

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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

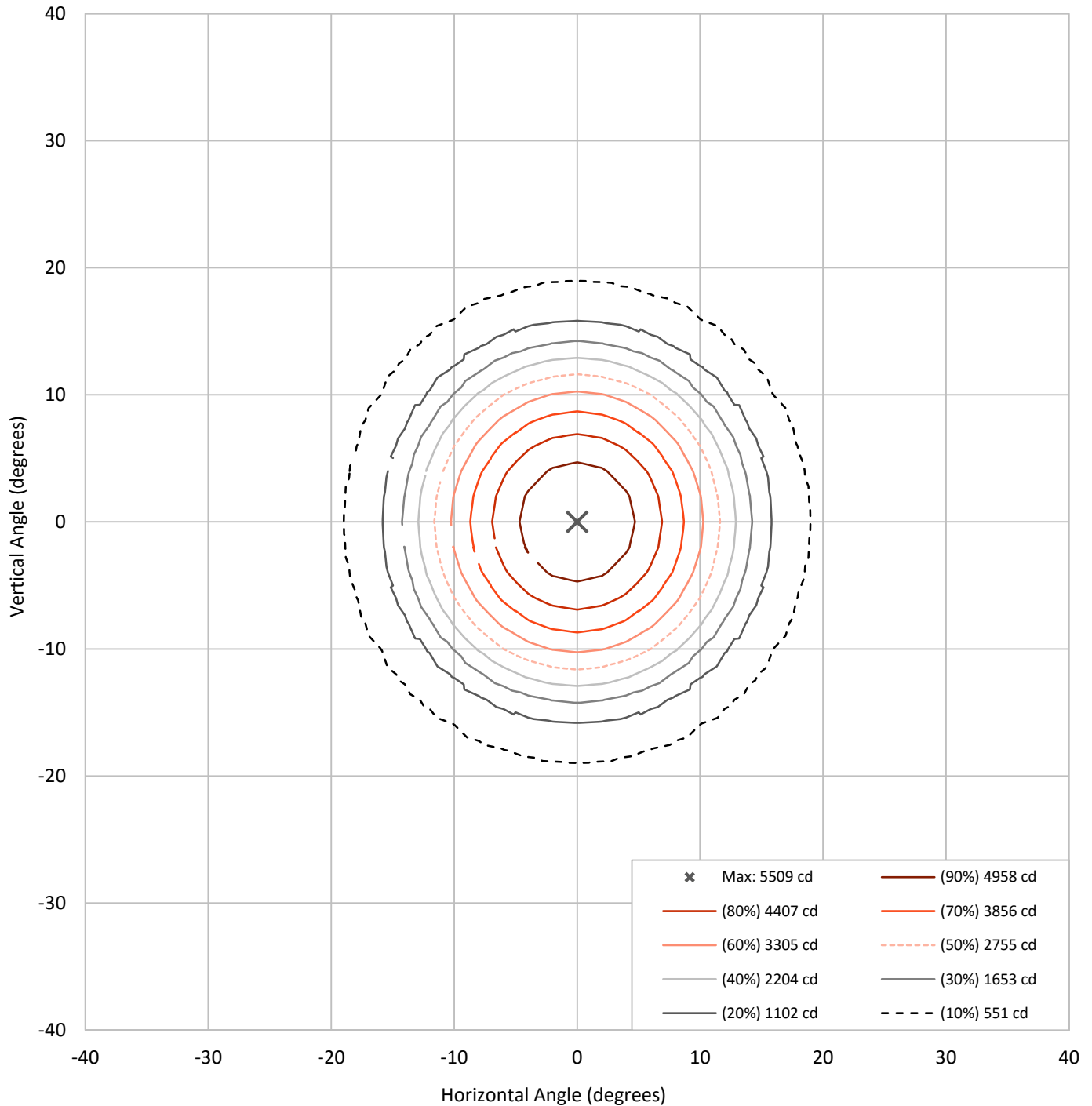
Test Method: LM-79-08
Report Number: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	983.5 lumens	Max Intensity:	5509 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.4 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:	526.8 lumens	Field Lumens:	797.1 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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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

Iso-Candela Plot





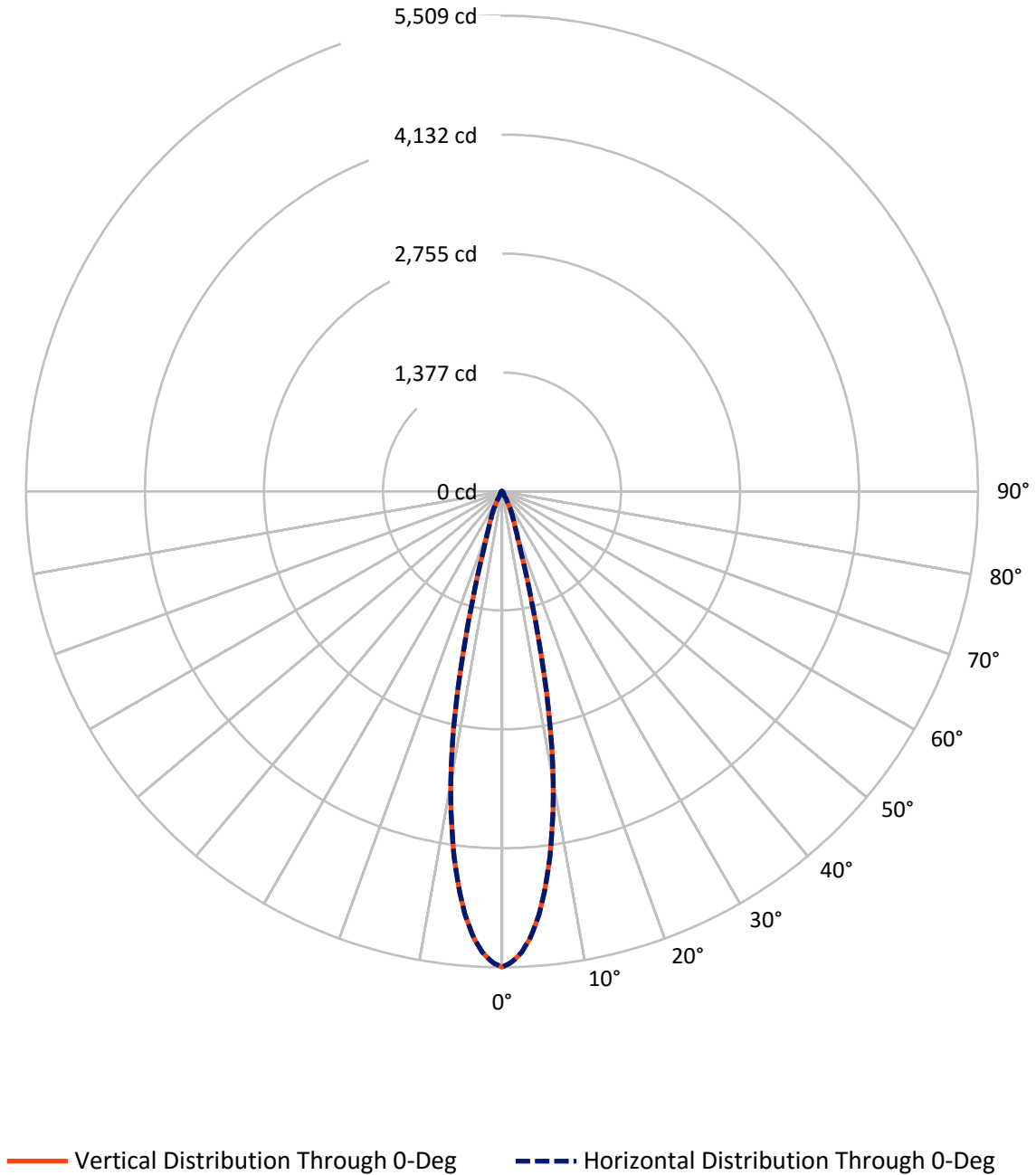
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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

