

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: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

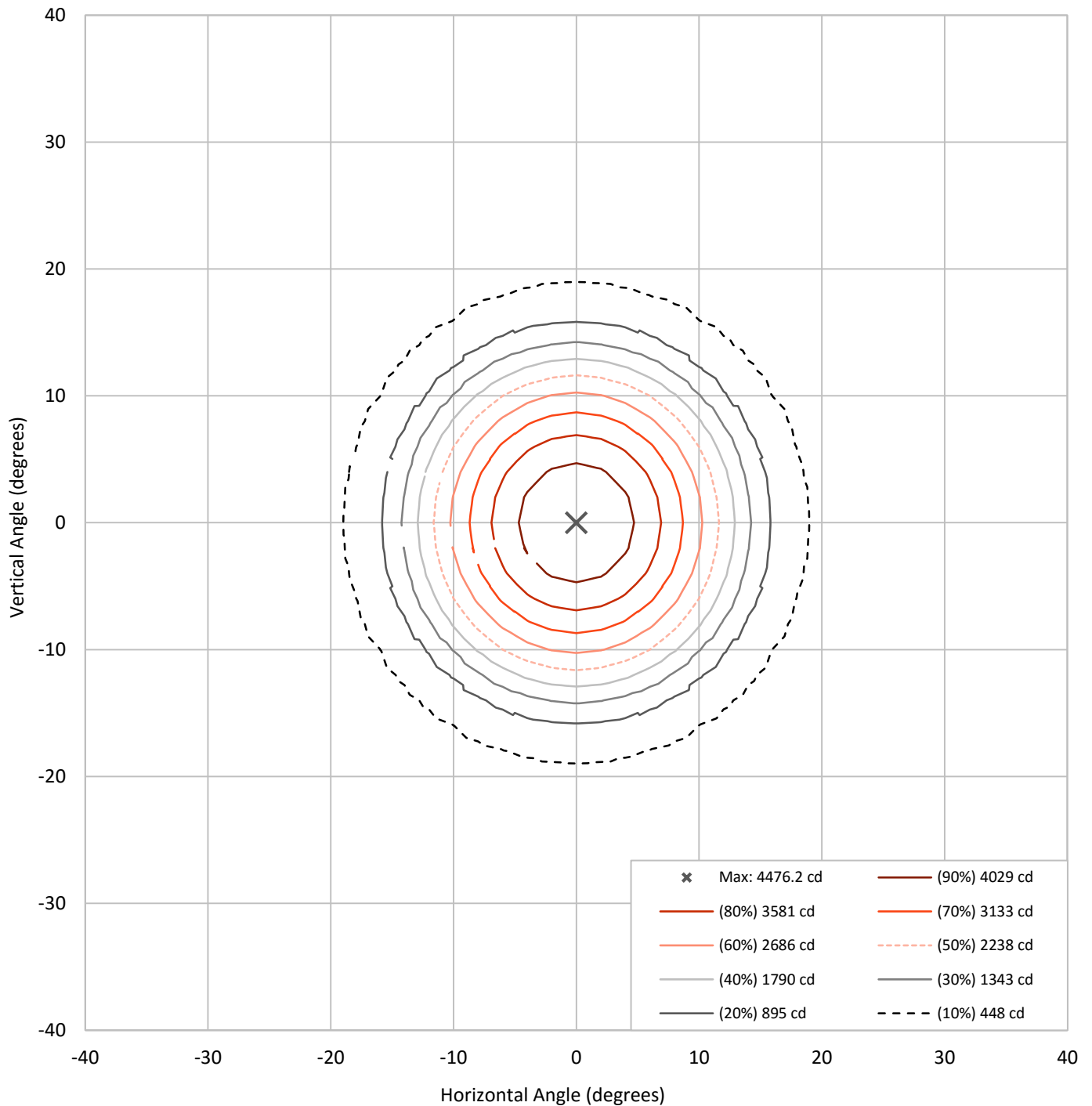
Test Method: LM-79-08
Report Number: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	799.2 lumens	Max Intensity:	4476.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	79.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.3°H x 23.3°V	Field Angle (10%):	37.5°H x 37.5°V
Beam Lumens:	428.1 lumens	Field Lumens:	647.6 lumens
Beam Efficiency:	53.6%	Field Efficiency:	81.0%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot



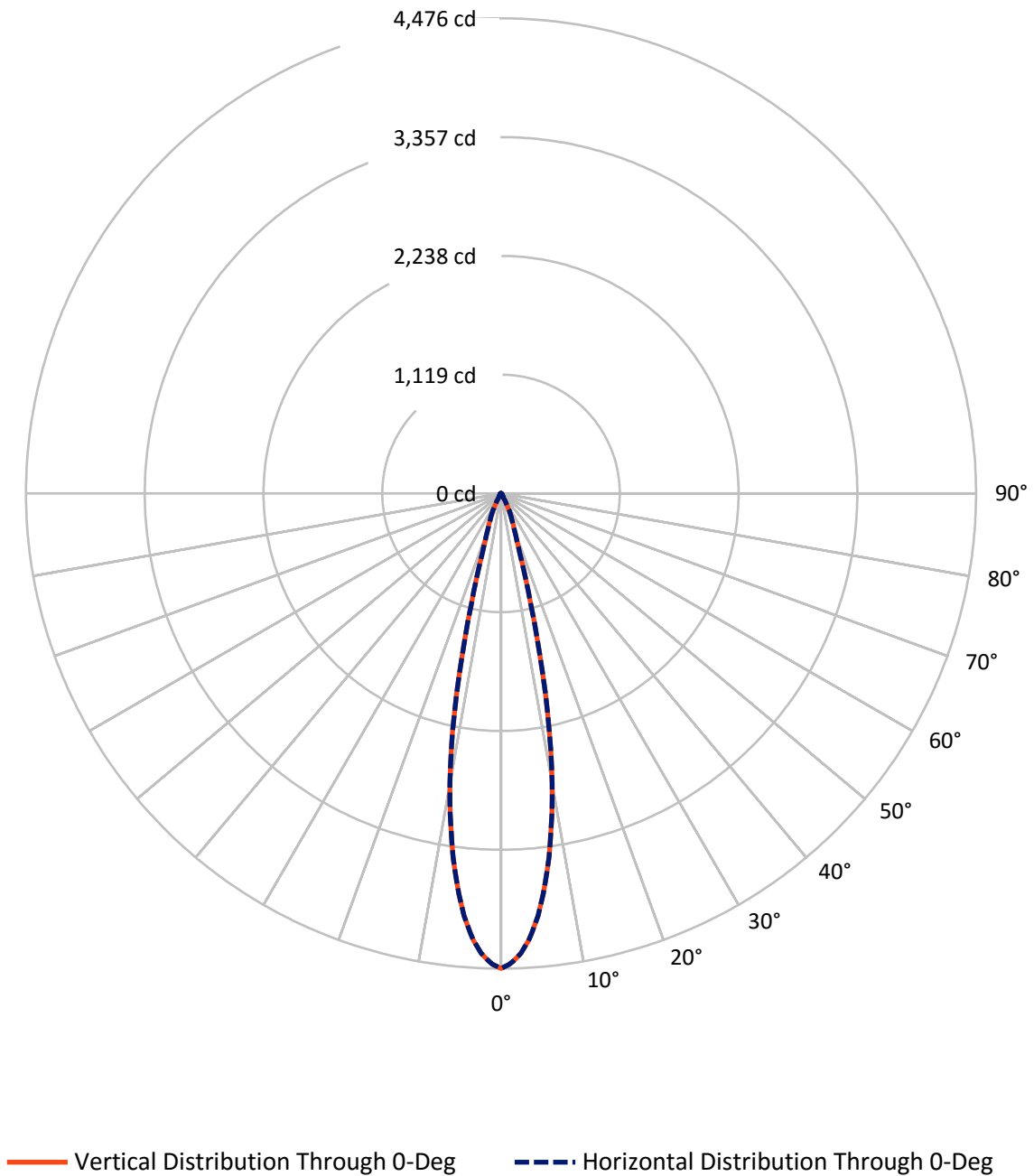
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Lumen Table

90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0				
60		0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1		0.1			
50	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1				
40		0.1	0.2	0.2	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.2	0.2		0.1			
30	0.1	0.1	0.2	0.3	0.4	0.7	2.5	5.1	5.1	2.5	0.7	0.4	0.3	0.2	0.1				
20		0.1	0.2	0.3	0.5	2.3	10.6	31.4	31.4	10.6	2.3	0.5	0.3	0.2		0.1			
10	0.1	0.1	0.2	0.3	0.6	4.7	30.6	100.4	100.4	30.6	4.7	0.6	0.3	0.2	0.1				
0		0.1	0.2	0.3	0.6	4.7	30.6	100.4	100.4	30.6	4.7	0.6	0.3	0.2		0.1			
-10	0.1	0.1	0.2	0.3	0.6	4.7	30.6	100.4	100.4	30.6	4.7	0.6	0.3	0.2	0.1				
-20		0.1	0.2	0.3	0.5	2.3	10.6	31.4	31.4	10.6	2.3	0.5	0.3	0.2		0.1			
-30	0.1	0.1	0.2	0.3	0.4	0.7	2.5	5.1	5.1	2.5	0.7	0.4	0.3	0.2	0.1				
-40		0.1	0.2	0.2	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.2	0.2		0.1			
-50	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1				
-60		0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1		0.1			
-70	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0				
-80		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1		0.0			
-90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

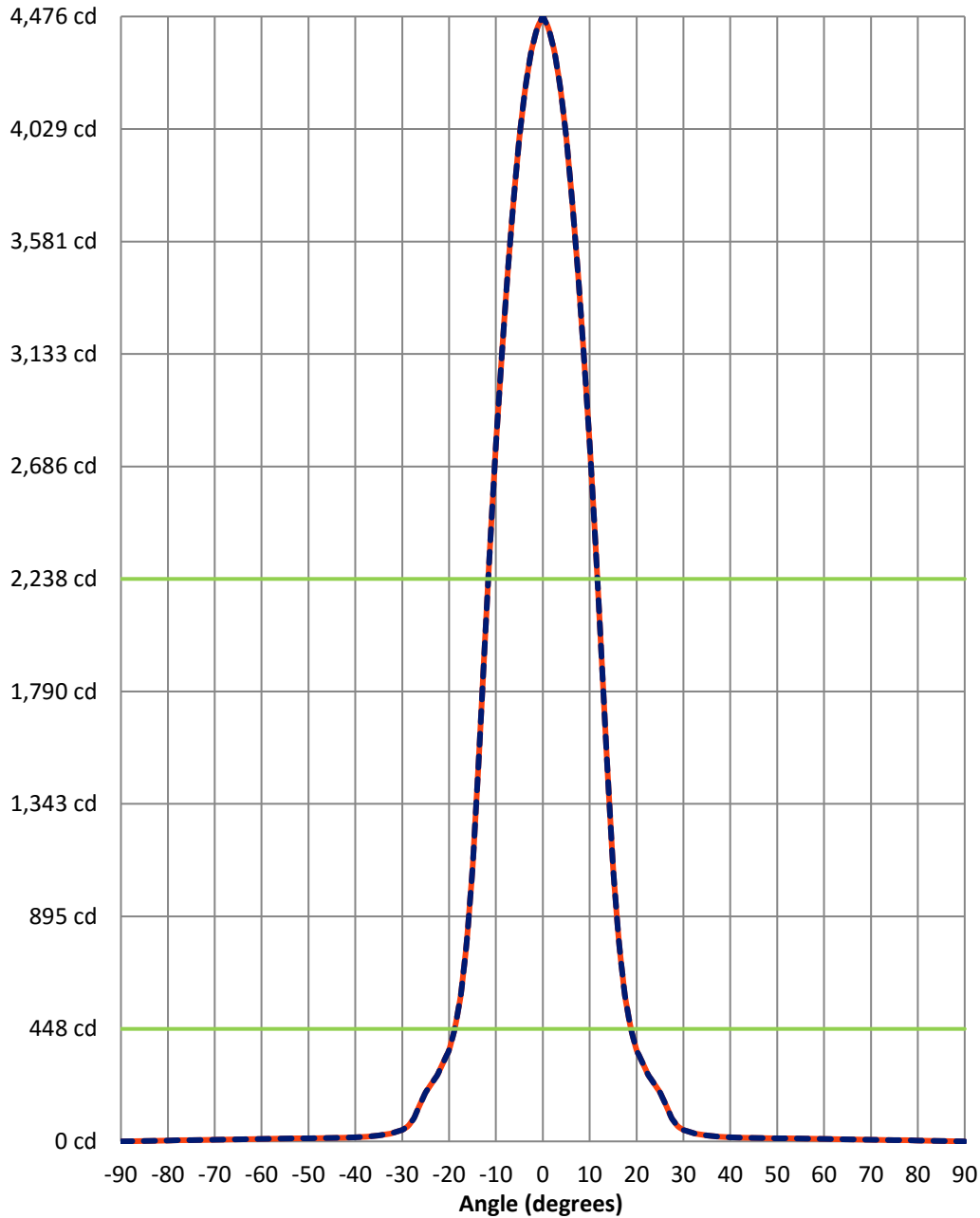
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.3°
 V Angle: 23.3°
 Lumens: 428.1
 Efficiency: 53.6%

Field:
 H Angle: 37.5°
 V Angle: 37.5°
 Lumens: 647.6
 Efficiency: 81.0%

Spill:
 Lumens: 151.5
 Efficiency: 19.0%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
78.75°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.9
75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.1
72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.2	1.4
68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
65°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
63.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8
62.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.8
61.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	1.9
60°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
58.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.1
57.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
56.25°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
55°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3
53.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	1.9	2.1	2.4
52.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
51.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
50°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.3	2.6
48.75°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.4	2.7
47.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.4	2.7
46.25°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
45°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.3	2.6	2.9
43.75°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.9
42.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
41.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.1
40°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.5	2.8	3.1
38.75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.9	3.2
37.5°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.3
36.25°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.3	2.6	3.0	3.3
35°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	3.4



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.5
32.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.1	3.6
31.25°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.2	3.7
30°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.2	3.8
28.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.2	3.9
27.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	4.0
26.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.3	4.1
25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.0	3.4	4.1
23.75°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.5	4.2
22.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.5	4.3
21.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.1	3.6	4.3
20°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.7	4.4
18.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.7	4.5
17.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.8	4.5
16.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.2	3.8	4.6
15°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.2	3.9	4.6
13.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.7
12.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.8	3.2	3.9	4.7
11.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.7
10°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
8.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.0	4.8
7.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.0	4.8
6.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
3.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
2.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
1.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
0°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
-1.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
-2.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
-3.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
-5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
-6.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.1	4.9
-7.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.0	4.8
-8.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.0	4.8
-10°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.8
-11.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.7
-12.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.8	3.2	3.9	4.7
-13.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.7
-15°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.2	3.9	4.6
-16.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.2	3.8	4.6
-17.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.8	4.5
-18.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.7	4.5
-20°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.7	4.4
-21.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.1	3.6	4.3



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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	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.5	4.3
-23.75°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.5	4.2
-25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.0	3.4	4.1
-26.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.3	4.1
-27.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	4.0
-28.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.2	3.9
-30°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.2	3.8
-31.25°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.2	3.7
-32.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.1	3.6
-33.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.5
-35°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	3.4
-36.25°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.3	2.6	3.0	3.3
-37.5°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.3
-38.75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.9	3.2
-40°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.5	2.8	3.1
-41.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.1
-42.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-43.75°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.9
-45°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.3	2.6	2.9
-46.25°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
-47.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.4	2.7
-48.75°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.4	2.7
-50°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.3	2.6
-51.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
-52.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-53.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	1.9	2.1	2.4
-55°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3
-56.25°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
-57.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-58.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.1
-60°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-61.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	1.9
-62.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.8
-63.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8
-65°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
-66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
-67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
-68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
-70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.2	1.4
-71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
-72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.1
-75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.9
-77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
-87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
81.25°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2
80°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4
78.75°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
77.5°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
76.25°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9
75°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
73.75°	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3
72.5°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5
71.25°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.6
70°	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.8
68.75°	1.6	1.7	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0
67.5°	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.1	3.2
66.25°	1.8	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.5
65°	1.8	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.5	3.8
63.75°	1.9	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.5	3.8	4.1
62.5°	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.8	4.1	4.4
61.25°	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.7	4.0	4.4	4.8
60°	2.2	2.4	2.6	2.8	3.0	3.2	3.6	4.0	4.3	4.7	4.9
58.75°	2.3	2.5	2.7	2.9	3.2	3.4	3.8	4.2	4.6	4.9	4.9
57.5°	2.3	2.6	2.8	3.0	3.3	3.7	4.1	4.5	4.9	4.9	4.9
56.25°	2.4	2.7	2.9	3.2	3.5	3.9	4.3	4.8	4.9	4.9	4.9
55°	2.5	2.8	3.0	3.3	3.7	4.1	4.6	4.9	4.9	4.9	4.9
53.75°	2.6	2.9	3.1	3.5	3.9	4.4	4.8	4.9	4.9	4.9	5.0
52.5°	2.7	3.0	3.2	3.7	4.1	4.6	4.9	4.9	4.9	4.9	5.1
51.25°	2.8	3.1	3.4	3.8	4.3	4.8	4.9	4.9	4.9	5.0	5.2
50°	2.9	3.1	3.5	4.0	4.5	4.9	4.9	4.9	4.9	5.1	5.4
48.75°	2.9	3.2	3.7	4.2	4.7	4.9	4.9	4.9	5.0	5.3	5.5
47.5°	3.0	3.3	3.9	4.4	4.9	4.9	4.9	4.9	5.2	5.4	5.7
46.25°	3.1	3.5	4.0	4.6	4.9	4.9	4.9	5.0	5.3	5.5	5.8
45°	3.2	3.6	4.2	4.8	4.9	4.9	4.9	5.1	5.4	5.7	5.9
43.75°	3.3	3.8	4.4	4.9	4.9	4.9	5.0	5.2	5.5	5.8	6.1
42.5°	3.4	3.9	4.5	4.9	4.9	4.9	5.1	5.3	5.6	5.9	6.2
41.25°	3.5	4.1	4.7	4.9	4.9	4.9	5.2	5.5	5.7	6.0	6.3
40°	3.6	4.2	4.8	4.9	4.9	5.0	5.3	5.6	5.9	6.1	6.4
38.75°	3.7	4.4	4.9	4.9	4.9	5.1	5.4	5.7	6.0	6.3	6.6
37.5°	3.9	4.5	4.9	4.9	4.9	5.1	5.4	5.8	6.1	6.4	6.7
36.25°	4.0	4.6	4.9	4.9	4.9	5.2	5.5	5.9	6.2	6.5	6.8
35°	4.1	4.7	4.9	4.9	5.0	5.3	5.6	5.9	6.3	6.6	6.9



