0.4				
-40	0.2	0.3	0.6	0.9	1.4	2.5	4.0	5.1	5.1	4.0	2.5	1.4	0.9	0.6	0.3	0.2			
-50		0.2	0.5	0.8	1.1	1.4	1.7	2.1	2.1	1.7	1.4	1.1	0.8	0.5	0.2				
-60	0.2	0.2	0.4	0.6	0.9	1.1	1.2	1.3	1.3	1.2	1.1	0.9	0.6	0.4	0.2	0.2			
-70		0.2	0.3	0.4	0.6	0.7	0.9	0.9	0.9	0.9	0.7	0.6	0.4	0.3	0.2				
-80																			
-90	0.1	0.4		0.8		1.2		1.4		1.2		0.8		0.4		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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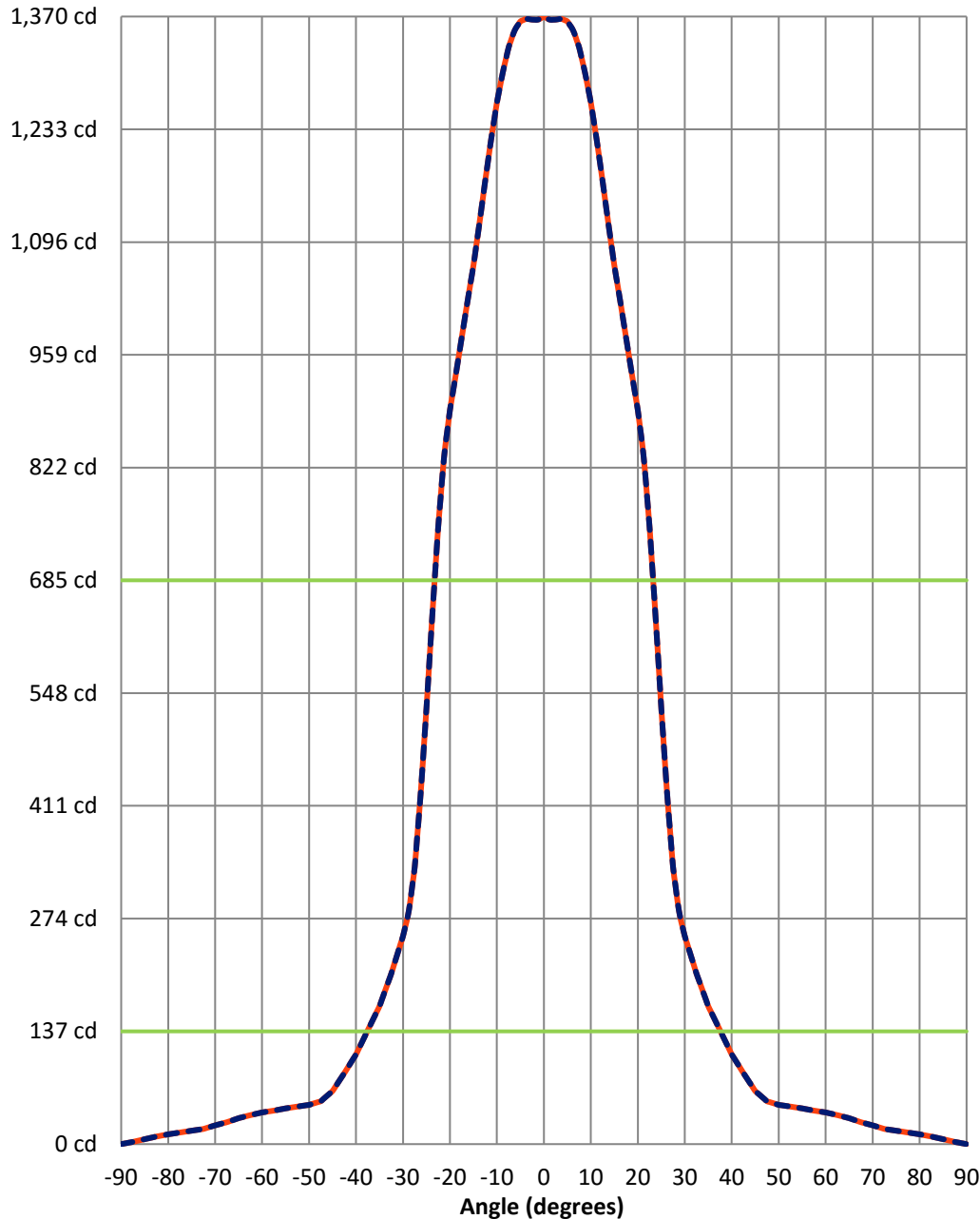
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 46.5°
 V Angle: 46.5°
 Lumens: 529.8
 Efficiency: 57.4%

Field:
 H Angle: 75.2°
 V Angle: 75.2°
 Lumens: 754.9
 Efficiency: 81.8%

Spill:
 Lumens: 167.5
 Efficiency: 18.2%

- 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	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3
87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
86.25°	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9
85°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2
83.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5
82.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
81.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
80°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
78.75°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.4	2.6
77.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.7	2.0	2.3	2.6	2.9
76.25°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.3
75°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.2	3.6
73.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.1	3.5	4.0
72.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.4	3.8	4.3
71.25°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.1	3.6	4.1	4.7
70°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.3	3.9	4.5	5.0
68.75°	0.0	0.5	1.0	1.5	2.0	2.4	3.0	3.6	4.2	4.8	5.3
67.5°	0.0	0.5	1.0	1.5	2.1	2.6	3.2	3.8	4.4	5.1	5.7
66.25°	0.0	0.5	1.1	1.6	2.2	2.7	3.4	4.0	4.7	5.3	6.0
65°	0.0	0.6	1.1	1.7	2.3	2.9	3.6	4.3	5.0	5.6	6.3
63.75°	0.0	0.6	1.2	1.8	2.4	3.0	3.8	4.5	5.2	5.9	6.6
62.5°	0.0	0.6	1.2	1.9	2.5	3.2	4.0	4.7	5.5	6.2	6.9
61.25°	0.0	0.6	1.3	1.9	2.6	3.4	4.2	4.9	5.7	6.5	7.2
60°	0.0	0.7	1.3	2.0	2.7	3.5	4.3	5.2	6.0	6.8	7.6
58.75°	0.0	0.7	1.4	2.1	2.8	3.7	4.5	5.4	6.2	7.0	7.9
57.5°	0.0	0.7	1.5	2.2	2.9	3.8	4.7	5.6	6.5	7.3	8.1
56.25°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.8	6.7	7.6	8.4
55°	0.0	0.8	1.5	2.3	3.2	4.1	5.1	6.0	6.9	7.8	8.7
53.75°	0.0	0.8	1.6	2.4	3.3	4.3	5.2	6.2	7.1	8.1	9.0
52.5°	0.0	0.8	1.6	2.5	3.4	4.4	5.4	6.4	7.4	8.3	9.3
51.25°	0.0	0.8	1.7	2.5	3.5	4.6	5.6	6.6	7.6	8.6	9.5
50°	0.0	0.9	1.7	2.6	3.6	4.7	5.8	6.8	7.8	8.8	9.7
48.75°	0.0	0.9	1.8	2.7	3.7	4.8	5.9	7.0	8.0	9.1	10.0
47.5°	0.0	0.9	1.8	2.7	3.9	5.0	6.1	7.2	8.2	9.3	10.2
46.25°	0.0	0.9	1.9	2.8	4.0	5.1	6.2	7.3	8.4	9.5	10.4
45°	0.0	1.0	1.9	2.9	4.1	5.2	6.4	7.5	8.6	9.7	10.6
43.75°	0.0	1.0	2.0	3.0	4.2	5.4	6.5	7.7	8.8	9.8	10.8
42.5°	0.0	1.0	2.0	3.0	4.3	5.5	6.7	7.8	9.0	10.0	11.0
41.25°	0.0	1.0	2.0	3.1	4.4	5.6	6.8	8.0	9.2	10.2	11.2
40°	0.0	1.0	2.1	3.2	4.5	5.7	6.9	8.2	9.4	10.4	11.4
38.75°	0.0	1.1	2.1	3.3	4.5	5.8	7.1	8.3	9.5	10.6	11.6
37.5°	0.0	1.1	2.1	3.3	4.6	5.9	7.2	8.5	9.7	10.7	11.8
36.25°	0.0	1.1	2.2	3.4	4.7	6.0	7.3	8.6	9.8	10.9	11.9
35°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.8	9.9	11.0	12.1



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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	1.1	2.2	3.5	4.9	6.2	7.6	8.9	10.1	11.2	12.2
32.5°	0.0	1.1	2.3	3.6	5.0	6.3	7.7	9.0	10.2	11.3	12.4
31.25°	0.0	1.2	2.3	3.6	5.0	6.4	7.8	9.2	10.3	11.5	12.5
30°	0.0	1.2	2.3	3.7	5.1	6.5	7.9	9.3	10.4	11.6	12.6
28.75°	0.0	1.2	2.4	3.7	5.2	6.6	8.0	9.4	10.6	11.7	12.7
27.5°	0.0	1.2	2.4	3.8	5.3	6.7	8.1	9.5	10.7	11.9	12.8
26.25°	0.0	1.2	2.4	3.8	5.3	6.8	8.2	9.6	10.8	12.0	13.0
25°	0.0	1.2	2.4	3.9	5.4	6.8	8.3	9.7	10.9	12.1	13.1
23.75°	0.0	1.2	2.5	3.9	5.4	6.9	8.4	9.7	11.0	12.2	13.2
22.5°	0.0	1.2	2.5	4.0	5.5	7.0	8.5	9.8	11.1	12.2	13.3
21.25°	0.0	1.3	2.5	4.0	5.6	7.1	8.5	9.9	11.2	12.3	13.3
20°	0.0	1.3	2.5	4.1	5.6	7.1	8.6	10.0	11.2	12.4	13.4
18.75°	0.0	1.3	2.6	4.1	5.6	7.2	8.7	10.0	11.3	12.5	13.5
17.5°	0.0	1.3	2.6	4.1	5.7	7.2	8.8	10.1	11.4	12.5	13.6
16.25°	0.0	1.3	2.6	4.2	5.7	7.3	8.8	10.2	11.5	12.6	13.7
15°	0.0	1.3	2.6	4.2	5.8	7.3	8.9	10.2	11.5	12.7	13.7
13.75°	0.0	1.3	2.6	4.2	5.8	7.4	8.9	10.3	11.6	12.7	13.8
12.5°	0.0	1.3	2.6	4.2	5.8	7.4	9.0	10.3	11.6	12.8	13.8
11.25°	0.0	1.3	2.6	4.3	5.9	7.4	9.0	10.4	11.7	12.8	13.9
10°	0.0	1.3	2.7	4.3	5.9	7.5	9.1	10.4	11.7	12.8	13.9
8.75°	0.0	1.3	2.7	4.3	5.9	7.5	9.1	10.4	11.8	12.9	14.0
7.5°	0.0	1.3	2.7	4.3	5.9	7.5	9.1	10.5	11.8	12.9	14.0
6.25°	0.0	1.3	2.7	4.3	6.0	7.6	9.1	10.5	11.8	12.9	14.0
5°	0.0	1.3	2.7	4.3	6.0	7.6	9.2	10.5	11.9	13.0	14.1
3.75°	0.0	1.3	2.7	4.3	6.0	7.6	9.2	10.5	11.9	13.0	14.1
2.5°	0.0	1.3	2.7	4.3	6.0	7.6	9.2	10.5	11.9	13.0	14.1
1.25°	0.0	1.3	2.7	4.3	6.0	7.6	9.2	10.5	11.9	13.0	14.1
0°	0.0	1.3	2.7	4.4	6.0	7.6	9.2	10.6	11.9	13.0	14.1
-1.25°	0.0	1.3	2.7	4.3	6.0	7.6	9.2	10.5	11.9	13.0	14.1
-2.5°	0.0	1.3	2.7	4.3	6.0	7.6	9.2	10.5	11.9	13.0	14.1
-3.75°	0.0	1.3	2.7	4.3	6.0	7.6	9.2	10.5	11.9	13.0	14.1
-5°	0.0	1.3	2.7	4.3	6.0	7.6	9.2	10.5	11.9	13.0	14.1
-6.25°	0.0	1.3	2.7	4.3	6.0	7.6	9.1	10.5	11.8	12.9	14.0
-7.5°	0.0	1.3	2.7	4.3	5.9	7.5	9.1	10.5	11.8	12.9	14.0
-8.75°	0.0	1.3	2.7	4.3	5.9	7.5	9.1	10.4	11.8	12.9	14.0
-10°	0.0	1.3	2.7	4.3	5.9	7.5	9.1	10.4	11.7	12.8	13.9
-11.25°	0.0	1.3	2.6	4.3	5.9	7.4	9.0	10.4	11.7	12.8	13.9
-12.5°	0.0	1.3	2.6	4.2	5.8	7.4	9.0	10.3	11.6	12.8	13.8
-13.75°	0.0	1.3	2.6	4.2	5.8	7.4	8.9	10.3	11.6	12.7	13.8
-15°	0.0	1.3	2.6	4.2	5.8	7.3	8.9	10.2	11.5	12.7	13.7
-16.25°	0.0	1.3	2.6	4.2	5.7	7.3	8.8	10.2	11.5	12.6	13.7
-17.5°	0.0	1.3	2.6	4.1	5.7	7.2	8.8	10.1	11.4	12.5	13.6
-18.75°	0.0	1.3	2.6	4.1	5.6	7.2	8.7	10.0	11.3	12.5	13.5
-20°	0.0	1.3	2.5	4.1	5.6	7.1	8.6	10.0	11.2	12.4	13.4
-21.25°	0.0	1.3	2.5	4.0	5.6	7.1	8.5	9.9	11.2	12.3	13.3



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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	1.2	2.5	4.0	5.5	7.0	8.5	9.8	11.1	12.2	13.3
-23.75°	0.0	1.2	2.5	3.9	5.4	6.9	8.4	9.7	11.0	12.2	13.2
-25°	0.0	1.2	2.4	3.9	5.4	6.8	8.3	9.7	10.9	12.1	13.1
-26.25°	0.0	1.2	2.4	3.8	5.3	6.8	8.2	9.6	10.8	12.0	13.0
-27.5°	0.0	1.2	2.4	3.8	5.3	6.7	8.1	9.5	10.7	11.9	12.8
-28.75°	0.0	1.2	2.4	3.7	5.2	6.6	8.0	9.4	10.6	11.7	12.7
-30°	0.0	1.2	2.3	3.7	5.1	6.5	7.9	9.3	10.4	11.6	12.6
-31.25°	0.0	1.2	2.3	3.6	5.0	6.4	7.8	9.2	10.3	11.5	12.5
-32.5°	0.0	1.1	2.3	3.6	5.0	6.3	7.7	9.0	10.2	11.3	12.4
-33.75°	0.0	1.1	2.2	3.5	4.9	6.2	7.6	8.9	10.1	11.2	12.2
-35°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.8	9.9	11.0	12.1
-36.25°	0.0	1.1	2.2	3.4	4.7	6.0	7.3	8.6	9.8	10.9	11.9
-37.5°	0.0	1.1	2.1	3.3	4.6	5.9	7.2	8.5	9.7	10.7	11.8
-38.75°	0.0	1.1	2.1	3.3	4.5	5.8	7.1	8.3	9.5	10.6	11.6
-40°	0.0	1.0	2.1	3.2	4.5	5.7	6.9	8.2	9.4	10.4	11.4
-41.25°	0.0	1.0	2.0	3.1	4.4	5.6	6.8	8.0	9.2	10.2	11.2
-42.5°	0.0	1.0	2.0	3.0	4.3	5.5	6.7	7.8	9.0	10.0	11.0
-43.75°	0.0	1.0	2.0	3.0	4.2	5.4	6.5	7.7	8.8	9.8	10.8
-45°	0.0	1.0	1.9	2.9	4.1	5.2	6.4	7.5	8.6	9.7	10.6
-46.25°	0.0	0.9	1.9	2.8	4.0	5.1	6.2	7.3	8.4	9.5	10.4
-47.5°	0.0	0.9	1.8	2.7	3.9	5.0	6.1	7.2	8.2	9.3	10.2
-48.75°	0.0	0.9	1.8	2.7	3.7	4.8	5.9	7.0	8.0	9.1	10.0
-50°	0.0	0.9	1.7	2.6	3.6	4.7	5.8	6.8	7.8	8.8	9.7
-51.25°	0.0	0.8	1.7	2.5	3.5	4.6	5.6	6.6	7.6	8.6	9.5
-52.5°	0.0	0.8	1.6	2.5	3.4	4.4	5.4	6.4	7.4	8.3	9.3
-53.75°	0.0	0.8	1.6	2.4	3.3	4.3	5.2	6.2	7.1	8.1	9.0
-55°	0.0	0.8	1.5	2.3	3.2	4.1	5.1	6.0	6.9	7.8	8.7
-56.25°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.8	6.7	7.6	8.4
-57.5°	0.0	0.7	1.5	2.2	2.9	3.8	4.7	5.6	6.5	7.3	8.1
-58.75°	0.0	0.7	1.4	2.1	2.8	3.7	4.5	5.4	6.2	7.0	7.9
-60°	0.0	0.7	1.3	2.0	2.7	3.5	4.3	5.2	6.0	6.8	7.6
-61.25°	0.0	0.6	1.3	1.9	2.6	3.4	4.2	4.9	5.7	6.5	7.2
-62.5°	0.0	0.6	1.2	1.9	2.5	3.2	4.0	4.7	5.5	6.2	6.9
-63.75°	0.0	0.6	1.2	1.8	2.4	3.0	3.8	4.5	5.2	5.9	6.6
-65°	0.0	0.6	1.1	1.7	2.3	2.9	3.6	4.3	5.0	5.6	6.3
-66.25°	0.0	0.5	1.1	1.6	2.2	2.7	3.4	4.0	4.7	5.3	6.0
-67.5°	0.0	0.5	1.0	1.5	2.1	2.6	3.2	3.8	4.4	5.1	5.7
-68.75°	0.0	0.5	1.0	1.5	2.0	2.4	3.0	3.6	4.2	4.8	5.3
-70°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.3	3.9	4.5	5.0
-71.25°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.1	3.6	4.1	4.7
-72.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.4	3.8	4.3
-73.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.1	3.5	4.0
-75°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.2	3.6
-76.25°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.3
-77.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.7	2.0	2.3	2.6	2.9



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.4	2.6
-80°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
-81.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-82.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
-83.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5
-85°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2
-86.25°	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9
-87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-88.75°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6
87.5°	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2
86.25°	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8
85°	1.3	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.4
83.75°	1.6	1.7	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.9	3.0
82.5°	1.9	2.1	2.3	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
81.25°	2.2	2.4	2.6	2.9	3.1	3.3	3.6	3.8	4.0	4.3	4.5
80°	2.6	2.8	3.1	3.4	3.6	3.9	4.2	4.4	4.7	5.0	5.2
78.75°	2.9	3.2	3.5	3.8	4.1	4.5	4.8	5.1	5.3	5.6	5.9
77.5°	3.3	3.6	4.0	4.3	4.7	5.0	5.3	5.7	6.0	6.3	6.6
76.25°	3.7	4.1	4.4	4.8	5.2	5.6	5.9	6.3	6.6	7.0	7.3
75°	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.6	8.0
73.75°	4.4	4.9	5.3	5.8	6.2	6.6	7.1	7.5	7.9	8.3	8.7
72.5°	4.8	5.3	5.8	6.2	6.7	7.2	7.6	8.1	8.5	8.9	9.4
71.25°	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.5	9.9
70°	5.6	6.1	6.6	7.2	7.7	8.2	8.7	9.2	9.7	10.1	10.5
68.75°	5.9	6.5	7.1	7.6	8.2	8.7	9.3	9.7	10.2	10.6	11.1
67.5°	6.3	6.9	7.5	8.1	8.6	9.2	9.7	10.2	10.7	11.2	11.6
66.25°	6.6	7.3	7.9	8.5	9.1	9.7	10.2	10.7	11.2	11.7	12.1
65°	7.0	7.6	8.3	8.9	9.5	10.1	10.6	11.2	11.7	12.2	12.6
63.75°	7.3	8.0	8.7	9.4	9.9	10.5	11.1	11.6	12.1	12.6	13.0
62.5°	7.7	8.4	9.1	9.7	10.3	10.9	11.5	12.1	12.5	13.0	13.5
61.25°	8.0	8.8	9.5	10.1	10.7	11.3	11.9	12.4	12.9	13.4	13.9
60°	8.3	9.1	9.8	10.4	11.1	11.7	12.3	12.8	13.3	13.8	14.3
58.75°	8.7	9.4	10.1	10.8	11.5	12.1	12.6	13.2	13.7	14.2	14.8
57.5°	9.0	9.7	10.4	11.1	11.8	12.4	13.0	13.5	14.1	14.6	15.2
56.25°	9.3	10.0	10.8	11.5	12.2	12.7	13.3	13.9	14.5	15.0	15.6
55°	9.6	10.3	11.1	11.8	12.4	13.1	13.7	14.3	14.9	15.4	16.0
53.75°	9.8	10.6	11.4	12.1	12.7	13.4	14.0	14.6	15.2	15.8	16.4
52.5°	10.1	10.9	11.7	12.4	13.0	13.7	14.3	15.0	15.6	16.2	16.8
51.25°	10.3	11.2	12.0	12.6	13.3	14.0	14.6	15.3	15.9	16.6	17.2
50°	10.6	11.4	12.2	12.9	13.6	14.3	15.0	15.6	16.3	16.9	17.6
48.75°	10.8	11.7	12.5	13.2	13.9	14.6	15.3	16.0	16.6	17.3	17.9
47.5°	11.1	12.0	12.7	13.4	14.1	14.9	15.6	16.3	17.0	17.6	18.3
46.25°	11.3	12.2	12.9	13.7	14.4	15.1	15.9	16.6	17.3	18.0	18.9
45°	11.5	12.4	13.1	13.9	14.7	15.4	16.2	16.9	17.6	18.3	19.7
43.75°	11.8	12.6	13.4	14.1	14.9	15.7	16.4	17.2	17.9	18.9	20.4
42.5°	12.0	12.8	13.6	14.4	15.2	16.0	16.7	17.5	18.2	19.6	21.1
41.25°	12.2	13.0	13.8	14.6	15.4	16.2	17.0	17.7	18.6	20.2	21.8
40°	12.3	13.2	14.0	14.8	15.6	16.5	17.2	18.0	19.2	20.8	22.5
38.75°	12.5	13.3	14.2	15.0	15.9	16.7	17.5	18.3	19.8	21.5	23.1
37.5°	12.7	13.5	14.4	15.2	16.1	16.9	17.7	18.7	20.4	22.1	23.6
36.25°	12.8	13.7	14.6	15.5	16.3	17.1	18.0	19.2	21.0	22.7	24.2
35°	13.0	13.9	14.8	15.6	16.5	17.4	18.2	19.8	21.5	23.2	24.7



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	13.1	14.0	14.9	15.8	16.7	17.6	18.5	20.3	22.0	23.7	25.2
32.5°	13.3	14.2	15.1	16.0	16.9	17.8	18.9	20.7	22.5	24.1	25.7
31.25°	13.4	14.3	15.3	16.2	17.1	18.0	19.4	21.2	23.0	24.6	26.2
30°	13.6	14.5	15.4	16.4	17.3	18.2	19.8	21.7	23.4	25.0	26.6
28.75°	13.7	14.6	15.6	16.5	17.4	18.4	20.2	22.1	23.8	25.5	27.2
27.5°	13.8	14.8	15.7	16.7	17.6	18.7	20.6	22.5	24.2	25.9	27.8
26.25°	13.9	14.9	15.9	16.8	17.8	19.0	21.0	22.9	24.6	26.3	28.3
25°	14.0	15.0	16.0	17.0	17.9	19.4	21.4	23.2	24.9	26.6	28.8
23.75°	14.2	15.2	16.2	17.1	18.1	19.7	21.7	23.6	25.3	27.1	29.3
22.5°	14.3	15.3	16.3	17.2	18.2	20.0	22.0	23.9	25.6	27.5	29.8
21.25°	14.4	15.4	16.4	17.4	18.3	20.3	22.3	24.2	25.9	28.0	30.2
20°	14.5	15.5	16.5	17.5	18.5	20.6	22.6	24.4	26.2	28.4	30.6
18.75°	14.5	15.6	16.6	17.6	18.8	20.9	22.9	24.7	26.5	28.7	31.0
17.5°	14.6	15.7	16.7	17.7	19.0	21.1	23.1	24.9	26.8	29.1	31.4
16.25°	14.7	15.8	16.8	17.8	19.2	21.3	23.4	25.2	27.1	29.4	31.7
15°	14.8	15.8	16.9	17.9	19.4	21.6	23.5	25.4	27.4	29.7	31.9
13.75°	14.8	15.9	16.9	18.0	19.6	21.8	23.7	25.6	27.6	30.0	32.2
12.5°	14.9	16.0	17.0	18.0	19.8	21.9	23.9	25.7	27.9	30.3	32.4
11.25°	15.0	16.0	17.1	18.1	19.9	22.1	24.1	25.9	28.1	30.5	32.5
10°	15.0	16.1	17.1	18.2	20.1	22.2	24.2	26.1	28.3	30.7	32.7
8.75°	15.1	16.1	17.2	18.2	20.2	22.4	24.3	26.2	28.5	30.9	32.9
7.5°	15.1	16.2	17.2	18.3	20.3	22.5	24.4	26.3	28.6	31.1	33.0
6.25°	15.1	16.2	17.3	18.3	20.4	22.6	24.5	26.4	28.8	31.2	33.1
5°	15.2	16.2	17.3	18.3	20.5	22.7	24.6	26.5	28.9	31.3	33.2
3.75°	15.2	16.3	17.3	18.4	20.5	22.7	24.6	26.5	28.9	31.4	33.3
2.5°	15.2	16.3	17.3	18.4	20.6	22.8	24.7	26.6	29.0	31.5	33.3
1.25°	15.2	16.3	17.3	18.4	20.6	22.8	24.7	26.6	29.0	31.5	33.3
0°	15.2	16.3	17.4	18.4	20.6	22.8	24.7	26.6	29.1	31.5	33.4
-1.25°	15.2	16.3	17.3	18.4	20.6	22.8	24.7	26.6	29.0	31.5	33.3
-2.5°	15.2	16.3	17.3	18.4	20.6	22.8	24.7	26.6	29.0	31.5	33.3
-3.75°	15.2	16.3	17.3	18.4	20.5	22.7	24.6	26.5	28.9	31.4	33.3
-5°	15.2	16.2	17.3	18.3	20.5	22.7	24.6	26.5	28.9	31.3	33.2
-6.25°	15.1	16.2	17.3	18.3	20.4	22.6	24.5	26.4	28.8	31.2	33.1
-7.5°	15.1	16.2	17.2	18.3	20.3	22.5	24.4	26.3	28.6	31.1	33.0
-8.75°	15.1	16.1	17.2	18.2	20.2	22.4	24.3	26.2	28.5	30.9	32.9
-10°	15.0	16.1	17.1	18.2	20.1	22.2	24.2	26.1	28.3	30.7	32.7
-11.25°	15.0	16.0	17.1	18.1	19.9	22.1	24.1	25.9	28.1	30.5	32.5
-12.5°	14.9	16.0	17.0	18.0	19.8	21.9	23.9	25.7	27.9	30.3	32.4
-13.75°	14.8	15.9	16.9	18.0	19.6	21.8	23.7	25.6	27.6	30.0	32.2
-15°	14.8	15.8	16.9	17.9	19.4	21.6	23.5	25.4	27.4	29.7	31.9
-16.25°	14.7	15.8	16.8	17.8	19.2	21.3	23.4	25.2	27.1	29.4	31.7
-17.5°	14.6	15.7	16.7	17.7	19.0	21.1	23.1	24.9	26.8	29.1	31.4
-18.75°	14.5	15.6	16.6	17.6	18.8	20.9	22.9	24.7	26.5	28.7	31.0
-20°	14.5	15.5	16.5	17.5	18.5	20.6	22.6	24.4	26.2	28.4	30.6
-21.25°	14.4	15.4	16.4	17.4	18.3	20.3	22.3	24.2	25.9	28.0	30.2