Lumen Table

90	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										
80	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										
70	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1			
60		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				
50	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.1			
40		0.1	0.2	0.3	0.4	0.5	0.7	0.9	0.9	0.7	0.5	0.4	0.3	0.2	0.1				
30	0.1	0.1	0.2	0.3	0.5	0.9	3.0	6.3	6.3	3.0	0.9	0.5	0.3	0.2	0.1	0.1			
20		0.1	0.2	0.4	0.6	2.9	13.0	38.6	38.6	13.0	2.9	0.6	0.4	0.2	0.1				
10	0.1	0.1	0.2	0.4	0.8	5.8	37.7	123.6	123.6	37.7	5.8	0.8	0.4	0.2	0.1	0.1			
0		0.1	0.2	0.4	0.8	5.8	37.7	123.6	123.6	37.7	5.8	0.8	0.4	0.2	0.1				
-10	0.1	0.1	0.2	0.4	0.6	2.9	13.0	38.6	38.6	13.0	2.9	0.6	0.4	0.2	0.1	0.1			
-20		0.1	0.2	0.3	0.5	0.9	3.0	6.3	6.3	3.0	0.9	0.5	0.3	0.2	0.1				
-30	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.9	0.9	0.7	0.5	0.4	0.3	0.2	0.1	0.1			
-40		0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.3	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	0.1			
-60		0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1				
-70	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0							0.0			
-80		0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										
-90	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0							0.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

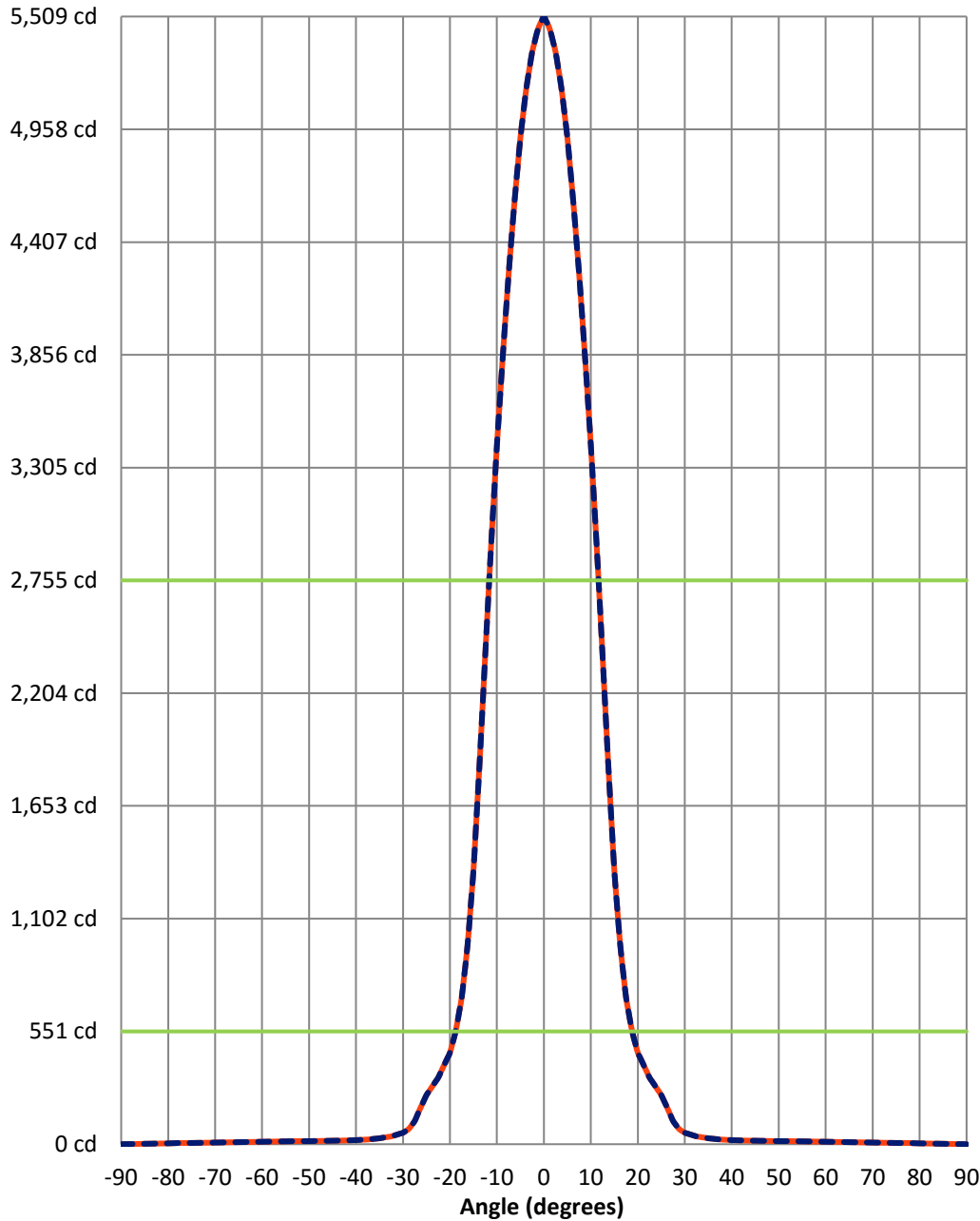
REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.3°
 V Angle: 23.3°
 Lumens: 526.8
 Efficiency: 53.6%

Field:
 H Angle: 37.5°
 V Angle: 37.5°
 Lumens: 797.1
 Efficiency: 81.0%

Spill:
 Lumens: 186.5
 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	0.1	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	0.2	0.2	0.2	0.2
86.25°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
83.75°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
82.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6
81.25°	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	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
78.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1
76.25°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2
75°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
73.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4
72.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.2	1.3	1.5
71.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
70°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
68.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8
67.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
66.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
65°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1
63.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.2
62.5°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
61.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.2	2.4
60°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.2	2.5
58.75°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
57.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.7
56.25°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
55°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9
53.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
52.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
51.25°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
50°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.2
48.75°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	3.3
47.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.4
46.25°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
45°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5
43.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6
42.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.7
41.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
40°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
38.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
37.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
36.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
35°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.2