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	4.2	4.9	4.9	4.9	5.1	5.4	5.7	6.0	6.4	6.7	7.0
32.5°	4.3	4.9	4.9	4.9	5.1	5.5	5.8	6.1	6.5	6.8	7.1
31.25°	4.4	4.9	4.9	4.9	5.2	5.5	5.9	6.2	6.5	6.9	7.2
30°	4.5	4.9	4.9	4.9	5.3	5.6	6.0	6.3	6.6	7.0	7.3
28.75°	4.6	4.9	4.9	5.0	5.3	5.7	6.0	6.4	6.7	7.1	7.4
27.5°	4.7	4.9	4.9	5.1	5.4	5.8	6.1	6.4	6.8	7.1	7.5
26.25°	4.8	4.9	4.9	5.1	5.5	5.8	6.2	6.5	6.9	7.2	7.6
25°	4.9	4.9	4.9	5.2	5.5	5.9	6.2	6.6	7.0	7.3	7.7
23.75°	4.9	4.9	4.9	5.2	5.6	5.9	6.3	6.7	7.0	7.4	7.7
22.5°	4.9	4.9	4.9	5.3	5.6	6.0	6.4	6.7	7.1	7.5	7.8
21.25°	4.9	4.9	4.9	5.3	5.7	6.0	6.4	6.8	7.2	7.5	7.9
20°	4.9	4.9	5.0	5.4	5.7	6.1	6.5	6.8	7.2	7.6	8.0
18.75°	4.9	4.9	5.0	5.4	5.8	6.1	6.5	6.9	7.3	7.6	8.0
17.5°	4.9	4.9	5.1	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.1
16.25°	4.9	4.9	5.1	5.5	5.9	6.2	6.6	7.0	7.4	7.8	8.1
15°	4.9	4.9	5.1	5.5	5.9	6.3	6.7	7.0	7.4	7.8	8.2
13.75°	4.9	4.9	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.2
12.5°	4.9	4.9	5.2	5.6	6.0	6.3	6.7	7.1	7.5	7.9	8.3
11.25°	4.9	4.9	5.2	5.6	6.0	6.4	6.8	7.2	7.5	7.9	8.3
10°	4.9	4.9	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
8.75°	4.9	4.9	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
7.5°	4.9	4.9	5.3	5.7	6.0	6.4	6.8	7.2	7.6	8.0	8.4
6.25°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.0	8.4
5°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
3.75°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
2.5°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
1.25°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
0°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
-1.25°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
-2.5°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
-3.75°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
-5°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
-6.25°	4.9	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.0	8.4
-7.5°	4.9	4.9	5.3	5.7	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-8.75°	4.9	4.9	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-10°	4.9	4.9	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-11.25°	4.9	4.9	5.2	5.6	6.0	6.4	6.8	7.2	7.5	7.9	8.3
-12.5°	4.9	4.9	5.2	5.6	6.0	6.3	6.7	7.1	7.5	7.9	8.3
-13.75°	4.9	4.9	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.2
-15°	4.9	4.9	5.1	5.5	5.9	6.3	6.7	7.0	7.4	7.8	8.2
-16.25°	4.9	4.9	5.1	5.5	5.9	6.2	6.6	7.0	7.4	7.8	8.1
-17.5°	4.9	4.9	5.1	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.1
-18.75°	4.9	4.9	5.0	5.4	5.8	6.1	6.5	6.9	7.3	7.6	8.0
-20°	4.9	4.9	5.0	5.4	5.7	6.1	6.5	6.8	7.2	7.6	8.0
-21.25°	4.9	4.9	4.9	5.3	5.7	6.0	6.4	6.8	7.2	7.5	7.9



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	4.9	4.9	4.9	5.3	5.6	6.0	6.4	6.7	7.1	7.5	7.8
-23.75°	4.9	4.9	4.9	5.2	5.6	5.9	6.3	6.7	7.0	7.4	7.7
-25°	4.9	4.9	4.9	5.2	5.5	5.9	6.2	6.6	7.0	7.3	7.7
-26.25°	4.8	4.9	4.9	5.1	5.5	5.8	6.2	6.5	6.9	7.2	7.6
-27.5°	4.7	4.9	4.9	5.1	5.4	5.8	6.1	6.4	6.8	7.1	7.5
-28.75°	4.6	4.9	4.9	5.0	5.3	5.7	6.0	6.4	6.7	7.1	7.4
-30°	4.5	4.9	4.9	4.9	5.3	5.6	6.0	6.3	6.6	7.0	7.3
-31.25°	4.4	4.9	4.9	4.9	5.2	5.5	5.9	6.2	6.5	6.9	7.2
-32.5°	4.3	4.9	4.9	4.9	5.1	5.5	5.8	6.1	6.5	6.8	7.1
-33.75°	4.2	4.9	4.9	4.9	5.1	5.4	5.7	6.0	6.4	6.7	7.0
-35°	4.1	4.7	4.9	4.9	5.0	5.3	5.6	5.9	6.3	6.6	6.9
-36.25°	4.0	4.6	4.9	4.9	4.9	5.2	5.5	5.9	6.2	6.5	6.8
-37.5°	3.9	4.5	4.9	4.9	4.9	5.1	5.4	5.8	6.1	6.4	6.7
-38.75°	3.7	4.4	4.9	4.9	4.9	5.1	5.4	5.7	6.0	6.3	6.6
-40°	3.6	4.2	4.8	4.9	4.9	5.0	5.3	5.6	5.9	6.1	6.4
-41.25°	3.5	4.1	4.7	4.9	4.9	4.9	5.2	5.5	5.7	6.0	6.3
-42.5°	3.4	3.9	4.5	4.9	4.9	4.9	5.1	5.3	5.6	5.9	6.2
-43.75°	3.3	3.8	4.4	4.9	4.9	4.9	5.0	5.2	5.5	5.8	6.1
-45°	3.2	3.6	4.2	4.8	4.9	4.9	4.9	5.1	5.4	5.7	5.9
-46.25°	3.1	3.5	4.0	4.6	4.9	4.9	4.9	5.0	5.3	5.5	5.8
-47.5°	3.0	3.3	3.9	4.4	4.9	4.9	4.9	4.9	5.2	5.4	5.7
-48.75°	2.9	3.2	3.7	4.2	4.7	4.9	4.9	4.9	5.0	5.3	5.5
-50°	2.9	3.1	3.5	4.0	4.5	4.9	4.9	4.9	4.9	5.1	5.4
-51.25°	2.8	3.1	3.4	3.8	4.3	4.8	4.9	4.9	4.9	5.0	5.2
-52.5°	2.7	3.0	3.2	3.7	4.1	4.6	4.9	4.9	4.9	4.9	5.1
-53.75°	2.6	2.9	3.1	3.5	3.9	4.4	4.8	4.9	4.9	4.9	5.0
-55°	2.5	2.8	3.0	3.3	3.7	4.1	4.6	4.9	4.9	4.9	4.9
-56.25°	2.4	2.7	2.9	3.2	3.5	3.9	4.3	4.8	4.9	4.9	4.9
-57.5°	2.3	2.6	2.8	3.0	3.3	3.7	4.1	4.5	4.9	4.9	4.9
-58.75°	2.3	2.5	2.7	2.9	3.2	3.4	3.8	4.2	4.6	4.9	4.9
-60°	2.2	2.4	2.6	2.8	3.0	3.2	3.6	4.0	4.3	4.7	4.9
-61.25°	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.7	4.0	4.4	4.8
-62.5°	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.8	4.1	4.4
-63.75°	1.9	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.5	3.8	4.1
-65°	1.8	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.5	3.8
-66.25°	1.8	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.5
-67.5°	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.1	3.2
-68.75°	1.6	1.7	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0
-70°	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.8
-71.25°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.6
-72.5°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5
-73.75°	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3
-75°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-76.25°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9
-77.5°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8



REPORT NUMBER: P220319 (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°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
-80°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4
-81.25°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
85°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
83.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
82.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
81.25°	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.7	1.8
80°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
78.75°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3
77.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
76.25°	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9
75°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1
73.75°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.4	3.5
72.5°	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.5	3.7	3.8	4.0
71.25°	2.8	2.9	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5
70°	3.0	3.1	3.2	3.4	3.7	3.9	4.1	4.4	4.6	4.8	4.9
68.75°	3.2	3.3	3.6	3.8	4.1	4.3	4.6	4.8	4.9	4.9	4.9
67.5°	3.4	3.7	4.0	4.2	4.5	4.8	4.9	4.9	4.9	4.9	4.9
66.25°	3.8	4.0	4.3	4.6	4.9	4.9	4.9	4.9	4.9	4.9	4.9
65°	4.1	4.4	4.7	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.1
63.75°	4.4	4.8	4.9	4.9	4.9	4.9	4.9	5.0	5.1	5.2	5.4
62.5°	4.8	4.9	4.9	4.9	4.9	4.9	5.0	5.2	5.3	5.5	5.6
61.25°	4.9	4.9	4.9	4.9	4.9	5.1	5.2	5.4	5.5	5.7	5.9
60°	4.9	4.9	4.9	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
58.75°	4.9	4.9	4.9	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.3
57.5°	4.9	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.2	6.4	6.6
56.25°	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.2	6.4	6.6	6.8
55°	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
53.75°	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.9	7.1	7.2
52.5°	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.9	7.1	7.3	7.5
51.25°	5.5	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.7
50°	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.2	7.5	7.7	7.9
48.75°	5.8	6.0	6.3	6.5	6.7	7.0	7.2	7.4	7.7	7.9	8.1
47.5°	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.3
46.25°	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.3	8.5
45°	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.0	8.3	8.5	8.8
43.75°	6.3	6.6	6.9	7.1	7.4	7.7	7.9	8.2	8.4	8.7	9.0
42.5°	6.5	6.7	7.0	7.3	7.6	7.8	8.1	8.4	8.6	8.9	9.2
41.25°	6.6	6.9	7.2	7.4	7.7	8.0	8.3	8.5	8.8	9.1	9.4
40°	6.7	7.0	7.3	7.6	7.9	8.2	8.4	8.7	9.0	9.3	9.6
38.75°	6.9	7.2	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.5	9.8
37.5°	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0
36.25°	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2
35°	7.2	7.5	7.8	8.1	8.5	8.8	9.1	9.4	9.8	10.1	10.4



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	7.3	7.6	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.5
32.5°	7.4	7.8	8.1	8.4	8.7	9.1	9.4	9.8	10.1	10.4	10.7
31.25°	7.5	7.9	8.2	8.5	8.9	9.2	9.6	9.9	10.2	10.6	10.9
30°	7.6	8.0	8.3	8.6	9.0	9.4	9.7	10.1	10.4	10.7	11.0
28.75°	7.7	8.1	8.4	8.8	9.1	9.5	9.9	10.2	10.5	10.9	11.2
27.5°	7.8	8.2	8.5	8.9	9.2	9.6	10.0	10.3	10.7	11.0	11.3
26.25°	7.9	8.3	8.6	9.0	9.4	9.8	10.1	10.4	10.8	11.1	11.5
25°	8.0	8.4	8.7	9.1	9.5	9.9	10.2	10.6	10.9	11.3	11.6
23.75°	8.1	8.5	8.8	9.2	9.6	10.0	10.3	10.7	11.0	11.4	11.7
22.5°	8.2	8.5	8.9	9.3	9.7	10.1	10.4	10.8	11.2	11.5	11.9
21.25°	8.3	8.6	9.0	9.4	9.8	10.2	10.5	10.9	11.3	11.6	12.0
20°	8.3	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.4	11.7	12.1
18.75°	8.4	8.8	9.2	9.6	10.0	10.4	10.7	11.1	11.5	11.8	12.2
17.5°	8.5	8.8	9.3	9.7	10.1	10.4	10.8	11.2	11.6	11.9	12.2
16.25°	8.5	8.9	9.3	9.8	10.1	10.5	10.9	11.3	11.6	12.0	12.2
15°	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.3	11.7	12.1	12.2
13.75°	8.6	9.0	9.5	9.9	10.3	10.7	11.0	11.4	11.8	12.2	12.2
12.5°	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.2	12.2
11.25°	8.7	9.1	9.6	10.0	10.4	10.8	11.2	11.5	11.9	12.2	12.2
10°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.2	12.2
8.75°	8.8	9.2	9.7	10.1	10.5	10.9	11.3	11.6	12.0	12.2	12.2
7.5°	8.8	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.2	12.2
6.25°	8.8	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.2	12.2
5°	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.7	12.1	12.2	12.2
3.75°	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.2	12.2
2.5°	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.2	12.2
1.25°	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.2	12.2
0°	8.9	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.2	12.2
-1.25°	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.2	12.2
-2.5°	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.2	12.2
-3.75°	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.2	12.2
-5°	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.7	12.1	12.2	12.2
-6.25°	8.8	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.2	12.2
-7.5°	8.8	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.2	12.2
-8.75°	8.8	9.2	9.7	10.1	10.5	10.9	11.3	11.6	12.0	12.2	12.2
-10°	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.2	12.2
-11.25°	8.7	9.1	9.6	10.0	10.4	10.8	11.2	11.5	11.9	12.2	12.2
-12.5°	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.2	12.2
-13.75°	8.6	9.0	9.5	9.9	10.3	10.7	11.0	11.4	11.8	12.2	12.2
-15°	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.3	11.7	12.1	12.2
-16.25°	8.5	8.9	9.3	9.8	10.1	10.5	10.9	11.3	11.6	12.0	12.2
-17.5°	8.5	8.8	9.3	9.7	10.1	10.4	10.8	11.2	11.6	11.9	12.2
-18.75°	8.4	8.8	9.2	9.6	10.0	10.4	10.7	11.1	11.5	11.8	12.2
-20°	8.3	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.4	11.7	12.1
-21.25°	8.3	8.6	9.0	9.4	9.8	10.2	10.5	10.9	11.3	11.6	12.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	8.2	8.5	8.9	9.3	9.7	10.1	10.4	10.8	11.2	11.5	11.9
-23.75°	8.1	8.5	8.8	9.2	9.6	10.0	10.3	10.7	11.0	11.4	11.7
-25°	8.0	8.4	8.7	9.1	9.5	9.9	10.2	10.6	10.9	11.3	11.6
-26.25°	7.9	8.3	8.6	9.0	9.4	9.8	10.1	10.4	10.8	11.1	11.5
-27.5°	7.8	8.2	8.5	8.9	9.2	9.6	10.0	10.3	10.7	11.0	11.3
-28.75°	7.7	8.1	8.4	8.8	9.1	9.5	9.9	10.2	10.5	10.9	11.2
-30°	7.6	8.0	8.3	8.6	9.0	9.4	9.7	10.1	10.4	10.7	11.0
-31.25°	7.5	7.9	8.2	8.5	8.9	9.2	9.6	9.9	10.2	10.6	10.9
-32.5°	7.4	7.8	8.1	8.4	8.7	9.1	9.4	9.8	10.1	10.4	10.7
-33.75°	7.3	7.6	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.5
-35°	7.2	7.5	7.8	8.1	8.5	8.8	9.1	9.4	9.8	10.1	10.4
-36.25°	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2
-37.5°	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0
-38.75°	6.9	7.2	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.5	9.8
-40°	6.7	7.0	7.3	7.6	7.9	8.2	8.4	8.7	9.0	9.3	9.6
-41.25°	6.6	6.9	7.2	7.4	7.7	8.0	8.3	8.5	8.8	9.1	9.4
-42.5°	6.5	6.7	7.0	7.3	7.6	7.8	8.1	8.4	8.6	8.9	9.2
-43.75°	6.3	6.6	6.9	7.1	7.4	7.7	7.9	8.2	8.4	8.7	9.0
-45°	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.0	8.3	8.5	8.8
-46.25°	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.3	8.5
-47.5°	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.3
-48.75°	5.8	6.0	6.3	6.5	6.7	7.0	7.2	7.4	7.7	7.9	8.1
-50°	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.2	7.5	7.7	7.9
-51.25°	5.5	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.7
-52.5°	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.9	7.1	7.3	7.5
-53.75°	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.9	7.1	7.2
-55°	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
-56.25°	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.2	6.4	6.6	6.8
-57.5°	4.9	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.2	6.4	6.6
-58.75°	4.9	4.9	4.9	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.3
-60°	4.9	4.9	4.9	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
-61.25°	4.9	4.9	4.9	4.9	4.9	5.1	5.2	5.4	5.5	5.7	5.9
-62.5°	4.8	4.9	4.9	4.9	4.9	4.9	5.0	5.2	5.3	5.5	5.6
-63.75°	4.4	4.8	4.9	4.9	4.9	4.9	4.9	5.0	5.1	5.2	5.4
-65°	4.1	4.4	4.7	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.1
-66.25°	3.8	4.0	4.3	4.6	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-67.5°	3.4	3.7	4.0	4.2	4.5	4.8	4.9	4.9	4.9	4.9	4.9
-68.75°	3.2	3.3	3.6	3.8	4.1	4.3	4.6	4.8	4.9	4.9	4.9
-70°	3.0	3.1	3.2	3.4	3.7	3.9	4.1	4.4	4.6	4.8	4.9
-71.25°	2.8	2.9	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5
-72.5°	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.5	3.7	3.8	4.0
-73.75°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.4	3.5
-75°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1
-76.25°	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9
-77.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3
-80°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
-81.25°	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.7	1.8
-82.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
-83.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
-85°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	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: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
85°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
83.75°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
82.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
81.25°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
80°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6
78.75°	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	3.0
77.5°	2.7	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3
76.25°	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0
75°	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.6
73.75°	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.8	4.9	4.9	4.9
72.5°	4.2	4.4	4.6	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9
71.25°	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.1	5.1	5.2
68.75°	4.9	4.9	4.9	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5
67.5°	4.9	4.9	5.0	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9
66.25°	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.9	6.0	6.1	6.2
65°	5.3	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.3	6.4	6.5
63.75°	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.6	6.7	6.8
62.5°	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.1
61.25°	6.0	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.2	7.3	7.4
60°	6.3	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7
58.75°	6.5	6.7	6.8	7.0	7.1	7.3	7.4	7.6	7.7	7.9	8.0
57.5°	6.7	6.9	7.1	7.2	7.4	7.6	7.7	7.9	8.0	8.2	8.3
56.25°	7.0	7.2	7.3	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.6
55°	7.2	7.4	7.6	7.8	7.9	8.1	8.3	8.4	8.6	8.8	8.9
53.75°	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7	8.9	9.1	9.3
52.5°	7.7	7.9	8.1	8.3	8.4	8.6	8.8	9.0	9.2	9.4	9.6
51.25°	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9
50°	8.1	8.3	8.5	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2
48.75°	8.3	8.6	8.8	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5
47.5°	8.6	8.8	9.0	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8
46.25°	8.8	9.0	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	11.0
45°	9.0	9.3	9.5	9.8	10.0	10.3	10.5	10.7	10.9	11.1	11.3
43.75°	9.2	9.5	9.8	10.0	10.3	10.5	10.7	11.0	11.2	11.4	11.6
42.5°	9.5	9.8	10.0	10.3	10.5	10.7	11.0	11.2	11.4	11.7	11.9
41.25°	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.5	11.7	11.9	12.1
40°	9.9	10.2	10.4	10.7	11.0	11.2	11.5	11.7	11.9	12.2	12.2
38.75°	10.1	10.4	10.6	10.9	11.2	11.4	11.7	11.9	12.2	12.2	12.2
37.5°	10.3	10.6	10.8	11.1	11.4	11.7	11.9	12.2	12.2	12.2	12.2
36.25°	10.5	10.8	11.0	11.3	11.6	11.9	12.1	12.2	12.2	12.2	12.4
35°	10.7	11.0	11.2	11.5	11.8	12.1	12.2	12.2	12.2	12.4	12.6