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	14.3	15.3	16.3	17.2	18.2	20.0	22.0	23.9	25.6	27.5	29.8
-23.75°	14.2	15.2	16.2	17.1	18.1	19.7	21.7	23.6	25.3	27.1	29.3
-25°	14.0	15.0	16.0	17.0	17.9	19.4	21.4	23.2	24.9	26.6	28.8
-26.25°	13.9	14.9	15.9	16.8	17.8	19.0	21.0	22.9	24.6	26.3	28.3
-27.5°	13.8	14.8	15.7	16.7	17.6	18.7	20.6	22.5	24.2	25.9	27.8
-28.75°	13.7	14.6	15.6	16.5	17.4	18.4	20.2	22.1	23.8	25.5	27.2
-30°	13.6	14.5	15.4	16.4	17.3	18.2	19.8	21.7	23.4	25.0	26.6
-31.25°	13.4	14.3	15.3	16.2	17.1	18.0	19.4	21.2	23.0	24.6	26.2
-32.5°	13.3	14.2	15.1	16.0	16.9	17.8	18.9	20.7	22.5	24.1	25.7
-33.75°	13.1	14.0	14.9	15.8	16.7	17.6	18.5	20.3	22.0	23.7	25.2
-35°	13.0	13.9	14.8	15.6	16.5	17.4	18.2	19.8	21.5	23.2	24.7
-36.25°	12.8	13.7	14.6	15.5	16.3	17.1	18.0	19.2	21.0	22.7	24.2
-37.5°	12.7	13.5	14.4	15.2	16.1	16.9	17.7	18.7	20.4	22.1	23.6
-38.75°	12.5	13.3	14.2	15.0	15.9	16.7	17.5	18.3	19.8	21.5	23.1
-40°	12.3	13.2	14.0	14.8	15.6	16.5	17.2	18.0	19.2	20.8	22.5
-41.25°	12.2	13.0	13.8	14.6	15.4	16.2	17.0	17.7	18.6	20.2	21.8
-42.5°	12.0	12.8	13.6	14.4	15.2	16.0	16.7	17.5	18.2	19.6	21.1
-43.75°	11.8	12.6	13.4	14.1	14.9	15.7	16.4	17.2	17.9	18.9	20.4
-45°	11.5	12.4	13.1	13.9	14.7	15.4	16.2	16.9	17.6	18.3	19.7
-46.25°	11.3	12.2	12.9	13.7	14.4	15.1	15.9	16.6	17.3	18.0	18.9
-47.5°	11.1	12.0	12.7	13.4	14.1	14.9	15.6	16.3	17.0	17.6	18.3
-48.75°	10.8	11.7	12.5	13.2	13.9	14.6	15.3	16.0	16.6	17.3	17.9
-50°	10.6	11.4	12.2	12.9	13.6	14.3	15.0	15.6	16.3	16.9	17.6
-51.25°	10.3	11.2	12.0	12.6	13.3	14.0	14.6	15.3	15.9	16.6	17.2
-52.5°	10.1	10.9	11.7	12.4	13.0	13.7	14.3	15.0	15.6	16.2	16.8
-53.75°	9.8	10.6	11.4	12.1	12.7	13.4	14.0	14.6	15.2	15.8	16.4
-55°	9.6	10.3	11.1	11.8	12.4	13.1	13.7	14.3	14.9	15.4	16.0
-56.25°	9.3	10.0	10.8	11.5	12.2	12.7	13.3	13.9	14.5	15.0	15.6
-57.5°	9.0	9.7	10.4	11.1	11.8	12.4	13.0	13.5	14.1	14.6	15.2
-58.75°	8.7	9.4	10.1	10.8	11.5	12.1	12.6	13.2	13.7	14.2	14.8
-60°	8.3	9.1	9.8	10.4	11.1	11.7	12.3	12.8	13.3	13.8	14.3
-61.25°	8.0	8.8	9.5	10.1	10.7	11.3	11.9	12.4	12.9	13.4	13.9
-62.5°	7.7	8.4	9.1	9.7	10.3	10.9	11.5	12.1	12.5	13.0	13.5
-63.75°	7.3	8.0	8.7	9.4	9.9	10.5	11.1	11.6	12.1	12.6	13.0
-65°	7.0	7.6	8.3	8.9	9.5	10.1	10.6	11.2	11.7	12.2	12.6
-66.25°	6.6	7.3	7.9	8.5	9.1	9.7	10.2	10.7	11.2	11.7	12.1
-67.5°	6.3	6.9	7.5	8.1	8.6	9.2	9.7	10.2	10.7	11.2	11.6
-68.75°	5.9	6.5	7.1	7.6	8.2	8.7	9.3	9.7	10.2	10.6	11.1
-70°	5.6	6.1	6.6	7.2	7.7	8.2	8.7	9.2	9.7	10.1	10.5
-71.25°	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.5	9.9
-72.5°	4.8	5.3	5.8	6.2	6.7	7.2	7.6	8.1	8.5	8.9	9.4
-73.75°	4.4	4.9	5.3	5.8	6.2	6.6	7.1	7.5	7.9	8.3	8.7
-75°	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.6	8.0
-76.25°	3.7	4.1	4.4	4.8	5.2	5.6	5.9	6.3	6.6	7.0	7.3
-77.5°	3.3	3.6	4.0	4.3	4.7	5.0	5.3	5.7	6.0	6.3	6.6



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	2.9	3.2	3.5	3.8	4.1	4.5	4.8	5.1	5.3	5.6	5.9
-80°	2.6	2.8	3.1	3.4	3.6	3.9	4.2	4.4	4.7	5.0	5.2
-81.25°	2.2	2.4	2.6	2.9	3.1	3.3	3.6	3.8	4.0	4.3	4.5
-82.5°	1.9	2.1	2.3	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
-83.75°	1.6	1.7	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.9	3.0
-85°	1.3	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.4
-86.25°	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8
-87.5°	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2
-88.75°	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9
87.5°	1.2	1.3	1.3	1.4	1.5	1.5	1.5	1.6	1.6	1.7	1.7
86.25°	1.9	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6
85°	2.5	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6
83.75°	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7
82.5°	4.0	4.2	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.6	5.8
81.25°	4.7	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8
80°	5.5	5.7	6.0	6.2	6.5	6.7	6.9	7.1	7.4	7.6	7.8
78.75°	6.2	6.5	6.8	7.0	7.3	7.6	7.8	8.1	8.3	8.6	8.8
77.5°	6.9	7.2	7.6	7.9	8.1	8.4	8.7	9.0	9.3	9.5	9.7
76.25°	7.7	8.0	8.3	8.7	9.0	9.3	9.6	9.8	10.1	10.3	10.6
75°	8.4	8.8	9.1	9.4	9.7	10.0	10.3	10.6	10.9	11.2	11.4
73.75°	9.1	9.5	9.8	10.1	10.4	10.8	11.1	11.4	11.7	12.0	12.2
72.5°	9.7	10.1	10.4	10.8	11.1	11.5	11.8	12.1	12.4	12.6	12.9
71.25°	10.3	10.7	11.1	11.5	11.8	12.2	12.4	12.7	13.0	13.3	13.6
70°	10.9	11.3	11.7	12.1	12.4	12.7	13.1	13.4	13.7	14.0	14.3
68.75°	11.5	11.9	12.3	12.6	13.0	13.3	13.7	14.0	14.3	14.6	15.0
67.5°	12.1	12.4	12.8	13.2	13.5	13.9	14.3	14.6	15.0	15.3	15.6
66.25°	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.2	15.6	15.9	16.3
65°	13.0	13.4	13.8	14.2	14.6	15.0	15.4	15.8	16.2	16.6	16.9
63.75°	13.5	13.9	14.3	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.6
62.5°	13.9	14.4	14.8	15.3	15.7	16.2	16.6	17.0	17.4	17.8	18.2
61.25°	14.4	14.9	15.3	15.8	16.3	16.7	17.2	17.6	18.0	18.4	19.3
60°	14.8	15.3	15.8	16.3	16.8	17.2	17.7	18.1	18.8	19.7	20.6
58.75°	15.3	15.8	16.3	16.8	17.3	17.8	18.2	19.0	20.0	20.9	21.9
57.5°	15.7	16.3	16.8	17.3	17.8	18.3	19.2	20.2	21.2	22.2	23.1
56.25°	16.2	16.7	17.2	17.8	18.3	19.2	20.3	21.4	22.4	23.3	24.2
55°	16.6	17.2	17.7	18.2	19.2	20.3	21.4	22.5	23.5	24.4	25.3
53.75°	17.0	17.6	18.1	19.0	20.2	21.4	22.5	23.5	24.5	25.4	26.4
52.5°	17.4	18.0	18.8	20.0	21.2	22.4	23.5	24.5	25.5	26.4	27.6
51.25°	17.8	18.4	19.7	20.9	22.2	23.3	24.4	25.4	26.4	27.7	29.0
50°	18.2	19.3	20.6	21.9	23.1	24.2	25.3	26.4	27.6	29.0	30.3
48.75°	18.8	20.1	21.5	22.8	23.9	25.1	26.2	27.5	28.9	30.3	31.6
47.5°	19.6	21.0	22.3	23.6	24.8	25.9	27.2	28.6	30.1	31.5	32.6
46.25°	20.4	21.8	23.1	24.4	25.6	26.8	28.3	29.8	31.3	32.5	33.6
45°	21.1	22.6	23.9	25.1	26.3	27.8	29.4	30.9	32.2	33.4	34.5
43.75°	21.9	23.3	24.6	25.9	27.3	28.9	30.5	31.9	33.1	34.3	35.4
42.5°	22.6	24.0	25.3	26.6	28.2	29.9	31.5	32.8	34.0	35.2	36.2
41.25°	23.3	24.6	26.0	27.5	29.2	30.9	32.3	33.6	34.8	36.0	37.0
40°	23.9	25.3	26.6	28.4	30.1	31.8	33.1	34.4	35.6	36.7	37.8
38.75°	24.5	25.9	27.5	29.3	31.1	32.5	33.8	35.1	36.3	37.5	38.6
37.5°	25.1	26.5	28.3	30.1	31.8	33.2	34.6	35.8	37.0	38.2	39.1
36.25°	25.6	27.2	29.1	31.0	32.5	33.9	35.3	36.5	37.7	38.8	39.6
35°	26.2	28.0	29.9	31.7	33.1	34.6	35.9	37.1	38.4	39.2	40.1



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	26.8	28.7	30.6	32.3	33.8	35.2	36.5	37.8	38.9	39.7	40.5
32.5°	27.4	29.4	31.4	32.9	34.4	35.8	37.1	38.4	39.3	40.1	41.1
31.25°	28.1	30.1	32.0	33.5	35.0	36.3	37.7	38.8	39.7	40.6	41.6
30°	28.7	30.7	32.5	34.0	35.5	36.9	38.2	39.2	40.1	41.1	42.1
28.75°	29.3	31.4	33.0	34.5	36.0	37.4	38.7	39.6	40.5	41.5	42.6
27.5°	29.9	31.9	33.5	35.0	36.5	37.9	39.0	39.9	40.9	42.0	43.1
26.25°	30.5	32.3	33.9	35.5	36.9	38.3	39.3	40.3	41.3	42.5	43.6
25°	31.0	32.7	34.4	35.9	37.4	38.7	39.7	40.6	41.8	42.9	44.0
23.75°	31.5	33.2	34.8	36.3	37.8	39.0	40.0	41.0	42.2	43.4	44.3
22.5°	31.9	33.5	35.2	36.7	38.2	39.3	40.3	41.4	42.6	43.7	44.7
21.25°	32.2	33.9	35.6	37.1	38.5	39.5	40.5	41.7	42.9	44.0	45.0
20°	32.6	34.3	35.9	37.4	38.8	39.8	40.8	42.1	43.3	44.3	45.3
18.75°	32.9	34.6	36.2	37.7	39.0	40.0	41.1	42.4	43.6	44.6	45.6
17.5°	33.2	34.9	36.5	38.0	39.2	40.3	41.4	42.7	43.8	44.9	45.9
16.25°	33.4	35.2	36.8	38.3	39.4	40.5	41.7	43.0	44.1	45.1	46.1
15°	33.7	35.4	37.0	38.6	39.6	40.7	41.9	43.2	44.3	45.3	46.3
13.75°	33.9	35.7	37.3	38.7	39.8	40.9	42.2	43.4	44.5	45.6	46.6
12.5°	34.2	35.9	37.5	38.9	39.9	41.1	42.4	43.6	44.7	45.7	46.8
11.25°	34.4	36.1	37.7	39.0	40.1	41.3	42.6	43.8	44.9	45.9	46.9
10°	34.5	36.2	37.8	39.1	40.2	41.4	42.7	43.9	45.0	46.1	47.1
8.75°	34.7	36.4	38.0	39.2	40.3	41.6	42.9	44.1	45.2	46.2	47.2
7.5°	34.8	36.5	38.1	39.3	40.4	41.7	43.0	44.2	45.3	46.3	47.4
6.25°	34.9	36.6	38.2	39.4	40.5	41.8	43.1	44.3	45.4	46.4	47.5
5°	35.0	36.7	38.3	39.5	40.6	41.9	43.2	44.4	45.5	46.5	47.5
3.75°	35.1	36.8	38.4	39.5	40.6	42.0	43.3	44.4	45.5	46.6	47.6
2.5°	35.2	36.8	38.5	39.6	40.7	42.0	43.4	44.5	45.6	46.6	47.7
1.25°	35.2	36.8	38.5	39.6	40.7	42.0	43.4	44.5	45.6	46.6	47.7
0°	35.2	36.8	38.5	39.6	40.7	42.0	43.4	44.5	45.6	46.6	47.7
-1.25°	35.2	36.8	38.5	39.6	40.7	42.0	43.4	44.5	45.6	46.6	47.7
-2.5°	35.2	36.8	38.5	39.6	40.7	42.0	43.4	44.5	45.6	46.6	47.7
-3.75°	35.1	36.8	38.4	39.5	40.6	42.0	43.3	44.4	45.5	46.6	47.6
-5°	35.0	36.7	38.3	39.5	40.6	41.9	43.2	44.4	45.5	46.5	47.5
-6.25°	34.9	36.6	38.2	39.4	40.5	41.8	43.1	44.3	45.4	46.4	47.5
-7.5°	34.8	36.5	38.1	39.3	40.4	41.7	43.0	44.2	45.3	46.3	47.4
-8.75°	34.7	36.4	38.0	39.2	40.3	41.6	42.9	44.1	45.2	46.2	47.2
-10°	34.5	36.2	37.8	39.1	40.2	41.4	42.7	43.9	45.0	46.1	47.1
-11.25°	34.4	36.1	37.7	39.0	40.1	41.3	42.6	43.8	44.9	45.9	46.9
-12.5°	34.2	35.9	37.5	38.9	39.9	41.1	42.4	43.6	44.7	45.7	46.8
-13.75°	33.9	35.7	37.3	38.7	39.8	40.9	42.2	43.4	44.5	45.6	46.6
-15°	33.7	35.4	37.0	38.6	39.6	40.7	41.9	43.2	44.3	45.3	46.3
-16.25°	33.4	35.2	36.8	38.3	39.4	40.5	41.7	43.0	44.1	45.1	46.1
-17.5°	33.2	34.9	36.5	38.0	39.2	40.3	41.4	42.7	43.8	44.9	45.9
-18.75°	32.9	34.6	36.2	37.7	39.0	40.0	41.1	42.4	43.6	44.6	45.6
-20°	32.6	34.3	35.9	37.4	38.8	39.8	40.8	42.1	43.3	44.3	45.3
-21.25°	32.2	33.9	35.6	37.1	38.5	39.5	40.5	41.7	42.9	44.0	45.0



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	31.9	33.5	35.2	36.7	38.2	39.3	40.3	41.4	42.6	43.7	44.7
-23.75°	31.5	33.2	34.8	36.3	37.8	39.0	40.0	41.0	42.2	43.4	44.3
-25°	31.0	32.7	34.4	35.9	37.4	38.7	39.7	40.6	41.8	42.9	44.0
-26.25°	30.5	32.3	33.9	35.5	36.9	38.3	39.3	40.3	41.3	42.5	43.6
-27.5°	29.9	31.9	33.5	35.0	36.5	37.9	39.0	39.9	40.9	42.0	43.1
-28.75°	29.3	31.4	33.0	34.5	36.0	37.4	38.7	39.6	40.5	41.5	42.6
-30°	28.7	30.7	32.5	34.0	35.5	36.9	38.2	39.2	40.1	41.1	42.1
-31.25°	28.1	30.1	32.0	33.5	35.0	36.3	37.7	38.8	39.7	40.6	41.6
-32.5°	27.4	29.4	31.4	32.9	34.4	35.8	37.1	38.4	39.3	40.1	41.1
-33.75°	26.8	28.7	30.6	32.3	33.8	35.2	36.5	37.8	38.9	39.7	40.5
-35°	26.2	28.0	29.9	31.7	33.1	34.6	35.9	37.1	38.4	39.2	40.1
-36.25°	25.6	27.2	29.1	31.0	32.5	33.9	35.3	36.5	37.7	38.8	39.6
-37.5°	25.1	26.5	28.3	30.1	31.8	33.2	34.6	35.8	37.0	38.2	39.1
-38.75°	24.5	25.9	27.5	29.3	31.1	32.5	33.8	35.1	36.3	37.5	38.6
-40°	23.9	25.3	26.6	28.4	30.1	31.8	33.1	34.4	35.6	36.7	37.8
-41.25°	23.3	24.6	26.0	27.5	29.2	30.9	32.3	33.6	34.8	36.0	37.0
-42.5°	22.6	24.0	25.3	26.6	28.2	29.9	31.5	32.8	34.0	35.2	36.2
-43.75°	21.9	23.3	24.6	25.9	27.3	28.9	30.5	31.9	33.1	34.3	35.4
-45°	21.1	22.6	23.9	25.1	26.3	27.8	29.4	30.9	32.2	33.4	34.5
-46.25°	20.4	21.8	23.1	24.4	25.6	26.8	28.3	29.8	31.3	32.5	33.6
-47.5°	19.6	21.0	22.3	23.6	24.8	25.9	27.2	28.6	30.1	31.5	32.6
-48.75°	18.8	20.1	21.5	22.8	23.9	25.1	26.2	27.5	28.9	30.3	31.6
-50°	18.2	19.3	20.6	21.9	23.1	24.2	25.3	26.4	27.6	29.0	30.3
-51.25°	17.8	18.4	19.7	20.9	22.2	23.3	24.4	25.4	26.4	27.7	29.0
-52.5°	17.4	18.0	18.8	20.0	21.2	22.4	23.5	24.5	25.5	26.4	27.6
-53.75°	17.0	17.6	18.1	19.0	20.2	21.4	22.5	23.5	24.5	25.4	26.4
-55°	16.6	17.2	17.7	18.2	19.2	20.3	21.4	22.5	23.5	24.4	25.3
-56.25°	16.2	16.7	17.2	17.8	18.3	19.2	20.3	21.4	22.4	23.3	24.2
-57.5°	15.7	16.3	16.8	17.3	17.8	18.3	19.2	20.2	21.2	22.2	23.1
-58.75°	15.3	15.8	16.3	16.8	17.3	17.8	18.2	19.0	20.0	20.9	21.9
-60°	14.8	15.3	15.8	16.3	16.8	17.2	17.7	18.1	18.8	19.7	20.6
-61.25°	14.4	14.9	15.3	15.8	16.3	16.7	17.2	17.6	18.0	18.4	19.3
-62.5°	13.9	14.4	14.8	15.3	15.7	16.2	16.6	17.0	17.4	17.8	18.2
-63.75°	13.5	13.9	14.3	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.6
-65°	13.0	13.4	13.8	14.2	14.6	15.0	15.4	15.8	16.2	16.6	16.9
-66.25°	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.2	15.6	15.9	16.3
-67.5°	12.1	12.4	12.8	13.2	13.5	13.9	14.3	14.6	15.0	15.3	15.6
-68.75°	11.5	11.9	12.3	12.6	13.0	13.3	13.7	14.0	14.3	14.6	15.0
-70°	10.9	11.3	11.7	12.1	12.4	12.7	13.1	13.4	13.7	14.0	14.3
-71.25°	10.3	10.7	11.1	11.5	11.8	12.2	12.4	12.7	13.0	13.3	13.6
-72.5°	9.7	10.1	10.4	10.8	11.1	11.5	11.8	12.1	12.4	12.6	12.9
-73.75°	9.1	9.5	9.8	10.1	10.4	10.8	11.1	11.4	11.7	12.0	12.2
-75°	8.4	8.8	9.1	9.4	9.7	10.0	10.3	10.6	10.9	11.2	11.4
-76.25°	7.7	8.0	8.3	8.7	9.0	9.3	9.6	9.8	10.1	10.3	10.6
-77.5°	6.9	7.2	7.6	7.9	8.1	8.4	8.7	9.0	9.3	9.5	9.7



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	6.2	6.5	6.8	7.0	7.3	7.6	7.8	8.1	8.3	8.6	8.8
-80°	5.5	5.7	6.0	6.2	6.5	6.7	6.9	7.1	7.4	7.6	7.8
-81.25°	4.7	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8
-82.5°	4.0	4.2	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.6	5.8
-83.75°	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7
-85°	2.5	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6
-86.25°	1.9	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6
-87.5°	1.2	1.3	1.3	1.4	1.5	1.5	1.5	1.6	1.6	1.7	1.7
-88.75°	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
87.5°	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2
86.25°	2.7	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.4
85°	3.7	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.7
83.75°	4.8	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0
82.5°	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.1	7.2	7.3
81.25°	7.0	7.2	7.3	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.6
80°	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.8
78.75°	9.1	9.3	9.5	9.7	9.8	10.0	10.2	10.4	10.6	10.7	10.9
77.5°	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	11.9
76.25°	10.8	11.1	11.3	11.5	11.8	12.0	12.2	12.3	12.5	12.7	12.8
75°	11.7	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.3	13.5	13.7
73.75°	12.5	12.7	12.9	13.1	13.4	13.6	13.8	14.0	14.2	14.4	14.6
72.5°	13.2	13.4	13.7	13.9	14.1	14.4	14.6	14.8	15.0	15.2	15.5
71.25°	13.9	14.1	14.4	14.7	14.9	15.2	15.4	15.6	15.9	16.1	16.3
70°	14.6	14.9	15.1	15.4	15.7	16.0	16.2	16.5	16.7	16.9	17.1
68.75°	15.3	15.6	15.9	16.2	16.4	16.7	17.0	17.2	17.5	17.7	18.0
67.5°	16.0	16.3	16.6	16.9	17.2	17.5	17.7	18.0	18.3	18.7	19.2
66.25°	16.6	17.0	17.3	17.6	17.9	18.2	18.6	19.2	19.8	20.4	21.0
65°	17.3	17.6	18.0	18.3	18.9	19.6	20.2	20.8	21.5	22.1	22.7
63.75°	17.9	18.3	18.9	19.7	20.4	21.1	21.8	22.5	23.1	23.6	24.2
62.5°	18.8	19.6	20.4	21.1	21.9	22.6	23.3	23.9	24.5	25.1	25.6
61.25°	20.1	21.0	21.8	22.6	23.3	24.0	24.6	25.3	25.9	26.5	27.2
60°	21.5	22.3	23.1	23.9	24.6	25.3	26.0	26.6	27.5	28.3	29.1
58.75°	22.8	23.6	24.4	25.1	25.9	26.6	27.5	28.4	29.3	30.1	31.0
57.5°	23.9	24.8	25.6	26.3	27.3	28.2	29.2	30.1	31.1	31.8	32.5
56.25°	25.1	25.9	26.8	27.8	28.9	29.9	30.9	31.8	32.5	33.2	33.9
55°	26.2	27.2	28.3	29.4	30.5	31.5	32.3	33.1	33.8	34.6	35.3
53.75°	27.5	28.6	29.8	30.9	31.9	32.8	33.6	34.4	35.1	35.8	36.5
52.5°	28.9	30.1	31.3	32.2	33.1	34.0	34.8	35.6	36.3	37.0	37.7
51.25°	30.3	31.5	32.5	33.4	34.3	35.2	36.0	36.7	37.5	38.2	38.8
50°	31.6	32.6	33.6	34.5	35.4	36.2	37.0	37.8	38.6	39.1	39.6
48.75°	32.6	33.6	34.6	35.6	36.4	37.3	38.1	38.8	39.3	39.9	40.4
47.5°	33.6	34.7	35.7	36.6	37.5	38.3	39.0	39.5	40.1	40.6	41.3
46.25°	34.6	35.7	36.6	37.5	38.5	39.1	39.7	40.2	40.8	41.5	42.2
45°	35.6	36.6	37.5	38.5	39.1	39.8	40.4	41.0	41.7	42.5	43.1
43.75°	36.4	37.5	38.5	39.1	39.8	40.4	41.1	41.9	42.6	43.4	44.0
42.5°	37.3	38.3	39.1	39.8	40.4	41.2	42.0	42.7	43.5	44.1	44.7
41.25°	38.1	39.0	39.7	40.4	41.1	42.0	42.8	43.5	44.2	44.8	45.4
40°	38.8	39.5	40.2	41.0	41.9	42.7	43.5	44.2	44.9	45.5	46.1
38.75°	39.3	40.1	40.8	41.7	42.6	43.5	44.2	44.9	45.6	46.2	46.8
37.5°	39.9	40.6	41.5	42.5	43.4	44.1	44.8	45.5	46.2	46.9	47.5
36.25°	40.4	41.3	42.2	43.1	44.0	44.7	45.4	46.1	46.8	47.5	48.7
35°	40.9	41.9	42.9	43.7	44.5	45.3	46.0	46.7	47.5	48.6	50.1