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.3
32.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.4
31.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.5
30°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.5	3.9	4.6
28.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.8
27.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.5	4.0	4.9
26.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.1	5.0
25°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	5.1
23.75°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.7	4.2	5.1
22.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.2	3.7	4.3	5.2
21.25°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.3	3.7	4.4	5.3
20°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.3	3.8	4.5	5.4
18.75°	0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.8	4.5	5.5
17.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.6	5.5
16.25°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.8	4.6	5.6
15°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.9	4.7	5.7
13.75°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.9	4.7	5.7
12.5°	0.0	0.5	1.0	1.5	2.0	2.4	2.9	3.4	3.9	4.8	5.8
11.25°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.8	5.8
10°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.4	3.9	4.9	5.8
8.75°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.9	5.9
7.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.9	5.9
6.25°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.9	5.9
5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
3.75°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
2.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
1.25°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
0°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
-1.25°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
-2.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
-3.75°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
-5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
-6.25°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.9	5.9
-7.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.9	5.9
-8.75°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.9	5.9
-10°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.4	3.9	4.9	5.8
-11.25°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.8	5.8
-12.5°	0.0	0.5	1.0	1.5	2.0	2.4	2.9	3.4	3.9	4.8	5.8
-13.75°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.9	4.7	5.7
-15°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.9	4.7	5.7
-16.25°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.8	4.6	5.6
-17.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.6	5.5
-18.75°	0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.8	4.5	5.5
-20°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.3	3.8	4.5	5.4
-21.25°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.3	3.7	4.4	5.3



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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	0.5	0.9	1.4	1.8	2.3	2.8	3.2	3.7	4.3	5.2
-23.75°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.7	4.2	5.1
-25°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	5.1
-26.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.1	5.0
-27.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.5	4.0	4.9
-28.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.8
-30°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.5	3.9	4.6
-31.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.5
-32.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.4
-33.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.3
-35°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.2
-36.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-37.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-38.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
-40°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
-41.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
-42.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.7
-43.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6
-45°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5
-46.25°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
-47.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.4
-48.75°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	3.3
-50°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.2
-51.25°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-52.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-53.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-55°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9
-56.25°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
-57.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.7
-58.75°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
-60°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.2	2.5
-61.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.2	2.4
-62.5°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
-63.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.2
-65°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1
-66.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-67.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
-68.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8
-70°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-71.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
-72.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.2	1.3	1.5
-73.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4
-75°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
-76.25°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2
-77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-80°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-81.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-82.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6
-83.75°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-85°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-86.25°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-88.75°	0.0	0.0	0.0	0.0	0.0	0.1	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
86.25°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7
85°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
83.75°	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
82.5°	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3
81.25°	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.5
80°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
78.75°	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
77.5°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
76.25°	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4
75°	1.4	1.5	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.6
73.75°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7	2.8
72.5°	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.1
71.25°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3
70°	1.9	2.0	2.2	2.4	2.5	2.7	2.8	3.0	3.2	3.3	3.5
68.75°	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.5	3.7
67.5°	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9
66.25°	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.2
65°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.2	4.6
63.75°	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.2	4.6	5.0
62.5°	2.5	2.7	3.0	3.2	3.4	3.6	3.9	4.1	4.6	5.0	5.4
61.25°	2.6	2.9	3.1	3.3	3.6	3.8	4.0	4.5	4.9	5.4	5.8
60°	2.7	3.0	3.2	3.5	3.7	3.9	4.4	4.8	5.3	5.8	6.0
58.75°	2.8	3.1	3.3	3.6	3.8	4.2	4.7	5.2	5.6	6.0	6.0
57.5°	2.9	3.2	3.5	3.7	4.0	4.5	5.0	5.5	6.0	6.0	6.0
56.25°	3.0	3.3	3.6	3.8	4.2	4.8	5.3	5.8	6.0	6.0	6.0
55°	3.1	3.4	3.7	4.0	4.5	5.1	5.6	6.0	6.0	6.0	6.0
53.75°	3.2	3.5	3.8	4.2	4.8	5.3	5.9	6.0	6.0	6.0	6.1
52.5°	3.3	3.6	3.9	4.4	5.0	5.6	6.0	6.0	6.0	6.0	6.2
51.25°	3.4	3.7	4.1	4.7	5.3	5.9	6.0	6.0	6.0	6.1	6.4
50°	3.5	3.8	4.3	4.9	5.5	6.0	6.0	6.0	6.0	6.3	6.6
48.75°	3.6	3.9	4.5	5.1	5.8	6.0	6.0	6.0	6.2	6.5	6.8
47.5°	3.7	4.1	4.7	5.4	6.0	6.0	6.0	6.0	6.3	6.6	7.0
46.25°	3.8	4.2	4.9	5.6	6.0	6.0	6.0	6.1	6.5	6.8	7.1
45°	3.9	4.4	5.1	5.8	6.0	6.0	6.0	6.3	6.6	7.0	7.3
43.75°	4.0	4.6	5.3	6.0	6.0	6.0	6.1	6.4	6.8	7.1	7.5
42.5°	4.1	4.8	5.5	6.0	6.0	6.0	6.2	6.6	6.9	7.3	7.6
41.25°	4.2	5.0	5.7	6.0	6.0	6.0	6.3	6.7	7.1	7.4	7.8
40°	4.4	5.1	5.9	6.0	6.0	6.1	6.4	6.8	7.2	7.6	7.9
38.75°	4.5	5.3	6.0	6.0	6.0	6.2	6.6	6.9	7.3	7.7	8.1
37.5°	4.7	5.5	6.0	6.0	6.0	6.3	6.7	7.1	7.5	7.8	8.2
36.25°	4.8	5.6	6.0	6.0	6.0	6.4	6.8	7.2	7.6	8.0	8.4
35°	5.0	5.8	6.0	6.0	6.1	6.5	6.9	7.3	7.7	8.1	8.5