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	10.8	11.1	11.4	11.7	12.0	12.2	12.2	12.2	12.3	12.6	12.9
32.5°	11.0	11.3	11.6	11.9	12.2	12.2	12.2	12.3	12.6	12.8	13.1
31.25°	11.2	11.5	11.8	12.1	12.2	12.2	12.2	12.5	12.8	13.1	13.3
30°	11.3	11.7	12.0	12.2	12.2	12.2	12.4	12.7	13.0	13.3	13.6
28.75°	11.5	11.8	12.1	12.2	12.2	12.3	12.6	12.9	13.2	13.5	13.8
27.5°	11.7	12.0	12.2	12.2	12.2	12.5	12.8	13.1	13.4	13.7	14.0
26.25°	11.8	12.1	12.2	12.2	12.3	12.6	13.0	13.3	13.6	13.9	14.2
25°	11.9	12.2	12.2	12.2	12.5	12.8	13.1	13.5	13.8	14.1	14.4
23.75°	12.1	12.2	12.2	12.3	12.6	13.0	13.3	13.6	14.0	14.3	14.7
22.5°	12.2	12.2	12.2	12.5	12.8	13.1	13.5	13.8	14.2	14.5	15.1
21.25°	12.2	12.2	12.2	12.6	12.9	13.3	13.6	14.0	14.3	14.7	15.4
20°	12.2	12.2	12.4	12.7	13.1	13.4	13.8	14.1	14.5	15.1	15.8
18.75°	12.2	12.2	12.5	12.9	13.2	13.6	13.9	14.3	14.7	15.4	16.2
17.5°	12.2	12.2	12.6	13.0	13.3	13.7	14.1	14.4	15.0	15.7	16.6
16.25°	12.2	12.3	12.7	13.1	13.5	13.8	14.2	14.6	15.3	16.0	17.0
15°	12.2	12.4	12.8	13.2	13.6	13.9	14.3	14.8	15.5	16.3	17.4
13.75°	12.2	12.5	12.9	13.3	13.7	14.0	14.4	15.0	15.8	16.7	17.8
12.5°	12.2	12.6	13.0	13.4	13.8	14.1	14.5	15.2	16.0	17.0	18.2
11.25°	12.3	12.7	13.1	13.5	13.8	14.2	14.6	15.4	16.2	17.3	18.5
10°	12.4	12.7	13.1	13.5	13.9	14.3	14.8	15.6	16.5	17.6	18.9
8.75°	12.4	12.8	13.2	13.6	14.0	14.4	14.9	15.8	16.7	17.9	19.4
7.5°	12.5	12.9	13.3	13.6	14.0	14.4	15.1	15.9	16.9	18.1	19.8
6.25°	12.5	12.9	13.3	13.7	14.1	14.5	15.2	16.0	17.1	18.3	20.2
5°	12.5	12.9	13.3	13.7	14.1	14.5	15.3	16.1	17.2	18.4	20.6
3.75°	12.6	13.0	13.4	13.8	14.2	14.6	15.4	16.2	17.4	18.5	20.8
2.5°	12.6	13.0	13.4	13.8	14.2	14.6	15.4	16.3	17.4	18.6	21.0
1.25°	12.6	13.0	13.4	13.8	14.2	14.6	15.4	16.3	17.5	18.7	21.1
0°	12.6	13.0	13.4	13.8	14.2	14.6	15.4	16.3	17.5	18.7	21.2
-1.25°	12.6	13.0	13.4	13.8	14.2	14.6	15.4	16.3	17.5	18.7	21.1
-2.5°	12.6	13.0	13.4	13.8	14.2	14.6	15.4	16.3	17.4	18.6	21.0
-3.75°	12.6	13.0	13.4	13.8	14.2	14.6	15.4	16.2	17.4	18.5	20.8
-5°	12.5	12.9	13.3	13.7	14.1	14.5	15.3	16.1	17.2	18.4	20.6
-6.25°	12.5	12.9	13.3	13.7	14.1	14.5	15.2	16.0	17.1	18.3	20.2
-7.5°	12.5	12.9	13.3	13.6	14.0	14.4	15.1	15.9	16.9	18.1	19.8
-8.75°	12.4	12.8	13.2	13.6	14.0	14.4	14.9	15.8	16.7	17.9	19.4
-10°	12.4	12.7	13.1	13.5	13.9	14.3	14.8	15.6	16.5	17.6	18.9
-11.25°	12.3	12.7	13.1	13.5	13.8	14.2	14.6	15.4	16.2	17.3	18.5
-12.5°	12.2	12.6	13.0	13.4	13.8	14.1	14.5	15.2	16.0	17.0	18.2
-13.75°	12.2	12.5	12.9	13.3	13.7	14.0	14.4	15.0	15.8	16.7	17.8
-15°	12.2	12.4	12.8	13.2	13.6	13.9	14.3	14.8	15.5	16.3	17.4
-16.25°	12.2	12.3	12.7	13.1	13.5	13.8	14.2	14.6	15.3	16.0	17.0
-17.5°	12.2	12.2	12.6	13.0	13.3	13.7	14.1	14.4	15.0	15.7	16.6
-18.75°	12.2	12.2	12.5	12.9	13.2	13.6	13.9	14.3	14.7	15.4	16.2
-20°	12.2	12.2	12.4	12.7	13.1	13.4	13.8	14.1	14.5	15.1	15.8
-21.25°	12.2	12.2	12.2	12.6	12.9	13.3	13.6	14.0	14.3	14.7	15.4



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	12.2	12.2	12.2	12.5	12.8	13.1	13.5	13.8	14.2	14.5	15.1
-23.75°	12.1	12.2	12.2	12.3	12.6	13.0	13.3	13.6	14.0	14.3	14.7
-25°	11.9	12.2	12.2	12.2	12.5	12.8	13.1	13.5	13.8	14.1	14.4
-26.25°	11.8	12.1	12.2	12.2	12.3	12.6	13.0	13.3	13.6	13.9	14.2
-27.5°	11.7	12.0	12.2	12.2	12.2	12.5	12.8	13.1	13.4	13.7	14.0
-28.75°	11.5	11.8	12.1	12.2	12.2	12.3	12.6	12.9	13.2	13.5	13.8
-30°	11.3	11.7	12.0	12.2	12.2	12.2	12.4	12.7	13.0	13.3	13.6
-31.25°	11.2	11.5	11.8	12.1	12.2	12.2	12.2	12.5	12.8	13.1	13.3
-32.5°	11.0	11.3	11.6	11.9	12.2	12.2	12.2	12.3	12.6	12.8	13.1
-33.75°	10.8	11.1	11.4	11.7	12.0	12.2	12.2	12.2	12.3	12.6	12.9
-35°	10.7	11.0	11.2	11.5	11.8	12.1	12.2	12.2	12.2	12.4	12.6
-36.25°	10.5	10.8	11.0	11.3	11.6	11.9	12.1	12.2	12.2	12.2	12.4
-37.5°	10.3	10.6	10.8	11.1	11.4	11.7	11.9	12.2	12.2	12.2	12.2
-38.75°	10.1	10.4	10.6	10.9	11.2	11.4	11.7	11.9	12.2	12.2	12.2
-40°	9.9	10.2	10.4	10.7	11.0	11.2	11.5	11.7	11.9	12.2	12.2
-41.25°	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.5	11.7	11.9	12.1
-42.5°	9.5	9.8	10.0	10.3	10.5	10.7	11.0	11.2	11.4	11.7	11.9
-43.75°	9.2	9.5	9.8	10.0	10.3	10.5	10.7	11.0	11.2	11.4	11.6
-45°	9.0	9.3	9.5	9.8	10.0	10.3	10.5	10.7	10.9	11.1	11.3
-46.25°	8.8	9.0	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	11.0
-47.5°	8.6	8.8	9.0	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8
-48.75°	8.3	8.6	8.8	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5
-50°	8.1	8.3	8.5	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2
-51.25°	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9
-52.5°	7.7	7.9	8.1	8.3	8.4	8.6	8.8	9.0	9.2	9.4	9.6
-53.75°	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7	8.9	9.1	9.3
-55°	7.2	7.4	7.6	7.8	7.9	8.1	8.3	8.4	8.6	8.8	8.9
-56.25°	7.0	7.2	7.3	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.6
-57.5°	6.7	6.9	7.1	7.2	7.4	7.6	7.7	7.9	8.0	8.2	8.3
-58.75°	6.5	6.7	6.8	7.0	7.1	7.3	7.4	7.6	7.7	7.9	8.0
-60°	6.3	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7
-61.25°	6.0	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.2	7.3	7.4
-62.5°	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.1
-63.75°	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.6	6.7	6.8
-65°	5.3	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.3	6.4	6.5
-66.25°	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.9	6.0	6.1	6.2
-67.5°	4.9	4.9	5.0	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9
-68.75°	4.9	4.9	4.9	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5
-70°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.1	5.1	5.2
-71.25°	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-72.5°	4.2	4.4	4.6	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-73.75°	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.8	4.9	4.9	4.9
-75°	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.6
-76.25°	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0
-77.5°	2.7	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	3.0
-80°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6
-81.25°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
-82.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
-83.75°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
-85°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
-86.25°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
-87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5
83.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
81.25°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6
80°	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0
78.75°	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.4	3.5	3.5
77.5°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.3
76.25°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	4.9
75°	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
73.75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	4.9	4.9	4.9	4.9	4.9	5.0	5.1	5.1	5.2	5.2	5.3
71.25°	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.6
70°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.9	6.0
68.75°	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.3	6.4
67.5°	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.7
66.25°	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1
65°	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5
63.75°	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8
62.5°	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
61.25°	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5
60°	7.8	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
58.75°	8.1	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3
57.5°	8.5	8.6	8.7	8.9	9.0	9.1	9.2	9.4	9.5	9.6	9.7
56.25°	8.8	8.9	9.1	9.2	9.4	9.5	9.6	9.8	9.9	10.0	10.1
55°	9.1	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3	10.4
53.75°	9.4	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.6	10.7	10.8
52.5°	9.8	9.9	10.1	10.2	10.4	10.5	10.7	10.8	10.9	11.0	11.2
51.25°	10.1	10.2	10.4	10.6	10.7	10.9	11.0	11.1	11.3	11.4	11.5
50°	10.4	10.5	10.7	10.9	11.0	11.2	11.3	11.5	11.6	11.7	11.9
48.75°	10.7	10.8	11.0	11.2	11.3	11.5	11.7	11.8	11.9	12.1	12.2
47.5°	11.0	11.1	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.2	12.2
46.25°	11.2	11.4	11.6	11.8	12.0	12.1	12.2	12.2	12.2	12.2	12.2
45°	11.5	11.7	11.9	12.1	12.2	12.2	12.2	12.2	12.2	12.3	12.5
43.75°	11.8	12.0	12.2	12.2	12.2	12.2	12.2	12.3	12.5	12.6	12.8
42.5°	12.1	12.2	12.2	12.2	12.2	12.3	12.5	12.6	12.8	13.0	13.1
41.25°	12.2	12.2	12.2	12.2	12.4	12.6	12.8	13.0	13.1	13.3	13.5
40°	12.2	12.2	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.6	13.8
38.75°	12.2	12.3	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2
37.5°	12.4	12.6	12.8	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5
36.25°	12.6	12.9	13.1	13.3	13.6	13.8	14.0	14.2	14.4	14.7	15.1
35°	12.9	13.1	13.4	13.6	13.9	14.1	14.3	14.5	14.9	15.3	15.7



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	13.1	13.4	13.6	13.9	14.1	14.4	14.6	15.1	15.6	16.0	16.5
32.5°	13.4	13.6	13.9	14.2	14.4	14.7	15.2	15.7	16.2	16.8	17.4
31.25°	13.6	13.9	14.2	14.4	14.8	15.3	15.8	16.4	17.1	17.7	18.4
30°	13.9	14.1	14.4	14.8	15.3	15.9	16.5	17.2	17.9	18.6	20.0
28.75°	14.1	14.4	14.7	15.3	15.9	16.5	17.3	18.1	18.9	20.4	21.8
27.5°	14.3	14.6	15.2	15.8	16.5	17.3	18.1	19.1	20.7	22.2	23.7
26.25°	14.5	15.1	15.7	16.4	17.2	18.1	19.1	20.8	22.4	24.1	26.4
25°	14.9	15.6	16.2	17.1	17.9	18.9	20.7	22.4	24.3	26.7	29.0
23.75°	15.3	16.0	16.8	17.7	18.6	20.4	22.2	24.1	26.7	29.2	32.3
22.5°	15.7	16.5	17.4	18.4	20.0	21.8	23.7	26.4	29.0	32.3	37.3
21.25°	16.1	17.1	18.0	19.3	21.3	23.2	25.8	28.6	31.7	37.0	42.2
20°	16.6	17.6	18.6	20.6	22.6	25.0	27.9	30.7	36.1	41.6	47.9
18.75°	17.1	18.2	19.7	21.7	23.9	26.9	29.8	34.6	40.3	46.3	55.8
17.5°	17.6	18.7	20.8	22.9	25.6	28.7	32.5	38.5	44.4	53.4	69.8
16.25°	18.1	19.6	21.8	24.1	27.2	30.4	36.1	42.2	50.1	64.4	92.0
15°	18.5	20.5	22.7	25.5	28.8	33.1	39.4	45.8	57.1	79.2	118.7
13.75°	19.1	21.4	23.6	26.9	30.2	36.1	42.6	51.3	68.0	101.6	148.4
12.5°	19.9	22.2	24.8	28.2	32.2	38.9	45.5	57.5	82.3	125.8	172.8
11.25°	20.6	22.9	26.0	29.4	34.7	41.4	50.0	66.4	100.8	150.3	194.1
10°	21.2	23.5	27.0	30.4	36.9	43.8	54.0	75.2	119.5	169.9	208.4
8.75°	21.8	24.4	27.9	31.9	38.9	46.1	59.9	89.6	138.6	186.5	221.0
7.5°	22.2	25.1	28.7	33.5	40.6	49.1	66.0	102.2	155.3	199.4	232.2
6.25°	22.7	25.8	29.4	34.9	42.1	51.7	71.2	113.6	167.5	208.5	241.8
5°	23.0	26.3	29.9	36.1	43.3	53.9	77.0	124.9	177.3	216.0	249.7
3.75°	23.3	26.7	30.3	37.0	44.3	55.8	83.6	133.8	185.0	221.9	256.0
2.5°	23.4	27.0	30.7	37.7	44.9	58.1	88.4	140.1	190.5	226.1	260.5
1.25°	23.6	27.2	30.8	38.1	45.4	59.5	91.2	143.9	193.9	228.7	263.2
0°	23.6	27.3	30.9	38.2	45.5	60.0	92.2	145.2	195.0	229.6	264.1
-1.25°	23.6	27.2	30.8	38.1	45.4	59.5	91.2	143.9	193.9	228.7	263.2
-2.5°	23.4	27.0	30.7	37.7	44.9	58.1	88.4	140.1	190.5	226.1	260.5
-3.75°	23.3	26.7	30.3	37.0	44.3	55.8	83.6	133.8	185.0	221.9	256.0
-5°	23.0	26.3	29.9	36.1	43.3	53.9	77.0	124.9	177.3	216.0	249.7
-6.25°	22.7	25.8	29.4	34.9	42.1	51.7	71.2	113.6	167.5	208.5	241.8
-7.5°	22.2	25.1	28.7	33.5	40.6	49.1	66.0	102.2	155.3	199.4	232.2
-8.75°	21.8	24.4	27.9	31.9	38.9	46.1	59.9	89.6	138.6	186.5	221.0
-10°	21.2	23.5	27.0	30.4	36.9	43.8	54.0	75.2	119.5	169.9	208.4
-11.25°	20.6	22.9	26.0	29.4	34.7	41.4	50.0	66.4	100.8	150.3	194.1
-12.5°	19.9	22.2	24.8	28.2	32.2	38.9	45.5	57.5	82.3	125.8	172.8
-13.75°	19.1	21.4	23.6	26.9	30.2	36.1	42.6	51.3	68.0	101.6	148.4
-15°	18.5	20.5	22.7	25.5	28.8	33.1	39.4	45.8	57.1	79.2	118.7
-16.25°	18.1	19.6	21.8	24.1	27.2	30.4	36.1	42.2	50.1	64.4	92.0
-17.5°	17.6	18.7	20.8	22.9	25.6	28.7	32.5	38.5	44.4	53.4	69.8
-18.75°	17.1	18.2	19.7	21.7	23.9	26.9	29.8	34.6	40.3	46.3	55.8
-20°	16.6	17.6	18.6	20.6	22.6	25.0	27.9	30.7	36.1	41.6	47.9
-21.25°	16.1	17.1	18.0	19.3	21.3	23.2	25.8	28.6	31.7	37.0	42.2