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	41.5	42.5	43.5	44.3	45.1	45.9	46.6	47.3	48.4	49.9	51.4
32.5°	42.1	43.1	44.0	44.8	45.6	46.4	47.2	48.1	49.7	51.2	53.9
31.25°	42.7	43.6	44.5	45.3	46.1	46.9	47.7	49.3	50.9	53.1	57.5
30°	43.2	44.1	45.0	45.8	46.6	47.4	48.8	50.4	52.1	56.6	61.0
28.75°	43.7	44.6	45.4	46.3	47.1	48.2	49.9	51.6	55.3	59.9	64.5
27.5°	44.1	45.0	45.9	46.7	47.6	49.2	50.9	53.6	58.4	63.1	70.3
26.25°	44.5	45.4	46.3	47.2	48.4	50.2	51.9	56.5	61.4	67.6	76.0
25°	44.9	45.8	46.7	47.6	49.3	51.1	54.3	59.4	64.4	73.0	81.5
23.75°	45.3	46.2	47.1	48.3	50.1	52.0	57.0	62.1	69.3	78.1	86.9
22.5°	45.6	46.5	47.5	49.1	51.0	54.3	59.5	64.9	74.0	83.0	92.3
21.25°	46.0	46.9	47.9	49.9	51.8	56.6	61.9	69.3	78.6	87.9	97.4
20°	46.3	47.2	48.6	50.6	53.3	58.8	64.3	73.5	83.0	92.6	102.4
18.75°	46.6	47.5	49.3	51.3	55.4	60.9	67.9	77.5	87.1	97.1	107.1
17.5°	46.8	47.9	49.9	51.9	57.3	62.9	71.5	81.3	91.3	101.4	112.2
16.25°	47.1	48.5	50.5	53.4	59.1	65.0	74.9	84.9	95.1	105.4	117.6
15°	47.3	49.0	51.1	55.0	60.8	68.1	78.1	88.3	98.8	109.3	122.7
13.75°	47.6	49.5	51.6	56.5	62.3	70.9	81.1	91.5	102.1	113.8	127.4
12.5°	47.8	49.9	52.0	57.8	63.8	73.5	83.8	94.5	105.2	118.0	131.7
11.25°	48.2	50.3	53.1	59.1	65.5	75.9	86.3	97.2	108.1	121.7	135.7
10°	48.6	50.7	54.2	60.2	67.5	78.0	88.6	99.6	111.1	125.2	139.2
8.75°	48.9	51.0	55.2	61.2	69.3	79.9	90.7	101.8	114.0	128.2	142.4
7.5°	49.1	51.3	56.0	62.1	70.9	81.6	92.5	103.7	116.5	130.9	145.2
6.25°	49.4	51.6	56.7	62.8	72.3	83.0	94.1	105.3	118.7	133.1	147.5
5°	49.6	51.7	57.3	63.4	73.4	84.1	95.3	106.6	120.5	135.0	149.5
3.75°	49.7	51.9	57.7	63.9	74.2	85.0	96.3	107.7	121.9	136.4	151.0
2.5°	49.8	52.0	58.0	64.2	74.9	85.7	97.0	108.4	122.9	137.5	152.1
1.25°	49.9	52.1	58.2	64.4	75.2	86.1	97.5	108.9	123.5	138.1	152.7
0°	49.9	52.1	58.3	64.5	75.4	86.2	97.6	109.0	123.7	138.3	153.0
-1.25°	49.9	52.1	58.2	64.4	75.2	86.1	97.5	108.9	123.5	138.1	152.7
-2.5°	49.8	52.0	58.0	64.2	74.9	85.7	97.0	108.4	122.9	137.5	152.1
-3.75°	49.7	51.9	57.7	63.9	74.2	85.0	96.3	107.7	121.9	136.4	151.0
-5°	49.6	51.7	57.3	63.4	73.4	84.1	95.3	106.6	120.5	135.0	149.5
-6.25°	49.4	51.6	56.7	62.8	72.3	83.0	94.1	105.3	118.7	133.1	147.5
-7.5°	49.1	51.3	56.0	62.1	70.9	81.6	92.5	103.7	116.5	130.9	145.2
-8.75°	48.9	51.0	55.2	61.2	69.3	79.9	90.7	101.8	114.0	128.2	142.4
-10°	48.6	50.7	54.2	60.2	67.5	78.0	88.6	99.6	111.1	125.2	139.2
-11.25°	48.2	50.3	53.1	59.1	65.5	75.9	86.3	97.2	108.1	121.7	135.7
-12.5°	47.8	49.9	52.0	57.8	63.8	73.5	83.8	94.5	105.2	118.0	131.7
-13.75°	47.6	49.5	51.6	56.5	62.3	70.9	81.1	91.5	102.1	113.8	127.4
-15°	47.3	49.0	51.1	55.0	60.8	68.1	78.1	88.3	98.8	109.3	122.7
-16.25°	47.1	48.5	50.5	53.4	59.1	65.0	74.9	84.9	95.1	105.4	117.6
-17.5°	46.8	47.9	49.9	51.9	57.3	62.9	71.5	81.3	91.3	101.4	112.2
-18.75°	46.6	47.5	49.3	51.3	55.4	60.9	67.9	77.5	87.1	97.1	107.1
-20°	46.3	47.2	48.6	50.6	53.3	58.8	64.3	73.5	83.0	92.6	102.4
-21.25°	46.0	46.9	47.9	49.9	51.8	56.6	61.9	69.3	78.6	87.9	97.4



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	45.6	46.5	47.5	49.1	51.0	54.3	59.5	64.9	74.0	83.0	92.3
-23.75°	45.3	46.2	47.1	48.3	50.1	52.0	57.0	62.1	69.3	78.1	86.9
-25°	44.9	45.8	46.7	47.6	49.3	51.1	54.3	59.4	64.4	73.0	81.5
-26.25°	44.5	45.4	46.3	47.2	48.4	50.2	51.9	56.5	61.4	67.6	76.0
-27.5°	44.1	45.0	45.9	46.7	47.6	49.2	50.9	53.6	58.4	63.1	70.3
-28.75°	43.7	44.6	45.4	46.3	47.1	48.2	49.9	51.6	55.3	59.9	64.5
-30°	43.2	44.1	45.0	45.8	46.6	47.4	48.8	50.4	52.1	56.6	61.0
-31.25°	42.7	43.6	44.5	45.3	46.1	46.9	47.7	49.3	50.9	53.1	57.5
-32.5°	42.1	43.1	44.0	44.8	45.6	46.4	47.2	48.1	49.7	51.2	53.9
-33.75°	41.5	42.5	43.5	44.3	45.1	45.9	46.6	47.3	48.4	49.9	51.4
-35°	40.9	41.9	42.9	43.7	44.5	45.3	46.0	46.7	47.5	48.6	50.1
-36.25°	40.4	41.3	42.2	43.1	44.0	44.7	45.4	46.1	46.8	47.5	48.7
-37.5°	39.9	40.6	41.5	42.5	43.4	44.1	44.8	45.5	46.2	46.9	47.5
-38.75°	39.3	40.1	40.8	41.7	42.6	43.5	44.2	44.9	45.6	46.2	46.8
-40°	38.8	39.5	40.2	41.0	41.9	42.7	43.5	44.2	44.9	45.5	46.1
-41.25°	38.1	39.0	39.7	40.4	41.1	42.0	42.8	43.5	44.2	44.8	45.4
-42.5°	37.3	38.3	39.1	39.8	40.4	41.2	42.0	42.7	43.5	44.1	44.7
-43.75°	36.4	37.5	38.5	39.1	39.8	40.4	41.1	41.9	42.6	43.4	44.0
-45°	35.6	36.6	37.5	38.5	39.1	39.8	40.4	41.0	41.7	42.5	43.1
-46.25°	34.6	35.7	36.6	37.5	38.5	39.1	39.7	40.2	40.8	41.5	42.2
-47.5°	33.6	34.7	35.7	36.6	37.5	38.3	39.0	39.5	40.1	40.6	41.3
-48.75°	32.6	33.6	34.6	35.6	36.4	37.3	38.1	38.8	39.3	39.9	40.4
-50°	31.6	32.6	33.6	34.5	35.4	36.2	37.0	37.8	38.6	39.1	39.6
-51.25°	30.3	31.5	32.5	33.4	34.3	35.2	36.0	36.7	37.5	38.2	38.8
-52.5°	28.9	30.1	31.3	32.2	33.1	34.0	34.8	35.6	36.3	37.0	37.7
-53.75°	27.5	28.6	29.8	30.9	31.9	32.8	33.6	34.4	35.1	35.8	36.5
-55°	26.2	27.2	28.3	29.4	30.5	31.5	32.3	33.1	33.8	34.6	35.3
-56.25°	25.1	25.9	26.8	27.8	28.9	29.9	30.9	31.8	32.5	33.2	33.9
-57.5°	23.9	24.8	25.6	26.3	27.3	28.2	29.2	30.1	31.1	31.8	32.5
-58.75°	22.8	23.6	24.4	25.1	25.9	26.6	27.5	28.4	29.3	30.1	31.0
-60°	21.5	22.3	23.1	23.9	24.6	25.3	26.0	26.6	27.5	28.3	29.1
-61.25°	20.1	21.0	21.8	22.6	23.3	24.0	24.6	25.3	25.9	26.5	27.2
-62.5°	18.8	19.6	20.4	21.1	21.9	22.6	23.3	23.9	24.5	25.1	25.6
-63.75°	17.9	18.3	18.9	19.7	20.4	21.1	21.8	22.5	23.1	23.6	24.2
-65°	17.3	17.6	18.0	18.3	18.9	19.6	20.2	20.8	21.5	22.1	22.7
-66.25°	16.6	17.0	17.3	17.6	17.9	18.2	18.6	19.2	19.8	20.4	21.0
-67.5°	16.0	16.3	16.6	16.9	17.2	17.5	17.7	18.0	18.3	18.7	19.2
-68.75°	15.3	15.6	15.9	16.2	16.4	16.7	17.0	17.2	17.5	17.7	18.0
-70°	14.6	14.9	15.1	15.4	15.7	16.0	16.2	16.5	16.7	16.9	17.1
-71.25°	13.9	14.1	14.4	14.7	14.9	15.2	15.4	15.6	15.9	16.1	16.3
-72.5°	13.2	13.4	13.7	13.9	14.1	14.4	14.6	14.8	15.0	15.2	15.5
-73.75°	12.5	12.7	12.9	13.1	13.4	13.6	13.8	14.0	14.2	14.4	14.6
-75°	11.7	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.3	13.5	13.7
-76.25°	10.8	11.1	11.3	11.5	11.8	12.0	12.2	12.3	12.5	12.7	12.8
-77.5°	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	11.9



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	9.1	9.3	9.5	9.7	9.8	10.0	10.2	10.4	10.6	10.7	10.9
-80°	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.8
-81.25°	7.0	7.2	7.3	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.6
-82.5°	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.1	7.2	7.3
-83.75°	4.8	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0
-85°	3.7	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.7
-86.25°	2.7	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.4
-87.5°	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2
-88.75°	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.5
86.25°	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0
85°	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.4	5.5
83.75°	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	7.0
82.5°	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5
81.25°	8.8	8.9	9.0	9.2	9.3	9.4	9.5	9.6	9.7	9.7	9.8
80°	9.9	10.1	10.2	10.3	10.4	10.6	10.7	10.8	10.9	11.0	11.1
78.75°	11.0	11.2	11.3	11.5	11.6	11.7	11.9	12.0	12.1	12.2	12.2
77.5°	12.1	12.2	12.4	12.5	12.6	12.7	12.8	13.0	13.1	13.2	13.3
76.25°	13.0	13.1	13.3	13.4	13.6	13.7	13.8	13.9	14.0	14.2	14.3
75°	13.9	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.0	15.2	15.3
73.75°	14.8	14.9	15.1	15.3	15.4	15.6	15.7	15.9	16.0	16.2	16.3
72.5°	15.6	15.8	16.0	16.2	16.4	16.5	16.7	16.8	17.0	17.1	17.2
71.25°	16.5	16.7	16.9	17.1	17.3	17.4	17.6	17.8	17.9	18.1	18.2
70°	17.4	17.6	17.8	18.0	18.2	18.4	18.7	19.0	19.4	19.7	20.0
68.75°	18.2	18.5	18.9	19.4	19.8	20.2	20.6	21.0	21.4	21.7	22.0
67.5°	19.8	20.3	20.7	21.2	21.7	22.1	22.5	22.9	23.2	23.6	23.9
66.25°	21.5	22.0	22.5	23.0	23.4	23.8	24.2	24.6	24.9	25.3	25.6
65°	23.2	23.7	24.1	24.6	25.0	25.5	25.9	26.3	26.6	27.1	27.5
63.75°	24.7	25.2	25.7	26.2	26.6	27.2	27.8	28.3	28.8	29.3	29.8
62.5°	26.2	26.8	27.4	28.1	28.7	29.3	29.9	30.5	31.0	31.5	31.9
61.25°	28.0	28.7	29.4	30.1	30.7	31.4	31.9	32.3	32.7	33.2	33.5
60°	29.9	30.6	31.4	32.0	32.5	33.0	33.5	33.9	34.4	34.8	35.2
58.75°	31.7	32.3	32.9	33.5	34.0	34.5	35.0	35.5	35.9	36.3	36.7
57.5°	33.1	33.8	34.4	35.0	35.5	36.0	36.5	36.9	37.4	37.8	38.2
56.25°	34.6	35.2	35.8	36.3	36.9	37.4	37.9	38.3	38.7	39.0	39.3
55°	35.9	36.5	37.1	37.7	38.2	38.7	39.0	39.3	39.7	40.0	40.3
53.75°	37.1	37.8	38.4	38.8	39.2	39.6	39.9	40.3	40.6	41.0	41.4
52.5°	38.4	38.9	39.3	39.7	40.1	40.5	40.9	41.3	41.8	42.2	42.6
51.25°	39.2	39.7	40.1	40.6	41.1	41.5	42.0	42.5	42.9	43.4	43.7
50°	40.1	40.5	41.1	41.6	42.1	42.6	43.1	43.6	44.0	44.3	44.7
48.75°	40.9	41.5	42.1	42.7	43.2	43.7	44.1	44.5	44.9	45.3	45.6
47.5°	41.9	42.5	43.1	43.6	44.1	44.6	45.0	45.4	45.8	46.2	46.5
46.25°	42.9	43.5	44.0	44.5	45.0	45.4	45.9	46.3	46.7	47.1	47.5
45°	43.7	44.3	44.8	45.3	45.8	46.3	46.7	47.2	47.6	48.3	49.1
43.75°	44.5	45.1	45.6	46.1	46.6	47.1	47.6	48.4	49.3	50.1	51.0
42.5°	45.3	45.9	46.4	46.9	47.4	48.2	49.2	50.2	51.1	52.0	54.3
41.25°	46.0	46.6	47.2	47.7	48.8	49.9	50.9	51.9	54.3	57.0	59.5
40°	46.7	47.3	48.1	49.3	50.4	51.6	53.6	56.5	59.4	62.1	64.9
38.75°	47.5	48.4	49.7	50.9	52.1	55.3	58.4	61.4	64.4	69.3	74.0
37.5°	48.6	49.9	51.2	53.1	56.6	59.9	63.1	67.6	73.0	78.1	83.0
36.25°	50.1	51.4	53.9	57.5	61.0	64.5	70.3	76.0	81.5	86.9	92.3
35°	51.5	54.2	58.0	61.8	66.1	72.3	78.4	84.3	90.2	96.0	101.5



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	54.2	58.2	62.2	67.1	73.7	80.1	86.4	92.8	99.0	105.0	111.2
32.5°	58.0	62.2	67.5	74.4	81.2	87.9	94.6	101.2	107.6	115.2	122.9
31.25°	61.8	67.1	74.4	81.5	88.6	95.8	102.8	109.7	118.2	126.5	134.4
30°	66.1	73.7	81.2	88.6	96.1	103.5	111.2	120.3	129.0	137.6	145.8
28.75°	72.3	80.1	87.9	95.8	103.5	111.7	121.3	130.6	139.7	148.5	157.0
27.5°	78.4	86.4	94.6	102.8	111.2	121.3	131.1	140.7	150.1	159.2	168.1
26.25°	84.3	92.8	101.2	109.7	120.3	130.6	140.7	150.6	160.3	170.4	182.7
25°	90.2	99.0	107.6	118.2	129.0	139.7	150.1	160.3	171.1	184.2	197.0
23.75°	96.0	105.0	115.2	126.5	137.6	148.5	159.2	170.4	184.2	197.7	211.5
22.5°	101.5	111.2	122.9	134.4	145.8	157.0	168.1	182.7	197.0	211.5	227.2
21.25°	106.9	118.4	130.3	142.1	153.7	165.2	179.6	194.6	209.6	226.2	242.4
20°	112.9	125.2	137.4	149.5	161.4	175.1	190.7	206.1	223.4	240.5	257.9
18.75°	119.2	131.7	144.2	156.5	169.0	185.3	201.3	218.6	236.6	254.4	274.7
17.5°	125.1	137.9	150.6	163.2	178.4	195.0	212.1	230.8	249.2	269.6	300.0
16.25°	130.7	143.7	156.7	170.1	187.3	204.3	223.2	242.4	262.6	290.4	336.5
15°	136.0	149.2	162.4	178.2	195.6	213.9	233.7	253.4	277.0	315.9	379.6
13.75°	140.9	154.3	167.7	185.6	203.4	223.3	243.5	265.3	296.8	351.8	429.0
12.5°	145.4	159.0	174.3	192.5	211.2	232.0	252.6	277.8	321.0	391.5	479.4
11.25°	149.5	163.3	180.4	198.9	218.9	240.0	262.3	294.0	350.5	432.3	527.7
10°	153.2	167.2	185.9	204.6	225.8	247.3	271.1	309.6	380.9	472.8	574.4
8.75°	156.6	171.8	190.8	210.2	232.0	253.9	282.1	332.6	412.7	510.5	616.6
7.5°	159.5	175.9	195.1	215.3	237.4	260.5	293.1	352.7	440.6	544.5	652.3
6.25°	161.9	179.4	198.7	219.7	242.0	266.1	302.5	371.2	467.3	574.8	682.7
5°	164.0	182.2	201.7	223.4	245.9	270.7	312.4	390.0	489.6	599.8	708.0
3.75°	165.6	184.5	204.1	226.2	248.8	274.7	323.0	404.7	507.1	619.5	726.3
2.5°	166.7	186.1	205.7	228.3	251.0	278.9	330.6	415.3	519.7	633.1	739.4
1.25°	167.4	187.0	206.8	229.5	252.3	281.4	335.2	421.6	527.3	641.2	747.3
0°	167.6	187.4	207.1	229.9	252.7	282.2	336.8	423.8	529.8	644.0	750.0
-1.25°	167.4	187.0	206.8	229.5	252.3	281.4	335.2	421.6	527.3	641.2	747.3
-2.5°	166.7	186.1	205.7	228.3	251.0	278.9	330.6	415.3	519.7	633.1	739.4
-3.75°	165.6	184.5	204.1	226.2	248.8	274.7	323.0	404.7	507.1	619.5	726.3
-5°	164.0	182.2	201.7	223.4	245.9	270.7	312.4	390.0	489.6	599.8	708.0
-6.25°	161.9	179.4	198.7	219.7	242.0	266.1	302.5	371.2	467.3	574.8	682.7
-7.5°	159.5	175.9	195.1	215.3	237.4	260.5	293.1	352.7	440.6	544.5	652.3
-8.75°	156.6	171.8	190.8	210.2	232.0	253.9	282.1	332.6	412.7	510.5	616.6
-10°	153.2	167.2	185.9	204.6	225.8	247.3	271.1	309.6	380.9	472.8	574.4
-11.25°	149.5	163.3	180.4	198.9	218.9	240.0	262.3	294.0	350.5	432.3	527.7
-12.5°	145.4	159.0	174.3	192.5	211.2	232.0	252.6	277.8	321.0	391.5	479.4
-13.75°	140.9	154.3	167.7	185.6	203.4	223.3	243.5	265.3	296.8	351.8	429.0
-15°	136.0	149.2	162.4	178.2	195.6	213.9	233.7	253.4	277.0	315.9	379.6
-16.25°	130.7	143.7	156.7	170.1	187.3	204.3	223.2	242.4	262.6	290.4	336.5
-17.5°	125.1	137.9	150.6	163.2	178.4	195.0	212.1	230.8	249.2	269.6	300.0
-18.75°	119.2	131.7	144.2	156.5	169.0	185.3	201.3	218.6	236.6	254.4	274.7
-20°	112.9	125.2	137.4	149.5	161.4	175.1	190.7	206.1	223.4	240.5	257.9
-21.25°	106.9	118.4	130.3	142.1	153.7	165.2	179.6	194.6	209.6	226.2	242.4



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	101.5	111.2	122.9	134.4	145.8	157.0	168.1	182.7	197.0	211.5	227.2
-23.75°	96.0	105.0	115.2	126.5	137.6	148.5	159.2	170.4	184.2	197.7	211.5
-25°	90.2	99.0	107.6	118.2	129.0	139.7	150.1	160.3	171.1	184.2	197.0
-26.25°	84.3	92.8	101.2	109.7	120.3	130.6	140.7	150.6	160.3	170.4	182.7
-27.5°	78.4	86.4	94.6	102.8	111.2	121.3	131.1	140.7	150.1	159.2	168.1
-28.75°	72.3	80.1	87.9	95.8	103.5	111.7	121.3	130.6	139.7	148.5	157.0
-30°	66.1	73.7	81.2	88.6	96.1	103.5	111.2	120.3	129.0	137.6	145.8
-31.25°	61.8	67.1	74.4	81.5	88.6	95.8	102.8	109.7	118.2	126.5	134.4
-32.5°	58.0	62.2	67.5	74.4	81.2	87.9	94.6	101.2	107.6	115.2	122.9
-33.75°	54.2	58.2	62.2	67.1	73.7	80.1	86.4	92.8	99.0	105.0	111.2
-35°	51.5	54.2	58.0	61.8	66.1	72.3	78.4	84.3	90.2	96.0	101.5
-36.25°	50.1	51.4	53.9	57.5	61.0	64.5	70.3	76.0	81.5	86.9	92.3
-37.5°	48.6	49.9	51.2	53.1	56.6	59.9	63.1	67.6	73.0	78.1	83.0
-38.75°	47.5	48.4	49.7	50.9	52.1	55.3	58.4	61.4	64.4	69.3	74.0
-40°	46.7	47.3	48.1	49.3	50.4	51.6	53.6	56.5	59.4	62.1	64.9
-41.25°	46.0	46.6	47.2	47.7	48.8	49.9	50.9	51.9	54.3	57.0	59.5
-42.5°	45.3	45.9	46.4	46.9	47.4	48.2	49.2	50.2	51.1	52.0	54.3
-43.75°	44.5	45.1	45.6	46.1	46.6	47.1	47.6	48.4	49.3	50.1	51.0
-45°	43.7	44.3	44.8	45.3	45.8	46.3	46.7	47.2	47.6	48.3	49.1
-46.25°	42.9	43.5	44.0	44.5	45.0	45.4	45.9	46.3	46.7	47.1	47.5
-47.5°	41.9	42.5	43.1	43.6	44.1	44.6	45.0	45.4	45.8	46.2	46.5
-48.75°	40.9	41.5	42.1	42.7	43.2	43.7	44.1	44.5	44.9	45.3	45.6
-50°	40.1	40.5	41.1	41.6	42.1	42.6	43.1	43.6	44.0	44.3	44.7
-51.25°	39.2	39.7	40.1	40.6	41.1	41.5	42.0	42.5	42.9	43.4	43.7
-52.5°	38.4	38.9	39.3	39.7	40.1	40.5	40.9	41.3	41.8	42.2	42.6
-53.75°	37.1	37.8	38.4	38.8	39.2	39.6	39.9	40.3	40.6	41.0	41.4
-55°	35.9	36.5	37.1	37.7	38.2	38.7	39.0	39.3	39.7	40.0	40.3
-56.25°	34.6	35.2	35.8	36.3	36.9	37.4	37.9	38.3	38.7	39.0	39.3
-57.5°	33.1	33.8	34.4	35.0	35.5	36.0	36.5	36.9	37.4	37.8	38.2
-58.75°	31.7	32.3	32.9	33.5	34.0	34.5	35.0	35.5	35.9	36.3	36.7
-60°	29.9	30.6	31.4	32.0	32.5	33.0	33.5	33.9	34.4	34.8	35.2
-61.25°	28.0	28.7	29.4	30.1	30.7	31.4	31.9	32.3	32.7	33.2	33.5
-62.5°	26.2	26.8	27.4	28.1	28.7	29.3	29.9	30.5	31.0	31.5	31.9
-63.75°	24.7	25.2	25.7	26.2	26.6	27.2	27.8	28.3	28.8	29.3	29.8
-65°	23.2	23.7	24.1	24.6	25.0	25.5	25.9	26.3	26.6	27.1	27.5
-66.25°	21.5	22.0	22.5	23.0	23.4	23.8	24.2	24.6	24.9	25.3	25.6
-67.5°	19.8	20.3	20.7	21.2	21.7	22.1	22.5	22.9	23.2	23.6	23.9
-68.75°	18.2	18.5	18.9	19.4	19.8	20.2	20.6	21.0	21.4	21.7	22.0
-70°	17.4	17.6	17.8	18.0	18.2	18.4	18.7	19.0	19.4	19.7	20.0
-71.25°	16.5	16.7	16.9	17.1	17.3	17.4	17.6	17.8	17.9	18.1	18.2
-72.5°	15.6	15.8	16.0	16.2	16.4	16.5	16.7	16.8	17.0	17.1	17.2
-73.75°	14.8	14.9	15.1	15.3	15.4	15.6	15.7	15.9	16.0	16.2	16.3
-75°	13.9	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.0	15.2	15.3
-76.25°	13.0	13.1	13.3	13.4	13.6	13.7	13.8	13.9	14.0	14.2	14.3
-77.5°	12.1	12.2	12.4	12.5	12.6	12.7	12.8	13.0	13.1	13.2	13.3