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	5.1	5.9	6.0	6.0	6.2	6.6	7.0	7.4	7.8	8.2	8.6
32.5°	5.3	6.0	6.0	6.0	6.3	6.7	7.1	7.5	7.9	8.4	8.8
31.25°	5.4	6.0	6.0	6.0	6.4	6.8	7.2	7.6	8.1	8.5	8.9
30°	5.5	6.0	6.0	6.0	6.5	6.9	7.3	7.7	8.2	8.6	9.0
28.75°	5.6	6.0	6.0	6.1	6.5	7.0	7.4	7.8	8.3	8.7	9.1
27.5°	5.7	6.0	6.0	6.2	6.6	7.1	7.5	7.9	8.4	8.8	9.2
26.25°	5.8	6.0	6.0	6.3	6.7	7.1	7.6	8.0	8.5	8.9	9.3
25°	6.0	6.0	6.0	6.3	6.8	7.2	7.7	8.1	8.6	9.0	9.5
23.75°	6.0	6.0	6.0	6.4	6.8	7.3	7.7	8.2	8.7	9.1	9.6
22.5°	6.0	6.0	6.0	6.5	6.9	7.4	7.8	8.3	8.7	9.2	9.6
21.25°	6.0	6.0	6.0	6.5	7.0	7.4	7.9	8.4	8.8	9.3	9.7
20°	6.0	6.0	6.1	6.6	7.0	7.5	8.0	8.4	8.9	9.4	9.8
18.75°	6.0	6.0	6.1	6.6	7.1	7.6	8.0	8.5	9.0	9.4	9.9
17.5°	6.0	6.0	6.2	6.7	7.1	7.6	8.1	8.6	9.0	9.5	10.0
16.25°	6.0	6.0	6.2	6.7	7.2	7.7	8.1	8.6	9.1	9.6	10.1
15°	6.0	6.0	6.3	6.8	7.2	7.7	8.2	8.7	9.2	9.6	10.1
13.75°	6.0	6.0	6.3	6.8	7.3	7.8	8.2	8.7	9.2	9.7	10.2
12.5°	6.0	6.0	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.7	10.2
11.25°	6.0	6.0	6.4	6.9	7.4	7.8	8.3	8.8	9.3	9.8	10.3
10°	6.0	6.0	6.4	6.9	7.4	7.9	8.4	8.9	9.3	9.8	10.3
8.75°	6.0	6.0	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
7.5°	6.0	6.0	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
6.25°	6.0	6.0	6.5	7.0	7.5	8.0	8.4	8.9	9.4	9.9	10.4
5°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
3.75°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
2.5°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
1.25°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
0°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
-1.25°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
-2.5°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
-3.75°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
-5°	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
-6.25°	6.0	6.0	6.5	7.0	7.5	8.0	8.4	8.9	9.4	9.9	10.4
-7.5°	6.0	6.0	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
-8.75°	6.0	6.0	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
-10°	6.0	6.0	6.4	6.9	7.4	7.9	8.4	8.9	9.3	9.8	10.3
-11.25°	6.0	6.0	6.4	6.9	7.4	7.8	8.3	8.8	9.3	9.8	10.3
-12.5°	6.0	6.0	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.7	10.2
-13.75°	6.0	6.0	6.3	6.8	7.3	7.8	8.2	8.7	9.2	9.7	10.2
-15°	6.0	6.0	6.3	6.8	7.2	7.7	8.2	8.7	9.2	9.6	10.1
-16.25°	6.0	6.0	6.2	6.7	7.2	7.7	8.1	8.6	9.1	9.6	10.1
-17.5°	6.0	6.0	6.2	6.7	7.1	7.6	8.1	8.6	9.0	9.5	10.0
-18.75°	6.0	6.0	6.1	6.6	7.1	7.6	8.0	8.5	9.0	9.4	9.9
-20°	6.0	6.0	6.1	6.6	7.0	7.5	8.0	8.4	8.9	9.4	9.8
-21.25°	6.0	6.0	6.0	6.5	7.0	7.4	7.9	8.4	8.8	9.3	9.7



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	6.0	6.0	6.0	6.5	6.9	7.4	7.8	8.3	8.7	9.2	9.6
-23.75°	6.0	6.0	6.0	6.4	6.8	7.3	7.7	8.2	8.7	9.1	9.6
-25°	6.0	6.0	6.0	6.3	6.8	7.2	7.7	8.1	8.6	9.0	9.5
-26.25°	5.8	6.0	6.0	6.3	6.7	7.1	7.6	8.0	8.5	8.9	9.3
-27.5°	5.7	6.0	6.0	6.2	6.6	7.1	7.5	7.9	8.4	8.8	9.2
-28.75°	5.6	6.0	6.0	6.1	6.5	7.0	7.4	7.8	8.3	8.7	9.1
-30°	5.5	6.0	6.0	6.0	6.5	6.9	7.3	7.7	8.2	8.6	9.0
-31.25°	5.4	6.0	6.0	6.0	6.4	6.8	7.2	7.6	8.1	8.5	8.9
-32.5°	5.3	6.0	6.0	6.0	6.3	6.7	7.1	7.5	7.9	8.4	8.8
-33.75°	5.1	5.9	6.0	6.0	6.2	6.6	7.0	7.4	7.8	8.2	8.6
-35°	5.0	5.8	6.0	6.0	6.1	6.5	6.9	7.3	7.7	8.1	8.5
-36.25°	4.8	5.6	6.0	6.0	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-37.5°	4.7	5.5	6.0	6.0	6.0	6.3	6.7	7.1	7.5	7.8	8.2
-38.75°	4.5	5.3	6.0	6.0	6.0	6.2	6.6	6.9	7.3	7.7	8.1
-40°	4.4	5.1	5.9	6.0	6.0	6.1	6.4	6.8	7.2	7.6	7.9
-41.25°	4.2	5.0	5.7	6.0	6.0	6.0	6.3	6.7	7.1	7.4	7.8
-42.5°	4.1	4.8	5.5	6.0	6.0	6.0	6.2	6.6	6.9	7.3	7.6
-43.75°	4.0	4.6	5.3	6.0	6.0	6.0	6.1	6.4	6.8	7.1	7.5
-45°	3.9	4.4	5.1	5.8	6.0	6.0	6.0	6.3	6.6	7.0	7.3
-46.25°	3.8	4.2	4.9	5.6	6.0	6.0	6.0	6.1	6.5	6.8	7.1
-47.5°	3.7	4.1	4.7	5.4	6.0	6.0	6.0	6.0	6.3	6.6	7.0
-48.75°	3.6	3.9	4.5	5.1	5.8	6.0	6.0	6.0	6.2	6.5	6.8
-50°	3.5	3.8	4.3	4.9	5.5	6.0	6.0	6.0	6.0	6.3	6.6
-51.25°	3.4	3.7	4.1	4.7	5.3	5.9	6.0	6.0	6.0	6.1	6.4
-52.5°	3.3	3.6	3.9	4.4	5.0	5.6	6.0	6.0	6.0	6.0	6.2
-53.75°	3.2	3.5	3.8	4.2	4.8	5.3	5.9	6.0	6.0	6.0	6.1
-55°	3.1	3.4	3.7	4.0	4.5	5.1	5.6	6.0	6.0	6.0	6.0
-56.25°	3.0	3.3	3.6	3.8	4.2	4.8	5.3	5.8	6.0	6.0	6.0
-57.5°	2.9	3.2	3.5	3.7	4.0	4.5	5.0	5.5	6.0	6.0	6.0
-58.75°	2.8	3.1	3.3	3.6	3.8	4.2	4.7	5.2	5.6	6.0	6.0
-60°	2.7	3.0	3.2	3.5	3.7	3.9	4.4	4.8	5.3	5.8	6.0
-61.25°	2.6	2.9	3.1	3.3	3.6	3.8	4.0	4.5	4.9	5.4	5.8
-62.5°	2.5	2.7	3.0	3.2	3.4	3.6	3.9	4.1	4.6	5.0	5.4
-63.75°	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.2	4.6	5.0
-65°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.2	4.6
-66.25°	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.2
-67.5°	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9
-68.75°	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.5	3.7
-70°	1.9	2.0	2.2	2.4	2.5	2.7	2.8	3.0	3.2	3.3	3.5
-71.25°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3
-72.5°	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.1
-73.75°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7	2.8
-75°	1.4	1.5	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.6
-76.25°	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-77.5°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-78.75°	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
-80°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
-81.25°	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.5
-82.5°	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3
-83.75°	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
-85°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-86.25°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7
-87.5°	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
-88.75°	0.1	0.1	0.1	0.2	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0
85°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
83.75°	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
82.5°	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9
81.25°	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2
80°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
78.75°	2.1	2.2	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9
77.5°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2
76.25°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
75°	2.7	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8
73.75°	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.3
72.5°	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.2	4.4	4.7	4.9
71.25°	3.4	3.6	3.7	3.8	4.0	4.2	4.5	4.8	5.0	5.3	5.5
70°	3.6	3.8	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.0
68.75°	3.9	4.0	4.4	4.7	5.0	5.3	5.6	5.9	6.0	6.0	6.0
67.5°	4.1	4.5	4.8	5.2	5.5	5.8	6.0	6.0	6.0	6.0	6.0
66.25°	4.6	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.0	6.0
65°	5.0	5.4	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.3
63.75°	5.4	5.8	6.0	6.0	6.0	6.0	6.0	6.1	6.2	6.4	6.6
62.5°	5.8	6.0	6.0	6.0	6.0	6.0	6.1	6.3	6.5	6.7	6.9
61.25°	6.0	6.0	6.0	6.0	6.0	6.2	6.4	6.6	6.8	7.0	7.2
60°	6.0	6.0	6.0	6.0	6.2	6.5	6.7	6.9	7.1	7.3	7.5
58.75°	6.0	6.0	6.0	6.2	6.5	6.7	6.9	7.1	7.4	7.6	7.8
57.5°	6.0	6.0	6.2	6.5	6.7	6.9	7.2	7.4	7.6	7.9	8.1
56.25°	6.0	6.2	6.5	6.7	6.9	7.2	7.4	7.7	7.9	8.1	8.4
55°	6.1	6.4	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.4	8.7
53.75°	6.3	6.6	6.9	7.1	7.4	7.7	7.9	8.2	8.4	8.7	8.9
52.5°	6.5	6.8	7.1	7.4	7.6	7.9	8.2	8.4	8.7	9.0	9.2
51.25°	6.7	7.0	7.3	7.6	7.9	8.1	8.4	8.7	9.0	9.2	9.5
50°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	8.9	9.2	9.5	9.8
48.75°	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.5	9.7	10.0
47.5°	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.3
46.25°	7.4	7.8	8.1	8.4	8.7	9.0	9.3	9.7	10.0	10.3	10.6
45°	7.6	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.5	10.8
43.75°	7.8	8.1	8.5	8.8	9.1	9.5	9.8	10.1	10.4	10.8	11.1
42.5°	8.0	8.3	8.7	9.0	9.3	9.7	10.0	10.3	10.7	11.0	11.3
41.25°	8.1	8.5	8.8	9.2	9.5	9.9	10.2	10.6	10.9	11.2	11.6
40°	8.3	8.6	9.0	9.4	9.7	10.1	10.4	10.8	11.1	11.5	11.8
38.75°	8.4	8.8	9.2	9.5	9.9	10.3	10.6	11.0	11.3	11.7	12.0
37.5°	8.6	9.0	9.3	9.7	10.1	10.5	10.8	11.2	11.6	11.9	12.3
36.25°	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.4	11.8	12.1	12.5
35°	8.9	9.3	9.7	10.1	10.4	10.8	11.2	11.6	12.0	12.3	12.7