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	15.7	16.5	17.4	18.4	20.0	21.8	23.7	26.4	29.0	32.3	37.3
-23.75°	15.3	16.0	16.8	17.7	18.6	20.4	22.2	24.1	26.7	29.2	32.3
-25°	14.9	15.6	16.2	17.1	17.9	18.9	20.7	22.4	24.3	26.7	29.0
-26.25°	14.5	15.1	15.7	16.4	17.2	18.1	19.1	20.8	22.4	24.1	26.4
-27.5°	14.3	14.6	15.2	15.8	16.5	17.3	18.1	19.1	20.7	22.2	23.7
-28.75°	14.1	14.4	14.7	15.3	15.9	16.5	17.3	18.1	18.9	20.4	21.8
-30°	13.9	14.1	14.4	14.8	15.3	15.9	16.5	17.2	17.9	18.6	20.0
-31.25°	13.6	13.9	14.2	14.4	14.8	15.3	15.8	16.4	17.1	17.7	18.4
-32.5°	13.4	13.6	13.9	14.2	14.4	14.7	15.2	15.7	16.2	16.8	17.4
-33.75°	13.1	13.4	13.6	13.9	14.1	14.4	14.6	15.1	15.6	16.0	16.5
-35°	12.9	13.1	13.4	13.6	13.9	14.1	14.3	14.5	14.9	15.3	15.7
-36.25°	12.6	12.9	13.1	13.3	13.6	13.8	14.0	14.2	14.4	14.7	15.1
-37.5°	12.4	12.6	12.8	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5
-38.75°	12.2	12.3	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2
-40°	12.2	12.2	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.6	13.8
-41.25°	12.2	12.2	12.2	12.2	12.4	12.6	12.8	13.0	13.1	13.3	13.5
-42.5°	12.1	12.2	12.2	12.2	12.2	12.3	12.5	12.6	12.8	13.0	13.1
-43.75°	11.8	12.0	12.2	12.2	12.2	12.2	12.2	12.3	12.5	12.6	12.8
-45°	11.5	11.7	11.9	12.1	12.2	12.2	12.2	12.2	12.2	12.3	12.5
-46.25°	11.2	11.4	11.6	11.8	12.0	12.1	12.2	12.2	12.2	12.2	12.2
-47.5°	11.0	11.1	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.2	12.2
-48.75°	10.7	10.8	11.0	11.2	11.3	11.5	11.7	11.8	11.9	12.1	12.2
-50°	10.4	10.5	10.7	10.9	11.0	11.2	11.3	11.5	11.6	11.7	11.9
-51.25°	10.1	10.2	10.4	10.6	10.7	10.9	11.0	11.1	11.3	11.4	11.5
-52.5°	9.8	9.9	10.1	10.2	10.4	10.5	10.7	10.8	10.9	11.0	11.2
-53.75°	9.4	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.6	10.7	10.8
-55°	9.1	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3	10.4
-56.25°	8.8	8.9	9.1	9.2	9.4	9.5	9.6	9.8	9.9	10.0	10.1
-57.5°	8.5	8.6	8.7	8.9	9.0	9.1	9.2	9.4	9.5	9.6	9.7
-58.75°	8.1	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3
-60°	7.8	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
-61.25°	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5
-62.5°	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
-63.75°	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8
-65°	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5
-66.25°	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1
-67.5°	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.7
-68.75°	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.3	6.4
-70°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.9	6.0
-71.25°	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.6
-72.5°	4.9	4.9	4.9	4.9	4.9	5.0	5.1	5.1	5.2	5.2	5.3
-73.75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-75°	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-76.25°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	4.9
-77.5°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.3



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.4	3.5	3.5
-80°	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0
-81.25°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6
-82.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
-83.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
-85°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5
-86.25°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
83.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
82.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
81.25°	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8
80°	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3
78.75°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0
77.5°	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8
76.25°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
73.75°	4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2
72.5°	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.6
71.25°	5.7	5.7	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0
70°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
68.75°	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8
67.5°	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.2
66.25°	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.6	7.6
65°	7.5	7.6	7.6	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
63.75°	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4
62.5°	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8
61.25°	8.6	8.7	8.8	8.8	8.9	9.0	9.0	9.1	9.1	9.2	9.2
60°	9.0	9.1	9.2	9.3	9.3	9.4	9.5	9.5	9.6	9.6	9.7
58.75°	9.4	9.5	9.6	9.7	9.8	9.8	9.9	9.9	10.0	10.0	10.1
57.5°	9.8	9.9	10.0	10.1	10.1	10.2	10.3	10.3	10.4	10.4	10.5
56.25°	10.2	10.3	10.4	10.4	10.5	10.6	10.7	10.7	10.8	10.8	10.9
55°	10.5	10.6	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.2	11.3
53.75°	10.9	11.0	11.1	11.2	11.3	11.3	11.4	11.5	11.5	11.6	11.6
52.5°	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.9	11.9	12.0	12.0
51.25°	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.2	12.2	12.2	12.2
50°	12.0	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
48.75°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.4	12.4
47.5°	12.2	12.2	12.2	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8
46.25°	12.2	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.1	13.2
45°	12.6	12.7	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.5	13.6
43.75°	12.9	13.1	13.2	13.3	13.5	13.6	13.7	13.8	13.8	13.9	14.0
42.5°	13.3	13.4	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4
41.25°	13.6	13.8	13.9	14.1	14.2	14.3	14.4	14.5	14.6	14.8	14.9
40°	14.0	14.1	14.3	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8
38.75°	14.3	14.5	14.7	15.0	15.3	15.5	15.8	16.0	16.2	16.5	16.7
37.5°	14.7	15.1	15.4	15.7	16.0	16.3	16.7	17.0	17.3	17.6	17.9
36.25°	15.4	15.8	16.2	16.6	17.0	17.4	17.8	18.2	18.5	18.9	19.4
35°	16.1	16.6	17.1	17.6	18.1	18.5	19.1	19.9	20.6	21.2	21.8



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	17.1	17.6	18.2	18.7	19.6	20.5	21.4	22.2	22.9	23.5	24.4
32.5°	18.0	18.6	19.7	20.8	21.8	22.7	23.6	24.8	26.0	27.0	27.9
31.25°	19.3	20.6	21.7	22.9	24.1	25.5	26.9	28.2	29.4	30.4	31.9
30°	21.3	22.6	23.9	25.6	27.2	28.8	30.2	32.2	34.7	36.9	38.9
28.75°	23.2	25.0	26.9	28.7	30.4	33.1	36.1	38.9	41.4	43.8	46.1
27.5°	25.8	27.9	29.8	32.5	36.1	39.4	42.6	45.5	50.0	54.0	59.9
26.25°	28.6	30.7	34.6	38.5	42.2	45.8	51.3	57.5	66.4	75.2	89.6
25°	31.7	36.1	40.3	44.4	50.1	57.1	68.0	82.3	100.8	119.5	138.6
23.75°	37.0	41.6	46.3	53.4	64.4	79.2	101.6	125.8	150.3	169.9	186.5
22.5°	42.2	47.9	55.8	69.8	92.0	118.7	148.4	172.8	194.1	208.4	221.0
21.25°	48.4	57.9	73.0	100.7	132.7	164.1	189.8	208.6	224.8	239.6	252.9
20°	57.9	74.2	105.0	141.2	173.7	200.1	219.6	237.9	254.9	273.3	293.5
18.75°	73.0	105.0	144.0	178.5	205.5	227.0	247.4	267.7	293.4	317.0	338.4
17.5°	100.7	141.2	178.5	207.4	230.7	253.2	279.1	308.0	335.1	360.1	394.6
16.25°	132.7	173.7	205.5	230.7	255.1	284.8	317.0	347.4	383.6	426.0	480.7
15°	164.1	200.1	227.0	253.2	284.8	320.0	353.6	399.1	456.2	521.5	605.9
13.75°	189.8	219.6	247.4	279.1	317.0	353.6	404.3	471.6	556.2	657.0	785.2
12.5°	208.6	237.9	267.7	308.0	347.4	399.1	471.6	567.9	691.8	842.7	1030.2
11.25°	224.8	254.9	293.4	335.1	383.6	456.2	556.2	691.8	867.9	1083.2	1332.2
10°	239.6	273.3	317.0	360.1	426.0	521.5	657.0	842.7	1083.2	1367.4	1665.4
8.75°	252.9	293.5	338.4	394.6	480.7	605.9	785.2	1030.2	1332.2	1665.4	1990.8
7.5°	265.0	311.4	357.5	427.2	535.7	696.4	926.4	1228.5	1581.3	1945.3	2287.4
6.25°	279.6	326.9	380.4	467.2	597.4	790.8	1065.5	1417.5	1811.4	2194.1	2543.5
5°	291.7	339.8	402.4	500.7	650.1	884.4	1207.1	1597.7	2009.6	2403.6	2752.7
3.75°	301.2	349.9	419.7	531.8	708.7	971.1	1324.3	1742.6	2168.1	2563.9	2913.8
2.5°	308.1	357.3	434.7	559.4	751.2	1034.2	1411.1	1849.6	2282.1	2678.9	3033.6
1.25°	312.3	361.7	445.5	576.2	777.0	1072.6	1470.1	1915.0	2352.0	2750.0	3105.4
0°	313.7	363.2	449.2	581.8	785.7	1085.5	1490.0	1937.1	2375.7	2774.0	3129.3
-1.25°	312.3	361.7	445.5	576.2	777.0	1072.6	1470.1	1915.0	2352.0	2750.0	3105.4
-2.5°	308.1	357.3	434.7	559.4	751.2	1034.2	1411.1	1849.6	2282.1	2678.9	3033.6
-3.75°	301.2	349.9	419.7	531.8	708.7	971.1	1324.3	1742.6	2168.1	2563.9	2913.8
-5°	291.7	339.8	402.4	500.7	650.1	884.4	1207.1	1597.7	2009.6	2403.6	2752.7
-6.25°	279.6	326.9	380.4	467.2	597.4	790.8	1065.5	1417.5	1811.4	2194.1	2543.5
-7.5°	265.0	311.4	357.5	427.2	535.7	696.4	926.4	1228.5	1581.3	1945.3	2287.4
-8.75°	252.9	293.5	338.4	394.6	480.7	605.9	785.2	1030.2	1332.2	1665.4	1990.8
-10°	239.6	273.3	317.0	360.1	426.0	521.5	657.0	842.7	1083.2	1367.4	1665.4
-11.25°	224.8	254.9	293.4	335.1	383.6	456.2	556.2	691.8	867.9	1083.2	1332.2
-12.5°	208.6	237.9	267.7	308.0	347.4	399.1	471.6	567.9	691.8	842.7	1030.2
-13.75°	189.8	219.6	247.4	279.1	317.0	353.6	404.3	471.6	556.2	657.0	785.2
-15°	164.1	200.1	227.0	253.2	284.8	320.0	353.6	399.1	456.2	521.5	605.9
-16.25°	132.7	173.7	205.5	230.7	255.1	284.8	317.0	347.4	383.6	426.0	480.7
-17.5°	100.7	141.2	178.5	207.4	230.7	253.2	279.1	308.0	335.1	360.1	394.6
-18.75°	73.0	105.0	144.0	178.5	205.5	227.0	247.4	267.7	293.4	317.0	338.4
-20°	57.9	74.2	105.0	141.2	173.7	200.1	219.6	237.9	254.9	273.3	293.5
-21.25°	48.4	57.9	73.0	100.7	132.7	164.1	189.8	208.6	224.8	239.6	252.9



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	42.2	47.9	55.8	69.8	92.0	118.7	148.4	172.8	194.1	208.4	221.0
-23.75°	37.0	41.6	46.3	53.4	64.4	79.2	101.6	125.8	150.3	169.9	186.5
-25°	31.7	36.1	40.3	44.4	50.1	57.1	68.0	82.3	100.8	119.5	138.6
-26.25°	28.6	30.7	34.6	38.5	42.2	45.8	51.3	57.5	66.4	75.2	89.6
-27.5°	25.8	27.9	29.8	32.5	36.1	39.4	42.6	45.5	50.0	54.0	59.9
-28.75°	23.2	25.0	26.9	28.7	30.4	33.1	36.1	38.9	41.4	43.8	46.1
-30°	21.3	22.6	23.9	25.6	27.2	28.8	30.2	32.2	34.7	36.9	38.9
-31.25°	19.3	20.6	21.7	22.9	24.1	25.5	26.9	28.2	29.4	30.4	31.9
-32.5°	18.0	18.6	19.7	20.8	21.8	22.7	23.6	24.8	26.0	27.0	27.9
-33.75°	17.1	17.6	18.2	18.7	19.6	20.5	21.4	22.2	22.9	23.5	24.4
-35°	16.1	16.6	17.1	17.6	18.1	18.5	19.1	19.9	20.6	21.2	21.8
-36.25°	15.4	15.8	16.2	16.6	17.0	17.4	17.8	18.2	18.5	18.9	19.4
-37.5°	14.7	15.1	15.4	15.7	16.0	16.3	16.7	17.0	17.3	17.6	17.9
-38.75°	14.3	14.5	14.7	15.0	15.3	15.5	15.8	16.0	16.2	16.5	16.7
-40°	14.0	14.1	14.3	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8
-41.25°	13.6	13.8	13.9	14.1	14.2	14.3	14.4	14.5	14.6	14.8	14.9
-42.5°	13.3	13.4	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4
-43.75°	12.9	13.1	13.2	13.3	13.5	13.6	13.7	13.8	13.8	13.9	14.0
-45°	12.6	12.7	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.5	13.6
-46.25°	12.2	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.1	13.2
-47.5°	12.2	12.2	12.2	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8
-48.75°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.4	12.4
-50°	12.0	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
-51.25°	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.2	12.2	12.2	12.2
-52.5°	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.9	11.9	12.0	12.0
-53.75°	10.9	11.0	11.1	11.2	11.3	11.3	11.4	11.5	11.5	11.6	11.6
-55°	10.5	10.6	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.2	11.3
-56.25°	10.2	10.3	10.4	10.4	10.5	10.6	10.7	10.7	10.8	10.8	10.9
-57.5°	9.8	9.9	10.0	10.1	10.1	10.2	10.3	10.3	10.4	10.4	10.5
-58.75°	9.4	9.5	9.6	9.7	9.8	9.8	9.9	9.9	10.0	10.0	10.1
-60°	9.0	9.1	9.2	9.3	9.3	9.4	9.5	9.5	9.6	9.6	9.7
-61.25°	8.6	8.7	8.8	8.8	8.9	9.0	9.0	9.1	9.1	9.2	9.2
-62.5°	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8
-63.75°	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4
-65°	7.5	7.6	7.6	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
-66.25°	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.6	7.6
-67.5°	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.2
-68.75°	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8
-70°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
-71.25°	5.7	5.7	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0
-72.5°	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.6
-73.75°	4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2
-75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-76.25°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-77.5°	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0
-80°	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3
-81.25°	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8
-82.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
-83.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
-85°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
-86.25°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
81.25°	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8	2.8	2.8	2.8
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
78.75°	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
76.25°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
73.75°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
72.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
71.25°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
70°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
68.75°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
67.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
66.25°	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
65°	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
63.75°	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
62.5°	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
61.25°	9.3	9.3	9.3	9.3	9.3	9.3	9.4	9.3	9.3	9.3	9.3
60°	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
58.75°	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
57.5°	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
56.25°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
55°	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
53.75°	11.7	11.7	11.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.7
52.5°	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.1
51.25°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
50°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
48.75°	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
47.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
46.25°	13.3	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3
45°	13.6	13.7	13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7
43.75°	14.0	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.1
42.5°	14.4	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.5
41.25°	15.1	15.2	15.3	15.4	15.4	15.4	15.5	15.4	15.4	15.4	15.3
40°	15.9	16.0	16.1	16.2	16.3	16.3	16.3	16.3	16.3	16.2	16.1
38.75°	16.9	17.1	17.2	17.4	17.4	17.5	17.5	17.5	17.4	17.4	17.2
37.5°	18.1	18.3	18.4	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.4
36.25°	19.8	20.2	20.6	20.8	21.0	21.1	21.2	21.1	21.0	20.8	20.6
35°	22.2	22.7	23.0	23.3	23.4	23.6	23.6	23.6	23.4	23.3	23.0