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	11.0	11.2	11.3	11.5	11.6	11.7	11.9	12.0	12.1	12.2	12.2
-80°	9.9	10.1	10.2	10.3	10.4	10.6	10.7	10.8	10.9	11.0	11.1
-81.25°	8.8	8.9	9.0	9.2	9.3	9.4	9.5	9.6	9.7	9.7	9.8
-82.5°	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5
-83.75°	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	7.0
-85°	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.4	5.5
-86.25°	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0
-87.5°	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.5
-88.75°	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7
86.25°	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3
85°	5.6	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9
83.75°	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5
82.5°	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1
81.25°	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3	10.4	10.4	10.4
80°	11.2	11.2	11.3	11.4	11.5	11.5	11.6	11.6	11.7	11.7	11.8
78.75°	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.8	12.8	12.8	12.9
77.5°	13.3	13.4	13.5	13.6	13.7	13.7	13.8	13.8	13.9	13.9	14.0
76.25°	14.4	14.5	14.5	14.6	14.7	14.8	14.8	14.9	15.0	15.0	15.1
75°	15.4	15.5	15.6	15.7	15.8	15.8	15.9	16.0	16.0	16.1	16.1
73.75°	16.4	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.1	17.1	17.2
72.5°	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.0	18.1	18.2	18.2
71.25°	18.3	18.5	18.8	19.0	19.2	19.4	19.6	19.8	19.9	20.1	20.2
70°	20.3	20.6	20.9	21.1	21.3	21.6	21.8	21.9	22.1	22.2	22.4
68.75°	22.3	22.6	22.9	23.1	23.4	23.5	23.7	23.9	24.1	24.2	24.3
67.5°	24.2	24.4	24.7	24.9	25.2	25.4	25.6	25.7	25.9	26.1	26.2
66.25°	25.9	26.2	26.5	26.8	27.1	27.4	27.6	27.9	28.1	28.3	28.5
65°	28.0	28.4	28.7	29.1	29.4	29.7	30.0	30.3	30.5	30.7	30.9
63.75°	30.2	30.6	31.0	31.4	31.7	31.9	32.2	32.4	32.5	32.7	32.9
62.5°	32.2	32.6	32.9	33.2	33.4	33.7	33.9	34.2	34.4	34.5	34.7
61.25°	33.9	34.3	34.6	34.9	35.2	35.4	35.7	35.9	36.1	36.2	36.4
60°	35.6	35.9	36.2	36.5	36.8	37.0	37.3	37.5	37.7	37.8	38.0
58.75°	37.1	37.4	37.7	38.0	38.3	38.6	38.7	38.9	39.0	39.1	39.2
57.5°	38.5	38.8	39.0	39.2	39.4	39.6	39.8	39.9	40.1	40.2	40.3
56.25°	39.5	39.8	40.0	40.3	40.5	40.7	40.9	41.1	41.3	41.4	41.6
55°	40.5	40.8	41.1	41.4	41.7	41.9	42.2	42.4	42.6	42.7	42.9
53.75°	41.7	42.1	42.4	42.7	43.0	43.2	43.4	43.6	43.8	43.9	44.1
52.5°	42.9	43.3	43.6	43.8	44.1	44.3	44.5	44.7	44.9	45.0	45.2
51.25°	44.0	44.3	44.6	44.9	45.1	45.3	45.6	45.7	45.9	46.1	46.2
50°	45.0	45.3	45.6	45.9	46.1	46.3	46.6	46.8	46.9	47.1	47.2
48.75°	46.0	46.3	46.6	46.8	47.1	47.3	47.6	47.8	48.2	48.6	48.9
47.5°	46.9	47.2	47.5	47.9	48.5	49.0	49.5	49.9	50.3	50.7	51.0
46.25°	47.9	48.6	49.3	49.9	50.5	51.1	51.6	52.0	53.1	54.2	55.2
45°	49.9	50.6	51.3	51.9	53.4	55.0	56.5	57.8	59.1	60.2	61.2
43.75°	51.8	53.3	55.4	57.3	59.1	60.8	62.3	63.8	65.5	67.5	69.3
42.5°	56.6	58.8	60.9	62.9	65.0	68.1	70.9	73.5	75.9	78.0	79.9
41.25°	61.9	64.3	67.9	71.5	74.9	78.1	81.1	83.8	86.3	88.6	90.7
40°	69.3	73.5	77.5	81.3	84.9	88.3	91.5	94.5	97.2	99.6	101.8
38.75°	78.6	83.0	87.1	91.3	95.1	98.8	102.1	105.2	108.1	111.1	114.0
37.5°	87.9	92.6	97.1	101.4	105.4	109.3	113.8	118.0	121.7	125.2	128.2
36.25°	97.4	102.4	107.1	112.2	117.6	122.7	127.4	131.7	135.7	139.2	142.4
35°	106.9	112.9	119.2	125.1	130.7	136.0	140.9	145.4	149.5	153.2	156.6



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

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	118.4	125.2	131.7	137.9	143.7	149.2	154.3	159.0	163.3	167.2	171.8
32.5°	130.3	137.4	144.2	150.6	156.7	162.4	167.7	174.3	180.4	185.9	190.8
31.25°	142.1	149.5	156.5	163.2	170.1	178.2	185.6	192.5	198.9	204.6	210.2
30°	153.7	161.4	169.0	178.4	187.3	195.6	203.4	211.2	218.9	225.8	232.0
28.75°	165.2	175.1	185.3	195.0	204.3	213.9	223.3	232.0	240.0	247.3	253.9
27.5°	179.6	190.7	201.3	212.1	223.2	233.7	243.5	252.6	262.3	271.1	282.1
26.25°	194.6	206.1	218.6	230.8	242.4	253.4	265.3	277.8	294.0	309.6	332.6
25°	209.6	223.4	236.6	249.2	262.6	277.0	296.8	321.0	350.5	380.9	412.7
23.75°	226.2	240.5	254.4	269.6	290.4	315.9	351.8	391.5	432.3	472.8	510.5
22.5°	242.4	257.9	274.7	300.0	336.5	379.6	429.0	479.4	527.7	574.4	616.6
21.25°	259.0	278.5	305.9	350.3	402.9	459.6	518.0	575.3	628.9	675.9	717.5
20°	278.5	308.0	357.3	417.1	481.4	546.9	611.9	670.4	723.2	768.5	805.2
18.75°	305.9	357.3	421.8	492.4	565.0	635.9	700.7	757.2	805.0	842.2	867.3
17.5°	350.3	417.1	492.4	571.0	647.8	718.2	780.3	828.1	864.0	888.9	909.0
16.25°	402.9	481.4	565.0	647.8	723.9	791.6	842.1	876.3	903.0	925.9	947.7
15°	459.6	546.9	635.9	718.2	791.6	846.8	882.5	911.4	937.9	963.3	986.5
13.75°	518.0	611.9	700.7	780.3	842.1	882.5	914.2	944.1	972.9	999.8	1024.6
12.5°	575.3	670.4	757.2	828.1	876.3	911.4	944.1	976.1	1006.5	1035.0	1060.3
11.25°	628.9	723.2	805.0	864.0	903.0	937.9	972.9	1006.5	1038.4	1067.4	1098.7
10°	675.9	768.5	842.2	888.9	925.9	963.3	999.8	1035.0	1067.4	1103.1	1138.3
8.75°	717.5	805.2	867.3	909.0	947.7	986.5	1024.6	1060.3	1098.7	1138.3	1176.6
7.5°	751.8	833.4	886.3	926.4	967.2	1007.4	1046.3	1085.7	1128.5	1171.2	1210.7
6.25°	781.3	855.8	901.3	942.3	984.2	1025.6	1065.0	1109.3	1155.4	1200.2	1239.6
5°	802.3	868.7	913.1	955.6	998.4	1040.7	1083.0	1130.4	1178.8	1223.8	1263.3
3.75°	817.4	878.8	922.5	966.1	1009.8	1052.3	1097.7	1147.4	1197.2	1241.9	1280.4
2.5°	828.2	886.1	929.4	973.7	1018.0	1060.8	1108.5	1159.9	1210.1	1254.9	1293.0
1.25°	834.7	890.5	933.7	978.4	1023.0	1066.0	1115.4	1167.7	1218.0	1263.0	1300.3
0°	836.9	892.0	935.2	979.9	1024.7	1067.7	1117.8	1170.3	1220.7	1265.7	1302.7
-1.25°	834.7	890.5	933.7	978.4	1023.0	1066.0	1115.4	1167.7	1218.0	1263.0	1300.3
-2.5°	828.2	886.1	929.4	973.7	1018.0	1060.8	1108.5	1159.9	1210.1	1254.9	1293.0
-3.75°	817.4	878.8	922.5	966.1	1009.8	1052.3	1097.7	1147.4	1197.2	1241.9	1280.4
-5°	802.3	868.7	913.1	955.6	998.4	1040.7	1083.0	1130.4	1178.8	1223.8	1263.3
-6.25°	781.3	855.8	901.3	942.3	984.2	1025.6	1065.0	1109.3	1155.4	1200.2	1239.6
-7.5°	751.8	833.4	886.3	926.4	967.2	1007.4	1046.3	1085.7	1128.5	1171.2	1210.7
-8.75°	717.5	805.2	867.3	909.0	947.7	986.5	1024.6	1060.3	1098.7	1138.3	1176.6
-10°	675.9	768.5	842.2	888.9	925.9	963.3	999.8	1035.0	1067.4	1103.1	1138.3
-11.25°	628.9	723.2	805.0	864.0	903.0	937.9	972.9	1006.5	1038.4	1067.4	1098.7
-12.5°	575.3	670.4	757.2	828.1	876.3	911.4	944.1	976.1	1006.5	1035.0	1060.3
-13.75°	518.0	611.9	700.7	780.3	842.1	882.5	914.2	944.1	972.9	999.8	1024.6
-15°	459.6	546.9	635.9	718.2	791.6	846.8	882.5	911.4	937.9	963.3	986.5
-16.25°	402.9	481.4	565.0	647.8	723.9	791.6	842.1	876.3	903.0	925.9	947.7
-17.5°	350.3	417.1	492.4	571.0	647.8	718.2	780.3	828.1	864.0	888.9	909.0
-18.75°	305.9	357.3	421.8	492.4	565.0	635.9	700.7	757.2	805.0	842.2	867.3
-20°	278.5	308.0	357.3	417.1	481.4	546.9	611.9	670.4	723.2	768.5	805.2
-21.25°	259.0	278.5	305.9	350.3	402.9	459.6	518.0	575.3	628.9	675.9	717.5



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	242.4	257.9	274.7	300.0	336.5	379.6	429.0	479.4	527.7	574.4	616.6
-23.75°	226.2	240.5	254.4	269.6	290.4	315.9	351.8	391.5	432.3	472.8	510.5
-25°	209.6	223.4	236.6	249.2	262.6	277.0	296.8	321.0	350.5	380.9	412.7
-26.25°	194.6	206.1	218.6	230.8	242.4	253.4	265.3	277.8	294.0	309.6	332.6
-27.5°	179.6	190.7	201.3	212.1	223.2	233.7	243.5	252.6	262.3	271.1	282.1
-28.75°	165.2	175.1	185.3	195.0	204.3	213.9	223.3	232.0	240.0	247.3	253.9
-30°	153.7	161.4	169.0	178.4	187.3	195.6	203.4	211.2	218.9	225.8	232.0
-31.25°	142.1	149.5	156.5	163.2	170.1	178.2	185.6	192.5	198.9	204.6	210.2
-32.5°	130.3	137.4	144.2	150.6	156.7	162.4	167.7	174.3	180.4	185.9	190.8
-33.75°	118.4	125.2	131.7	137.9	143.7	149.2	154.3	159.0	163.3	167.2	171.8
-35°	106.9	112.9	119.2	125.1	130.7	136.0	140.9	145.4	149.5	153.2	156.6
-36.25°	97.4	102.4	107.1	112.2	117.6	122.7	127.4	131.7	135.7	139.2	142.4
-37.5°	87.9	92.6	97.1	101.4	105.4	109.3	113.8	118.0	121.7	125.2	128.2
-38.75°	78.6	83.0	87.1	91.3	95.1	98.8	102.1	105.2	108.1	111.1	114.0
-40°	69.3	73.5	77.5	81.3	84.9	88.3	91.5	94.5	97.2	99.6	101.8
-41.25°	61.9	64.3	67.9	71.5	74.9	78.1	81.1	83.8	86.3	88.6	90.7
-42.5°	56.6	58.8	60.9	62.9	65.0	68.1	70.9	73.5	75.9	78.0	79.9
-43.75°	51.8	53.3	55.4	57.3	59.1	60.8	62.3	63.8	65.5	67.5	69.3
-45°	49.9	50.6	51.3	51.9	53.4	55.0	56.5	57.8	59.1	60.2	61.2
-46.25°	47.9	48.6	49.3	49.9	50.5	51.1	51.6	52.0	53.1	54.2	55.2
-47.5°	46.9	47.2	47.5	47.9	48.5	49.0	49.5	49.9	50.3	50.7	51.0
-48.75°	46.0	46.3	46.6	46.8	47.1	47.3	47.6	47.8	48.2	48.6	48.9
-50°	45.0	45.3	45.6	45.9	46.1	46.3	46.6	46.8	46.9	47.1	47.2
-51.25°	44.0	44.3	44.6	44.9	45.1	45.3	45.6	45.7	45.9	46.1	46.2
-52.5°	42.9	43.3	43.6	43.8	44.1	44.3	44.5	44.7	44.9	45.0	45.2
-53.75°	41.7	42.1	42.4	42.7	43.0	43.2	43.4	43.6	43.8	43.9	44.1
-55°	40.5	40.8	41.1	41.4	41.7	41.9	42.2	42.4	42.6	42.7	42.9
-56.25°	39.5	39.8	40.0	40.3	40.5	40.7	40.9	41.1	41.3	41.4	41.6
-57.5°	38.5	38.8	39.0	39.2	39.4	39.6	39.8	39.9	40.1	40.2	40.3
-58.75°	37.1	37.4	37.7	38.0	38.3	38.6	38.7	38.9	39.0	39.1	39.2
-60°	35.6	35.9	36.2	36.5	36.8	37.0	37.3	37.5	37.7	37.8	38.0
-61.25°	33.9	34.3	34.6	34.9	35.2	35.4	35.7	35.9	36.1	36.2	36.4
-62.5°	32.2	32.6	32.9	33.2	33.4	33.7	33.9	34.2	34.4	34.5	34.7
-63.75°	30.2	30.6	31.0	31.4	31.7	31.9	32.2	32.4	32.5	32.7	32.9
-65°	28.0	28.4	28.7	29.1	29.4	29.7	30.0	30.3	30.5	30.7	30.9
-66.25°	25.9	26.2	26.5	26.8	27.1	27.4	27.6	27.9	28.1	28.3	28.5
-67.5°	24.2	24.4	24.7	24.9	25.2	25.4	25.6	25.7	25.9	26.1	26.2
-68.75°	22.3	22.6	22.9	23.1	23.4	23.5	23.7	23.9	24.1	24.2	24.3
-70°	20.3	20.6	20.9	21.1	21.3	21.6	21.8	21.9	22.1	22.2	22.4
-71.25°	18.3	18.5	18.8	19.0	19.2	19.4	19.6	19.8	19.9	20.1	20.2
-72.5°	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.0	18.1	18.2	18.2
-73.75°	16.4	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.1	17.1	17.2
-75°	15.4	15.5	15.6	15.7	15.8	15.8	15.9	16.0	16.0	16.1	16.1
-76.25°	14.4	14.5	14.5	14.6	14.7	14.8	14.8	14.9	15.0	15.0	15.1
-77.5°	13.3	13.4	13.5	13.6	13.7	13.7	13.8	13.8	13.9	13.9	14.0



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.8	12.8	12.8	12.9
-80°	11.2	11.2	11.3	11.4	11.5	11.5	11.6	11.6	11.7	11.7	11.8
-81.25°	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3	10.4	10.4	10.4
-82.5°	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1
-83.75°	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5
-85°	5.6	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9
-86.25°	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3
-87.5°	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7
-88.75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
86.25°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
85°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
83.75°	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
82.5°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
81.25°	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.5	10.5	10.5	10.5
80°	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
78.75°	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
77.5°	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
76.25°	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75°	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.2
73.75°	17.2	17.3	17.3	17.3	17.3	17.3	17.4	17.3	17.3	17.3	17.3
72.5°	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3
71.25°	20.3	20.4	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.5	20.5
70°	22.5	22.6	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.7	22.7
68.75°	24.4	24.5	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.6
67.5°	26.3	26.4	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.5	26.5
66.25°	28.6	28.8	28.9	28.9	29.0	29.0	29.1	29.0	29.0	28.9	28.9
65°	31.1	31.2	31.3	31.4	31.5	31.5	31.5	31.5	31.5	31.4	31.3
63.75°	33.0	33.1	33.2	33.3	33.3	33.3	33.4	33.3	33.3	33.3	33.2
62.5°	34.8	34.9	35.0	35.1	35.2	35.2	35.2	35.2	35.2	35.1	35.0
61.25°	36.5	36.6	36.7	36.8	36.8	36.8	36.9	36.8	36.8	36.8	36.7
60°	38.1	38.2	38.3	38.4	38.5	38.5	38.5	38.5	38.5	38.4	38.3
58.75°	39.3	39.4	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.5	39.5
57.5°	40.4	40.5	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.6	40.6
56.25°	41.7	41.8	41.9	42.0	42.0	42.0	42.1	42.0	42.0	42.0	41.9
55°	43.0	43.1	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.3	43.2
53.75°	44.2	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.4	44.4
52.5°	45.3	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.5	45.5
51.25°	46.3	46.4	46.5	46.6	46.6	46.6	46.7	46.6	46.6	46.6	46.5
50°	47.4	47.5	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.6	47.5
48.75°	49.1	49.4	49.6	49.7	49.8	49.9	49.9	49.9	49.8	49.7	49.6
47.5°	51.3	51.6	51.7	51.9	52.0	52.1	52.1	52.1	52.0	51.9	51.7
46.25°	56.0	56.7	57.3	57.7	58.0	58.2	58.3	58.2	58.0	57.7	57.3
45°	62.1	62.8	63.4	63.9	64.2	64.4	64.5	64.4	64.2	63.9	63.4
43.75°	70.9	72.3	73.4	74.2	74.9	75.2	75.4	75.2	74.9	74.2	73.4
42.5°	81.6	83.0	84.1	85.0	85.7	86.1	86.2	86.1	85.7	85.0	84.1
41.25°	92.5	94.1	95.3	96.3	97.0	97.5	97.6	97.5	97.0	96.3	95.3
40°	103.7	105.3	106.6	107.7	108.4	108.9	109.0	108.9	108.4	107.7	106.6
38.75°	116.5	118.7	120.5	121.9	122.9	123.5	123.7	123.5	122.9	121.9	120.5
37.5°	130.9	133.1	135.0	136.4	137.5	138.1	138.3	138.1	137.5	136.4	135.0
36.25°	145.2	147.5	149.5	151.0	152.1	152.7	153.0	152.7	152.1	151.0	149.5
35°	159.5	161.9	164.0	165.6	166.7	167.4	167.6	167.4	166.7	165.6	164.0



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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°	175.9	179.4	182.2	184.5	186.1	187.0	187.4	187.0	186.1	184.5	182.2
32.5°	195.1	198.7	201.7	204.1	205.7	206.8	207.1	206.8	205.7	204.1	201.7
31.25°	215.3	219.7	223.4	226.2	228.3	229.5	229.9	229.5	228.3	226.2	223.4
30°	237.4	242.0	245.9	248.8	251.0	252.3	252.7	252.3	251.0	248.8	245.9
28.75°	260.5	266.1	270.7	274.7	278.9	281.4	282.2	281.4	278.9	274.7	270.7
27.5°	293.1	302.5	312.4	323.0	330.6	335.2	336.8	335.2	330.6	323.0	312.4
26.25°	352.7	371.2	390.0	404.7	415.3	421.6	423.8	421.6	415.3	404.7	390.0
25°	440.6	467.3	489.6	507.1	519.7	527.3	529.8	527.3	519.7	507.1	489.6
23.75°	544.5	574.8	599.8	619.5	633.1	641.2	644.0	641.2	633.1	619.5	599.8
22.5°	652.3	682.7	708.0	726.3	739.4	747.3	750.0	747.3	739.4	726.3	708.0
21.25°	751.8	781.3	802.3	817.4	828.2	834.7	836.9	834.7	828.2	817.4	802.3
20°	833.4	855.8	868.7	878.8	886.1	890.5	892.0	890.5	886.1	878.8	868.7
18.75°	886.3	901.3	913.1	922.5	929.4	933.7	935.2	933.7	929.4	922.5	913.1
17.5°	926.4	942.3	955.6	966.1	973.7	978.4	979.9	978.4	973.7	966.1	955.6
16.25°	967.2	984.2	998.4	1009.8	1018.0	1023.0	1024.7	1023.0	1018.0	1009.8	998.4
15°	1007.4	1025.6	1040.7	1052.3	1060.8	1066.0	1067.7	1066.0	1060.8	1052.3	1040.7
13.75°	1046.3	1065.0	1083.0	1097.7	1108.5	1115.4	1117.8	1115.4	1108.5	1097.7	1083.0
12.5°	1085.7	1109.3	1130.4	1147.4	1159.9	1167.7	1170.3	1167.7	1159.9	1147.4	1130.4
11.25°	1128.5	1155.4	1178.8	1197.2	1210.1	1218.0	1220.7	1218.0	1210.1	1197.2	1178.8
10°	1171.2	1200.2	1223.8	1241.9	1254.9	1263.0	1265.7	1263.0	1254.9	1241.9	1223.8
8.75°	1210.7	1239.6	1263.3	1280.4	1293.0	1300.3	1302.7	1300.3	1293.0	1280.4	1263.3
7.5°	1244.8	1273.2	1295.8	1312.5	1324.6	1330.8	1332.9	1330.8	1324.6	1312.5	1295.8
6.25°	1273.2	1300.5	1322.6	1337.3	1347.0	1352.0	1353.8	1352.0	1347.0	1337.3	1322.6
5°	1295.8	1322.6	1341.8	1353.8	1360.2	1363.3	1364.4	1363.3	1360.2	1353.8	1341.8
3.75°	1312.5	1337.3	1353.8	1362.3	1366.0	1367.6	1367.6	1367.6	1366.0	1362.3	1353.8
2.5°	1324.6	1347.0	1360.2	1366.0	1367.6	1367.2	1366.6	1367.2	1367.6	1366.0	1360.2
1.25°	1330.8	1352.0	1363.3	1367.6	1367.2	1365.7	1366.3	1365.7	1367.2	1367.6	1363.3
0°	1332.9	1353.8	1364.4	1367.6	1366.6	1366.3	1370.3	1366.3	1366.6	1367.6	1364.4
-1.25°	1330.8	1352.0	1363.3	1367.6	1367.2	1365.7	1366.3	1365.7	1367.2	1367.6	1363.3
-2.5°	1324.6	1347.0	1360.2	1366.0	1367.6	1367.2	1366.6	1367.2	1367.6	1366.0	1360.2
-3.75°	1312.5	1337.3	1353.8	1362.3	1366.0	1367.6	1367.6	1367.6	1366.0	1362.3	1353.8
-5°	1295.8	1322.6	1341.8	1353.8	1360.2	1363.3	1364.4	1363.3	1360.2	1353.8	1341.8
-6.25°	1273.2	1300.5	1322.6	1337.3	1347.0	1352.0	1353.8	1352.0	1347.0	1337.3	1322.6
-7.5°	1244.8	1273.2	1295.8	1312.5	1324.6	1330.8	1332.9	1330.8	1324.6	1312.5	1295.8
-8.75°	1210.7	1239.6	1263.3	1280.4	1293.0	1300.3	1302.7	1300.3	1293.0	1280.4	1263.3
-10°	1171.2	1200.2	1223.8	1241.9	1254.9	1263.0	1265.7	1263.0	1254.9	1241.9	1223.8
-11.25°	1128.5	1155.4	1178.8	1197.2	1210.1	1218.0	1220.7	1218.0	1210.1	1197.2	1178.8
-12.5°	1085.7	1109.3	1130.4	1147.4	1159.9	1167.7	1170.3	1167.7	1159.9	1147.4	1130.4
-13.75°	1046.3	1065.0	1083.0	1097.7	1108.5	1115.4	1117.8	1115.4	1108.5	1097.7	1083.0
-15°	1007.4	1025.6	1040.7	1052.3	1060.8	1066.0	1067.7	1066.0	1060.8	1052.3	1040.7
-16.25°	967.2	984.2	998.4	1009.8	1018.0	1023.0	1024.7	1023.0	1018.0	1009.8	998.4
-17.5°	926.4	942.3	955.6	966.1	973.7	978.4	979.9	978.4	973.7	966.1	955.6
-18.75°	886.3	901.3	913.1	922.5	929.4	933.7	935.2	933.7	929.4	922.5	913.1
-20°	833.4	855.8	868.7	878.8	886.1	890.5	892.0	890.5	886.1	878.8	868.7
-21.25°	751.8	781.3	802.3	817.4	828.2	834.7	836.9	834.7	828.2	817.4	802.3