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.5	12.9
32.5°	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.7	13.1
31.25°	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.3
30°	9.4	9.8	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.5
28.75°	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	12.9	13.3	13.7
27.5°	9.7	10.1	10.5	11.0	11.4	11.8	12.2	12.7	13.1	13.5	13.9
26.25°	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.8	13.2	13.7	14.1
25°	9.9	10.3	10.8	11.2	11.7	12.1	12.5	13.0	13.4	13.8	14.3
23.75°	10.0	10.4	10.9	11.3	11.8	12.2	12.7	13.1	13.5	14.0	14.4
22.5°	10.1	10.6	11.0	11.5	11.9	12.4	12.8	13.2	13.7	14.1	14.6
21.25°	10.2	10.7	11.1	11.6	12.0	12.5	12.9	13.4	13.8	14.3	14.7
20°	10.3	10.7	11.2	11.7	12.1	12.6	13.0	13.5	14.0	14.4	14.9
18.75°	10.4	10.8	11.3	11.8	12.2	12.7	13.2	13.6	14.1	14.5	15.0
17.5°	10.5	10.9	11.4	11.9	12.3	12.8	13.3	13.7	14.2	14.7	15.0
16.25°	10.5	11.0	11.5	11.9	12.4	12.9	13.4	13.8	14.3	14.8	15.0
15°	10.6	11.1	11.6	12.0	12.5	13.0	13.5	13.9	14.4	14.9	15.0
13.75°	10.7	11.1	11.6	12.1	12.6	13.1	13.5	14.0	14.5	15.0	15.0
12.5°	10.7	11.2	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.0	15.0
11.25°	10.8	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.0	15.0
10°	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.2	14.7	15.0	15.0
8.75°	10.9	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.0	15.0
7.5°	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.8	15.0	15.0
6.25°	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.0	15.0
5°	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.0	15.0
3.75°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.0	15.0
2.5°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.0	15.0
1.25°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.0	15.0
0°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.0	15.0
-1.25°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.0	15.0
-2.5°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.0	15.0
-3.75°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.0	15.0
-5°	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.0	15.0
-6.25°	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.0	15.0
-7.5°	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.8	15.0	15.0
-8.75°	10.9	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.0	15.0
-10°	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.2	14.7	15.0	15.0
-11.25°	10.8	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.0	15.0
-12.5°	10.7	11.2	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.0	15.0
-13.75°	10.7	11.1	11.6	12.1	12.6	13.1	13.5	14.0	14.5	15.0	15.0
-15°	10.6	11.1	11.6	12.0	12.5	13.0	13.5	13.9	14.4	14.9	15.0
-16.25°	10.5	11.0	11.5	11.9	12.4	12.9	13.4	13.8	14.3	14.8	15.0
-17.5°	10.5	10.9	11.4	11.9	12.3	12.8	13.3	13.7	14.2	14.7	15.0
-18.75°	10.4	10.8	11.3	11.8	12.2	12.7	13.2	13.6	14.1	14.5	15.0
-20°	10.3	10.7	11.2	11.7	12.1	12.6	13.0	13.5	14.0	14.4	14.9
-21.25°	10.2	10.7	11.1	11.6	12.0	12.5	12.9	13.4	13.8	14.3	14.7