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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°	25.1	25.8	26.3	26.7	27.0	27.2	27.3	27.2	27.0	26.7	26.3
32.5°	28.7	29.4	29.9	30.3	30.7	30.8	30.9	30.8	30.7	30.3	29.9
31.25°	33.5	34.9	36.1	37.0	37.7	38.1	38.2	38.1	37.7	37.0	36.1
30°	40.6	42.1	43.3	44.3	44.9	45.4	45.5	45.4	44.9	44.3	43.3
28.75°	49.1	51.7	53.9	55.8	58.1	59.5	60.0	59.5	58.1	55.8	53.9
27.5°	66.0	71.2	77.0	83.6	88.4	91.2	92.2	91.2	88.4	83.6	77.0
26.25°	102.2	113.6	124.9	133.8	140.1	143.9	145.2	143.9	140.1	133.8	124.9
25°	155.3	167.5	177.3	185.0	190.5	193.9	195.0	193.9	190.5	185.0	177.3
23.75°	199.4	208.5	216.0	221.9	226.1	228.7	229.6	228.7	226.1	221.9	216.0
22.5°	232.2	241.8	249.7	256.0	260.5	263.2	264.1	263.2	260.5	256.0	249.7
21.25°	265.0	279.6	291.7	301.2	308.1	312.3	313.7	312.3	308.1	301.2	291.7
20°	311.4	326.9	339.8	349.9	357.3	361.7	363.2	361.7	357.3	349.9	339.8
18.75°	357.5	380.4	402.4	419.7	434.7	445.5	449.2	445.5	434.7	419.7	402.4
17.5°	427.2	467.2	500.7	531.8	559.4	576.2	581.8	576.2	559.4	531.8	500.7
16.25°	535.7	597.4	650.1	708.7	751.2	777.0	785.7	777.0	751.2	708.7	650.1
15°	696.4	790.8	884.4	971.1	1034.2	1072.6	1085.5	1072.6	1034.2	971.1	884.4
13.75°	926.4	1065.5	1207.1	1324.3	1411.1	1470.1	1490.0	1470.1	1411.1	1324.3	1207.1
12.5°	1228.5	1417.5	1597.7	1742.6	1849.6	1915.0	1937.1	1915.0	1849.6	1742.6	1597.7
11.25°	1581.3	1811.4	2009.6	2168.1	2282.1	2352.0	2375.7	2352.0	2282.1	2168.1	2009.6
10°	1945.3	2194.1	2403.6	2563.9	2678.9	2750.0	2774.0	2750.0	2678.9	2563.9	2403.6
8.75°	2287.4	2543.5	2752.7	2913.8	3033.6	3105.4	3129.3	3105.4	3033.6	2913.8	2752.7
7.5°	2589.5	2845.5	3059.9	3229.2	3356.1	3430.3	3455.7	3430.3	3356.1	3229.2	3059.9
6.25°	2845.5	3107.6	3332.8	3508.8	3639.0	3717.7	3745.0	3717.7	3639.0	3508.8	3332.8
5°	3059.9	3332.8	3562.8	3745.6	3880.4	3965.3	3995.2	3965.3	3880.4	3745.6	3562.8
3.75°	3229.2	3508.8	3745.6	3936.4	4077.1	4167.0	4192.9	4167.0	4077.1	3936.4	3745.6
2.5°	3356.1	3639.0	3880.4	4077.1	4220.3	4307.5	4334.9	4307.5	4220.3	4077.1	3880.4
1.25°	3430.3	3717.7	3965.3	4167.0	4307.5	4396.1	4429.3	4396.1	4307.5	4167.0	3965.3
0°	3455.7	3745.0	3995.2	4192.9	4334.9	4429.3	4476.2	4429.3	4334.9	4192.9	3995.2
-1.25°	3430.3	3717.7	3965.3	4167.0	4307.5	4396.1	4429.3	4396.1	4307.5	4167.0	3965.3
-2.5°	3356.1	3639.0	3880.4	4077.1	4220.3	4307.5	4334.9	4307.5	4220.3	4077.1	3880.4
-3.75°	3229.2	3508.8	3745.6	3936.4	4077.1	4167.0	4192.9	4167.0	4077.1	3936.4	3745.6
-5°	3059.9	3332.8	3562.8	3745.6	3880.4	3965.3	3995.2	3965.3	3880.4	3745.6	3562.8
-6.25°	2845.5	3107.6	3332.8	3508.8	3639.0	3717.7	3745.0	3717.7	3639.0	3508.8	3332.8
-7.5°	2589.5	2845.5	3059.9	3229.2	3356.1	3430.3	3455.7	3430.3	3356.1	3229.2	3059.9
-8.75°	2287.4	2543.5	2752.7	2913.8	3033.6	3105.4	3129.3	3105.4	3033.6	2913.8	2752.7
-10°	1945.3	2194.1	2403.6	2563.9	2678.9	2750.0	2774.0	2750.0	2678.9	2563.9	2403.6
-11.25°	1581.3	1811.4	2009.6	2168.1	2282.1	2352.0	2375.7	2352.0	2282.1	2168.1	2009.6
-12.5°	1228.5	1417.5	1597.7	1742.6	1849.6	1915.0	1937.1	1915.0	1849.6	1742.6	1597.7
-13.75°	926.4	1065.5	1207.1	1324.3	1411.1	1470.1	1490.0	1470.1	1411.1	1324.3	1207.1
-15°	696.4	790.8	884.4	971.1	1034.2	1072.6	1085.5	1072.6	1034.2	971.1	884.4
-16.25°	535.7	597.4	650.1	708.7	751.2	777.0	785.7	777.0	751.2	708.7	650.1
-17.5°	427.2	467.2	500.7	531.8	559.4	576.2	581.8	576.2	559.4	531.8	500.7
-18.75°	357.5	380.4	402.4	419.7	434.7	445.5	449.2	445.5	434.7	419.7	402.4
-20°	311.4	326.9	339.8	349.9	357.3	361.7	363.2	361.7	357.3	349.9	339.8
-21.25°	265.0	279.6	291.7	301.2	308.1	312.3	313.7	312.3	308.1	301.2	291.7



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	232.2	241.8	249.7	256.0	260.5	263.2	264.1	263.2	260.5	256.0	249.7
-23.75°	199.4	208.5	216.0	221.9	226.1	228.7	229.6	228.7	226.1	221.9	216.0
-25°	155.3	167.5	177.3	185.0	190.5	193.9	195.0	193.9	190.5	185.0	177.3
-26.25°	102.2	113.6	124.9	133.8	140.1	143.9	145.2	143.9	140.1	133.8	124.9
-27.5°	66.0	71.2	77.0	83.6	88.4	91.2	92.2	91.2	88.4	83.6	77.0
-28.75°	49.1	51.7	53.9	55.8	58.1	59.5	60.0	59.5	58.1	55.8	53.9
-30°	40.6	42.1	43.3	44.3	44.9	45.4	45.5	45.4	44.9	44.3	43.3
-31.25°	33.5	34.9	36.1	37.0	37.7	38.1	38.2	38.1	37.7	37.0	36.1
-32.5°	28.7	29.4	29.9	30.3	30.7	30.8	30.9	30.8	30.7	30.3	29.9
-33.75°	25.1	25.8	26.3	26.7	27.0	27.2	27.3	27.2	27.0	26.7	26.3
-35°	22.2	22.7	23.0	23.3	23.4	23.6	23.6	23.6	23.4	23.3	23.0
-36.25°	19.8	20.2	20.6	20.8	21.0	21.1	21.2	21.1	21.0	20.8	20.6
-37.5°	18.1	18.3	18.4	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.4
-38.75°	16.9	17.1	17.2	17.4	17.4	17.5	17.5	17.5	17.4	17.4	17.2
-40°	15.9	16.0	16.1	16.2	16.3	16.3	16.3	16.3	16.3	16.2	16.1
-41.25°	15.1	15.2	15.3	15.4	15.4	15.4	15.5	15.4	15.4	15.4	15.3
-42.5°	14.4	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.5
-43.75°	14.0	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.1
-45°	13.6	13.7	13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7
-46.25°	13.3	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3
-47.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
-48.75°	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
-50°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
-51.25°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
-52.5°	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.1
-53.75°	11.7	11.7	11.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.7
-55°	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
-56.25°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-57.5°	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
-58.75°	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
-60°	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
-61.25°	9.3	9.3	9.3	9.3	9.3	9.3	9.4	9.3	9.3	9.3	9.3
-62.5°	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-63.75°	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-65°	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
-66.25°	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
-67.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
-68.75°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-70°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-71.25°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-72.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-73.75°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
-75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-76.25°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-77.5°	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-81.25°	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8	2.8	2.8	2.8
-82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
83.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
82.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
81.25°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7
80°	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1
78.75°	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7
77.5°	4.9	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5
76.25°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
73.75°	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.0
72.5°	5.7	5.7	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4
71.25°	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8
70°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
68.75°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.5
67.5°	7.3	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9	6.9
66.25°	7.7	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.3	7.3
65°	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.6
63.75°	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0
62.5°	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4
61.25°	9.3	9.3	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.8	8.8
60°	9.7	9.7	9.7	9.6	9.6	9.5	9.5	9.4	9.3	9.3	9.2
58.75°	10.1	10.1	10.1	10.0	10.0	9.9	9.9	9.8	9.8	9.7	9.6
57.5°	10.5	10.5	10.5	10.4	10.4	10.3	10.3	10.2	10.1	10.1	10.0
56.25°	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.5	10.4	10.4
55°	11.3	11.3	11.3	11.2	11.2	11.1	11.0	11.0	10.9	10.8	10.7
53.75°	11.7	11.7	11.6	11.6	11.5	11.5	11.4	11.3	11.3	11.2	11.1
52.5°	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.6	11.5
51.25°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.9	11.8
50°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
48.75°	12.5	12.5	12.4	12.4	12.3	12.2	12.2	12.2	12.2	12.2	12.2
47.5°	12.9	12.9	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.2	12.2
46.25°	13.3	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7	12.6	12.5
45°	13.7	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.1	13.0	12.9
43.75°	14.1	14.0	14.0	13.9	13.8	13.8	13.7	13.6	13.5	13.3	13.2
42.5°	14.5	14.4	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.6
41.25°	15.2	15.1	14.9	14.8	14.6	14.5	14.4	14.3	14.2	14.1	13.9
40°	16.0	15.9	15.8	15.6	15.4	15.2	15.0	14.8	14.6	14.4	14.3
38.75°	17.1	16.9	16.7	16.5	16.2	16.0	15.8	15.5	15.3	15.0	14.7
37.5°	18.3	18.1	17.9	17.6	17.3	17.0	16.7	16.3	16.0	15.7	15.4
36.25°	20.2	19.8	19.4	18.9	18.5	18.2	17.8	17.4	17.0	16.6	16.2
35°	22.7	22.2	21.8	21.2	20.6	19.9	19.1	18.5	18.1	17.6	17.1



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	25.8	25.1	24.4	23.5	22.9	22.2	21.4	20.5	19.6	18.7	18.2
32.5°	29.4	28.7	27.9	27.0	26.0	24.8	23.6	22.7	21.8	20.8	19.7
31.25°	34.9	33.5	31.9	30.4	29.4	28.2	26.9	25.5	24.1	22.9	21.7
30°	42.1	40.6	38.9	36.9	34.7	32.2	30.2	28.8	27.2	25.6	23.9
28.75°	51.7	49.1	46.1	43.8	41.4	38.9	36.1	33.1	30.4	28.7	26.9
27.5°	71.2	66.0	59.9	54.0	50.0	45.5	42.6	39.4	36.1	32.5	29.8
26.25°	113.6	102.2	89.6	75.2	66.4	57.5	51.3	45.8	42.2	38.5	34.6
25°	167.5	155.3	138.6	119.5	100.8	82.3	68.0	57.1	50.1	44.4	40.3
23.75°	208.5	199.4	186.5	169.9	150.3	125.8	101.6	79.2	64.4	53.4	46.3
22.5°	241.8	232.2	221.0	208.4	194.1	172.8	148.4	118.7	92.0	69.8	55.8
21.25°	279.6	265.0	252.9	239.6	224.8	208.6	189.8	164.1	132.7	100.7	73.0
20°	326.9	311.4	293.5	273.3	254.9	237.9	219.6	200.1	173.7	141.2	105.0
18.75°	380.4	357.5	338.4	317.0	293.4	267.7	247.4	227.0	205.5	178.5	144.0
17.5°	467.2	427.2	394.6	360.1	335.1	308.0	279.1	253.2	230.7	207.4	178.5
16.25°	597.4	535.7	480.7	426.0	383.6	347.4	317.0	284.8	255.1	230.7	205.5
15°	790.8	696.4	605.9	521.5	456.2	399.1	353.6	320.0	284.8	253.2	227.0
13.75°	1065.5	926.4	785.2	657.0	556.2	471.6	404.3	353.6	317.0	279.1	247.4
12.5°	1417.5	1228.5	1030.2	842.7	691.8	567.9	471.6	399.1	347.4	308.0	267.7
11.25°	1811.4	1581.3	1332.2	1083.2	867.9	691.8	556.2	456.2	383.6	335.1	293.4
10°	2194.1	1945.3	1665.4	1367.4	1083.2	842.7	657.0	521.5	426.0	360.1	317.0
8.75°	2543.5	2287.4	1990.8	1665.4	1332.2	1030.2	785.2	605.9	480.7	394.6	338.4
7.5°	2845.5	2589.5	2287.4	1945.3	1581.3	1228.5	926.4	696.4	535.7	427.2	357.5
6.25°	3107.6	2845.5	2543.5	2194.1	1811.4	1417.5	1065.5	790.8	597.4	467.2	380.4
5°	3332.8	3059.9	2752.7	2403.6	2009.6	1597.7	1207.1	884.4	650.1	500.7	402.4
3.75°	3508.8	3229.2	2913.8	2563.9	2168.1	1742.6	1324.3	971.1	708.7	531.8	419.7
2.5°	3639.0	3356.1	3033.6	2678.9	2282.1	1849.6	1411.1	1034.2	751.2	559.4	434.7
1.25°	3717.7	3430.3	3105.4	2750.0	2352.0	1915.0	1470.1	1072.6	777.0	576.2	445.5
0°	3745.0	3455.7	3129.3	2774.0	2375.7	1937.1	1490.0	1085.5	785.7	581.8	449.2
-1.25°	3717.7	3430.3	3105.4	2750.0	2352.0	1915.0	1470.1	1072.6	777.0	576.2	445.5
-2.5°	3639.0	3356.1	3033.6	2678.9	2282.1	1849.6	1411.1	1034.2	751.2	559.4	434.7
-3.75°	3508.8	3229.2	2913.8	2563.9	2168.1	1742.6	1324.3	971.1	708.7	531.8	419.7
-5°	3332.8	3059.9	2752.7	2403.6	2009.6	1597.7	1207.1	884.4	650.1	500.7	402.4
-6.25°	3107.6	2845.5	2543.5	2194.1	1811.4	1417.5	1065.5	790.8	597.4	467.2	380.4
-7.5°	2845.5	2589.5	2287.4	1945.3	1581.3	1228.5	926.4	696.4	535.7	427.2	357.5
-8.75°	2543.5	2287.4	1990.8	1665.4	1332.2	1030.2	785.2	605.9	480.7	394.6	338.4
-10°	2194.1	1945.3	1665.4	1367.4	1083.2	842.7	657.0	521.5	426.0	360.1	317.0
-11.25°	1811.4	1581.3	1332.2	1083.2	867.9	691.8	556.2	456.2	383.6	335.1	293.4
-12.5°	1417.5	1228.5	1030.2	842.7	691.8	567.9	471.6	399.1	347.4	308.0	267.7
-13.75°	1065.5	926.4	785.2	657.0	556.2	471.6	404.3	353.6	317.0	279.1	247.4
-15°	790.8	696.4	605.9	521.5	456.2	399.1	353.6	320.0	284.8	253.2	227.0
-16.25°	597.4	535.7	480.7	426.0	383.6	347.4	317.0	284.8	255.1	230.7	205.5
-17.5°	467.2	427.2	394.6	360.1	335.1	308.0	279.1	253.2	230.7	207.4	178.5
-18.75°	380.4	357.5	338.4	317.0	293.4	267.7	247.4	227.0	205.5	178.5	144.0
-20°	326.9	311.4	293.5	273.3	254.9	237.9	219.6	200.1	173.7	141.2	105.0
-21.25°	279.6	265.0	252.9	239.6	224.8	208.6	189.8	164.1	132.7	100.7	73.0



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	241.8	232.2	221.0	208.4	194.1	172.8	148.4	118.7	92.0	69.8	55.8
-23.75°	208.5	199.4	186.5	169.9	150.3	125.8	101.6	79.2	64.4	53.4	46.3
-25°	167.5	155.3	138.6	119.5	100.8	82.3	68.0	57.1	50.1	44.4	40.3
-26.25°	113.6	102.2	89.6	75.2	66.4	57.5	51.3	45.8	42.2	38.5	34.6
-27.5°	71.2	66.0	59.9	54.0	50.0	45.5	42.6	39.4	36.1	32.5	29.8
-28.75°	51.7	49.1	46.1	43.8	41.4	38.9	36.1	33.1	30.4	28.7	26.9
-30°	42.1	40.6	38.9	36.9	34.7	32.2	30.2	28.8	27.2	25.6	23.9
-31.25°	34.9	33.5	31.9	30.4	29.4	28.2	26.9	25.5	24.1	22.9	21.7
-32.5°	29.4	28.7	27.9	27.0	26.0	24.8	23.6	22.7	21.8	20.8	19.7
-33.75°	25.8	25.1	24.4	23.5	22.9	22.2	21.4	20.5	19.6	18.7	18.2
-35°	22.7	22.2	21.8	21.2	20.6	19.9	19.1	18.5	18.1	17.6	17.1
-36.25°	20.2	19.8	19.4	18.9	18.5	18.2	17.8	17.4	17.0	16.6	16.2
-37.5°	18.3	18.1	17.9	17.6	17.3	17.0	16.7	16.3	16.0	15.7	15.4
-38.75°	17.1	16.9	16.7	16.5	16.2	16.0	15.8	15.5	15.3	15.0	14.7
-40°	16.0	15.9	15.8	15.6	15.4	15.2	15.0	14.8	14.6	14.4	14.3
-41.25°	15.2	15.1	14.9	14.8	14.6	14.5	14.4	14.3	14.2	14.1	13.9
-42.5°	14.5	14.4	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.6
-43.75°	14.1	14.0	14.0	13.9	13.8	13.8	13.7	13.6	13.5	13.3	13.2
-45°	13.7	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.1	13.0	12.9
-46.25°	13.3	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7	12.6	12.5
-47.5°	12.9	12.9	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.2	12.2
-48.75°	12.5	12.5	12.4	12.4	12.3	12.2	12.2	12.2	12.2	12.2	12.2
-50°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
-51.25°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.9	11.8
-52.5°	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.6	11.5
-53.75°	11.7	11.7	11.6	11.6	11.5	11.5	11.4	11.3	11.3	11.2	11.1
-55°	11.3	11.3	11.3	11.2	11.2	11.1	11.0	11.0	10.9	10.8	10.7
-56.25°	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.5	10.4	10.4
-57.5°	10.5	10.5	10.5	10.4	10.4	10.3	10.3	10.2	10.1	10.1	10.0
-58.75°	10.1	10.1	10.1	10.0	10.0	9.9	9.9	9.8	9.8	9.7	9.6
-60°	9.7	9.7	9.7	9.6	9.6	9.5	9.5	9.4	9.3	9.3	9.2
-61.25°	9.3	9.3	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.8	8.8
-62.5°	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4
-63.75°	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0
-65°	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.6
-66.25°	7.7	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.3	7.3
-67.5°	7.3	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9	6.9
-68.75°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.5
-70°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
-71.25°	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8
-72.5°	5.7	5.7	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4
-73.75°	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.0
-75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-76.25°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-77.5°	4.9	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7
-80°	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1
-81.25°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7
-82.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-83.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
85°	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3
83.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
82.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
81.25°	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4
80°	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7
78.75°	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.2	3.2	3.1
77.5°	4.4	4.3	4.3	4.2	4.1	4.1	4.0	3.9	3.8	3.7	3.6
76.25°	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.6	4.5	4.4	4.3
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
73.75°	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	5.4	5.3	5.3	5.2	5.2	5.1	5.1	5.0	4.9	4.9	4.9
71.25°	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.1
70°	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5
68.75°	6.5	6.4	6.4	6.3	6.2	6.2	6.1	6.0	6.0	5.9	5.8
67.5°	6.8	6.8	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2	6.1
66.25°	7.2	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.6	6.5	6.5
65°	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8
63.75°	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.1
62.5°	8.3	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4
61.25°	8.7	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8
60°	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
58.75°	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4
57.5°	9.9	9.8	9.7	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.7
56.25°	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.2	9.1
55°	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.7	9.6	9.4
53.75°	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2	10.1	9.9	9.8
52.5°	11.4	11.3	11.2	11.0	10.9	10.8	10.7	10.5	10.4	10.2	10.1
51.25°	11.7	11.6	11.5	11.4	11.3	11.1	11.0	10.9	10.7	10.6	10.4
50°	12.1	12.0	11.9	11.7	11.6	11.5	11.3	11.2	11.0	10.9	10.7
48.75°	12.2	12.2	12.2	12.1	11.9	11.8	11.7	11.5	11.3	11.2	11.0
47.5°	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.8	11.7	11.5	11.3
46.25°	12.4	12.2	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.8	11.6
45°	12.7	12.6	12.5	12.3	12.2	12.2	12.2	12.2	12.2	12.1	11.9
43.75°	13.1	12.9	12.8	12.6	12.5	12.3	12.2	12.2	12.2	12.2	12.2
42.5°	13.4	13.3	13.1	13.0	12.8	12.6	12.5	12.3	12.2	12.2	12.2
41.25°	13.8	13.6	13.5	13.3	13.1	13.0	12.8	12.6	12.4	12.2	12.2
40°	14.1	14.0	13.8	13.6	13.5	13.3	13.1	12.9	12.7	12.5	12.3
38.75°	14.5	14.3	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6
37.5°	15.1	14.7	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1	12.8
36.25°	15.8	15.4	15.1	14.7	14.4	14.2	14.0	13.8	13.6	13.3	13.1
35°	16.6	16.1	15.7	15.3	14.9	14.5	14.3	14.1	13.9	13.6	13.4