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

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	652.3	682.7	708.0	726.3	739.4	747.3	750.0	747.3	739.4	726.3	708.0
-23.75°	544.5	574.8	599.8	619.5	633.1	641.2	644.0	641.2	633.1	619.5	599.8
-25°	440.6	467.3	489.6	507.1	519.7	527.3	529.8	527.3	519.7	507.1	489.6
-26.25°	352.7	371.2	390.0	404.7	415.3	421.6	423.8	421.6	415.3	404.7	390.0
-27.5°	293.1	302.5	312.4	323.0	330.6	335.2	336.8	335.2	330.6	323.0	312.4
-28.75°	260.5	266.1	270.7	274.7	278.9	281.4	282.2	281.4	278.9	274.7	270.7
-30°	237.4	242.0	245.9	248.8	251.0	252.3	252.7	252.3	251.0	248.8	245.9
-31.25°	215.3	219.7	223.4	226.2	228.3	229.5	229.9	229.5	228.3	226.2	223.4
-32.5°	195.1	198.7	201.7	204.1	205.7	206.8	207.1	206.8	205.7	204.1	201.7
-33.75°	175.9	179.4	182.2	184.5	186.1	187.0	187.4	187.0	186.1	184.5	182.2
-35°	159.5	161.9	164.0	165.6	166.7	167.4	167.6	167.4	166.7	165.6	164.0
-36.25°	145.2	147.5	149.5	151.0	152.1	152.7	153.0	152.7	152.1	151.0	149.5
-37.5°	130.9	133.1	135.0	136.4	137.5	138.1	138.3	138.1	137.5	136.4	135.0
-38.75°	116.5	118.7	120.5	121.9	122.9	123.5	123.7	123.5	122.9	121.9	120.5
-40°	103.7	105.3	106.6	107.7	108.4	108.9	109.0	108.9	108.4	107.7	106.6
-41.25°	92.5	94.1	95.3	96.3	97.0	97.5	97.6	97.5	97.0	96.3	95.3
-42.5°	81.6	83.0	84.1	85.0	85.7	86.1	86.2	86.1	85.7	85.0	84.1
-43.75°	70.9	72.3	73.4	74.2	74.9	75.2	75.4	75.2	74.9	74.2	73.4
-45°	62.1	62.8	63.4	63.9	64.2	64.4	64.5	64.4	64.2	63.9	63.4
-46.25°	56.0	56.7	57.3	57.7	58.0	58.2	58.3	58.2	58.0	57.7	57.3
-47.5°	51.3	51.6	51.7	51.9	52.0	52.1	52.1	52.1	52.0	51.9	51.7
-48.75°	49.1	49.4	49.6	49.7	49.8	49.9	49.9	49.9	49.8	49.7	49.6
-50°	47.4	47.5	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.6	47.5
-51.25°	46.3	46.4	46.5	46.6	46.6	46.6	46.7	46.6	46.6	46.6	46.5
-52.5°	45.3	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.5	45.5
-53.75°	44.2	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.4	44.4
-55°	43.0	43.1	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.3	43.2
-56.25°	41.7	41.8	41.9	42.0	42.0	42.0	42.1	42.0	42.0	42.0	41.9
-57.5°	40.4	40.5	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.6	40.6
-58.75°	39.3	39.4	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.5	39.5
-60°	38.1	38.2	38.3	38.4	38.5	38.5	38.5	38.5	38.5	38.4	38.3
-61.25°	36.5	36.6	36.7	36.8	36.8	36.8	36.9	36.8	36.8	36.8	36.7
-62.5°	34.8	34.9	35.0	35.1	35.2	35.2	35.2	35.2	35.2	35.1	35.0
-63.75°	33.0	33.1	33.2	33.3	33.3	33.3	33.4	33.3	33.3	33.3	33.2
-65°	31.1	31.2	31.3	31.4	31.5	31.5	31.5	31.5	31.5	31.4	31.3
-66.25°	28.6	28.8	28.9	28.9	29.0	29.0	29.1	29.0	29.0	28.9	28.9
-67.5°	26.3	26.4	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.5	26.5
-68.75°	24.4	24.5	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.6
-70°	22.5	22.6	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.7	22.7
-71.25°	20.3	20.4	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.5	20.5
-72.5°	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3
-73.75°	17.2	17.3	17.3	17.3	17.3	17.3	17.4	17.3	17.3	17.3	17.3
-75°	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.2
-76.25°	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
-77.5°	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
-80°	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
-81.25°	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.5	10.5	10.5	10.5
-82.5°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-83.75°	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-85°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-86.25°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
-87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-88.75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
86.25°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.1	4.1
85°	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6
83.75°	7.6	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.2
82.5°	9.1	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7
81.25°	10.5	10.5	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.0
80°	11.8	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.5	11.4	11.3
78.75°	12.9	12.9	12.9	12.8	12.8	12.8	12.7	12.7	12.6	12.5	12.5
77.5°	14.0	14.0	14.0	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.5
76.25°	15.1	15.1	15.1	15.0	15.0	14.9	14.8	14.8	14.7	14.6	14.5
75°	16.2	16.2	16.1	16.1	16.0	16.0	15.9	15.8	15.8	15.7	15.6
73.75°	17.3	17.2	17.2	17.1	17.1	17.0	16.9	16.9	16.8	16.7	16.6
72.5°	18.3	18.3	18.2	18.2	18.1	18.0	18.0	17.9	17.8	17.7	17.6
71.25°	20.4	20.3	20.2	20.1	19.9	19.8	19.6	19.4	19.2	19.0	18.8
70°	22.6	22.5	22.4	22.2	22.1	21.9	21.8	21.6	21.3	21.1	20.9
68.75°	24.5	24.4	24.3	24.2	24.1	23.9	23.7	23.5	23.4	23.1	22.9
67.5°	26.4	26.3	26.2	26.1	25.9	25.7	25.6	25.4	25.2	24.9	24.7
66.25°	28.8	28.6	28.5	28.3	28.1	27.9	27.6	27.4	27.1	26.8	26.5
65°	31.2	31.1	30.9	30.7	30.5	30.3	30.0	29.7	29.4	29.1	28.7
63.75°	33.1	33.0	32.9	32.7	32.5	32.4	32.2	31.9	31.7	31.4	31.0
62.5°	34.9	34.8	34.7	34.5	34.4	34.2	33.9	33.7	33.4	33.2	32.9
61.25°	36.6	36.5	36.4	36.2	36.1	35.9	35.7	35.4	35.2	34.9	34.6
60°	38.2	38.1	38.0	37.8	37.7	37.5	37.3	37.0	36.8	36.5	36.2
58.75°	39.4	39.3	39.2	39.1	39.0	38.9	38.7	38.6	38.3	38.0	37.7
57.5°	40.5	40.4	40.3	40.2	40.1	39.9	39.8	39.6	39.4	39.2	39.0
56.25°	41.8	41.7	41.6	41.4	41.3	41.1	40.9	40.7	40.5	40.3	40.0
55°	43.1	43.0	42.9	42.7	42.6	42.4	42.2	41.9	41.7	41.4	41.1
53.75°	44.3	44.2	44.1	43.9	43.8	43.6	43.4	43.2	43.0	42.7	42.4
52.5°	45.4	45.3	45.2	45.0	44.9	44.7	44.5	44.3	44.1	43.8	43.6
51.25°	46.4	46.3	46.2	46.1	45.9	45.7	45.6	45.3	45.1	44.9	44.6
50°	47.5	47.4	47.2	47.1	46.9	46.8	46.6	46.3	46.1	45.9	45.6
48.75°	49.4	49.1	48.9	48.6	48.2	47.8	47.6	47.3	47.1	46.8	46.6
47.5°	51.6	51.3	51.0	50.7	50.3	49.9	49.5	49.0	48.5	47.9	47.5
46.25°	56.7	56.0	55.2	54.2	53.1	52.0	51.6	51.1	50.5	49.9	49.3
45°	62.8	62.1	61.2	60.2	59.1	57.8	56.5	55.0	53.4	51.9	51.3
43.75°	72.3	70.9	69.3	67.5	65.5	63.8	62.3	60.8	59.1	57.3	55.4
42.5°	83.0	81.6	79.9	78.0	75.9	73.5	70.9	68.1	65.0	62.9	60.9
41.25°	94.1	92.5	90.7	88.6	86.3	83.8	81.1	78.1	74.9	71.5	67.9
40°	105.3	103.7	101.8	99.6	97.2	94.5	91.5	88.3	84.9	81.3	77.5
38.75°	118.7	116.5	114.0	111.1	108.1	105.2	102.1	98.8	95.1	91.3	87.1
37.5°	133.1	130.9	128.2	125.2	121.7	118.0	113.8	109.3	105.4	101.4	97.1
36.25°	147.5	145.2	142.4	139.2	135.7	131.7	127.4	122.7	117.6	112.2	107.1
35°	161.9	159.5	156.6	153.2	149.5	145.4	140.9	136.0	130.7	125.1	119.2



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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°	179.4	175.9	171.8	167.2	163.3	159.0	154.3	149.2	143.7	137.9	131.7
32.5°	198.7	195.1	190.8	185.9	180.4	174.3	167.7	162.4	156.7	150.6	144.2
31.25°	219.7	215.3	210.2	204.6	198.9	192.5	185.6	178.2	170.1	163.2	156.5
30°	242.0	237.4	232.0	225.8	218.9	211.2	203.4	195.6	187.3	178.4	169.0
28.75°	266.1	260.5	253.9	247.3	240.0	232.0	223.3	213.9	204.3	195.0	185.3
27.5°	302.5	293.1	282.1	271.1	262.3	252.6	243.5	233.7	223.2	212.1	201.3
26.25°	371.2	352.7	332.6	309.6	294.0	277.8	265.3	253.4	242.4	230.8	218.6
25°	467.3	440.6	412.7	380.9	350.5	321.0	296.8	277.0	262.6	249.2	236.6
23.75°	574.8	544.5	510.5	472.8	432.3	391.5	351.8	315.9	290.4	269.6	254.4
22.5°	682.7	652.3	616.6	574.4	527.7	479.4	429.0	379.6	336.5	300.0	274.7
21.25°	781.3	751.8	717.5	675.9	628.9	575.3	518.0	459.6	402.9	350.3	305.9
20°	855.8	833.4	805.2	768.5	723.2	670.4	611.9	546.9	481.4	417.1	357.3
18.75°	901.3	886.3	867.3	842.2	805.0	757.2	700.7	635.9	565.0	492.4	421.8
17.5°	942.3	926.4	909.0	888.9	864.0	828.1	780.3	718.2	647.8	571.0	492.4
16.25°	984.2	967.2	947.7	925.9	903.0	876.3	842.1	791.6	723.9	647.8	565.0
15°	1025.6	1007.4	986.5	963.3	937.9	911.4	882.5	846.8	791.6	718.2	635.9
13.75°	1065.0	1046.3	1024.6	999.8	972.9	944.1	914.2	882.5	842.1	780.3	700.7
12.5°	1109.3	1085.7	1060.3	1035.0	1006.5	976.1	944.1	911.4	876.3	828.1	757.2
11.25°	1155.4	1128.5	1098.7	1067.4	1038.4	1006.5	972.9	937.9	903.0	864.0	805.0
10°	1200.2	1171.2	1138.3	1103.1	1067.4	1035.0	999.8	963.3	925.9	888.9	842.2
8.75°	1239.6	1210.7	1176.6	1138.3	1098.7	1060.3	1024.6	986.5	947.7	909.0	867.3
7.5°	1273.2	1244.8	1210.7	1171.2	1128.5	1085.7	1046.3	1007.4	967.2	926.4	886.3
6.25°	1300.5	1273.2	1239.6	1200.2	1155.4	1109.3	1065.0	1025.6	984.2	942.3	901.3
5°	1322.6	1295.8	1263.3	1223.8	1178.8	1130.4	1083.0	1040.7	998.4	955.6	913.1
3.75°	1337.3	1312.5	1280.4	1241.9	1197.2	1147.4	1097.7	1052.3	1009.8	966.1	922.5
2.5°	1347.0	1324.6	1293.0	1254.9	1210.1	1159.9	1108.5	1060.8	1018.0	973.7	929.4
1.25°	1352.0	1330.8	1300.3	1263.0	1218.0	1167.7	1115.4	1066.0	1023.0	978.4	933.7
0°	1353.8	1332.9	1302.7	1265.7	1220.7	1170.3	1117.8	1067.7	1024.7	979.9	935.2
-1.25°	1352.0	1330.8	1300.3	1263.0	1218.0	1167.7	1115.4	1066.0	1023.0	978.4	933.7
-2.5°	1347.0	1324.6	1293.0	1254.9	1210.1	1159.9	1108.5	1060.8	1018.0	973.7	929.4
-3.75°	1337.3	1312.5	1280.4	1241.9	1197.2	1147.4	1097.7	1052.3	1009.8	966.1	922.5
-5°	1322.6	1295.8	1263.3	1223.8	1178.8	1130.4	1083.0	1040.7	998.4	955.6	913.1
-6.25°	1300.5	1273.2	1239.6	1200.2	1155.4	1109.3	1065.0	1025.6	984.2	942.3	901.3
-7.5°	1273.2	1244.8	1210.7	1171.2	1128.5	1085.7	1046.3	1007.4	967.2	926.4	886.3
-8.75°	1239.6	1210.7	1176.6	1138.3	1098.7	1060.3	1024.6	986.5	947.7	909.0	867.3
-10°	1200.2	1171.2	1138.3	1103.1	1067.4	1035.0	999.8	963.3	925.9	888.9	842.2
-11.25°	1155.4	1128.5	1098.7	1067.4	1038.4	1006.5	972.9	937.9	903.0	864.0	805.0
-12.5°	1109.3	1085.7	1060.3	1035.0	1006.5	976.1	944.1	911.4	876.3	828.1	757.2
-13.75°	1065.0	1046.3	1024.6	999.8	972.9	944.1	914.2	882.5	842.1	780.3	700.7
-15°	1025.6	1007.4	986.5	963.3	937.9	911.4	882.5	846.8	791.6	718.2	635.9
-16.25°	984.2	967.2	947.7	925.9	903.0	876.3	842.1	791.6	723.9	647.8	565.0
-17.5°	942.3	926.4	909.0	888.9	864.0	828.1	780.3	718.2	647.8	571.0	492.4
-18.75°	901.3	886.3	867.3	842.2	805.0	757.2	700.7	635.9	565.0	492.4	421.8
-20°	855.8	833.4	805.2	768.5	723.2	670.4	611.9	546.9	481.4	417.1	357.3
-21.25°	781.3	751.8	717.5	675.9	628.9	575.3	518.0	459.6	402.9	350.3	305.9



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

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	682.7	652.3	616.6	574.4	527.7	479.4	429.0	379.6	336.5	300.0	274.7
-23.75°	574.8	544.5	510.5	472.8	432.3	391.5	351.8	315.9	290.4	269.6	254.4
-25°	467.3	440.6	412.7	380.9	350.5	321.0	296.8	277.0	262.6	249.2	236.6
-26.25°	371.2	352.7	332.6	309.6	294.0	277.8	265.3	253.4	242.4	230.8	218.6
-27.5°	302.5	293.1	282.1	271.1	262.3	252.6	243.5	233.7	223.2	212.1	201.3
-28.75°	266.1	260.5	253.9	247.3	240.0	232.0	223.3	213.9	204.3	195.0	185.3
-30°	242.0	237.4	232.0	225.8	218.9	211.2	203.4	195.6	187.3	178.4	169.0
-31.25°	219.7	215.3	210.2	204.6	198.9	192.5	185.6	178.2	170.1	163.2	156.5
-32.5°	198.7	195.1	190.8	185.9	180.4	174.3	167.7	162.4	156.7	150.6	144.2
-33.75°	179.4	175.9	171.8	167.2	163.3	159.0	154.3	149.2	143.7	137.9	131.7
-35°	161.9	159.5	156.6	153.2	149.5	145.4	140.9	136.0	130.7	125.1	119.2
-36.25°	147.5	145.2	142.4	139.2	135.7	131.7	127.4	122.7	117.6	112.2	107.1
-37.5°	133.1	130.9	128.2	125.2	121.7	118.0	113.8	109.3	105.4	101.4	97.1
-38.75°	118.7	116.5	114.0	111.1	108.1	105.2	102.1	98.8	95.1	91.3	87.1
-40°	105.3	103.7	101.8	99.6	97.2	94.5	91.5	88.3	84.9	81.3	77.5
-41.25°	94.1	92.5	90.7	88.6	86.3	83.8	81.1	78.1	74.9	71.5	67.9
-42.5°	83.0	81.6	79.9	78.0	75.9	73.5	70.9	68.1	65.0	62.9	60.9
-43.75°	72.3	70.9	69.3	67.5	65.5	63.8	62.3	60.8	59.1	57.3	55.4
-45°	62.8	62.1	61.2	60.2	59.1	57.8	56.5	55.0	53.4	51.9	51.3
-46.25°	56.7	56.0	55.2	54.2	53.1	52.0	51.6	51.1	50.5	49.9	49.3
-47.5°	51.6	51.3	51.0	50.7	50.3	49.9	49.5	49.0	48.5	47.9	47.5
-48.75°	49.4	49.1	48.9	48.6	48.2	47.8	47.6	47.3	47.1	46.8	46.6
-50°	47.5	47.4	47.2	47.1	46.9	46.8	46.6	46.3	46.1	45.9	45.6
-51.25°	46.4	46.3	46.2	46.1	45.9	45.7	45.6	45.3	45.1	44.9	44.6
-52.5°	45.4	45.3	45.2	45.0	44.9	44.7	44.5	44.3	44.1	43.8	43.6
-53.75°	44.3	44.2	44.1	43.9	43.8	43.6	43.4	43.2	43.0	42.7	42.4
-55°	43.1	43.0	42.9	42.7	42.6	42.4	42.2	41.9	41.7	41.4	41.1
-56.25°	41.8	41.7	41.6	41.4	41.3	41.1	40.9	40.7	40.5	40.3	40.0
-57.5°	40.5	40.4	40.3	40.2	40.1	39.9	39.8	39.6	39.4	39.2	39.0
-58.75°	39.4	39.3	39.2	39.1	39.0	38.9	38.7	38.6	38.3	38.0	37.7
-60°	38.2	38.1	38.0	37.8	37.7	37.5	37.3	37.0	36.8	36.5	36.2
-61.25°	36.6	36.5	36.4	36.2	36.1	35.9	35.7	35.4	35.2	34.9	34.6
-62.5°	34.9	34.8	34.7	34.5	34.4	34.2	33.9	33.7	33.4	33.2	32.9
-63.75°	33.1	33.0	32.9	32.7	32.5	32.4	32.2	31.9	31.7	31.4	31.0
-65°	31.2	31.1	30.9	30.7	30.5	30.3	30.0	29.7	29.4	29.1	28.7
-66.25°	28.8	28.6	28.5	28.3	28.1	27.9	27.6	27.4	27.1	26.8	26.5
-67.5°	26.4	26.3	26.2	26.1	25.9	25.7	25.6	25.4	25.2	24.9	24.7
-68.75°	24.5	24.4	24.3	24.2	24.1	23.9	23.7	23.5	23.4	23.1	22.9
-70°	22.6	22.5	22.4	22.2	22.1	21.9	21.8	21.6	21.3	21.1	20.9
-71.25°	20.4	20.3	20.2	20.1	19.9	19.8	19.6	19.4	19.2	19.0	18.8
-72.5°	18.3	18.3	18.2	18.2	18.1	18.0	18.0	17.9	17.8	17.7	17.6
-73.75°	17.3	17.2	17.2	17.1	17.1	17.0	16.9	16.9	16.8	16.7	16.6
-75°	16.2	16.2	16.1	16.1	16.0	16.0	15.9	15.8	15.8	15.7	15.6
-76.25°	15.1	15.1	15.1	15.0	15.0	14.9	14.8	14.8	14.7	14.6	14.5
-77.5°	14.0	14.0	14.0	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.5



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	12.9	12.9	12.9	12.8	12.8	12.8	12.7	12.7	12.6	12.5	12.5
-80°	11.8	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.5	11.4	11.3
-81.25°	10.5	10.5	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.0
-82.5°	9.1	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7
-83.75°	7.6	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.2
-85°	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6
-86.25°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.1	4.1
-87.5°	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-88.75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1
87.5°	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3
86.25°	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6
85°	5.6	5.6	5.5	5.4	5.4	5.3	5.3	5.2	5.1	5.0	5.0
83.75°	7.1	7.1	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3
82.5°	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7
81.25°	10.0	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.0
80°	11.2	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2
78.75°	12.4	12.3	12.2	12.2	12.1	12.0	11.9	11.7	11.6	11.5	11.3
77.5°	13.4	13.3	13.3	13.2	13.1	13.0	12.8	12.7	12.6	12.5	12.4
76.25°	14.5	14.4	14.3	14.2	14.0	13.9	13.8	13.7	13.6	13.4	13.3
75°	15.5	15.4	15.3	15.2	15.0	14.9	14.8	14.6	14.5	14.3	14.2
73.75°	16.5	16.4	16.3	16.2	16.0	15.9	15.7	15.6	15.4	15.3	15.1
72.5°	17.5	17.4	17.2	17.1	17.0	16.8	16.7	16.5	16.4	16.2	16.0
71.25°	18.5	18.3	18.2	18.1	17.9	17.8	17.6	17.4	17.3	17.1	16.9
70°	20.6	20.3	20.0	19.7	19.4	19.0	18.7	18.4	18.2	18.0	17.8
68.75°	22.6	22.3	22.0	21.7	21.4	21.0	20.6	20.2	19.8	19.4	18.9
67.5°	24.4	24.2	23.9	23.6	23.2	22.9	22.5	22.1	21.7	21.2	20.7
66.25°	26.2	25.9	25.6	25.3	24.9	24.6	24.2	23.8	23.4	23.0	22.5
65°	28.4	28.0	27.5	27.1	26.6	26.3	25.9	25.5	25.0	24.6	24.1
63.75°	30.6	30.2	29.8	29.3	28.8	28.3	27.8	27.2	26.6	26.2	25.7
62.5°	32.6	32.2	31.9	31.5	31.0	30.5	29.9	29.3	28.7	28.1	27.4
61.25°	34.3	33.9	33.5	33.2	32.7	32.3	31.9	31.4	30.7	30.1	29.4
60°	35.9	35.6	35.2	34.8	34.4	33.9	33.5	33.0	32.5	32.0	31.4
58.75°	37.4	37.1	36.7	36.3	35.9	35.5	35.0	34.5	34.0	33.5	32.9
57.5°	38.8	38.5	38.2	37.8	37.4	36.9	36.5	36.0	35.5	35.0	34.4
56.25°	39.8	39.5	39.3	39.0	38.7	38.3	37.9	37.4	36.9	36.3	35.8
55°	40.8	40.5	40.3	40.0	39.7	39.3	39.0	38.7	38.2	37.7	37.1
53.75°	42.1	41.7	41.4	41.0	40.6	40.3	39.9	39.6	39.2	38.8	38.4
52.5°	43.3	42.9	42.6	42.2	41.8	41.3	40.9	40.5	40.1	39.7	39.3
51.25°	44.3	44.0	43.7	43.4	42.9	42.5	42.0	41.5	41.1	40.6	40.1
50°	45.3	45.0	44.7	44.3	44.0	43.6	43.1	42.6	42.1	41.6	41.1
48.75°	46.3	46.0	45.6	45.3	44.9	44.5	44.1	43.7	43.2	42.7	42.1
47.5°	47.2	46.9	46.5	46.2	45.8	45.4	45.0	44.6	44.1	43.6	43.1
46.25°	48.6	47.9	47.5	47.1	46.7	46.3	45.9	45.4	45.0	44.5	44.0
45°	50.6	49.9	49.1	48.3	47.6	47.2	46.7	46.3	45.8	45.3	44.8
43.75°	53.3	51.8	51.0	50.1	49.3	48.4	47.6	47.1	46.6	46.1	45.6
42.5°	58.8	56.6	54.3	52.0	51.1	50.2	49.2	48.2	47.4	46.9	46.4
41.25°	64.3	61.9	59.5	57.0	54.3	51.9	50.9	49.9	48.8	47.7	47.2
40°	73.5	69.3	64.9	62.1	59.4	56.5	53.6	51.6	50.4	49.3	48.1
38.75°	83.0	78.6	74.0	69.3	64.4	61.4	58.4	55.3	52.1	50.9	49.7
37.5°	92.6	87.9	83.0	78.1	73.0	67.6	63.1	59.9	56.6	53.1	51.2
36.25°	102.4	97.4	92.3	86.9	81.5	76.0	70.3	64.5	61.0	57.5	53.9
35°	112.9	106.9	101.5	96.0	90.2	84.3	78.4	72.3	66.1	61.8	58.0