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-22.5°	10.1	10.6	11.0	11.5	11.9	12.4	12.8	13.2	13.7	14.1	14.6
-23.75°	10.0	10.4	10.9	11.3	11.8	12.2	12.7	13.1	13.5	14.0	14.4
-25°	9.9	10.3	10.8	11.2	11.7	12.1	12.5	13.0	13.4	13.8	14.3
-26.25°	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.8	13.2	13.7	14.1
-27.5°	9.7	10.1	10.5	11.0	11.4	11.8	12.2	12.7	13.1	13.5	13.9
-28.75°	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	12.9	13.3	13.7
-30°	9.4	9.8	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.5
-31.25°	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.3
-32.5°	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.7	13.1
-33.75°	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.5	12.9
-35°	8.9	9.3	9.7	10.1	10.4	10.8	11.2	11.6	12.0	12.3	12.7
-36.25°	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.4	11.8	12.1	12.5
-37.5°	8.6	9.0	9.3	9.7	10.1	10.5	10.8	11.2	11.6	11.9	12.3
-38.75°	8.4	8.8	9.2	9.5	9.9	10.3	10.6	11.0	11.3	11.7	12.0
-40°	8.3	8.6	9.0	9.4	9.7	10.1	10.4	10.8	11.1	11.5	11.8
-41.25°	8.1	8.5	8.8	9.2	9.5	9.9	10.2	10.6	10.9	11.2	11.6
-42.5°	8.0	8.3	8.7	9.0	9.3	9.7	10.0	10.3	10.7	11.0	11.3
-43.75°	7.8	8.1	8.5	8.8	9.1	9.5	9.8	10.1	10.4	10.8	11.1
-45°	7.6	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.5	10.8
-46.25°	7.4	7.8	8.1	8.4	8.7	9.0	9.3	9.7	10.0	10.3	10.6
-47.5°	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.3
-48.75°	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.5	9.7	10.0
-50°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	8.9	9.2	9.5	9.8
-51.25°	6.7	7.0	7.3	7.6	7.9	8.1	8.4	8.7	9.0	9.2	9.5
-52.5°	6.5	6.8	7.1	7.4	7.6	7.9	8.2	8.4	8.7	9.0	9.2
-53.75°	6.3	6.6	6.9	7.1	7.4	7.7	7.9	8.2	8.4	8.7	8.9
-55°	6.1	6.4	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.4	8.7
-56.25°	6.0	6.2	6.5	6.7	6.9	7.2	7.4	7.7	7.9	8.1	8.4
-57.5°	6.0	6.0	6.2	6.5	6.7	6.9	7.2	7.4	7.6	7.9	8.1
-58.75°	6.0	6.0	6.0	6.2	6.5	6.7	6.9	7.1	7.4	7.6	7.8
-60°	6.0	6.0	6.0	6.0	6.2	6.5	6.7	6.9	7.1	7.3	7.5
-61.25°	6.0	6.0	6.0	6.0	6.0	6.2	6.4	6.6	6.8	7.0	7.2
-62.5°	5.8	6.0	6.0	6.0	6.0	6.0	6.1	6.3	6.5	6.7	6.9
-63.75°	5.4	5.8	6.0	6.0	6.0	6.0	6.0	6.1	6.2	6.4	6.6
-65°	5.0	5.4	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.3
-66.25°	4.6	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-67.5°	4.1	4.5	4.8	5.2	5.5	5.8	6.0	6.0	6.0	6.0	6.0
-68.75°	3.9	4.0	4.4	4.7	5.0	5.3	5.6	5.9	6.0	6.0	6.0
-70°	3.6	3.8	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.0
-71.25°	3.4	3.6	3.7	3.8	4.0	4.2	4.5	4.8	5.0	5.3	5.5
-72.5°	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.2	4.4	4.7	4.9
-73.75°	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.3
-75°	2.7	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8
-76.25°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
-77.5°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	2.1	2.2	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9
-80°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
-81.25°	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2
-82.5°	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9
-83.75°	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
-85°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
-86.25°	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0
-87.5°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.2	0.2	0.2	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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	0.4	0.4	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	0.8	0.8	0.8	0.8	0.8
86.25°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
85°	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
83.75°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
82.5°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4
81.25°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8
80°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
78.75°	3.0	3.0	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.6	3.6
77.5°	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0
76.25°	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.7	4.8
75°	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.5	5.6
73.75°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.0	6.0
72.5°	5.1	5.4	5.6	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0
71.25°	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.2	6.3	6.4
68.75°	6.0	6.0	6.0	6.0	6.1	6.2	6.3	6.4	6.6	6.7	6.8
67.5°	6.0	6.0	6.1	6.3	6.4	6.6	6.7	6.8	6.9	7.1	7.2
66.25°	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3	7.5	7.6
65°	6.5	6.6	6.8	7.0	7.1	7.3	7.4	7.6	7.7	7.8	8.0
63.75°	6.8	7.0	7.1	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4
62.5°	7.1	7.3	7.4	7.6	7.8	8.0	8.1	8.3	8.4	8.6	8.7
61.25°	7.4	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.8	9.0	9.1
60°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.2	9.3	9.5
58.75°	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9
57.5°	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3
56.25°	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.6
55°	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0
53.75°	9.2	9.4	9.7	9.9	10.1	10.3	10.6	10.8	11.0	11.2	11.4
52.5°	9.5	9.7	10.0	10.2	10.4	10.7	10.9	11.1	11.3	11.6	11.8
51.25°	9.7	10.0	10.3	10.5	10.8	11.0	11.2	11.5	11.7	11.9	12.1
50°	10.0	10.3	10.6	10.8	11.1	11.3	11.6	11.8	12.0	12.3	12.5
48.75°	10.3	10.6	10.9	11.1	11.4	11.6	11.9	12.1	12.4	12.6	12.8
47.5°	10.6	10.9	11.1	11.4	11.7	11.9	12.2	12.5	12.7	13.0	13.2
46.25°	10.9	11.1	11.4	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6
45°	11.1	11.4	11.7	12.0	12.3	12.6	12.8	13.1	13.4	13.6	13.9
43.75°	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.4	13.7	14.0	14.3
42.5°	11.6	11.9	12.3	12.6	12.9	13.2	13.5	13.8	14.0	14.3	14.6
41.25°	11.9	12.2	12.5	12.8	13.2	13.5	13.8	14.1	14.4	14.6	14.9
40°	12.1	12.5	12.8	13.1	13.4	13.8	14.1	14.4	14.7	15.0	15.0
38.75°	12.4	12.7	13.1	13.4	13.7	14.0	14.4	14.7	15.0	15.0	15.0
37.5°	12.6	13.0	13.3	13.6	14.0	14.3	14.6	15.0	15.0	15.0	15.0
36.25°	12.8	13.2	13.6	13.9	14.3	14.6	14.9	15.0	15.0	15.0	15.2
35°	13.1	13.4	13.8	14.2	14.5	14.9	15.0	15.0	15.0	15.2	15.5