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	17.6	17.1	16.5	16.0	15.6	15.1	14.6	14.4	14.1	13.9	13.6
32.5°	18.6	18.0	17.4	16.8	16.2	15.7	15.2	14.7	14.4	14.2	13.9
31.25°	20.6	19.3	18.4	17.7	17.1	16.4	15.8	15.3	14.8	14.4	14.2
30°	22.6	21.3	20.0	18.6	17.9	17.2	16.5	15.9	15.3	14.8	14.4
28.75°	25.0	23.2	21.8	20.4	18.9	18.1	17.3	16.5	15.9	15.3	14.7
27.5°	27.9	25.8	23.7	22.2	20.7	19.1	18.1	17.3	16.5	15.8	15.2
26.25°	30.7	28.6	26.4	24.1	22.4	20.8	19.1	18.1	17.2	16.4	15.7
25°	36.1	31.7	29.0	26.7	24.3	22.4	20.7	18.9	17.9	17.1	16.2
23.75°	41.6	37.0	32.3	29.2	26.7	24.1	22.2	20.4	18.6	17.7	16.8
22.5°	47.9	42.2	37.3	32.3	29.0	26.4	23.7	21.8	20.0	18.4	17.4
21.25°	57.9	48.4	42.2	37.0	31.7	28.6	25.8	23.2	21.3	19.3	18.0
20°	74.2	57.9	47.9	41.6	36.1	30.7	27.9	25.0	22.6	20.6	18.6
18.75°	105.0	73.0	55.8	46.3	40.3	34.6	29.8	26.9	23.9	21.7	19.7
17.5°	141.2	100.7	69.8	53.4	44.4	38.5	32.5	28.7	25.6	22.9	20.8
16.25°	173.7	132.7	92.0	64.4	50.1	42.2	36.1	30.4	27.2	24.1	21.8
15°	200.1	164.1	118.7	79.2	57.1	45.8	39.4	33.1	28.8	25.5	22.7
13.75°	219.6	189.8	148.4	101.6	68.0	51.3	42.6	36.1	30.2	26.9	23.6
12.5°	237.9	208.6	172.8	125.8	82.3	57.5	45.5	38.9	32.2	28.2	24.8
11.25°	254.9	224.8	194.1	150.3	100.8	66.4	50.0	41.4	34.7	29.4	26.0
10°	273.3	239.6	208.4	169.9	119.5	75.2	54.0	43.8	36.9	30.4	27.0
8.75°	293.5	252.9	221.0	186.5	138.6	89.6	59.9	46.1	38.9	31.9	27.9
7.5°	311.4	265.0	232.2	199.4	155.3	102.2	66.0	49.1	40.6	33.5	28.7
6.25°	326.9	279.6	241.8	208.5	167.5	113.6	71.2	51.7	42.1	34.9	29.4
5°	339.8	291.7	249.7	216.0	177.3	124.9	77.0	53.9	43.3	36.1	29.9
3.75°	349.9	301.2	256.0	221.9	185.0	133.8	83.6	55.8	44.3	37.0	30.3
2.5°	357.3	308.1	260.5	226.1	190.5	140.1	88.4	58.1	44.9	37.7	30.7
1.25°	361.7	312.3	263.2	228.7	193.9	143.9	91.2	59.5	45.4	38.1	30.8
0°	363.2	313.7	264.1	229.6	195.0	145.2	92.2	60.0	45.5	38.2	30.9
-1.25°	361.7	312.3	263.2	228.7	193.9	143.9	91.2	59.5	45.4	38.1	30.8
-2.5°	357.3	308.1	260.5	226.1	190.5	140.1	88.4	58.1	44.9	37.7	30.7
-3.75°	349.9	301.2	256.0	221.9	185.0	133.8	83.6	55.8	44.3	37.0	30.3
-5°	339.8	291.7	249.7	216.0	177.3	124.9	77.0	53.9	43.3	36.1	29.9
-6.25°	326.9	279.6	241.8	208.5	167.5	113.6	71.2	51.7	42.1	34.9	29.4
-7.5°	311.4	265.0	232.2	199.4	155.3	102.2	66.0	49.1	40.6	33.5	28.7
-8.75°	293.5	252.9	221.0	186.5	138.6	89.6	59.9	46.1	38.9	31.9	27.9
-10°	273.3	239.6	208.4	169.9	119.5	75.2	54.0	43.8	36.9	30.4	27.0
-11.25°	254.9	224.8	194.1	150.3	100.8	66.4	50.0	41.4	34.7	29.4	26.0
-12.5°	237.9	208.6	172.8	125.8	82.3	57.5	45.5	38.9	32.2	28.2	24.8
-13.75°	219.6	189.8	148.4	101.6	68.0	51.3	42.6	36.1	30.2	26.9	23.6
-15°	200.1	164.1	118.7	79.2	57.1	45.8	39.4	33.1	28.8	25.5	22.7
-16.25°	173.7	132.7	92.0	64.4	50.1	42.2	36.1	30.4	27.2	24.1	21.8
-17.5°	141.2	100.7	69.8	53.4	44.4	38.5	32.5	28.7	25.6	22.9	20.8
-18.75°	105.0	73.0	55.8	46.3	40.3	34.6	29.8	26.9	23.9	21.7	19.7
-20°	74.2	57.9	47.9	41.6	36.1	30.7	27.9	25.0	22.6	20.6	18.6
-21.25°	57.9	48.4	42.2	37.0	31.7	28.6	25.8	23.2	21.3	19.3	18.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	47.9	42.2	37.3	32.3	29.0	26.4	23.7	21.8	20.0	18.4	17.4
-23.75°	41.6	37.0	32.3	29.2	26.7	24.1	22.2	20.4	18.6	17.7	16.8
-25°	36.1	31.7	29.0	26.7	24.3	22.4	20.7	18.9	17.9	17.1	16.2
-26.25°	30.7	28.6	26.4	24.1	22.4	20.8	19.1	18.1	17.2	16.4	15.7
-27.5°	27.9	25.8	23.7	22.2	20.7	19.1	18.1	17.3	16.5	15.8	15.2
-28.75°	25.0	23.2	21.8	20.4	18.9	18.1	17.3	16.5	15.9	15.3	14.7
-30°	22.6	21.3	20.0	18.6	17.9	17.2	16.5	15.9	15.3	14.8	14.4
-31.25°	20.6	19.3	18.4	17.7	17.1	16.4	15.8	15.3	14.8	14.4	14.2
-32.5°	18.6	18.0	17.4	16.8	16.2	15.7	15.2	14.7	14.4	14.2	13.9
-33.75°	17.6	17.1	16.5	16.0	15.6	15.1	14.6	14.4	14.1	13.9	13.6
-35°	16.6	16.1	15.7	15.3	14.9	14.5	14.3	14.1	13.9	13.6	13.4
-36.25°	15.8	15.4	15.1	14.7	14.4	14.2	14.0	13.8	13.6	13.3	13.1
-37.5°	15.1	14.7	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1	12.8
-38.75°	14.5	14.3	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6
-40°	14.1	14.0	13.8	13.6	13.5	13.3	13.1	12.9	12.7	12.5	12.3
-41.25°	13.8	13.6	13.5	13.3	13.1	13.0	12.8	12.6	12.4	12.2	12.2
-42.5°	13.4	13.3	13.1	13.0	12.8	12.6	12.5	12.3	12.2	12.2	12.2
-43.75°	13.1	12.9	12.8	12.6	12.5	12.3	12.2	12.2	12.2	12.2	12.2
-45°	12.7	12.6	12.5	12.3	12.2	12.2	12.2	12.2	12.2	12.1	11.9
-46.25°	12.4	12.2	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.8	11.6
-47.5°	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.8	11.7	11.5	11.3
-48.75°	12.2	12.2	12.2	12.1	11.9	11.8	11.7	11.5	11.3	11.2	11.0
-50°	12.1	12.0	11.9	11.7	11.6	11.5	11.3	11.2	11.0	10.9	10.7
-51.25°	11.7	11.6	11.5	11.4	11.3	11.1	11.0	10.9	10.7	10.6	10.4
-52.5°	11.4	11.3	11.2	11.0	10.9	10.8	10.7	10.5	10.4	10.2	10.1
-53.75°	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2	10.1	9.9	9.8
-55°	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.7	9.6	9.4
-56.25°	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.2	9.1
-57.5°	9.9	9.8	9.7	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.7
-58.75°	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4
-60°	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
-61.25°	8.7	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8
-62.5°	8.3	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4
-63.75°	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.1
-65°	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8
-66.25°	7.2	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.6	6.5	6.5
-67.5°	6.8	6.8	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2	6.1
-68.75°	6.5	6.4	6.4	6.3	6.2	6.2	6.1	6.0	6.0	5.9	5.8
-70°	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5
-71.25°	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.1
-72.5°	5.4	5.3	5.3	5.2	5.2	5.1	5.1	5.0	4.9	4.9	4.9
-73.75°	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-76.25°	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.6	4.5	4.4	4.3
-77.5°	4.4	4.3	4.3	4.2	4.1	4.1	4.0	3.9	3.8	3.7	3.6



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.2	3.2	3.1
-80°	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7
-81.25°	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4
-82.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
-83.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
-85°	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3
-86.25°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	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



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
85°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
83.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
82.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
81.25°	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
80°	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
78.75°	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.6	2.5
77.5°	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0	2.9	2.9	2.8
76.25°	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.1
75°	4.9	4.7	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.6	3.5
73.75°	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.5	4.4	4.2	4.0
72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.6
71.25°	5.1	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
70°	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.9	4.9	4.9	4.9
68.75°	5.7	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.9
67.5°	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1	5.0
66.25°	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6	5.5	5.4	5.3
65°	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.8	5.7	5.5
63.75°	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.1	5.9	5.8
62.5°	7.3	7.2	7.1	7.0	6.9	6.7	6.6	6.5	6.3	6.2	6.1
61.25°	7.6	7.5	7.4	7.3	7.2	7.0	6.9	6.7	6.6	6.5	6.3
60°	8.0	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7	6.6
58.75°	8.3	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1	7.0	6.8
57.5°	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.6	7.4	7.2	7.1
56.25°	8.9	8.8	8.6	8.5	8.3	8.2	8.0	7.8	7.7	7.5	7.3
55°	9.3	9.1	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.8	7.6
53.75°	9.6	9.4	9.3	9.1	8.9	8.7	8.5	8.4	8.2	8.0	7.8
52.5°	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.3	8.1
51.25°	10.2	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.3
50°	10.5	10.4	10.2	10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.5
48.75°	10.8	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.8
47.5°	11.1	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.0
46.25°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.5	9.3
45°	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.0	9.8	9.5
43.75°	12.0	11.8	11.6	11.4	11.2	11.0	10.7	10.5	10.3	10.0	9.8
42.5°	12.2	12.1	11.9	11.7	11.4	11.2	11.0	10.7	10.5	10.3	10.0
41.25°	12.2	12.2	12.1	11.9	11.7	11.5	11.2	11.0	10.7	10.5	10.2
40°	12.2	12.2	12.2	12.2	11.9	11.7	11.5	11.2	11.0	10.7	10.4
38.75°	12.3	12.2	12.2	12.2	12.2	11.9	11.7	11.4	11.2	10.9	10.6
37.5°	12.6	12.4	12.2	12.2	12.2	12.2	11.9	11.7	11.4	11.1	10.8
36.25°	12.9	12.6	12.4	12.2	12.2	12.2	12.1	11.9	11.6	11.3	11.0
35°	13.1	12.9	12.6	12.4	12.2	12.2	12.2	12.1	11.8	11.5	11.2



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	13.4	13.1	12.9	12.6	12.3	12.2	12.2	12.2	12.0	11.7	11.4
32.5°	13.6	13.4	13.1	12.8	12.6	12.3	12.2	12.2	12.2	11.9	11.6
31.25°	13.9	13.6	13.3	13.1	12.8	12.5	12.2	12.2	12.2	12.1	11.8
30°	14.1	13.9	13.6	13.3	13.0	12.7	12.4	12.2	12.2	12.2	12.0
28.75°	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.2	12.2	12.1
27.5°	14.6	14.3	14.0	13.7	13.4	13.1	12.8	12.5	12.2	12.2	12.2
26.25°	15.1	14.5	14.2	13.9	13.6	13.3	13.0	12.6	12.3	12.2	12.2
25°	15.6	14.9	14.4	14.1	13.8	13.5	13.1	12.8	12.5	12.2	12.2
23.75°	16.0	15.3	14.7	14.3	14.0	13.6	13.3	13.0	12.6	12.3	12.2
22.5°	16.5	15.7	15.1	14.5	14.2	13.8	13.5	13.1	12.8	12.5	12.2
21.25°	17.1	16.1	15.4	14.7	14.3	14.0	13.6	13.3	12.9	12.6	12.2
20°	17.6	16.6	15.8	15.1	14.5	14.1	13.8	13.4	13.1	12.7	12.4
18.75°	18.2	17.1	16.2	15.4	14.7	14.3	13.9	13.6	13.2	12.9	12.5
17.5°	18.7	17.6	16.6	15.7	15.0	14.4	14.1	13.7	13.3	13.0	12.6
16.25°	19.6	18.1	17.0	16.0	15.3	14.6	14.2	13.8	13.5	13.1	12.7
15°	20.5	18.5	17.4	16.3	15.5	14.8	14.3	13.9	13.6	13.2	12.8
13.75°	21.4	19.1	17.8	16.7	15.8	15.0	14.4	14.0	13.7	13.3	12.9
12.5°	22.2	19.9	18.2	17.0	16.0	15.2	14.5	14.1	13.8	13.4	13.0
11.25°	22.9	20.6	18.5	17.3	16.2	15.4	14.6	14.2	13.8	13.5	13.1
10°	23.5	21.2	18.9	17.6	16.5	15.6	14.8	14.3	13.9	13.5	13.1
8.75°	24.4	21.8	19.4	17.9	16.7	15.8	14.9	14.4	14.0	13.6	13.2
7.5°	25.1	22.2	19.8	18.1	16.9	15.9	15.1	14.4	14.0	13.6	13.3
6.25°	25.8	22.7	20.2	18.3	17.1	16.0	15.2	14.5	14.1	13.7	13.3
5°	26.3	23.0	20.6	18.4	17.2	16.1	15.3	14.5	14.1	13.7	13.3
3.75°	26.7	23.3	20.8	18.5	17.4	16.2	15.4	14.6	14.2	13.8	13.4
2.5°	27.0	23.4	21.0	18.6	17.4	16.3	15.4	14.6	14.2	13.8	13.4
1.25°	27.2	23.6	21.1	18.7	17.5	16.3	15.4	14.6	14.2	13.8	13.4
0°	27.3	23.6	21.2	18.7	17.5	16.3	15.5	14.6	14.2	13.8	13.4
-1.25°	27.2	23.6	21.1	18.7	17.5	16.3	15.4	14.6	14.2	13.8	13.4
-2.5°	27.0	23.4	21.0	18.6	17.4	16.3	15.4	14.6	14.2	13.8	13.4
-3.75°	26.7	23.3	20.8	18.5	17.4	16.2	15.4	14.6	14.2	13.8	13.4
-5°	26.3	23.0	20.6	18.4	17.2	16.1	15.3	14.5	14.1	13.7	13.3
-6.25°	25.8	22.7	20.2	18.3	17.1	16.0	15.2	14.5	14.1	13.7	13.3
-7.5°	25.1	22.2	19.8	18.1	16.9	15.9	15.1	14.4	14.0	13.6	13.3
-8.75°	24.4	21.8	19.4	17.9	16.7	15.8	14.9	14.4	14.0	13.6	13.2
-10°	23.5	21.2	18.9	17.6	16.5	15.6	14.8	14.3	13.9	13.5	13.1
-11.25°	22.9	20.6	18.5	17.3	16.2	15.4	14.6	14.2	13.8	13.5	13.1
-12.5°	22.2	19.9	18.2	17.0	16.0	15.2	14.5	14.1	13.8	13.4	13.0
-13.75°	21.4	19.1	17.8	16.7	15.8	15.0	14.4	14.0	13.7	13.3	12.9
-15°	20.5	18.5	17.4	16.3	15.5	14.8	14.3	13.9	13.6	13.2	12.8
-16.25°	19.6	18.1	17.0	16.0	15.3	14.6	14.2	13.8	13.5	13.1	12.7
-17.5°	18.7	17.6	16.6	15.7	15.0	14.4	14.1	13.7	13.3	13.0	12.6
-18.75°	18.2	17.1	16.2	15.4	14.7	14.3	13.9	13.6	13.2	12.9	12.5
-20°	17.6	16.6	15.8	15.1	14.5	14.1	13.8	13.4	13.1	12.7	12.4
-21.25°	17.1	16.1	15.4	14.7	14.3	14.0	13.6	13.3	12.9	12.6	12.2