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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	125.2	118.4	111.2	105.0	99.0	92.8	86.4	80.1	73.7	67.1	62.2
32.5°	137.4	130.3	122.9	115.2	107.6	101.2	94.6	87.9	81.2	74.4	67.5
31.25°	149.5	142.1	134.4	126.5	118.2	109.7	102.8	95.8	88.6	81.5	74.4
30°	161.4	153.7	145.8	137.6	129.0	120.3	111.2	103.5	96.1	88.6	81.2
28.75°	175.1	165.2	157.0	148.5	139.7	130.6	121.3	111.7	103.5	95.8	87.9
27.5°	190.7	179.6	168.1	159.2	150.1	140.7	131.1	121.3	111.2	102.8	94.6
26.25°	206.1	194.6	182.7	170.4	160.3	150.6	140.7	130.6	120.3	109.7	101.2
25°	223.4	209.6	197.0	184.2	171.1	160.3	150.1	139.7	129.0	118.2	107.6
23.75°	240.5	226.2	211.5	197.7	184.2	170.4	159.2	148.5	137.6	126.5	115.2
22.5°	257.9	242.4	227.2	211.5	197.0	182.7	168.1	157.0	145.8	134.4	122.9
21.25°	278.5	259.0	242.4	226.2	209.6	194.6	179.6	165.2	153.7	142.1	130.3
20°	308.0	278.5	257.9	240.5	223.4	206.1	190.7	175.1	161.4	149.5	137.4
18.75°	357.3	305.9	274.7	254.4	236.6	218.6	201.3	185.3	169.0	156.5	144.2
17.5°	417.1	350.3	300.0	269.6	249.2	230.8	212.1	195.0	178.4	163.2	150.6
16.25°	481.4	402.9	336.5	290.4	262.6	242.4	223.2	204.3	187.3	170.1	156.7
15°	546.9	459.6	379.6	315.9	277.0	253.4	233.7	213.9	195.6	178.2	162.4
13.75°	611.9	518.0	429.0	351.8	296.8	265.3	243.5	223.3	203.4	185.6	167.7
12.5°	670.4	575.3	479.4	391.5	321.0	277.8	252.6	232.0	211.2	192.5	174.3
11.25°	723.2	628.9	527.7	432.3	350.5	294.0	262.3	240.0	218.9	198.9	180.4
10°	768.5	675.9	574.4	472.8	380.9	309.6	271.1	247.3	225.8	204.6	185.9
8.75°	805.2	717.5	616.6	510.5	412.7	332.6	282.1	253.9	232.0	210.2	190.8
7.5°	833.4	751.8	652.3	544.5	440.6	352.7	293.1	260.5	237.4	215.3	195.1
6.25°	855.8	781.3	682.7	574.8	467.3	371.2	302.5	266.1	242.0	219.7	198.7
5°	868.7	802.3	708.0	599.8	489.6	390.0	312.4	270.7	245.9	223.4	201.7
3.75°	878.8	817.4	726.3	619.5	507.1	404.7	323.0	274.7	248.8	226.2	204.1
2.5°	886.1	828.2	739.4	633.1	519.7	415.3	330.6	278.9	251.0	228.3	205.7
1.25°	890.5	834.7	747.3	641.2	527.3	421.6	335.2	281.4	252.3	229.5	206.8
0°	892.0	836.9	750.0	644.0	529.8	423.8	336.8	282.2	252.7	229.9	207.1
-1.25°	890.5	834.7	747.3	641.2	527.3	421.6	335.2	281.4	252.3	229.5	206.8
-2.5°	886.1	828.2	739.4	633.1	519.7	415.3	330.6	278.9	251.0	228.3	205.7
-3.75°	878.8	817.4	726.3	619.5	507.1	404.7	323.0	274.7	248.8	226.2	204.1
-5°	868.7	802.3	708.0	599.8	489.6	390.0	312.4	270.7	245.9	223.4	201.7
-6.25°	855.8	781.3	682.7	574.8	467.3	371.2	302.5	266.1	242.0	219.7	198.7
-7.5°	833.4	751.8	652.3	544.5	440.6	352.7	293.1	260.5	237.4	215.3	195.1
-8.75°	805.2	717.5	616.6	510.5	412.7	332.6	282.1	253.9	232.0	210.2	190.8
-10°	768.5	675.9	574.4	472.8	380.9	309.6	271.1	247.3	225.8	204.6	185.9
-11.25°	723.2	628.9	527.7	432.3	350.5	294.0	262.3	240.0	218.9	198.9	180.4
-12.5°	670.4	575.3	479.4	391.5	321.0	277.8	252.6	232.0	211.2	192.5	174.3
-13.75°	611.9	518.0	429.0	351.8	296.8	265.3	243.5	223.3	203.4	185.6	167.7
-15°	546.9	459.6	379.6	315.9	277.0	253.4	233.7	213.9	195.6	178.2	162.4
-16.25°	481.4	402.9	336.5	290.4	262.6	242.4	223.2	204.3	187.3	170.1	156.7
-17.5°	417.1	350.3	300.0	269.6	249.2	230.8	212.1	195.0	178.4	163.2	150.6
-18.75°	357.3	305.9	274.7	254.4	236.6	218.6	201.3	185.3	169.0	156.5	144.2
-20°	308.0	278.5	257.9	240.5	223.4	206.1	190.7	175.1	161.4	149.5	137.4
-21.25°	278.5	259.0	242.4	226.2	209.6	194.6	179.6	165.2	153.7	142.1	130.3



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	257.9	242.4	227.2	211.5	197.0	182.7	168.1	157.0	145.8	134.4	122.9
-23.75°	240.5	226.2	211.5	197.7	184.2	170.4	159.2	148.5	137.6	126.5	115.2
-25°	223.4	209.6	197.0	184.2	171.1	160.3	150.1	139.7	129.0	118.2	107.6
-26.25°	206.1	194.6	182.7	170.4	160.3	150.6	140.7	130.6	120.3	109.7	101.2
-27.5°	190.7	179.6	168.1	159.2	150.1	140.7	131.1	121.3	111.2	102.8	94.6
-28.75°	175.1	165.2	157.0	148.5	139.7	130.6	121.3	111.7	103.5	95.8	87.9
-30°	161.4	153.7	145.8	137.6	129.0	120.3	111.2	103.5	96.1	88.6	81.2
-31.25°	149.5	142.1	134.4	126.5	118.2	109.7	102.8	95.8	88.6	81.5	74.4
-32.5°	137.4	130.3	122.9	115.2	107.6	101.2	94.6	87.9	81.2	74.4	67.5
-33.75°	125.2	118.4	111.2	105.0	99.0	92.8	86.4	80.1	73.7	67.1	62.2
-35°	112.9	106.9	101.5	96.0	90.2	84.3	78.4	72.3	66.1	61.8	58.0
-36.25°	102.4	97.4	92.3	86.9	81.5	76.0	70.3	64.5	61.0	57.5	53.9
-37.5°	92.6	87.9	83.0	78.1	73.0	67.6	63.1	59.9	56.6	53.1	51.2
-38.75°	83.0	78.6	74.0	69.3	64.4	61.4	58.4	55.3	52.1	50.9	49.7
-40°	73.5	69.3	64.9	62.1	59.4	56.5	53.6	51.6	50.4	49.3	48.1
-41.25°	64.3	61.9	59.5	57.0	54.3	51.9	50.9	49.9	48.8	47.7	47.2
-42.5°	58.8	56.6	54.3	52.0	51.1	50.2	49.2	48.2	47.4	46.9	46.4
-43.75°	53.3	51.8	51.0	50.1	49.3	48.4	47.6	47.1	46.6	46.1	45.6
-45°	50.6	49.9	49.1	48.3	47.6	47.2	46.7	46.3	45.8	45.3	44.8
-46.25°	48.6	47.9	47.5	47.1	46.7	46.3	45.9	45.4	45.0	44.5	44.0
-47.5°	47.2	46.9	46.5	46.2	45.8	45.4	45.0	44.6	44.1	43.6	43.1
-48.75°	46.3	46.0	45.6	45.3	44.9	44.5	44.1	43.7	43.2	42.7	42.1
-50°	45.3	45.0	44.7	44.3	44.0	43.6	43.1	42.6	42.1	41.6	41.1
-51.25°	44.3	44.0	43.7	43.4	42.9	42.5	42.0	41.5	41.1	40.6	40.1
-52.5°	43.3	42.9	42.6	42.2	41.8	41.3	40.9	40.5	40.1	39.7	39.3
-53.75°	42.1	41.7	41.4	41.0	40.6	40.3	39.9	39.6	39.2	38.8	38.4
-55°	40.8	40.5	40.3	40.0	39.7	39.3	39.0	38.7	38.2	37.7	37.1
-56.25°	39.8	39.5	39.3	39.0	38.7	38.3	37.9	37.4	36.9	36.3	35.8
-57.5°	38.8	38.5	38.2	37.8	37.4	36.9	36.5	36.0	35.5	35.0	34.4
-58.75°	37.4	37.1	36.7	36.3	35.9	35.5	35.0	34.5	34.0	33.5	32.9
-60°	35.9	35.6	35.2	34.8	34.4	33.9	33.5	33.0	32.5	32.0	31.4
-61.25°	34.3	33.9	33.5	33.2	32.7	32.3	31.9	31.4	30.7	30.1	29.4
-62.5°	32.6	32.2	31.9	31.5	31.0	30.5	29.9	29.3	28.7	28.1	27.4
-63.75°	30.6	30.2	29.8	29.3	28.8	28.3	27.8	27.2	26.6	26.2	25.7
-65°	28.4	28.0	27.5	27.1	26.6	26.3	25.9	25.5	25.0	24.6	24.1
-66.25°	26.2	25.9	25.6	25.3	24.9	24.6	24.2	23.8	23.4	23.0	22.5
-67.5°	24.4	24.2	23.9	23.6	23.2	22.9	22.5	22.1	21.7	21.2	20.7
-68.75°	22.6	22.3	22.0	21.7	21.4	21.0	20.6	20.2	19.8	19.4	18.9
-70°	20.6	20.3	20.0	19.7	19.4	19.0	18.7	18.4	18.2	18.0	17.8
-71.25°	18.5	18.3	18.2	18.1	17.9	17.8	17.6	17.4	17.3	17.1	16.9
-72.5°	17.5	17.4	17.2	17.1	17.0	16.8	16.7	16.5	16.4	16.2	16.0
-73.75°	16.5	16.4	16.3	16.2	16.0	15.9	15.7	15.6	15.4	15.3	15.1
-75°	15.5	15.4	15.3	15.2	15.0	14.9	14.8	14.6	14.5	14.3	14.2
-76.25°	14.5	14.4	14.3	14.2	14.0	13.9	13.8	13.7	13.6	13.4	13.3
-77.5°	13.4	13.3	13.3	13.2	13.1	13.0	12.8	12.7	12.6	12.5	12.4



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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	12.4	12.3	12.2	12.2	12.1	12.0	11.9	11.7	11.6	11.5	11.3
-80°	11.2	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2
-81.25°	10.0	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.0
-82.5°	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7
-83.75°	7.1	7.1	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3
-85°	5.6	5.6	5.5	5.4	5.4	5.3	5.3	5.2	5.1	5.0	5.0
-86.25°	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6
-87.5°	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3
-88.75°	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9
87.5°	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
86.25°	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.0	3.0	2.9	2.8
85°	4.9	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0
83.75°	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.1
82.5°	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.2
81.25°	8.9	8.8	8.6	8.5	8.3	8.2	8.0	7.8	7.7	7.5	7.3
80°	10.1	9.9	9.8	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4
78.75°	11.2	11.0	10.9	10.7	10.6	10.4	10.2	10.0	9.8	9.7	9.5
77.5°	12.2	12.1	11.9	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4
76.25°	13.1	13.0	12.8	12.7	12.5	12.3	12.2	12.0	11.8	11.5	11.3
75°	14.0	13.9	13.7	13.5	13.3	13.2	13.0	12.8	12.6	12.4	12.2
73.75°	14.9	14.8	14.6	14.4	14.2	14.0	13.8	13.6	13.4	13.1	12.9
72.5°	15.8	15.6	15.5	15.2	15.0	14.8	14.6	14.4	14.1	13.9	13.7
71.25°	16.7	16.5	16.3	16.1	15.9	15.6	15.4	15.2	14.9	14.7	14.4
70°	17.6	17.4	17.1	16.9	16.7	16.5	16.2	16.0	15.7	15.4	15.1
68.75°	18.5	18.2	18.0	17.7	17.5	17.2	17.0	16.7	16.4	16.2	15.9
67.5°	20.3	19.8	19.2	18.7	18.3	18.0	17.7	17.5	17.2	16.9	16.6
66.25°	22.0	21.5	21.0	20.4	19.8	19.2	18.6	18.2	17.9	17.6	17.3
65°	23.7	23.2	22.7	22.1	21.5	20.8	20.2	19.6	18.9	18.3	18.0
63.75°	25.2	24.7	24.2	23.6	23.1	22.5	21.8	21.1	20.4	19.7	18.9
62.5°	26.8	26.2	25.6	25.1	24.5	23.9	23.3	22.6	21.9	21.1	20.4
61.25°	28.7	28.0	27.2	26.5	25.9	25.3	24.6	24.0	23.3	22.6	21.8
60°	30.6	29.9	29.1	28.3	27.5	26.6	26.0	25.3	24.6	23.9	23.1
58.75°	32.3	31.7	31.0	30.1	29.3	28.4	27.5	26.6	25.9	25.1	24.4
57.5°	33.8	33.1	32.5	31.8	31.1	30.1	29.2	28.2	27.3	26.3	25.6
56.25°	35.2	34.6	33.9	33.2	32.5	31.8	30.9	29.9	28.9	27.8	26.8
55°	36.5	35.9	35.3	34.6	33.8	33.1	32.3	31.5	30.5	29.4	28.3
53.75°	37.8	37.1	36.5	35.8	35.1	34.4	33.6	32.8	31.9	30.9	29.8
52.5°	38.9	38.4	37.7	37.0	36.3	35.6	34.8	34.0	33.1	32.2	31.3
51.25°	39.7	39.2	38.8	38.2	37.5	36.7	36.0	35.2	34.3	33.4	32.5
50°	40.5	40.1	39.6	39.1	38.6	37.8	37.0	36.2	35.4	34.5	33.6
48.75°	41.5	40.9	40.4	39.9	39.3	38.8	38.1	37.3	36.4	35.6	34.6
47.5°	42.5	41.9	41.3	40.6	40.1	39.5	39.0	38.3	37.5	36.6	35.7
46.25°	43.5	42.9	42.2	41.5	40.8	40.2	39.7	39.1	38.5	37.5	36.6
45°	44.3	43.7	43.1	42.5	41.7	41.0	40.4	39.8	39.1	38.5	37.5
43.75°	45.1	44.5	44.0	43.4	42.6	41.9	41.1	40.4	39.8	39.1	38.5
42.5°	45.9	45.3	44.7	44.1	43.5	42.7	42.0	41.2	40.4	39.8	39.1
41.25°	46.6	46.0	45.4	44.8	44.2	43.5	42.8	42.0	41.1	40.4	39.7
40°	47.3	46.7	46.1	45.5	44.9	44.2	43.5	42.7	41.9	41.0	40.2
38.75°	48.4	47.5	46.8	46.2	45.6	44.9	44.2	43.5	42.6	41.7	40.8
37.5°	49.9	48.6	47.5	46.9	46.2	45.5	44.8	44.1	43.4	42.5	41.5
36.25°	51.4	50.1	48.7	47.5	46.8	46.1	45.4	44.7	44.0	43.1	42.2
35°	54.2	51.5	50.1	48.6	47.5	46.7	46.0	45.3	44.5	43.7	42.9



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	58.2	54.2	51.4	49.9	48.4	47.3	46.6	45.9	45.1	44.3	43.5
32.5°	62.2	58.0	53.9	51.2	49.7	48.1	47.2	46.4	45.6	44.8	44.0
31.25°	67.1	61.8	57.5	53.1	50.9	49.3	47.7	46.9	46.1	45.3	44.5
30°	73.7	66.1	61.0	56.6	52.1	50.4	48.8	47.4	46.6	45.8	45.0
28.75°	80.1	72.3	64.5	59.9	55.3	51.6	49.9	48.2	47.1	46.3	45.4
27.5°	86.4	78.4	70.3	63.1	58.4	53.6	50.9	49.2	47.6	46.7	45.9
26.25°	92.8	84.3	76.0	67.6	61.4	56.5	51.9	50.2	48.4	47.2	46.3
25°	99.0	90.2	81.5	73.0	64.4	59.4	54.3	51.1	49.3	47.6	46.7
23.75°	105.0	96.0	86.9	78.1	69.3	62.1	57.0	52.0	50.1	48.3	47.1
22.5°	111.2	101.5	92.3	83.0	74.0	64.9	59.5	54.3	51.0	49.1	47.5
21.25°	118.4	106.9	97.4	87.9	78.6	69.3	61.9	56.6	51.8	49.9	47.9
20°	125.2	112.9	102.4	92.6	83.0	73.5	64.3	58.8	53.3	50.6	48.6
18.75°	131.7	119.2	107.1	97.1	87.1	77.5	67.9	60.9	55.4	51.3	49.3
17.5°	137.9	125.1	112.2	101.4	91.3	81.3	71.5	62.9	57.3	51.9	49.9
16.25°	143.7	130.7	117.6	105.4	95.1	84.9	74.9	65.0	59.1	53.4	50.5
15°	149.2	136.0	122.7	109.3	98.8	88.3	78.1	68.1	60.8	55.0	51.1
13.75°	154.3	140.9	127.4	113.8	102.1	91.5	81.1	70.9	62.3	56.5	51.6
12.5°	159.0	145.4	131.7	118.0	105.2	94.5	83.8	73.5	63.8	57.8	52.0
11.25°	163.3	149.5	135.7	121.7	108.1	97.2	86.3	75.9	65.5	59.1	53.1
10°	167.2	153.2	139.2	125.2	111.1	99.6	88.6	78.0	67.5	60.2	54.2
8.75°	171.8	156.6	142.4	128.2	114.0	101.8	90.7	79.9	69.3	61.2	55.2
7.5°	175.9	159.5	145.2	130.9	116.5	103.7	92.5	81.6	70.9	62.1	56.0
6.25°	179.4	161.9	147.5	133.1	118.7	105.3	94.1	83.0	72.3	62.8	56.7
5°	182.2	164.0	149.5	135.0	120.5	106.6	95.3	84.1	73.4	63.4	57.3
3.75°	184.5	165.6	151.0	136.4	121.9	107.7	96.3	85.0	74.2	63.9	57.7
2.5°	186.1	166.7	152.1	137.5	122.9	108.4	97.0	85.7	74.9	64.2	58.0
1.25°	187.0	167.4	152.7	138.1	123.5	108.9	97.5	86.1	75.2	64.4	58.2
0°	187.4	167.6	153.0	138.3	123.7	109.0	97.6	86.2	75.4	64.5	58.3
-1.25°	187.0	167.4	152.7	138.1	123.5	108.9	97.5	86.1	75.2	64.4	58.2
-2.5°	186.1	166.7	152.1	137.5	122.9	108.4	97.0	85.7	74.9	64.2	58.0
-3.75°	184.5	165.6	151.0	136.4	121.9	107.7	96.3	85.0	74.2	63.9	57.7
-5°	182.2	164.0	149.5	135.0	120.5	106.6	95.3	84.1	73.4	63.4	57.3
-6.25°	179.4	161.9	147.5	133.1	118.7	105.3	94.1	83.0	72.3	62.8	56.7
-7.5°	175.9	159.5	145.2	130.9	116.5	103.7	92.5	81.6	70.9	62.1	56.0
-8.75°	171.8	156.6	142.4	128.2	114.0	101.8	90.7	79.9	69.3	61.2	55.2
-10°	167.2	153.2	139.2	125.2	111.1	99.6	88.6	78.0	67.5	60.2	54.2
-11.25°	163.3	149.5	135.7	121.7	108.1	97.2	86.3	75.9	65.5	59.1	53.1
-12.5°	159.0	145.4	131.7	118.0	105.2	94.5	83.8	73.5	63.8	57.8	52.0
-13.75°	154.3	140.9	127.4	113.8	102.1	91.5	81.1	70.9	62.3	56.5	51.6
-15°	149.2	136.0	122.7	109.3	98.8	88.3	78.1	68.1	60.8	55.0	51.1
-16.25°	143.7	130.7	117.6	105.4	95.1	84.9	74.9	65.0	59.1	53.4	50.5
-17.5°	137.9	125.1	112.2	101.4	91.3	81.3	71.5	62.9	57.3	51.9	49.9
-18.75°	131.7	119.2	107.1	97.1	87.1	77.5	67.9	60.9	55.4	51.3	49.3
-20°	125.2	112.9	102.4	92.6	83.0	73.5	64.3	58.8	53.3	50.6	48.6
-21.25°	118.4	106.9	97.4	87.9	78.6	69.3	61.9	56.6	51.8	49.9	47.9