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	13.3	13.7	14.0	14.4	14.8	15.0	15.0	15.0	15.2	15.5	15.8
32.5°	13.5	13.9	14.3	14.6	15.0	15.0	15.0	15.1	15.5	15.8	16.1
31.25°	13.7	14.1	14.5	14.9	15.0	15.0	15.0	15.4	15.7	16.1	16.4
30°	13.9	14.3	14.7	15.0	15.0	15.0	15.3	15.6	16.0	16.4	16.7
28.75°	14.1	14.5	14.9	15.0	15.0	15.1	15.5	15.9	16.3	16.6	17.0
27.5°	14.3	14.7	15.0	15.0	15.0	15.3	15.7	16.1	16.5	16.9	17.3
26.25°	14.5	14.9	15.0	15.0	15.2	15.6	16.0	16.4	16.8	17.1	17.5
25°	14.7	15.0	15.0	15.0	15.4	15.8	16.2	16.6	17.0	17.4	17.8
23.75°	14.8	15.0	15.0	15.1	15.6	16.0	16.4	16.8	17.2	17.6	18.1
22.5°	15.0	15.0	15.0	15.3	15.7	16.2	16.6	17.0	17.4	17.9	18.5
21.25°	15.0	15.0	15.1	15.5	15.9	16.4	16.8	17.2	17.6	18.1	19.0
20°	15.0	15.0	15.2	15.7	16.1	16.5	17.0	17.4	17.9	18.6	19.4
18.75°	15.0	15.0	15.4	15.8	16.3	16.7	17.2	17.6	18.1	19.0	19.8
17.5°	15.0	15.0	15.5	16.0	16.4	16.9	17.3	17.8	18.4	19.3	20.3
16.25°	15.0	15.2	15.6	16.1	16.6	17.0	17.5	17.9	18.8	19.7	20.9
15°	15.0	15.3	15.8	16.2	16.7	17.2	17.6	18.2	19.1	20.0	21.4
13.75°	15.0	15.4	15.9	16.4	16.8	17.3	17.8	18.5	19.4	20.5	21.9
12.5°	15.0	15.5	16.0	16.5	16.9	17.4	17.9	18.7	19.7	20.9	22.3
11.25°	15.1	15.6	16.1	16.6	17.0	17.5	18.0	19.0	19.9	21.3	22.7
10°	15.2	15.7	16.2	16.7	17.1	17.6	18.2	19.2	20.2	21.7	23.2
8.75°	15.3	15.8	16.2	16.7	17.2	17.7	18.4	19.4	20.5	22.0	23.8
7.5°	15.3	15.8	16.3	16.8	17.3	17.8	18.6	19.5	20.8	22.2	24.4
6.25°	15.4	15.9	16.4	16.9	17.4	17.9	18.7	19.7	21.0	22.5	24.9
5°	15.4	15.9	16.4	16.9	17.4	17.9	18.8	19.8	21.2	22.7	25.3
3.75°	15.5	16.0	16.5	17.0	17.4	17.9	18.9	19.9	21.3	22.8	25.6
2.5°	15.5	16.0	16.5	17.0	17.5	18.0	19.0	19.9	21.4	22.9	25.8
1.25°	15.5	16.0	16.5	17.0	17.5	18.0	19.0	20.0	21.5	23.0	26.0
0°	15.5	16.0	16.5	17.0	17.5	18.0	19.0	20.0	21.5	23.0	26.0
-1.25°	15.5	16.0	16.5	17.0	17.5	18.0	19.0	20.0	21.5	23.0	26.0
-2.5°	15.5	16.0	16.5	17.0	17.5	18.0	19.0	19.9	21.4	22.9	25.8
-3.75°	15.5	16.0	16.5	17.0	17.4	17.9	18.9	19.9	21.3	22.8	25.6
-5°	15.4	15.9	16.4	16.9	17.4	17.9	18.8	19.8	21.2	22.7	25.3
-6.25°	15.4	15.9	16.4	16.9	17.4	17.9	18.7	19.7	21.0	22.5	24.9
-7.5°	15.3	15.8	16.3	16.8	17.3	17.8	18.6	19.5	20.8	22.2	24.4
-8.75°	15.3	15.8	16.2	16.7	17.2	17.7	18.4	19.4	20.5	22.0	23.8
-10°	15.2	15.7	16.2	16.7	17.1	17.6	18.2	19.2	20.2	21.7	23.2
-11.25°	15.1	15.6	16.1	16.6	17.0	17.5	18.0	19.0	19.9	21.3	22.7
-12.5°	15.0	15.5	16.0	16.5	16.9	17.4	17.9	18.7	19.7	20.9	22.3
-13.75°	15.0	15.4	15.9	16.4	16.8	17.3	17.8	18.5	19.4	20.5	21.9
-15°	15.0	15.3	15.8	16.2	16.7	17.2	17.6	18.2	19.1	20.0	21.4
-16.25°	15.0	15.2	15.6	16.1	16.6	17.0	17.5	17.9	18.8	19.7	20.9
-17.5°	15.0	15.0	15.5	16.0	16.4	16.9	17.3	17.8	18.4	19.3	20.3
-18.75°	15.0	15.0	15.4	15.8	16.3	16.7	17.2	17.6	18.1	19.0	19.8
-20°	15.0	15.0	15.2	15.7	16.1	16.5	17.0	17.4	17.9	18.6	19.4
-21.25°	15.0	15.0	15.1	15.5	15.9	16.4	16.8	17.2	17.6	18.1	19.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	15.0	15.0	15.0	15.3	15.7	16.2	16.6	17.0	17.4	17.9	18.5
-23.75°	14.8	15.0	15.0	15.1	15.6	16.0	16.4	16.8	17.2	17.6	18.1
-25°	14.7	15.0	15.0	15.0	15.4	15.8	16.2	16.6	17.0	17.4	17.8
-26.25°	14.5	14.9	15.0	15.0	15.2	15.6	16.0	16.4	16.8	17.1	17.5
-27.5°	14.3	14.7	15.0	15.0	15.0	15.3	15.7	16.1	16.5	16.9	17.3
-28.75°	14.1	14.5	14.9	15.0	15.0	15.1	15.5	15.9	16.3	16.6	17.0
-30°	13.9	14.3	14.7	15.0	15.0	15.0	15.3	15.6	16.0	16.4	16.7
-31.25°	13.7	14.1	14.5	14.9	15.0	15.0	15.0	15.4	15.7	16.1	16.4
-32.5°	13.5	13.9	14.3	14.6	15.0	15.0	15.0	15.1	15.5	15.8	16.1
-33.75°	13.3	13.7	14.0	14.4	14.8	15.0	15.0	15.0	15.2	15.5	15.8
-35°	13.1	13.4	13.8	14.2	14.5	14.9	15.0	15.0	15.0	15.2	15.5
-36.25°	12.8	13.2	13.6	13.9	14.3	14.6	14.9	15.0	15.0	15.0	15.2
-37.5°	12.6	13.0	13.3	13.6	14.0	14.3	14.6	15.0	15.0	15.0	15.0
-38.75°	12.4	12.7	13.1	13.4	13.7	14.0	14.4	14.7	15.0	15.0	15.0
-40°	12.1	12.5	12.8	13.1	13.4	13.8	14.1	14.4	14.7	15.0	15.0
-41.25°	11.9	12.2	12.5	12.8	13.2	13.5	13.8	14.1	14.4	14.6	14.9
-42.5°	11.6	11.9	12.3	12.6	12.9	13.2	13.5	13.8	14.0	14.3	14.6
-43.75°	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.4	13.7	14.0	14.3
-45°	11.1	11.4	11.7	12.0	12.3	12.6	12.8	13.1	13.4	13.6	13.9
-46.25°	10.9	11.1	11.4	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6
-47.5°	10.6	10.9	11.1	11.4	11.7	11.9	12.2	12.5	12.7	13.0	13.2
-48.75°	10.3	10.6	10.9	11.1	11.4	11.6	11.9	12.1	12.4	12.6	12.8
-50°	10.0	10.3	10.6	10.8	11.1	11.3	11.6	11.8	12.0	12.3	12.5
-51.25°	9.7	10.0	10.3	10.5	10.8	11.0	11.2	11.5	11.7	11.9	12.1
-52.5°	9.5	9.7	10.0	10.2	10.4	10.7	10.9	11.1	11.3	11.6	11.8
-53.75°	9.2	9.4	9.7	9.9	10.1	10.3	10.6	10.8	11.0	11.2	11.4
-55°	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0
-56.25°	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.6
-57.5°	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3
-58.75°	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9
-60°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.2	9.3	9.5
-61.25°	7.4	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.8	9.0	9.1
-62.5°	7.1	7.3	7.4	7.6	7.8	8.0	8.1	8.3	8.4	8.6	8.7
-63.75°	6.8	7.0	7.1	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4
-65°	6.5	6.6	6.8	7.0	7.1	7.3	7.4	7.6	7.7	7.8	8.0
-66.25°	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3	7.5	7.6
-67.5°	6.0	6.0	6.1	6.3	6.4	6.6	6.7	6.8	6.9	7.1	7.2
-68.75°	6.0	6.0	6.0	6.0	6.1	6.2	6.3	6.4	6.6	6.7	6.8
-70°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.2	6.3	6.4
-71.25°	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-72.5°	5.1	5.4	5.6	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-73.75°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.0	6.0
-75°	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.5	5.6
-76.25°	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.7	4.8
-77.5°	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-78.75°	3.0	3.0	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.6	3.6
-80°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
-81.25°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8
-82.5°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4
-83.75°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
-85°	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
-86.25°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-88.75°	0.3	0.3	0.3	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
87.5°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
85°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
83.75°	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3
82.5°	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8
81.25°	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
80°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
78.75°	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.3
77.5°	4.2	4.3	4.4	4.5	4.6	4.8	4.9	5.0	5.1	5.1	5.2
76.25°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	6.0	6.0	6.0
75°	5.8	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
73.75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
72.5°	6.0	6.0	6.0	6.0	6.0	6.1	6.2	6.3	6.3	6.4	6.5
71.25°	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.8	6.9
70°	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4
68.75°	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8
67.5°	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3
66.25°	7.7	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7
65°	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2
63.75°	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3	9.5	9.6	9.6
62.5°	8.9	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.9	10.0	10.1
61.25°	9.3	9.4	9.6	9.7	9.8	10.0	10.1	10.2	10.3	10.4	10.6
60°	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9	11.0
58.75°	10.1	10.2	10.4	10.5	10.7	10.8	11.0	11.1	11.2	11.3	11.5
57.5°	10.4	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8	11.9
56.25°	10.8	11.0	11.2	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.4
55°	11.2	11.4	11.6	11.7	11.9	12.1	12.2	12.4	12.5	12.7	12.8
53.75°	11.6	11.8	12.0	12.1	12.3	12.5	12.7	12.8	13.0	13.1	13.2
52.5°	12.0	12.2	12.4	12.5	12.7	12.9	13.1	13.2	13.4	13.5	13.7
51.25°	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.8	14.0	14.1
50°	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.4	14.6
48.75°	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.7	14.8	15.0
47.5°	13.4	13.7	13.9	14.1	14.3	14.5	14.7	14.9	15.0	15.0	15.0
46.25°	13.8	14.0	14.3	14.5	14.7	14.9	15.0	15.0	15.0	15.0	15.0
45°	14.2	14.4	14.6	14.9	15.0	15.0	15.0	15.0	15.0	15.1	15.3
43.75°	14.5	14.8	15.0	15.0	15.0	15.0	15.0	15.2	15.4	15.6	15.7
42.5°	14.9	15.0	15.0	15.0	15.0	15.1	15.3	15.6	15.8	16.0	16.2
41.25°	15.0	15.0	15.0	15.0	15.3	15.5	15.7	16.0	16.2	16.4	16.6
40°	15.0	15.0	15.1	15.4	15.6	15.9	16.1	16.4	16.6	16.8	17.0
38.75°	15.0	15.2	15.5	15.7	16.0	16.3	16.5	16.8	17.0	17.2	17.4
37.5°	15.2	15.5	15.8	16.1	16.4	16.6	16.9	17.1	17.4	17.6	17.9
36.25°	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.5	17.8	18.1	18.5
35°	15.9	16.2	16.5	16.8	17.1	17.4	17.6	17.9	18.3	18.9	19.3