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	16.5	15.7	15.1	14.5	14.2	13.8	13.5	13.1	12.8	12.5	12.2
-23.75°	16.0	15.3	14.7	14.3	14.0	13.6	13.3	13.0	12.6	12.3	12.2
-25°	15.6	14.9	14.4	14.1	13.8	13.5	13.1	12.8	12.5	12.2	12.2
-26.25°	15.1	14.5	14.2	13.9	13.6	13.3	13.0	12.6	12.3	12.2	12.2
-27.5°	14.6	14.3	14.0	13.7	13.4	13.1	12.8	12.5	12.2	12.2	12.2
-28.75°	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.2	12.2	12.1
-30°	14.1	13.9	13.6	13.3	13.0	12.7	12.4	12.2	12.2	12.2	12.0
-31.25°	13.9	13.6	13.3	13.1	12.8	12.5	12.2	12.2	12.2	12.1	11.8
-32.5°	13.6	13.4	13.1	12.8	12.6	12.3	12.2	12.2	12.2	11.9	11.6
-33.75°	13.4	13.1	12.9	12.6	12.3	12.2	12.2	12.2	12.0	11.7	11.4
-35°	13.1	12.9	12.6	12.4	12.2	12.2	12.2	12.1	11.8	11.5	11.2
-36.25°	12.9	12.6	12.4	12.2	12.2	12.2	12.1	11.9	11.6	11.3	11.0
-37.5°	12.6	12.4	12.2	12.2	12.2	12.2	11.9	11.7	11.4	11.1	10.8
-38.75°	12.3	12.2	12.2	12.2	12.2	11.9	11.7	11.4	11.2	10.9	10.6
-40°	12.2	12.2	12.2	12.2	11.9	11.7	11.5	11.2	11.0	10.7	10.4
-41.25°	12.2	12.2	12.1	11.9	11.7	11.5	11.2	11.0	10.7	10.5	10.2
-42.5°	12.2	12.1	11.9	11.7	11.4	11.2	11.0	10.7	10.5	10.3	10.0
-43.75°	12.0	11.8	11.6	11.4	11.2	11.0	10.7	10.5	10.3	10.0	9.8
-45°	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.0	9.8	9.5
-46.25°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.5	9.3
-47.5°	11.1	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.0
-48.75°	10.8	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.8
-50°	10.5	10.4	10.2	10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.5
-51.25°	10.2	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.3
-52.5°	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.3	8.1
-53.75°	9.6	9.4	9.3	9.1	8.9	8.7	8.5	8.4	8.2	8.0	7.8
-55°	9.3	9.1	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.8	7.6
-56.25°	8.9	8.8	8.6	8.5	8.3	8.2	8.0	7.8	7.7	7.5	7.3
-57.5°	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.6	7.4	7.2	7.1
-58.75°	8.3	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1	7.0	6.8
-60°	8.0	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7	6.6
-61.25°	7.6	7.5	7.4	7.3	7.2	7.0	6.9	6.7	6.6	6.5	6.3
-62.5°	7.3	7.2	7.1	7.0	6.9	6.7	6.6	6.5	6.3	6.2	6.1
-63.75°	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.1	5.9	5.8
-65°	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.8	5.7	5.5
-66.25°	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6	5.5	5.4	5.3
-67.5°	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1	5.0
-68.75°	5.7	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.9
-70°	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.9	4.9	4.9	4.9
-71.25°	5.1	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.6
-73.75°	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.5	4.4	4.2	4.0
-75°	4.9	4.7	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.6	3.5
-76.25°	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.1
-77.5°	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0	2.9	2.9	2.8



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.6	2.5
-80°	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
-81.25°	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
-82.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
-83.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
-85°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-86.25°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
85°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
83.75°	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
82.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
81.25°	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.4
80°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
78.75°	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
77.5°	2.7	2.7	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
76.25°	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.3	2.2
75°	3.3	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4
73.75°	3.9	3.7	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6
72.5°	4.4	4.2	4.0	3.8	3.7	3.5	3.3	3.2	3.0	2.9	2.8
71.25°	4.9	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.2	3.0
70°	4.9	4.9	4.9	4.8	4.6	4.4	4.1	3.9	3.7	3.4	3.2
68.75°	4.9	4.9	4.9	4.9	4.9	4.8	4.6	4.3	4.1	3.8	3.6
67.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.5	4.2	4.0
66.25°	5.2	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.6	4.3
65°	5.4	5.3	5.1	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.7
63.75°	5.7	5.5	5.4	5.2	5.1	5.0	4.9	4.9	4.9	4.9	4.9
62.5°	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.9	4.9	4.9
61.25°	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.1	4.9	4.9	4.9
60°	6.4	6.3	6.1	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.9
58.75°	6.7	6.5	6.3	6.2	6.0	5.8	5.6	5.5	5.3	5.1	4.9
57.5°	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.7	5.5	5.3	5.1
56.25°	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.9	5.7	5.5	5.3
55°	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4
53.75°	7.6	7.4	7.2	7.1	6.9	6.6	6.4	6.2	6.0	5.8	5.6
52.5°	7.9	7.7	7.5	7.3	7.1	6.9	6.6	6.4	6.2	6.0	5.8
51.25°	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.2	5.9
50°	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.8	6.6	6.3	6.1
48.75°	8.6	8.3	8.1	7.9	7.7	7.4	7.2	7.0	6.7	6.5	6.3
47.5°	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.4
46.25°	9.0	8.8	8.5	8.3	8.1	7.8	7.6	7.3	7.1	6.8	6.6
45°	9.3	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.2	7.0	6.7
43.75°	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.9
42.5°	9.8	9.5	9.2	8.9	8.6	8.4	8.1	7.8	7.6	7.3	7.0
41.25°	10.0	9.7	9.4	9.1	8.8	8.5	8.3	8.0	7.7	7.4	7.2
40°	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.2	7.9	7.6	7.3
38.75°	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.4
37.5°	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6
36.25°	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3	8.0	7.7
35°	11.0	10.7	10.4	10.1	9.8	9.4	9.1	8.8	8.5	8.1	7.8



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3	8.0
32.5°	11.3	11.0	10.7	10.4	10.1	9.8	9.4	9.1	8.7	8.4	8.1
31.25°	11.5	11.2	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.5	8.2
30°	11.7	11.3	11.0	10.7	10.4	10.1	9.7	9.4	9.0	8.6	8.3
28.75°	11.8	11.5	11.2	10.9	10.5	10.2	9.9	9.5	9.1	8.8	8.4
27.5°	12.0	11.7	11.3	11.0	10.7	10.3	10.0	9.6	9.2	8.9	8.5
26.25°	12.1	11.8	11.5	11.1	10.8	10.4	10.1	9.8	9.4	9.0	8.6
25°	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.5	9.1	8.7
23.75°	12.2	12.1	11.7	11.4	11.0	10.7	10.3	10.0	9.6	9.2	8.8
22.5°	12.2	12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.3	8.9
21.25°	12.2	12.2	12.0	11.6	11.3	10.9	10.5	10.2	9.8	9.4	9.0
20°	12.2	12.2	12.1	11.7	11.4	11.0	10.6	10.3	9.9	9.5	9.1
18.75°	12.2	12.2	12.2	11.8	11.5	11.1	10.7	10.4	10.0	9.6	9.2
17.5°	12.2	12.2	12.2	11.9	11.6	11.2	10.8	10.4	10.1	9.7	9.3
16.25°	12.3	12.2	12.2	12.0	11.6	11.3	10.9	10.5	10.1	9.8	9.3
15°	12.4	12.2	12.2	12.1	11.7	11.3	11.0	10.6	10.2	9.8	9.4
13.75°	12.5	12.2	12.2	12.2	11.8	11.4	11.0	10.7	10.3	9.9	9.5
12.5°	12.6	12.2	12.2	12.2	11.9	11.5	11.1	10.7	10.3	9.9	9.5
11.25°	12.7	12.3	12.2	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.6
10°	12.7	12.4	12.2	12.2	12.0	11.6	11.2	10.8	10.4	10.0	9.6
8.75°	12.8	12.4	12.2	12.2	12.0	11.6	11.3	10.9	10.5	10.1	9.7
7.5°	12.9	12.5	12.2	12.2	12.1	11.7	11.3	10.9	10.5	10.1	9.7
6.25°	12.9	12.5	12.2	12.2	12.1	11.7	11.3	10.9	10.5	10.1	9.7
5°	12.9	12.5	12.2	12.2	12.1	11.7	11.4	11.0	10.6	10.2	9.8
3.75°	13.0	12.6	12.2	12.2	12.2	11.8	11.4	11.0	10.6	10.2	9.8
2.5°	13.0	12.6	12.2	12.2	12.2	11.8	11.4	11.0	10.6	10.2	9.8
1.25°	13.0	12.6	12.2	12.2	12.2	11.8	11.4	11.0	10.6	10.2	9.8
0°	13.0	12.6	12.2	12.2	12.2	11.8	11.4	11.0	10.6	10.2	9.8
-1.25°	13.0	12.6	12.2	12.2	12.2	11.8	11.4	11.0	10.6	10.2	9.8
-2.5°	13.0	12.6	12.2	12.2	12.2	11.8	11.4	11.0	10.6	10.2	9.8
-3.75°	13.0	12.6	12.2	12.2	12.2	11.8	11.4	11.0	10.6	10.2	9.8
-5°	12.9	12.5	12.2	12.2	12.1	11.7	11.4	11.0	10.6	10.2	9.8
-6.25°	12.9	12.5	12.2	12.2	12.1	11.7	11.3	10.9	10.5	10.1	9.7
-7.5°	12.9	12.5	12.2	12.2	12.1	11.7	11.3	10.9	10.5	10.1	9.7
-8.75°	12.8	12.4	12.2	12.2	12.0	11.6	11.3	10.9	10.5	10.1	9.7
-10°	12.7	12.4	12.2	12.2	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-11.25°	12.7	12.3	12.2	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.6
-12.5°	12.6	12.2	12.2	12.2	11.9	11.5	11.1	10.7	10.3	9.9	9.5
-13.75°	12.5	12.2	12.2	12.2	11.8	11.4	11.0	10.7	10.3	9.9	9.5
-15°	12.4	12.2	12.2	12.1	11.7	11.3	11.0	10.6	10.2	9.8	9.4
-16.25°	12.3	12.2	12.2	12.0	11.6	11.3	10.9	10.5	10.1	9.8	9.3
-17.5°	12.2	12.2	12.2	11.9	11.6	11.2	10.8	10.4	10.1	9.7	9.3
-18.75°	12.2	12.2	12.2	11.8	11.5	11.1	10.7	10.4	10.0	9.6	9.2
-20°	12.2	12.2	12.1	11.7	11.4	11.0	10.6	10.3	9.9	9.5	9.1
-21.25°	12.2	12.2	12.0	11.6	11.3	10.9	10.5	10.2	9.8	9.4	9.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	12.2	12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.3	8.9
-23.75°	12.2	12.1	11.7	11.4	11.0	10.7	10.3	10.0	9.6	9.2	8.8
-25°	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.5	9.1	8.7
-26.25°	12.1	11.8	11.5	11.1	10.8	10.4	10.1	9.8	9.4	9.0	8.6
-27.5°	12.0	11.7	11.3	11.0	10.7	10.3	10.0	9.6	9.2	8.9	8.5
-28.75°	11.8	11.5	11.2	10.9	10.5	10.2	9.9	9.5	9.1	8.8	8.4
-30°	11.7	11.3	11.0	10.7	10.4	10.1	9.7	9.4	9.0	8.6	8.3
-31.25°	11.5	11.2	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.5	8.2
-32.5°	11.3	11.0	10.7	10.4	10.1	9.8	9.4	9.1	8.7	8.4	8.1
-33.75°	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3	8.0
-35°	11.0	10.7	10.4	10.1	9.8	9.4	9.1	8.8	8.5	8.1	7.8
-36.25°	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3	8.0	7.7
-37.5°	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6
-38.75°	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.4
-40°	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.2	7.9	7.6	7.3
-41.25°	10.0	9.7	9.4	9.1	8.8	8.5	8.3	8.0	7.7	7.4	7.2
-42.5°	9.8	9.5	9.2	8.9	8.6	8.4	8.1	7.8	7.6	7.3	7.0
-43.75°	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.9
-45°	9.3	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.2	7.0	6.7
-46.25°	9.0	8.8	8.5	8.3	8.1	7.8	7.6	7.3	7.1	6.8	6.6
-47.5°	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.4
-48.75°	8.6	8.3	8.1	7.9	7.7	7.4	7.2	7.0	6.7	6.5	6.3
-50°	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.8	6.6	6.3	6.1
-51.25°	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.2	5.9
-52.5°	7.9	7.7	7.5	7.3	7.1	6.9	6.6	6.4	6.2	6.0	5.8
-53.75°	7.6	7.4	7.2	7.1	6.9	6.6	6.4	6.2	6.0	5.8	5.6
-55°	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4
-56.25°	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.9	5.7	5.5	5.3
-57.5°	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.7	5.5	5.3	5.1
-58.75°	6.7	6.5	6.3	6.2	6.0	5.8	5.6	5.5	5.3	5.1	4.9
-60°	6.4	6.3	6.1	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.9
-61.25°	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.1	4.9	4.9	4.9
-62.5°	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.9	4.9	4.9
-63.75°	5.7	5.5	5.4	5.2	5.1	5.0	4.9	4.9	4.9	4.9	4.9
-65°	5.4	5.3	5.1	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.7
-66.25°	5.2	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.6	4.3
-67.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.5	4.2	4.0
-68.75°	4.9	4.9	4.9	4.9	4.9	4.8	4.6	4.3	4.1	3.8	3.6
-70°	4.9	4.9	4.9	4.8	4.6	4.4	4.1	3.9	3.7	3.4	3.2
-71.25°	4.9	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.2	3.0
-72.5°	4.4	4.2	4.0	3.8	3.7	3.5	3.3	3.2	3.0	2.9	2.8
-73.75°	3.9	3.7	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-75°	3.3	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4
-76.25°	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.3	2.2
-77.5°	2.7	2.7	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-80°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
-81.25°	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.4
-82.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-83.75°	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
-85°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
83.75°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
82.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
81.25°	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8
80°	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	0.9
78.75°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
77.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
76.25°	2.1	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.2
75°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
73.75°	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5	1.4
72.5°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
71.25°	2.9	2.8	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7
70°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0	1.9	1.8
68.75°	3.3	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.9
67.5°	3.7	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.3	2.1	2.0
66.25°	4.0	3.8	3.5	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.1
65°	4.4	4.1	3.8	3.5	3.2	3.1	2.9	2.7	2.5	2.3	2.2
63.75°	4.8	4.4	4.1	3.8	3.5	3.2	3.0	2.8	2.6	2.5	2.3
62.5°	4.9	4.8	4.4	4.1	3.8	3.4	3.2	3.0	2.8	2.6	2.4
61.25°	4.9	4.9	4.8	4.4	4.0	3.7	3.3	3.1	2.9	2.7	2.5
60°	4.9	4.9	4.9	4.7	4.3	4.0	3.6	3.2	3.0	2.8	2.6
58.75°	4.9	4.9	4.9	4.9	4.6	4.2	3.8	3.4	3.2	2.9	2.7
57.5°	4.9	4.9	4.9	4.9	4.9	4.5	4.1	3.7	3.3	3.0	2.8
56.25°	5.1	4.9	4.9	4.9	4.9	4.8	4.3	3.9	3.5	3.2	2.9
55°	5.2	5.0	4.9	4.9	4.9	4.9	4.6	4.1	3.7	3.3	3.0
53.75°	5.4	5.2	5.0	4.9	4.9	4.9	4.8	4.4	3.9	3.5	3.1
52.5°	5.5	5.3	5.1	4.9	4.9	4.9	4.9	4.6	4.1	3.7	3.2
51.25°	5.7	5.5	5.2	5.0	4.9	4.9	4.9	4.8	4.3	3.8	3.4
50°	5.9	5.6	5.4	5.1	4.9	4.9	4.9	4.9	4.5	4.0	3.5
48.75°	6.0	5.8	5.5	5.3	5.0	4.9	4.9	4.9	4.7	4.2	3.7
47.5°	6.2	5.9	5.7	5.4	5.2	4.9	4.9	4.9	4.9	4.4	3.9
46.25°	6.3	6.1	5.8	5.5	5.3	5.0	4.9	4.9	4.9	4.6	4.0
45°	6.5	6.2	5.9	5.7	5.4	5.1	4.9	4.9	4.9	4.8	4.2
43.75°	6.6	6.3	6.1	5.8	5.5	5.2	5.0	4.9	4.9	4.9	4.4
42.5°	6.7	6.5	6.2	5.9	5.6	5.3	5.1	4.9	4.9	4.9	4.5
41.25°	6.9	6.6	6.3	6.0	5.7	5.5	5.2	4.9	4.9	4.9	4.7
40°	7.0	6.7	6.4	6.1	5.9	5.6	5.3	5.0	4.9	4.9	4.8
38.75°	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.9	4.9	4.9
37.5°	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.1	4.9	4.9	4.9
36.25°	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.2	4.9	4.9	4.9
35°	7.5	7.2	6.9	6.6	6.3	5.9	5.6	5.3	5.0	4.9	4.9