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	111.2	101.5	92.3	83.0	74.0	64.9	59.5	54.3	51.0	49.1	47.5
-23.75°	105.0	96.0	86.9	78.1	69.3	62.1	57.0	52.0	50.1	48.3	47.1
-25°	99.0	90.2	81.5	73.0	64.4	59.4	54.3	51.1	49.3	47.6	46.7
-26.25°	92.8	84.3	76.0	67.6	61.4	56.5	51.9	50.2	48.4	47.2	46.3
-27.5°	86.4	78.4	70.3	63.1	58.4	53.6	50.9	49.2	47.6	46.7	45.9
-28.75°	80.1	72.3	64.5	59.9	55.3	51.6	49.9	48.2	47.1	46.3	45.4
-30°	73.7	66.1	61.0	56.6	52.1	50.4	48.8	47.4	46.6	45.8	45.0
-31.25°	67.1	61.8	57.5	53.1	50.9	49.3	47.7	46.9	46.1	45.3	44.5
-32.5°	62.2	58.0	53.9	51.2	49.7	48.1	47.2	46.4	45.6	44.8	44.0
-33.75°	58.2	54.2	51.4	49.9	48.4	47.3	46.6	45.9	45.1	44.3	43.5
-35°	54.2	51.5	50.1	48.6	47.5	46.7	46.0	45.3	44.5	43.7	42.9
-36.25°	51.4	50.1	48.7	47.5	46.8	46.1	45.4	44.7	44.0	43.1	42.2
-37.5°	49.9	48.6	47.5	46.9	46.2	45.5	44.8	44.1	43.4	42.5	41.5
-38.75°	48.4	47.5	46.8	46.2	45.6	44.9	44.2	43.5	42.6	41.7	40.8
-40°	47.3	46.7	46.1	45.5	44.9	44.2	43.5	42.7	41.9	41.0	40.2
-41.25°	46.6	46.0	45.4	44.8	44.2	43.5	42.8	42.0	41.1	40.4	39.7
-42.5°	45.9	45.3	44.7	44.1	43.5	42.7	42.0	41.2	40.4	39.8	39.1
-43.75°	45.1	44.5	44.0	43.4	42.6	41.9	41.1	40.4	39.8	39.1	38.5
-45°	44.3	43.7	43.1	42.5	41.7	41.0	40.4	39.8	39.1	38.5	37.5
-46.25°	43.5	42.9	42.2	41.5	40.8	40.2	39.7	39.1	38.5	37.5	36.6
-47.5°	42.5	41.9	41.3	40.6	40.1	39.5	39.0	38.3	37.5	36.6	35.7
-48.75°	41.5	40.9	40.4	39.9	39.3	38.8	38.1	37.3	36.4	35.6	34.6
-50°	40.5	40.1	39.6	39.1	38.6	37.8	37.0	36.2	35.4	34.5	33.6
-51.25°	39.7	39.2	38.8	38.2	37.5	36.7	36.0	35.2	34.3	33.4	32.5
-52.5°	38.9	38.4	37.7	37.0	36.3	35.6	34.8	34.0	33.1	32.2	31.3
-53.75°	37.8	37.1	36.5	35.8	35.1	34.4	33.6	32.8	31.9	30.9	29.8
-55°	36.5	35.9	35.3	34.6	33.8	33.1	32.3	31.5	30.5	29.4	28.3
-56.25°	35.2	34.6	33.9	33.2	32.5	31.8	30.9	29.9	28.9	27.8	26.8
-57.5°	33.8	33.1	32.5	31.8	31.1	30.1	29.2	28.2	27.3	26.3	25.6
-58.75°	32.3	31.7	31.0	30.1	29.3	28.4	27.5	26.6	25.9	25.1	24.4
-60°	30.6	29.9	29.1	28.3	27.5	26.6	26.0	25.3	24.6	23.9	23.1
-61.25°	28.7	28.0	27.2	26.5	25.9	25.3	24.6	24.0	23.3	22.6	21.8
-62.5°	26.8	26.2	25.6	25.1	24.5	23.9	23.3	22.6	21.9	21.1	20.4
-63.75°	25.2	24.7	24.2	23.6	23.1	22.5	21.8	21.1	20.4	19.7	18.9
-65°	23.7	23.2	22.7	22.1	21.5	20.8	20.2	19.6	18.9	18.3	18.0
-66.25°	22.0	21.5	21.0	20.4	19.8	19.2	18.6	18.2	17.9	17.6	17.3
-67.5°	20.3	19.8	19.2	18.7	18.3	18.0	17.7	17.5	17.2	16.9	16.6
-68.75°	18.5	18.2	18.0	17.7	17.5	17.2	17.0	16.7	16.4	16.2	15.9
-70°	17.6	17.4	17.1	16.9	16.7	16.5	16.2	16.0	15.7	15.4	15.1
-71.25°	16.7	16.5	16.3	16.1	15.9	15.6	15.4	15.2	14.9	14.7	14.4
-72.5°	15.8	15.6	15.5	15.2	15.0	14.8	14.6	14.4	14.1	13.9	13.7
-73.75°	14.9	14.8	14.6	14.4	14.2	14.0	13.8	13.6	13.4	13.1	12.9
-75°	14.0	13.9	13.7	13.5	13.3	13.2	13.0	12.8	12.6	12.4	12.2
-76.25°	13.1	13.0	12.8	12.7	12.5	12.3	12.2	12.0	11.8	11.5	11.3
-77.5°	12.2	12.1	11.9	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	11.2	11.0	10.9	10.7	10.6	10.4	10.2	10.0	9.8	9.7	9.5
-80°	10.1	9.9	9.8	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4
-81.25°	8.9	8.8	8.6	8.5	8.3	8.2	8.0	7.8	7.7	7.5	7.3
-82.5°	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.2
-83.75°	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.1
-85°	4.9	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0
-86.25°	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.0	3.0	2.9	2.8
-87.5°	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
-88.75°	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9
-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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
87.5°	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.3
86.25°	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1	2.0
85°	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.7
83.75°	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.5
82.5°	6.1	5.9	5.8	5.6	5.4	5.2	5.1	4.9	4.7	4.5	4.3
81.25°	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2
80°	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.7	6.5	6.2	6.0
78.75°	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.6	7.3	7.0	6.8
77.5°	10.2	10.0	9.7	9.5	9.3	9.0	8.7	8.4	8.1	7.9	7.6
76.25°	11.1	10.8	10.6	10.3	10.1	9.8	9.6	9.3	9.0	8.7	8.3
75°	12.0	11.7	11.4	11.2	10.9	10.6	10.3	10.0	9.7	9.4	9.1
73.75°	12.7	12.5	12.2	12.0	11.7	11.4	11.1	10.8	10.4	10.1	9.8
72.5°	13.4	13.2	12.9	12.6	12.4	12.1	11.8	11.5	11.1	10.8	10.4
71.25°	14.1	13.9	13.6	13.3	13.0	12.7	12.4	12.2	11.8	11.5	11.1
70°	14.9	14.6	14.3	14.0	13.7	13.4	13.1	12.7	12.4	12.1	11.7
68.75°	15.6	15.3	15.0	14.6	14.3	14.0	13.7	13.3	13.0	12.6	12.3
67.5°	16.3	16.0	15.6	15.3	15.0	14.6	14.3	13.9	13.5	13.2	12.8
66.25°	17.0	16.6	16.3	15.9	15.6	15.2	14.9	14.5	14.1	13.7	13.3
65°	17.6	17.3	16.9	16.6	16.2	15.8	15.4	15.0	14.6	14.2	13.8
63.75°	18.3	17.9	17.6	17.2	16.8	16.4	16.0	15.6	15.2	14.8	14.3
62.5°	19.6	18.8	18.2	17.8	17.4	17.0	16.6	16.2	15.7	15.3	14.8
61.25°	21.0	20.1	19.3	18.4	18.0	17.6	17.2	16.7	16.3	15.8	15.3
60°	22.3	21.5	20.6	19.7	18.8	18.1	17.7	17.2	16.8	16.3	15.8
58.75°	23.6	22.8	21.9	20.9	20.0	19.0	18.2	17.8	17.3	16.8	16.3
57.5°	24.8	23.9	23.1	22.2	21.2	20.2	19.2	18.3	17.8	17.3	16.8
56.25°	25.9	25.1	24.2	23.3	22.4	21.4	20.3	19.2	18.3	17.8	17.2
55°	27.2	26.2	25.3	24.4	23.5	22.5	21.4	20.3	19.2	18.2	17.7
53.75°	28.6	27.5	26.4	25.4	24.5	23.5	22.5	21.4	20.2	19.0	18.1
52.5°	30.1	28.9	27.6	26.4	25.5	24.5	23.5	22.4	21.2	20.0	18.8
51.25°	31.5	30.3	29.0	27.7	26.4	25.4	24.4	23.3	22.2	20.9	19.7
50°	32.6	31.6	30.3	29.0	27.6	26.4	25.3	24.2	23.1	21.9	20.6
48.75°	33.6	32.6	31.6	30.3	28.9	27.5	26.2	25.1	23.9	22.8	21.5
47.5°	34.7	33.6	32.6	31.5	30.1	28.6	27.2	25.9	24.8	23.6	22.3
46.25°	35.7	34.6	33.6	32.5	31.3	29.8	28.3	26.8	25.6	24.4	23.1
45°	36.6	35.6	34.5	33.4	32.2	30.9	29.4	27.8	26.3	25.1	23.9
43.75°	37.5	36.4	35.4	34.3	33.1	31.9	30.5	28.9	27.3	25.9	24.6
42.5°	38.3	37.3	36.2	35.2	34.0	32.8	31.5	29.9	28.2	26.6	25.3
41.25°	39.0	38.1	37.0	36.0	34.8	33.6	32.3	30.9	29.2	27.5	26.0
40°	39.5	38.8	37.8	36.7	35.6	34.4	33.1	31.8	30.1	28.4	26.6
38.75°	40.1	39.3	38.6	37.5	36.3	35.1	33.8	32.5	31.1	29.3	27.5
37.5°	40.6	39.9	39.1	38.2	37.0	35.8	34.6	33.2	31.8	30.1	28.3
36.25°	41.3	40.4	39.6	38.8	37.7	36.5	35.3	33.9	32.5	31.0	29.1
35°	41.9	40.9	40.1	39.2	38.4	37.1	35.9	34.6	33.1	31.7	29.9



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	42.5	41.5	40.5	39.7	38.9	37.8	36.5	35.2	33.8	32.3	30.6
32.5°	43.1	42.1	41.1	40.1	39.3	38.4	37.1	35.8	34.4	32.9	31.4
31.25°	43.6	42.7	41.6	40.6	39.7	38.8	37.7	36.3	35.0	33.5	32.0
30°	44.1	43.2	42.1	41.1	40.1	39.2	38.2	36.9	35.5	34.0	32.5
28.75°	44.6	43.7	42.6	41.5	40.5	39.6	38.7	37.4	36.0	34.5	33.0
27.5°	45.0	44.1	43.1	42.0	40.9	39.9	39.0	37.9	36.5	35.0	33.5
26.25°	45.4	44.5	43.6	42.5	41.3	40.3	39.3	38.3	36.9	35.5	33.9
25°	45.8	44.9	44.0	42.9	41.8	40.6	39.7	38.7	37.4	35.9	34.4
23.75°	46.2	45.3	44.3	43.4	42.2	41.0	40.0	39.0	37.8	36.3	34.8
22.5°	46.5	45.6	44.7	43.7	42.6	41.4	40.3	39.3	38.2	36.7	35.2
21.25°	46.9	46.0	45.0	44.0	42.9	41.7	40.5	39.5	38.5	37.1	35.6
20°	47.2	46.3	45.3	44.3	43.3	42.1	40.8	39.8	38.8	37.4	35.9
18.75°	47.5	46.6	45.6	44.6	43.6	42.4	41.1	40.0	39.0	37.7	36.2
17.5°	47.9	46.8	45.9	44.9	43.8	42.7	41.4	40.3	39.2	38.0	36.5
16.25°	48.5	47.1	46.1	45.1	44.1	43.0	41.7	40.5	39.4	38.3	36.8
15°	49.0	47.3	46.3	45.3	44.3	43.2	41.9	40.7	39.6	38.6	37.0
13.75°	49.5	47.6	46.6	45.6	44.5	43.4	42.2	40.9	39.8	38.7	37.3
12.5°	49.9	47.8	46.8	45.7	44.7	43.6	42.4	41.1	39.9	38.9	37.5
11.25°	50.3	48.2	46.9	45.9	44.9	43.8	42.6	41.3	40.1	39.0	37.7
10°	50.7	48.6	47.1	46.1	45.0	43.9	42.7	41.4	40.2	39.1	37.8
8.75°	51.0	48.9	47.2	46.2	45.2	44.1	42.9	41.6	40.3	39.2	38.0
7.5°	51.3	49.1	47.4	46.3	45.3	44.2	43.0	41.7	40.4	39.3	38.1
6.25°	51.6	49.4	47.5	46.4	45.4	44.3	43.1	41.8	40.5	39.4	38.2
5°	51.7	49.6	47.5	46.5	45.5	44.4	43.2	41.9	40.6	39.5	38.3
3.75°	51.9	49.7	47.6	46.6	45.5	44.4	43.3	42.0	40.6	39.5	38.4
2.5°	52.0	49.8	47.7	46.6	45.6	44.5	43.4	42.0	40.7	39.6	38.5
1.25°	52.1	49.9	47.7	46.6	45.6	44.5	43.4	42.0	40.7	39.6	38.5
0°	52.1	49.9	47.7	46.7	45.6	44.5	43.4	42.1	40.7	39.6	38.5
-1.25°	52.1	49.9	47.7	46.6	45.6	44.5	43.4	42.0	40.7	39.6	38.5
-2.5°	52.0	49.8	47.7	46.6	45.6	44.5	43.4	42.0	40.7	39.6	38.5
-3.75°	51.9	49.7	47.6	46.6	45.5	44.4	43.3	42.0	40.6	39.5	38.4
-5°	51.7	49.6	47.5	46.5	45.5	44.4	43.2	41.9	40.6	39.5	38.3
-6.25°	51.6	49.4	47.5	46.4	45.4	44.3	43.1	41.8	40.5	39.4	38.2
-7.5°	51.3	49.1	47.4	46.3	45.3	44.2	43.0	41.7	40.4	39.3	38.1
-8.75°	51.0	48.9	47.2	46.2	45.2	44.1	42.9	41.6	40.3	39.2	38.0
-10°	50.7	48.6	47.1	46.1	45.0	43.9	42.7	41.4	40.2	39.1	37.8
-11.25°	50.3	48.2	46.9	45.9	44.9	43.8	42.6	41.3	40.1	39.0	37.7
-12.5°	49.9	47.8	46.8	45.7	44.7	43.6	42.4	41.1	39.9	38.9	37.5
-13.75°	49.5	47.6	46.6	45.6	44.5	43.4	42.2	40.9	39.8	38.7	37.3
-15°	49.0	47.3	46.3	45.3	44.3	43.2	41.9	40.7	39.6	38.6	37.0
-16.25°	48.5	47.1	46.1	45.1	44.1	43.0	41.7	40.5	39.4	38.3	36.8
-17.5°	47.9	46.8	45.9	44.9	43.8	42.7	41.4	40.3	39.2	38.0	36.5
-18.75°	47.5	46.6	45.6	44.6	43.6	42.4	41.1	40.0	39.0	37.7	36.2
-20°	47.2	46.3	45.3	44.3	43.3	42.1	40.8	39.8	38.8	37.4	35.9
-21.25°	46.9	46.0	45.0	44.0	42.9	41.7	40.5	39.5	38.5	37.1	35.6



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	46.5	45.6	44.7	43.7	42.6	41.4	40.3	39.3	38.2	36.7	35.2
-23.75°	46.2	45.3	44.3	43.4	42.2	41.0	40.0	39.0	37.8	36.3	34.8
-25°	45.8	44.9	44.0	42.9	41.8	40.6	39.7	38.7	37.4	35.9	34.4
-26.25°	45.4	44.5	43.6	42.5	41.3	40.3	39.3	38.3	36.9	35.5	33.9
-27.5°	45.0	44.1	43.1	42.0	40.9	39.9	39.0	37.9	36.5	35.0	33.5
-28.75°	44.6	43.7	42.6	41.5	40.5	39.6	38.7	37.4	36.0	34.5	33.0
-30°	44.1	43.2	42.1	41.1	40.1	39.2	38.2	36.9	35.5	34.0	32.5
-31.25°	43.6	42.7	41.6	40.6	39.7	38.8	37.7	36.3	35.0	33.5	32.0
-32.5°	43.1	42.1	41.1	40.1	39.3	38.4	37.1	35.8	34.4	32.9	31.4
-33.75°	42.5	41.5	40.5	39.7	38.9	37.8	36.5	35.2	33.8	32.3	30.6
-35°	41.9	40.9	40.1	39.2	38.4	37.1	35.9	34.6	33.1	31.7	29.9
-36.25°	41.3	40.4	39.6	38.8	37.7	36.5	35.3	33.9	32.5	31.0	29.1
-37.5°	40.6	39.9	39.1	38.2	37.0	35.8	34.6	33.2	31.8	30.1	28.3
-38.75°	40.1	39.3	38.6	37.5	36.3	35.1	33.8	32.5	31.1	29.3	27.5
-40°	39.5	38.8	37.8	36.7	35.6	34.4	33.1	31.8	30.1	28.4	26.6
-41.25°	39.0	38.1	37.0	36.0	34.8	33.6	32.3	30.9	29.2	27.5	26.0
-42.5°	38.3	37.3	36.2	35.2	34.0	32.8	31.5	29.9	28.2	26.6	25.3
-43.75°	37.5	36.4	35.4	34.3	33.1	31.9	30.5	28.9	27.3	25.9	24.6
-45°	36.6	35.6	34.5	33.4	32.2	30.9	29.4	27.8	26.3	25.1	23.9
-46.25°	35.7	34.6	33.6	32.5	31.3	29.8	28.3	26.8	25.6	24.4	23.1
-47.5°	34.7	33.6	32.6	31.5	30.1	28.6	27.2	25.9	24.8	23.6	22.3
-48.75°	33.6	32.6	31.6	30.3	28.9	27.5	26.2	25.1	23.9	22.8	21.5
-50°	32.6	31.6	30.3	29.0	27.6	26.4	25.3	24.2	23.1	21.9	20.6
-51.25°	31.5	30.3	29.0	27.7	26.4	25.4	24.4	23.3	22.2	20.9	19.7
-52.5°	30.1	28.9	27.6	26.4	25.5	24.5	23.5	22.4	21.2	20.0	18.8
-53.75°	28.6	27.5	26.4	25.4	24.5	23.5	22.5	21.4	20.2	19.0	18.1
-55°	27.2	26.2	25.3	24.4	23.5	22.5	21.4	20.3	19.2	18.2	17.7
-56.25°	25.9	25.1	24.2	23.3	22.4	21.4	20.3	19.2	18.3	17.8	17.2
-57.5°	24.8	23.9	23.1	22.2	21.2	20.2	19.2	18.3	17.8	17.3	16.8
-58.75°	23.6	22.8	21.9	20.9	20.0	19.0	18.2	17.8	17.3	16.8	16.3
-60°	22.3	21.5	20.6	19.7	18.8	18.1	17.7	17.2	16.8	16.3	15.8
-61.25°	21.0	20.1	19.3	18.4	18.0	17.6	17.2	16.7	16.3	15.8	15.3
-62.5°	19.6	18.8	18.2	17.8	17.4	17.0	16.6	16.2	15.7	15.3	14.8
-63.75°	18.3	17.9	17.6	17.2	16.8	16.4	16.0	15.6	15.2	14.8	14.3
-65°	17.6	17.3	16.9	16.6	16.2	15.8	15.4	15.0	14.6	14.2	13.8
-66.25°	17.0	16.6	16.3	15.9	15.6	15.2	14.9	14.5	14.1	13.7	13.3
-67.5°	16.3	16.0	15.6	15.3	15.0	14.6	14.3	13.9	13.5	13.2	12.8
-68.75°	15.6	15.3	15.0	14.6	14.3	14.0	13.7	13.3	13.0	12.6	12.3
-70°	14.9	14.6	14.3	14.0	13.7	13.4	13.1	12.7	12.4	12.1	11.7
-71.25°	14.1	13.9	13.6	13.3	13.0	12.7	12.4	12.2	11.8	11.5	11.1
-72.5°	13.4	13.2	12.9	12.6	12.4	12.1	11.8	11.5	11.1	10.8	10.4
-73.75°	12.7	12.5	12.2	12.0	11.7	11.4	11.1	10.8	10.4	10.1	9.8
-75°	12.0	11.7	11.4	11.2	10.9	10.6	10.3	10.0	9.7	9.4	9.1
-76.25°	11.1	10.8	10.6	10.3	10.1	9.8	9.6	9.3	9.0	8.7	8.3
-77.5°	10.2	10.0	9.7	9.5	9.3	9.0	8.7	8.4	8.1	7.9	7.6



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.6	7.3	7.0	6.8
-80°	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.7	6.5	6.2	6.0
-81.25°	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2
-82.5°	6.1	5.9	5.8	5.6	5.4	5.2	5.1	4.9	4.7	4.5	4.3
-83.75°	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.5
-85°	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.7
-86.25°	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1	2.0
-87.5°	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.3
-88.75°	0.9	0.9	0.9	0.8	0.8	0.8	0.8	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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4
87.5°	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8
86.25°	1.9	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.1
85°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.7	1.6	1.5
83.75°	3.4	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.2	2.0	1.9
82.5°	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.3
81.25°	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.3	3.1	2.9	2.6
80°	5.7	5.5	5.2	5.0	4.7	4.4	4.2	3.9	3.6	3.4	3.1
78.75°	6.5	6.2	5.9	5.6	5.3	5.1	4.8	4.5	4.1	3.8	3.5
77.5°	7.2	6.9	6.6	6.3	6.0	5.7	5.3	5.0	4.7	4.3	4.0
76.25°	8.0	7.7	7.3	7.0	6.6	6.3	5.9	5.6	5.2	4.8	4.4
75°	8.8	8.4	8.0	7.6	7.3	6.9	6.5	6.1	5.7	5.3	4.9
73.75°	9.5	9.1	8.7	8.3	7.9	7.5	7.1	6.6	6.2	5.8	5.3
72.5°	10.1	9.7	9.4	8.9	8.5	8.1	7.6	7.2	6.7	6.2	5.8
71.25°	10.7	10.3	9.9	9.5	9.1	8.6	8.2	7.7	7.2	6.7	6.2
70°	11.3	10.9	10.5	10.1	9.7	9.2	8.7	8.2	7.7	7.2	6.6
68.75°	11.9	11.5	11.1	10.6	10.2	9.7	9.3	8.7	8.2	7.6	7.1
67.5°	12.4	12.1	11.6	11.2	10.7	10.2	9.7	9.2	8.6	8.1	7.5
66.25°	12.9	12.5	12.1	11.7	11.2	10.7	10.2	9.7	9.1	8.5	7.9
65°	13.4	13.0	12.6	12.2	11.7	11.2	10.6	10.1	9.5	8.9	8.3
63.75°	13.9	13.5	13.0	12.6	12.1	11.6	11.1	10.5	9.9	9.4	8.7
62.5°	14.4	13.9	13.5	13.0	12.5	12.1	11.5	10.9	10.3	9.7	9.1
61.25°	14.9	14.4	13.9	13.4	12.9	12.4	11.9	11.3	10.7	10.1	9.5
60°	15.3	14.8	14.3	13.8	13.3	12.8	12.3	11.7	11.1	10.4	9.8
58.75°	15.8	15.3	14.8	14.2	13.7	13.2	12.6	12.1	11.5	10.8	10.1
57.5°	16.3	15.7	15.2	14.6	14.1	13.5	13.0	12.4	11.8	11.1	10.4
56.25°	16.7	16.2	15.6	15.0	14.5	13.9	13.3	12.7	12.2	11.5	10.8
55°	17.2	16.6	16.0	15.4	14.9	14.3	13.7	13.1	12.4	11.8	11.1
53.75°	17.6	17.0	16.4	15.8	15.2	14.6	14.0	13.4	12.7	12.1	11.4
52.5°	18.0	17.4	16.8	16.2	15.6	15.0	14.3	13.7	13.0	12.4	11.7
51.25°	18.4	17.8	17.2	16.6	15.9	15.3	14.6	14.0	13.3	12.6	12.0
50°	19.3	18.2	17.6	16.9	16.3	15.6	15.0	14.3	13.6	12.9	12.2
48.75°	20.1	18.8	17.9	17.3	16.6	16.0	15.3	14.6	13.9	13.2	12.5
47.5°	21.0	19.6	18.3	17.6	17.0	16.3	15.6	14.9	14.1	13.4	12.7
46.25°	21.8	20.4	18.9	18.0	17.3	16.6	15.9	15.1	14.4	13.7	12.9
45°	22.6	21.1	19.7	18.3	17.6	16.9	16.2	15.4	14.7	13.9	13.1
43.75°	23.3	21.9	20.4	18.9	17.9	17.2	16.4	15.7	14.9	14.1	13.4
42.5°	24.0	22.6	21.1	19.6	18.2	17.5	16.7	16.0	15.2	14.4	13.6
41.25°	24.6	23.3	21.8	20.2	18.6	17.7	17.0	16.2	15.4	14.6	13.8
40°	25.3	23.9	22.5	20.8	19.2	18.0	17.2	16.5	15.6	14.8	14.0
38.75°	25.9	24.5	23.1	21.5	19.8	18.3	17.5	16.7	15.9	15.0	14.2
37.5°	26.5	25.1	23.6	22.1	20.4	18.7	17.7	16.9	16.1	15.2	14.4
36.25°	27.2	25.6	24.2	22.7	21.0	19.2	18.0	17.1	16.3	15.5	14.6
35°	28.0	26.2	24.7	23.2	21.5	19.8	18.2	17.4	16.5	15.6	14.8



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

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	28.7	26.8	25.2	23.7	22.0	20.3	18.5	17.6	16.7	15.8	14.9
32.5°	29.4	27.4	25.7	24.1	22.5	20.7	18.9	17.8	16.9	16.0	15.1
31.25°	30.1	28.1	26.2	24.6	23.0	21.2	19.4	18.0	17.1	16.2	15.3
30°	30.7	28.7	26.6	25.0	23.4	21.7	19.8	18.2	17.3	16.4	15.4
28.75°	31.4	29.3	27.2	25.5	23.8	22.1	20.2	18.4	17.4	16.5	15.6
27.5°	31.9	29.9	27.8	25.9	24.2	22.5	20.6	18.7	17.6	16.7	15.7
26.25°	32.3	30.5	28.3	26.3	24.6	22.9	21.0	19.0	17.8	16.8	15.9
25°	32.7	31.0	28.8	26.6	24.9	23.2	21.4	19.4	17.9	17.0	16.0
23.75°	33.2	31.5	29.3	27.1	25.3	23.6	21.7	19.7	18.1	17.1	16.2
22.5°	33.5	31.9	29.8	27.5	25.6	23.9	22.0	20.0	18.2	17.2	16.3
21.25°	33.9	32.2	30.2	28.0	25.9	24.2	22.3	20.3	18.3	17.4	16.4
20°	34.3	32.6	30.6	28.4	26.2	24.4	22.6	20.6	18.5	17.5	16.5
18.75°	34.6	32.9	31.0	28.7	26.5	24.7	22.9	20.9	18.8	17.6	16.6
17.5°	34.9	33.2	31.4	29.1	26.8	24.9	23.1	21.1	19.0	17.7	16.7
16.25°	35.2	33.4	31.7	29.4	27.1	25.2	23.4	21.3	19.2	17.8	16.8
15°	35.4	33.7	31.9	29.7	27.4	25.4	23.5	21.6	19.4	17.9	16.9
13.75°	35.7	33.9	32.2	30.0	27.6	25.6	23.7	21.8	19.6	18.0	16.9
12.5°	35.9	34.2	32.4	30.3	27.9	25.7	23.9	21.9	19.8	18.0	17.0
11.25°	36.1	34.4	32.5	30.5	28.1	25.9	24.1	22.1	19.9	18.1	17.1
10°	36.2	34.5	32.7	30.7	28.3	26.1	24.2	22.2	20.1	18.2	17.1
8.75°	36.4	34.7	32.9	30.9	28.5	26.2	24.3	22.4	20.2	18.2	17.2
7.5°	36.5	34.8	33.0	31.1	28.6	26.3	24.4	22.5	20.3	18.3	17.2
6.25°	36.6	34.9	33.1	31.2	28.8	26.4	24.5	22.6	20.4	18.3	17.3
5°	36.7	35.0	33.2	31.3	28.9	26.5	24.6	22.7	20.5	18.3	17.3
3.75°	36.8	35.1	33.3	31.4	28.9	26.5	24.6	22.7	20.5	18.4	17.3
2.5°	36.8	35.2	33.3	31.5	29.0	26.6	24.7	22.8	20.6	18.4	17.3
1.25°	36.8	35.2	33.3	31.5	29.0	26.6	24.7	22.8	20.6	18.4	17.3
0°	36.9	35.2	33.4	31.5	29.1	26.6	24.7	22.8	20.6	18.4	17.4
-1.25°	36.8	35.2	33.3	31.5	29.0	26.6	24.7	22.8	20.6	18.4	17.3
-2.5°	36.8	35.2	33.3	31.5	29.0	26.6	24.7	22.8	20.6	18.4	17.3
-3.75°	36.8	35.1	33.3	31.4	28.9	26.5	24.6	22.7	20.5	18.4	17.3
-5°	36.7	35.0	33.2	31.3	28.9	26.5	24.6	22.7	20.5	18.3	17.3
-6.25°	36.6	34.9	33.1	31.2	28.8	26.4	24.5	22.6	20.4	18.3	17.3
-7.5°	36.5	34.8	33.0	31.1	28.6	26.3	24.4	22.5	20.3	18.3	17.2
-8.75°	36.4	34.7	32.9	30.9	28.5	26.2	24.3	22.4	20.2	18.2	17.2
-10°	36.2	34.5	32.7	30.7	28.3	26.1	24.2	22.2	20.1	18.2	17.1
-11.25°	36.1	34.4	32.5	30.5	28.1	25.9	24.1	22.1	19.9	18.1	17.1
-12.5°	35.9	34.2	32.4	30.3	27.9	25.7	23.9	21.9	19.8	18.0	17.0
-13.75°	35.7	33.9	32.2	30.0	27.6	25.6	23.7	21.8	19.6	18.0	16.9
-15°	35.4	33.7	31.9	29.7	27.4	25.4	23.5	21.6	19.4	17.9	16.9
-16.25°	35.2	33.4	31.7	29.4	27.1	25.2	23.4	21.3	19.2	17.8	16.8
-17.5°	34.9	33.2	31.4	29.1	26.8	24.9	23.1	21.1	19.0	17.7	16.7
-18.75°	34.6	32.9	31.0	28.7	26.5	24.7	22.9	20.9	18.8	17.6	16.6
-20°	34.3	32.6	30.6	28.4	26.2	24.4	22.6	20.6	18.5	17.5	16.5
-21.25°	33.9	32.2	30.2	28.0	25.9	24.2	22.3	20.3	18.3	17.4	16.4



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	33.5	31.9	29.8	27.5	25.6	23.9	22.0	20.0	18.2	17.2	16.3
-23.75°	33.2	31.5	29.3	27.1	25.3	23.6	21.7	19.7	18.1	17.1	16.2
-25°	32.7	31.0	28.8	26.6	24.9	23.2	21.4	19.4	17.9	17.0	16.0
-26.25°	32.3	30.5	28.3	26.3	24.6	22.9	21.0	19.0	17.8	16.8	15.9
-27.5°	31.9	29.9	27.8	25.9	24.2	22.5	20.6	18.7	17.6	16.7	15.7
-28.75°	31.4	29.3	27.2	25.5	23.8	22.1	20.2	18.4	17.4	16.5	15.6
-30°	30.7	28.7	26.6	25.0	23.4	21.7	19.8	18.2	17.3	16.4	15.4
-31.25°	30.1	28.1	26.2	24.6	23.0	21.2	19.4	18.0	17.1	16.2	15.3
-32.5°	29.4	27.4	25.7	24.1	22.5	20.7	18.9	17.8	16.9	16.0	15.1
-33.75°	28.7	26.8	25.2	23.7	22.0	20.3	18.5	17.6	16.7	15.8	14.9
-35°	28.0	26.2	24.7	23.2	21.5	19.8	18.2	17.4	16.5	15.6	14.8
-36.25°	27.2	25.6	24.2	22.7	21.0	19.2	18.0	17.1	16.3	15.5	14.6
-37.5°	26.5	25.1	23.6	22.1	20.4	18.7	17.7	16.9	16.1	15.2	14.4
-38.75°	25.9	24.5	23.1	21.5	19.8	18.3	17.5	16.7	15.9	15.0	14.2
-40°	25.3	23.9	22.5	20.8	19.2	18.0	17.2	16.5	15.6	14.8	14.0
-41.25°	24.6	23.3	21.8	20.2	18.6	17.7	17.0	16.2	15.4	14.6	13.8
-42.5°	24.0	22.6	21.1	19.6	18.2	17.5	16.7	16.0	15.2	14.4	13.6
-43.75°	23.3	21.9	20.4	18.9	17.9	17.2	16.4	15.7	14.9	14.1	13.4
-45°	22.6	21.1	19.7	18.3	17.6	16.9	16.2	15.4	14.7	13.9	13.1
-46.25°	21.8	20.4	18.9	18.0	17.3	16.6	15.9	15.1	14.4	13.7	12.9
-47.5°	21.0	19.6	18.3	17.6	17.0	16.3	15.6	14.9	14.1	13.4	12.7
-48.75°	20.1	18.8	17.9	17.3	16.6	16.0	15.3	14.6	13.9	13.2	12.5
-50°	19.3	18.2	17.6	16.9	16.3	15.6	15.0	14.3	13.6	12.9	12.2
-51.25°	18.4	17.8	17.2	16.6	15.9	15.3	14.6	14.0	13.3	12.6	12.0
-52.5°	18.0	17.4	16.8	16.2	15.6	15.0	14.3	13.7	13.0	12.4	11.7
-53.75°	17.6	17.0	16.4	15.8	15.2	14.6	14.0	13.4	12.7	12.1	11.4
-55°	17.2	16.6	16.0	15.4	14.9	14.3	13.7	13.1	12.4	11.8	11.1
-56.25°	16.7	16.2	15.6	15.0	14.5	13.9	13.3	12.7	12.2	11.5	10.8
-57.5°	16.3	15.7	15.2	14.6	14.1	13.5	13.0	12.4	11.8	11.1	10.4
-58.75°	15.8	15.3	14.8	14.2	13.7	13.2	12.6	12.1	11.5	10.8	10.1
-60°	15.3	14.8	14.3	13.8	13.3	12.8	12.3	11.7	11.1	10.4	9.8
-61.25°	14.9	14.4	13.9	13.4	12.9	12.4	11.9	11.3	10.7	10.1	9.5
-62.5°	14.4	13.9	13.5	13.0	12.5	12.1	11.5	10.9	10.3	9.7	9.1
-63.75°	13.9	13.5	13.0	12.6	12.1	11.6	11.1	10.5	9.9	9.4	8.7
-65°	13.4	13.0	12.6	12.2	11.7	11.2	10.6	10.1	9.5	8.9	8.3
-66.25°	12.9	12.5	12.1	11.7	11.2	10.7	10.2	9.7	9.1	8.5	7.9
-67.5°	12.4	12.1	11.6	11.2	10.7	10.2	9.7	9.2	8.6	8.1	7.5
-68.75°	11.9	11.5	11.1	10.6	10.2	9.7	9.3	8.7	8.2	7.6	7.1
-70°	11.3	10.9	10.5	10.1	9.7	9.2	8.7	8.2	7.7	7.2	6.6
-71.25°	10.7	10.3	9.9	9.5	9.1	8.6	8.2	7.7	7.2	6.7	6.2
-72.5°	10.1	9.7	9.4	8.9	8.5	8.1	7.6	7.2	6.7	6.2	5.8
-73.75°	9.5	9.1	8.7	8.3	7.9	7.5	7.1	6.6	6.2	5.8	5.3
-75°	8.8	8.4	8.0	7.6	7.3	6.9	6.5	6.1	5.7	5.3	4.9
-76.25°	8.0	7.7	7.3	7.0	6.6	6.3	5.9	5.6	5.2	4.8	4.4
-77.5°	7.2	6.9	6.6	6.3	6.0	5.7	5.3	5.0	4.7	4.3	4.0



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	6.5	6.2	5.9	5.6	5.3	5.1	4.8	4.5	4.1	3.8	3.5
-80°	5.7	5.5	5.2	5.0	4.7	4.4	4.2	3.9	3.6	3.4	3.1
-81.25°	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.3	3.1	2.9	2.6
-82.5°	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.3
-83.75°	3.4	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.2	2.0	1.9
-85°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.7	1.6	1.5
-86.25°	1.9	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.1
-87.5°	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8
-88.75°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	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: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1
87.5°	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
86.25°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.2
85°	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
83.75°	1.7	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
82.5°	2.1	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
81.25°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
80°	2.8	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
78.75°	3.2	2.9	2.6	2.4	2.1	1.8	1.6	1.3	1.1	0.8	0.5
77.5°	3.6	3.3	2.9	2.6	2.3	2.0	1.7	1.5	1.2	0.9	0.6
76.25°	4.1	3.7	3.3	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.6
75°	4.5	4.1	3.6	3.2	2.8	2.4	2.1	1.7	1.4	1.0	0.7
73.75°	4.9	4.4	4.0	3.5	3.1	2.6	2.3	1.9	1.5	1.1	0.8
72.5°	5.3	4.8	4.3	3.8	3.4	2.9	2.4	2.0	1.6	1.2	0.8
71.25°	5.7	5.2	4.7	4.1	3.6	3.1	2.6	2.2	1.7	1.3	0.9
70°	6.1	5.6	5.0	4.5	3.9	3.3	2.8	2.3	1.8	1.4	0.9
68.75°	6.5	5.9	5.3	4.8	4.2	3.6	3.0	2.4	2.0	1.5	1.0
67.5°	6.9	6.3	5.7	5.1	4.4	3.8	3.2	2.6	2.1	1.5	1.0
66.25°	7.3	6.6	6.0	5.3	4.7	4.0	3.4	2.7	2.2	1.6	1.1
65°	7.6	7.0	6.3	5.6	5.0	4.3	3.6	2.9	2.3	1.7	1.1
63.75°	8.0	7.3	6.6	5.9	5.2	4.5	3.8	3.0	2.4	1.8	1.2
62.5°	8.4	7.7	6.9	6.2	5.5	4.7	4.0	3.2	2.5	1.9	1.2
61.25°	8.8	8.0	7.2	6.5	5.7	4.9	4.2	3.4	2.6	1.9	1.3
60°	9.1	8.3	7.6	6.8	6.0	5.2	4.3	3.5	2.7	2.0	1.3
58.75°	9.4	8.7	7.9	7.0	6.2	5.4	4.5	3.7	2.8	2.1	1.4
57.5°	9.7	9.0	8.1	7.3	6.5	5.6	4.7	3.8	2.9	2.2	1.5
56.25°	10.0	9.3	8.4	7.6	6.7	5.8	4.9	4.0	3.1	2.2	1.5
55°	10.3	9.6	8.7	7.8	6.9	6.0	5.1	4.1	3.2	2.3	1.5
53.75°	10.6	9.8	9.0	8.1	7.1	6.2	5.2	4.3	3.3	2.4	1.6
52.5°	10.9	10.1	9.3	8.3	7.4	6.4	5.4	4.4	3.4	2.5	1.6
51.25°	11.2	10.3	9.5	8.6	7.6	6.6	5.6	4.6	3.5	2.5	1.7
50°	11.4	10.6	9.7	8.8	7.8	6.8	5.8	4.7	3.6	2.6	1.7
48.75°	11.7	10.8	10.0	9.1	8.0	7.0	5.9	4.8	3.7	2.7	1.8
47.5°	12.0	11.1	10.2	9.3	8.2	7.2	6.1	5.0	3.9	2.7	1.8
46.25°	12.2	11.3	10.4	9.5	8.4	7.3	6.2	5.1	4.0	2.8	1.9
45°	12.4	11.5	10.6	9.7	8.6	7.5	6.4	5.2	4.1	2.9	1.9
43.75°	12.6	11.8	10.8	9.8	8.8	7.7	6.5	5.4	4.2	3.0	2.0
42.5°	12.8	12.0	11.0	10.0	9.0	7.8	6.7	5.5	4.3	3.0	2.0
41.25°	13.0	12.2	11.2	10.2	9.2	8.0	6.8	5.6	4.4	3.1	2.0
40°	13.2	12.3	11.4	10.4	9.4	8.2	6.9	5.7	4.5	3.2	2.1
38.75°	13.3	12.5	11.6	10.6	9.5	8.3	7.1	5.8	4.5	3.3	2.1
37.5°	13.5	12.7	11.8	10.7	9.7	8.5	7.2	5.9	4.6	3.3	2.1
36.25°	13.7	12.8	11.9	10.9	9.8	8.6	7.3	6.0	4.7	3.4	2.2
35°	13.9	13.0	12.1	11.0	9.9	8.8	7.5	6.1	4.8	3.5	2.2



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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°
33.75°	14.0	13.1	12.2	11.2	10.1	8.9	7.6	6.2	4.9	3.5	2.2
32.5°	14.2	13.3	12.4	11.3	10.2	9.0	7.7	6.3	5.0	3.6	2.3
31.25°	14.3	13.4	12.5	11.5	10.3	9.2	7.8	6.4	5.0	3.6	2.3
30°	14.5	13.6	12.6	11.6	10.4	9.3	7.9	6.5	5.1	3.7	2.3
28.75°	14.6	13.7	12.7	11.7	10.6	9.4	8.0	6.6	5.2	3.7	2.4
27.5°	14.8	13.8	12.8	11.9	10.7	9.5	8.1	6.7	5.3	3.8	2.4
26.25°	14.9	13.9	13.0	12.0	10.8	9.6	8.2	6.8	5.3	3.8	2.4
25°	15.0	14.0	13.1	12.1	10.9	9.7	8.3	6.8	5.4	3.9	2.4
23.75°	15.2	14.2	13.2	12.2	11.0	9.7	8.4	6.9	5.4	3.9	2.5
22.5°	15.3	14.3	13.3	12.2	11.1	9.8	8.5	7.0	5.5	4.0	2.5
21.25°	15.4	14.4	13.3	12.3	11.2	9.9	8.5	7.1	5.6	4.0	2.5
20°	15.5	14.5	13.4	12.4	11.2	10.0	8.6	7.1	5.6	4.1	2.5
18.75°	15.6	14.5	13.5	12.5	11.3	10.0	8.7	7.2	5.6	4.1	2.6
17.5°	15.7	14.6	13.6	12.5	11.4	10.1	8.8	7.2	5.7	4.1	2.6
16.25°	15.8	14.7	13.7	12.6	11.5	10.2	8.8	7.3	5.7	4.2	2.6
15°	15.8	14.8	13.7	12.7	11.5	10.2	8.9	7.3	5.8	4.2	2.6
13.75°	15.9	14.8	13.8	12.7	11.6	10.3	8.9	7.4	5.8	4.2	2.6
12.5°	16.0	14.9	13.8	12.8	11.6	10.3	9.0	7.4	5.8	4.2	2.6
11.25°	16.0	15.0	13.9	12.8	11.7	10.4	9.0	7.4	5.9	4.3	2.6
10°	16.1	15.0	13.9	12.8	11.7	10.4	9.1	7.5	5.9	4.3	2.7
8.75°	16.1	15.1	14.0	12.9	11.8	10.4	9.1	7.5	5.9	4.3	2.7
7.5°	16.2	15.1	14.0	12.9	11.8	10.5	9.1	7.5	5.9	4.3	2.7
6.25°	16.2	15.1	14.0	12.9	11.8	10.5	9.1	7.6	6.0	4.3	2.7
5°	16.2	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
3.75°	16.3	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
2.5°	16.3	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
1.25°	16.3	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
0°	16.3	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
-1.25°	16.3	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
-2.5°	16.3	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
-3.75°	16.3	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
-5°	16.2	15.2	14.1	13.0	11.9	10.5	9.2	7.6	6.0	4.3	2.7
-6.25°	16.2	15.1	14.0	12.9	11.8	10.5	9.1	7.6	6.0	4.3	2.7
-7.5°	16.2	15.1	14.0	12.9	11.8	10.5	9.1	7.5	5.9	4.3	2.7
-8.75°	16.1	15.1	14.0	12.9	11.8	10.4	9.1	7.5	5.9	4.3	2.7
-10°	16.1	15.0	13.9	12.8	11.7	10.4	9.1	7.5	5.9	4.3	2.7
-11.25°	16.0	15.0	13.9	12.8	11.7	10.4	9.0	7.4	5.9	4.3	2.6
-12.5°	16.0	14.9	13.8	12.8	11.6	10.3	9.0	7.4	5.8	4.2	2.6
-13.75°	15.9	14.8	13.8	12.7	11.6	10.3	8.9	7.4	5.8	4.2	2.6
-15°	15.8	14.8	13.7	12.7	11.5	10.2	8.9	7.3	5.8	4.2	2.6
-16.25°	15.8	14.7	13.7	12.6	11.5	10.2	8.8	7.3	5.7	4.2	2.6
-17.5°	15.7	14.6	13.6	12.5	11.4	10.1	8.8	7.2	5.7	4.1	2.6
-18.75°	15.6	14.5	13.5	12.5	11.3	10.0	8.7	7.2	5.6	4.1	2.6
-20°	15.5	14.5	13.4	12.4	11.2	10.0	8.6	7.1	5.6	4.1	2.5
-21.25°	15.4	14.4	13.3	12.3	11.2	9.9	8.5	7.1	5.6	4.0	2.5



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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°
-22.5°	15.3	14.3	13.3	12.2	11.1	9.8	8.5	7.0	5.5	4.0	2.5
-23.75°	15.2	14.2	13.2	12.2	11.0	9.7	8.4	6.9	5.4	3.9	2.5
-25°	15.0	14.0	13.1	12.1	10.9	9.7	8.3	6.8	5.4	3.9	2.4
-26.25°	14.9	13.9	13.0	12.0	10.8	9.6	8.2	6.8	5.3	3.8	2.4
-27.5°	14.8	13.8	12.8	11.9	10.7	9.5	8.1	6.7	5.3	3.8	2.4
-28.75°	14.6	13.7	12.7	11.7	10.6	9.4	8.0	6.6	5.2	3.7	2.4
-30°	14.5	13.6	12.6	11.6	10.4	9.3	7.9	6.5	5.1	3.7	2.3
-31.25°	14.3	13.4	12.5	11.5	10.3	9.2	7.8	6.4	5.0	3.6	2.3
-32.5°	14.2	13.3	12.4	11.3	10.2	9.0	7.7	6.3	5.0	3.6	2.3
-33.75°	14.0	13.1	12.2	11.2	10.1	8.9	7.6	6.2	4.9	3.5	2.2
-35°	13.9	13.0	12.1	11.0	9.9	8.8	7.5	6.1	4.8	3.5	2.2
-36.25°	13.7	12.8	11.9	10.9	9.8	8.6	7.3	6.0	4.7	3.4	2.2
-37.5°	13.5	12.7	11.8	10.7	9.7	8.5	7.2	5.9	4.6	3.3	2.1
-38.75°	13.3	12.5	11.6	10.6	9.5	8.3	7.1	5.8	4.5	3.3	2.1
-40°	13.2	12.3	11.4	10.4	9.4	8.2	6.9	5.7	4.5	3.2	2.1
-41.25°	13.0	12.2	11.2	10.2	9.2	8.0	6.8	5.6	4.4	3.1	2.0
-42.5°	12.8	12.0	11.0	10.0	9.0	7.8	6.7	5.5	4.3	3.0	2.0
-43.75°	12.6	11.8	10.8	9.8	8.8	7.7	6.5	5.4	4.2	3.0	2.0
-45°	12.4	11.5	10.6	9.7	8.6	7.5	6.4	5.2	4.1	2.9	1.9
-46.25°	12.2	11.3	10.4	9.5	8.4	7.3	6.2	5.1	4.0	2.8	1.9
-47.5°	12.0	11.1	10.2	9.3	8.2	7.2	6.1	5.0	3.9	2.7	1.8
-48.75°	11.7	10.8	10.0	9.1	8.0	7.0	5.9	4.8	3.7	2.7	1.8
-50°	11.4	10.6	9.7	8.8	7.8	6.8	5.8	4.7	3.6	2.6	1.7
-51.25°	11.2	10.3	9.5	8.6	7.6	6.6	5.6	4.6	3.5	2.5	1.7
-52.5°	10.9	10.1	9.3	8.3	7.4	6.4	5.4	4.4	3.4	2.5	1.6
-53.75°	10.6	9.8	9.0	8.1	7.1	6.2	5.2	4.3	3.3	2.4	1.6
-55°	10.3	9.6	8.7	7.8	6.9	6.0	5.1	4.1	3.2	2.3	1.5
-56.25°	10.0	9.3	8.4	7.6	6.7	5.8	4.9	4.0	3.1	2.2	1.5
-57.5°	9.7	9.0	8.1	7.3	6.5	5.6	4.7	3.8	2.9	2.2	1.5
-58.75°	9.4	8.7	7.9	7.0	6.2	5.4	4.5	3.7	2.8	2.1	1.4
-60°	9.1	8.3	7.6	6.8	6.0	5.2	4.3	3.5	2.7	2.0	1.3
-61.25°	8.8	8.0	7.2	6.5	5.7	4.9	4.2	3.4	2.6	1.9	1.3
-62.5°	8.4	7.7	6.9	6.2	5.5	4.7	4.0	3.2	2.5	1.9	1.2
-63.75°	8.0	7.3	6.6	5.9	5.2	4.5	3.8	3.0	2.4	1.8	1.2
-65°	7.6	7.0	6.3	5.6	5.0	4.3	3.6	2.9	2.3	1.7	1.1
-66.25°	7.3	6.6	6.0	5.3	4.7	4.0	3.4	2.7	2.2	1.6	1.1
-67.5°	6.9	6.3	5.7	5.1	4.4	3.8	3.2	2.6	2.1	1.5	1.0
-68.75°	6.5	5.9	5.3	4.8	4.2	3.6	3.0	2.4	2.0	1.5	1.0
-70°	6.1	5.6	5.0	4.5	3.9	3.3	2.8	2.3	1.8	1.4	0.9
-71.25°	5.7	5.2	4.7	4.1	3.6	3.1	2.6	2.2	1.7	1.3	0.9
-72.5°	5.3	4.8	4.3	3.8	3.4	2.9	2.4	2.0	1.6	1.2	0.8
-73.75°	4.9	4.4	4.0	3.5	3.1	2.6	2.3	1.9	1.5	1.1	0.8
-75°	4.5	4.1	3.6	3.2	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-76.25°	4.1	3.7	3.3	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.6
-77.5°	3.6	3.3	2.9	2.6	2.3	2.0	1.7	1.5	1.2	0.9	0.6



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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°	3.2	2.9	2.6	2.4	2.1	1.8	1.6	1.3	1.1	0.8	0.5
-80°	2.8	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
-81.25°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-82.5°	2.1	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
-83.75°	1.7	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-85°	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
-86.25°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.2
-87.5°	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.1	0.0
86.25°	0.1	0.0
85°	0.1	0.0
83.75°	0.1	0.0
82.5°	0.2	0.0
81.25°	0.2	0.0
80°	0.2	0.0
78.75°	0.3	0.0
77.5°	0.3	0.0
76.25°	0.3	0.0
75°	0.3	0.0
73.75°	0.4	0.0
72.5°	0.4	0.0
71.25°	0.4	0.0
70°	0.5	0.0
68.75°	0.5	0.0
67.5°	0.5	0.0
66.25°	0.5	0.0
65°	0.6	0.0
63.75°	0.6	0.0
62.5°	0.6	0.0
61.25°	0.6	0.0
60°	0.7	0.0
58.75°	0.7	0.0
57.5°	0.7	0.0
56.25°	0.7	0.0
55°	0.8	0.0
53.75°	0.8	0.0
52.5°	0.8	0.0
51.25°	0.8	0.0
50°	0.9	0.0
48.75°	0.9	0.0
47.5°	0.9	0.0
46.25°	0.9	0.0
45°	1.0	0.0
43.75°	1.0	0.0
42.5°	1.0	0.0
41.25°	1.0	0.0
40°	1.0	0.0
38.75°	1.1	0.0
37.5°	1.1	0.0
36.25°	1.1	0.0
35°	1.1	0.0



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CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	1.1	0.0
32.5°	1.1	0.0
31.25°	1.2	0.0
30°	1.2	0.0
28.75°	1.2	0.0
27.5°	1.2	0.0
26.25°	1.2	0.0
25°	1.2	0.0
23.75°	1.2	0.0
22.5°	1.2	0.0
21.25°	1.3	0.0
20°	1.3	0.0
18.75°	1.3	0.0
17.5°	1.3	0.0
16.25°	1.3	0.0
15°	1.3	0.0
13.75°	1.3	0.0
12.5°	1.3	0.0
11.25°	1.3	0.0
10°	1.3	0.0
8.75°	1.3	0.0
7.5°	1.3	0.0
6.25°	1.3	0.0
5°	1.3	0.0
3.75°	1.3	0.0
2.5°	1.3	0.0
1.25°	1.3	0.0
0°	1.3	0.0
-1.25°	1.3	0.0
-2.5°	1.3	0.0
-3.75°	1.3	0.0
-5°	1.3	0.0
-6.25°	1.3	0.0
-7.5°	1.3	0.0
-8.75°	1.3	0.0
-10°	1.3	0.0
-11.25°	1.3	0.0
-12.5°	1.3	0.0
-13.75°	1.3	0.0
-15°	1.3	0.0
-16.25°	1.3	0.0
-17.5°	1.3	0.0
-18.75°	1.3	0.0
-20°	1.3	0.0
-21.25°	1.3	0.0



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.2	0.0
-23.75°	1.2	0.0
-25°	1.2	0.0
-26.25°	1.2	0.0
-27.5°	1.2	0.0
-28.75°	1.2	0.0
-30°	1.2	0.0
-31.25°	1.2	0.0
-32.5°	1.1	0.0
-33.75°	1.1	0.0
-35°	1.1	0.0
-36.25°	1.1	0.0
-37.5°	1.1	0.0
-38.75°	1.1	0.0
-40°	1.0	0.0
-41.25°	1.0	0.0
-42.5°	1.0	0.0
-43.75°	1.0	0.0
-45°	1.0	0.0
-46.25°	0.9	0.0
-47.5°	0.9	0.0
-48.75°	0.9	0.0
-50°	0.9	0.0
-51.25°	0.8	0.0
-52.5°	0.8	0.0
-53.75°	0.8	0.0
-55°	0.8	0.0
-56.25°	0.7	0.0
-57.5°	0.7	0.0
-58.75°	0.7	0.0
-60°	0.7	0.0
-61.25°	0.6	0.0
-62.5°	0.6	0.0
-63.75°	0.6	0.0
-65°	0.6	0.0
-66.25°	0.5	0.0
-67.5°	0.5	0.0
-68.75°	0.5	0.0
-70°	0.5	0.0
-71.25°	0.4	0.0
-72.5°	0.4	0.0
-73.75°	0.4	0.0
-75°	0.3	0.0
-76.25°	0.3	0.0
-77.5°	0.3	0.0



REPORT NUMBER: P220487 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-78.75°	0.3	0.0
-80°	0.2	0.0
-81.25°	0.2	0.0
-82.5°	0.2	0.0
-83.75°	0.1	0.0
-85°	0.1	0.0
-86.25°	0.1	0.0
-87.5°	0.1	0.0
-88.75°	0.0	0.0
-90°	0.0	0.0

(END OF REPORT)