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.4	5.1	4.9	4.9
32.5°	7.8	7.4	7.1	6.8	6.5	6.1	5.8	5.5	5.1	4.9	4.9
31.25°	7.9	7.5	7.2	6.9	6.5	6.2	5.9	5.5	5.2	4.9	4.9
30°	8.0	7.6	7.3	7.0	6.6	6.3	6.0	5.6	5.3	4.9	4.9
28.75°	8.1	7.7	7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.9
27.5°	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.9
26.25°	8.3	7.9	7.6	7.2	6.9	6.5	6.2	5.8	5.5	5.1	4.9
25°	8.4	8.0	7.7	7.3	7.0	6.6	6.2	5.9	5.5	5.2	4.9
23.75°	8.5	8.1	7.7	7.4	7.0	6.7	6.3	5.9	5.6	5.2	4.9
22.5°	8.5	8.2	7.8	7.5	7.1	6.7	6.4	6.0	5.6	5.3	4.9
21.25°	8.6	8.3	7.9	7.5	7.2	6.8	6.4	6.0	5.7	5.3	4.9
20°	8.7	8.3	8.0	7.6	7.2	6.8	6.5	6.1	5.7	5.4	5.0
18.75°	8.8	8.4	8.0	7.6	7.3	6.9	6.5	6.1	5.8	5.4	5.0
17.5°	8.8	8.5	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.1
16.25°	8.9	8.5	8.1	7.8	7.4	7.0	6.6	6.2	5.9	5.5	5.1
15°	9.0	8.6	8.2	7.8	7.4	7.0	6.7	6.3	5.9	5.5	5.1
13.75°	9.0	8.6	8.2	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1
12.5°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.3	6.0	5.6	5.2
11.25°	9.1	8.7	8.3	7.9	7.5	7.2	6.8	6.4	6.0	5.6	5.2
10°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
8.75°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
7.5°	9.3	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.7	5.3
6.25°	9.3	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.7	5.3
5°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
3.75°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
2.5°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
1.25°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
0°	9.4	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-1.25°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-2.5°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-3.75°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-5°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-6.25°	9.3	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-7.5°	9.3	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.7	5.3
-8.75°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-10°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-11.25°	9.1	8.7	8.3	7.9	7.5	7.2	6.8	6.4	6.0	5.6	5.2
-12.5°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.3	6.0	5.6	5.2
-13.75°	9.0	8.6	8.2	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1
-15°	9.0	8.6	8.2	7.8	7.4	7.0	6.7	6.3	5.9	5.5	5.1
-16.25°	8.9	8.5	8.1	7.8	7.4	7.0	6.6	6.2	5.9	5.5	5.1
-17.5°	8.8	8.5	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.1
-18.75°	8.8	8.4	8.0	7.6	7.3	6.9	6.5	6.1	5.8	5.4	5.0
-20°	8.7	8.3	8.0	7.6	7.2	6.8	6.5	6.1	5.7	5.4	5.0
-21.25°	8.6	8.3	7.9	7.5	7.2	6.8	6.4	6.0	5.7	5.3	4.9



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	8.5	8.2	7.8	7.5	7.1	6.7	6.4	6.0	5.6	5.3	4.9
-23.75°	8.5	8.1	7.7	7.4	7.0	6.7	6.3	5.9	5.6	5.2	4.9
-25°	8.4	8.0	7.7	7.3	7.0	6.6	6.2	5.9	5.5	5.2	4.9
-26.25°	8.3	7.9	7.6	7.2	6.9	6.5	6.2	5.8	5.5	5.1	4.9
-27.5°	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.9
-28.75°	8.1	7.7	7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.9
-30°	8.0	7.6	7.3	7.0	6.6	6.3	6.0	5.6	5.3	4.9	4.9
-31.25°	7.9	7.5	7.2	6.9	6.5	6.2	5.9	5.5	5.2	4.9	4.9
-32.5°	7.8	7.4	7.1	6.8	6.5	6.1	5.8	5.5	5.1	4.9	4.9
-33.75°	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.4	5.1	4.9	4.9
-35°	7.5	7.2	6.9	6.6	6.3	5.9	5.6	5.3	5.0	4.9	4.9
-36.25°	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.2	4.9	4.9	4.9
-37.5°	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.1	4.9	4.9	4.9
-38.75°	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.9	4.9	4.9
-40°	7.0	6.7	6.4	6.1	5.9	5.6	5.3	5.0	4.9	4.9	4.8
-41.25°	6.9	6.6	6.3	6.0	5.7	5.5	5.2	4.9	4.9	4.9	4.7
-42.5°	6.7	6.5	6.2	5.9	5.6	5.3	5.1	4.9	4.9	4.9	4.5
-43.75°	6.6	6.3	6.1	5.8	5.5	5.2	5.0	4.9	4.9	4.9	4.4
-45°	6.5	6.2	5.9	5.7	5.4	5.1	4.9	4.9	4.9	4.8	4.2
-46.25°	6.3	6.1	5.8	5.5	5.3	5.0	4.9	4.9	4.9	4.6	4.0
-47.5°	6.2	5.9	5.7	5.4	5.2	4.9	4.9	4.9	4.9	4.4	3.9
-48.75°	6.0	5.8	5.5	5.3	5.0	4.9	4.9	4.9	4.7	4.2	3.7
-50°	5.9	5.6	5.4	5.1	4.9	4.9	4.9	4.9	4.5	4.0	3.5
-51.25°	5.7	5.5	5.2	5.0	4.9	4.9	4.9	4.8	4.3	3.8	3.4
-52.5°	5.5	5.3	5.1	4.9	4.9	4.9	4.9	4.6	4.1	3.7	3.2
-53.75°	5.4	5.2	5.0	4.9	4.9	4.9	4.8	4.4	3.9	3.5	3.1
-55°	5.2	5.0	4.9	4.9	4.9	4.9	4.6	4.1	3.7	3.3	3.0
-56.25°	5.1	4.9	4.9	4.9	4.9	4.8	4.3	3.9	3.5	3.2	2.9
-57.5°	4.9	4.9	4.9	4.9	4.9	4.5	4.1	3.7	3.3	3.0	2.8
-58.75°	4.9	4.9	4.9	4.9	4.6	4.2	3.8	3.4	3.2	2.9	2.7
-60°	4.9	4.9	4.9	4.7	4.3	4.0	3.6	3.2	3.0	2.8	2.6
-61.25°	4.9	4.9	4.8	4.4	4.0	3.7	3.3	3.1	2.9	2.7	2.5
-62.5°	4.9	4.8	4.4	4.1	3.8	3.4	3.2	3.0	2.8	2.6	2.4
-63.75°	4.8	4.4	4.1	3.8	3.5	3.2	3.0	2.8	2.6	2.5	2.3
-65°	4.4	4.1	3.8	3.5	3.2	3.1	2.9	2.7	2.5	2.3	2.2
-66.25°	4.0	3.8	3.5	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.1
-67.5°	3.7	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.3	2.1	2.0
-68.75°	3.3	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.9
-70°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0	1.9	1.8
-71.25°	2.9	2.8	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7
-72.5°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
-73.75°	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5	1.4
-75°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-76.25°	2.1	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.2
-77.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
-80°	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-81.25°	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8
-82.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
-83.75°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
-87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	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



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
80°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
78.75°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
77.5°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
76.25°	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
73.75°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
72.5°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
71.25°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
70°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
68.75°	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
67.5°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
66.25°	1.9	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
65°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
63.75°	2.1	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
62.5°	2.2	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
61.25°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.4
60°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
58.75°	2.5	2.3	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4
57.5°	2.6	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
56.25°	2.7	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.4
55°	2.8	2.5	2.3	2.1	1.8	1.6	1.4	1.1	0.9	0.7	0.5
53.75°	2.9	2.6	2.4	2.1	1.9	1.7	1.4	1.2	0.9	0.7	0.5
52.5°	3.0	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
51.25°	3.1	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.0	0.8	0.5
50°	3.1	2.9	2.6	2.3	2.1	1.8	1.5	1.3	1.0	0.8	0.5
48.75°	3.2	2.9	2.7	2.4	2.1	1.8	1.6	1.3	1.1	0.8	0.5
47.5°	3.3	3.0	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.8	0.5
46.25°	3.5	3.1	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
45°	3.6	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.8	0.6
43.75°	3.8	3.3	2.9	2.6	2.3	2.0	1.7	1.4	1.2	0.9	0.6
42.5°	3.9	3.4	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
41.25°	4.1	3.5	3.1	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
40°	4.2	3.6	3.1	2.8	2.5	2.1	1.8	1.5	1.2	0.9	0.6
38.75°	4.4	3.7	3.2	2.9	2.5	2.2	1.9	1.6	1.2	0.9	0.6
37.5°	4.5	3.9	3.3	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.6
36.25°	4.6	4.0	3.3	3.0	2.6	2.3	1.9	1.6	1.3	1.0	0.6
35°	4.7	4.1	3.4	3.0	2.6	2.3	2.0	1.6	1.3	1.0	0.7



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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°	4.9	4.2	3.5	3.1	2.7	2.3	2.0	1.7	1.3	1.0	0.7
32.5°	4.9	4.3	3.6	3.1	2.7	2.4	2.0	1.7	1.3	1.0	0.7
31.25°	4.9	4.4	3.7	3.2	2.8	2.4	2.1	1.7	1.4	1.0	0.7
30°	4.9	4.5	3.8	3.2	2.8	2.4	2.1	1.7	1.4	1.0	0.7
28.75°	4.9	4.6	3.9	3.2	2.9	2.5	2.1	1.8	1.4	1.1	0.7
27.5°	4.9	4.7	4.0	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
26.25°	4.9	4.8	4.1	3.3	2.9	2.5	2.2	1.8	1.4	1.1	0.7
25°	4.9	4.9	4.1	3.4	3.0	2.6	2.2	1.8	1.4	1.1	0.7
23.75°	4.9	4.9	4.2	3.5	3.0	2.6	2.2	1.8	1.5	1.1	0.7
22.5°	4.9	4.9	4.3	3.5	3.0	2.6	2.2	1.8	1.5	1.1	0.7
21.25°	4.9	4.9	4.3	3.6	3.1	2.6	2.2	1.9	1.5	1.1	0.7
20°	4.9	4.9	4.4	3.7	3.1	2.7	2.3	1.9	1.5	1.1	0.8
18.75°	4.9	4.9	4.5	3.7	3.1	2.7	2.3	1.9	1.5	1.1	0.8
17.5°	4.9	4.9	4.5	3.8	3.1	2.7	2.3	1.9	1.5	1.1	0.8
16.25°	4.9	4.9	4.6	3.8	3.2	2.7	2.3	1.9	1.5	1.2	0.8
15°	4.9	4.9	4.6	3.9	3.2	2.7	2.3	1.9	1.5	1.2	0.8
13.75°	4.9	4.9	4.7	3.9	3.2	2.8	2.3	1.9	1.6	1.2	0.8
12.5°	4.9	4.9	4.7	3.9	3.2	2.8	2.3	2.0	1.6	1.2	0.8
11.25°	4.9	4.9	4.7	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
10°	4.9	4.9	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
8.75°	4.9	4.9	4.8	4.0	3.3	2.8	2.4	2.0	1.6	1.2	0.8
7.5°	4.9	4.9	4.8	4.0	3.3	2.8	2.4	2.0	1.6	1.2	0.8
6.25°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
5°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
3.75°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
2.5°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
1.25°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
0°	4.9	4.9	4.9	4.1	3.3	2.9	2.4	2.0	1.6	1.2	0.8
-1.25°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
-2.5°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
-3.75°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
-5°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
-6.25°	4.9	4.9	4.9	4.1	3.3	2.8	2.4	2.0	1.6	1.2	0.8
-7.5°	4.9	4.9	4.8	4.0	3.3	2.8	2.4	2.0	1.6	1.2	0.8
-8.75°	4.9	4.9	4.8	4.0	3.3	2.8	2.4	2.0	1.6	1.2	0.8
-10°	4.9	4.9	4.8	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-11.25°	4.9	4.9	4.7	4.0	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-12.5°	4.9	4.9	4.7	3.9	3.2	2.8	2.3	2.0	1.6	1.2	0.8
-13.75°	4.9	4.9	4.7	3.9	3.2	2.8	2.3	1.9	1.6	1.2	0.8
-15°	4.9	4.9	4.6	3.9	3.2	2.7	2.3	1.9	1.5	1.2	0.8
-16.25°	4.9	4.9	4.6	3.8	3.2	2.7	2.3	1.9	1.5	1.2	0.8
-17.5°	4.9	4.9	4.5	3.8	3.1	2.7	2.3	1.9	1.5	1.1	0.8
-18.75°	4.9	4.9	4.5	3.7	3.1	2.7	2.3	1.9	1.5	1.1	0.8
-20°	4.9	4.9	4.4	3.7	3.1	2.7	2.3	1.9	1.5	1.1	0.8
-21.25°	4.9	4.9	4.3	3.6	3.1	2.6	2.2	1.9	1.5	1.1	0.7



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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°	4.9	4.9	4.3	3.5	3.0	2.6	2.2	1.8	1.5	1.1	0.7
-23.75°	4.9	4.9	4.2	3.5	3.0	2.6	2.2	1.8	1.5	1.1	0.7
-25°	4.9	4.9	4.1	3.4	3.0	2.6	2.2	1.8	1.4	1.1	0.7
-26.25°	4.9	4.8	4.1	3.3	2.9	2.5	2.2	1.8	1.4	1.1	0.7
-27.5°	4.9	4.7	4.0	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
-28.75°	4.9	4.6	3.9	3.2	2.9	2.5	2.1	1.8	1.4	1.1	0.7
-30°	4.9	4.5	3.8	3.2	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-31.25°	4.9	4.4	3.7	3.2	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-32.5°	4.9	4.3	3.6	3.1	2.7	2.4	2.0	1.7	1.3	1.0	0.7
-33.75°	4.9	4.2	3.5	3.1	2.7	2.3	2.0	1.7	1.3	1.0	0.7
-35°	4.7	4.1	3.4	3.0	2.6	2.3	2.0	1.6	1.3	1.0	0.7
-36.25°	4.6	4.0	3.3	3.0	2.6	2.3	1.9	1.6	1.3	1.0	0.6
-37.5°	4.5	3.9	3.3	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.6
-38.75°	4.4	3.7	3.2	2.9	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-40°	4.2	3.6	3.1	2.8	2.5	2.1	1.8	1.5	1.2	0.9	0.6
-41.25°	4.1	3.5	3.1	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-42.5°	3.9	3.4	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-43.75°	3.8	3.3	2.9	2.6	2.3	2.0	1.7	1.4	1.2	0.9	0.6
-45°	3.6	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.8	0.6
-46.25°	3.5	3.1	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
-47.5°	3.3	3.0	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.8	0.5
-48.75°	3.2	2.9	2.7	2.4	2.1	1.8	1.6	1.3	1.1	0.8	0.5
-50°	3.1	2.9	2.6	2.3	2.1	1.8	1.5	1.3	1.0	0.8	0.5
-51.25°	3.1	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.0	0.8	0.5
-52.5°	3.0	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
-53.75°	2.9	2.6	2.4	2.1	1.9	1.7	1.4	1.2	0.9	0.7	0.5
-55°	2.8	2.5	2.3	2.1	1.8	1.6	1.4	1.1	0.9	0.7	0.5
-56.25°	2.7	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.4
-57.5°	2.6	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
-58.75°	2.5	2.3	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4
-60°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-61.25°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.4
-62.5°	2.2	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
-63.75°	2.1	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
-65°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
-66.25°	1.9	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
-67.5°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-68.75°	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-70°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
-71.25°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
-72.5°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-73.75°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
-75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-76.25°	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2



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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°
-78.75°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-80°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.3	0.0
32.5°	0.3	0.0
31.25°	0.3	0.0
30°	0.3	0.0
28.75°	0.4	0.0
27.5°	0.4	0.0
26.25°	0.4	0.0
25°	0.4	0.0
23.75°	0.4	0.0
22.5°	0.4	0.0
21.25°	0.4	0.0
20°	0.4	0.0
18.75°	0.4	0.0
17.5°	0.4	0.0
16.25°	0.4	0.0
15°	0.4	0.0
13.75°	0.4	0.0
12.5°	0.4	0.0
11.25°	0.4	0.0
10°	0.4	0.0
8.75°	0.4	0.0
7.5°	0.4	0.0
6.25°	0.4	0.0
5°	0.4	0.0
3.75°	0.4	0.0
2.5°	0.4	0.0
1.25°	0.4	0.0
0°	0.4	0.0
-1.25°	0.4	0.0
-2.5°	0.4	0.0
-3.75°	0.4	0.0
-5°	0.4	0.0
-6.25°	0.4	0.0
-7.5°	0.4	0.0
-8.75°	0.4	0.0
-10°	0.4	0.0
-11.25°	0.4	0.0
-12.5°	0.4	0.0
-13.75°	0.4	0.0
-15°	0.4	0.0
-16.25°	0.4	0.0
-17.5°	0.4	0.0
-18.75°	0.4	0.0
-20°	0.4	0.0
-21.25°	0.4	0.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0.4	0.0
-23.75°	0.4	0.0
-25°	0.4	0.0
-26.25°	0.4	0.0
-27.5°	0.4	0.0
-28.75°	0.4	0.0
-30°	0.3	0.0
-31.25°	0.3	0.0
-32.5°	0.3	0.0
-33.75°	0.3	0.0
-35°	0.3	0.0
-36.25°	0.3	0.0
-37.5°	0.3	0.0
-38.75°	0.3	0.0
-40°	0.3	0.0
-41.25°	0.3	0.0
-42.5°	0.3	0.0
-43.75°	0.3	0.0
-45°	0.3	0.0
-46.25°	0.3	0.0
-47.5°	0.3	0.0
-48.75°	0.3	0.0
-50°	0.3	0.0
-51.25°	0.3	0.0
-52.5°	0.2	0.0
-53.75°	0.2	0.0
-55°	0.2	0.0
-56.25°	0.2	0.0
-57.5°	0.2	0.0
-58.75°	0.2	0.0
-60°	0.2	0.0
-61.25°	0.2	0.0
-62.5°	0.2	0.0
-63.75°	0.2	0.0
-65°	0.2	0.0
-66.25°	0.2	0.0
-67.5°	0.2	0.0
-68.75°	0.1	0.0
-70°	0.1	0.0
-71.25°	0.1	0.0
-72.5°	0.1	0.0
-73.75°	0.1	0.0
-75°	0.1	0.0
-76.25°	0.1	0.0
-77.5°	0.1	0.0



REPORT NUMBER: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)