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.6	19.1	19.6	20.2
32.5°	16.5	16.8	17.1	17.5	17.8	18.1	18.7	19.3	19.9	20.6	21.4
31.25°	16.8	17.1	17.5	17.8	18.2	18.8	19.5	20.1	20.9	21.8	22.6
30°	17.1	17.4	17.8	18.2	18.9	19.5	20.2	21.2	22.1	22.9	24.5
28.75°	17.4	17.7	18.1	18.8	19.5	20.3	21.3	22.2	23.3	25.1	26.8
27.5°	17.6	18.0	18.7	19.5	20.2	21.3	22.3	23.5	25.4	27.3	29.1
26.25°	17.9	18.6	19.3	20.1	21.2	22.2	23.5	25.5	27.5	29.6	32.4
25°	18.3	19.1	19.9	20.9	22.1	23.3	25.4	27.5	29.8	32.8	35.7
23.75°	18.9	19.6	20.6	21.8	22.9	25.1	27.3	29.6	32.8	35.9	39.7
22.5°	19.3	20.2	21.4	22.6	24.5	26.8	29.1	32.4	35.7	39.7	45.9
21.25°	19.8	21.0	22.2	23.8	26.2	28.5	31.7	35.2	39.0	45.5	51.9
20°	20.4	21.7	22.9	25.3	27.7	30.7	34.3	37.8	44.4	51.2	59.0
18.75°	21.0	22.3	24.2	26.7	29.3	33.0	36.7	42.6	49.6	57.0	68.6
17.5°	21.6	23.0	25.5	28.1	31.5	35.2	40.0	47.4	54.6	65.6	85.9
16.25°	22.2	24.1	26.8	29.6	33.5	37.4	44.4	51.9	61.6	79.3	113.3
15°	22.8	25.2	27.9	31.4	35.4	40.7	48.5	56.4	70.2	97.5	146.0
13.75°	23.5	26.3	29.0	33.1	37.2	44.4	52.4	63.1	83.7	125.1	182.7
12.5°	24.5	27.2	30.5	34.7	39.6	47.8	56.0	70.7	101.3	154.9	212.7
11.25°	25.3	28.1	31.9	36.1	42.6	51.0	61.5	81.8	124.1	185.0	238.9
10°	26.1	28.9	33.2	37.4	45.4	53.8	66.5	92.6	147.1	209.1	256.4
8.75°	26.7	30.0	34.3	39.2	47.8	56.7	73.6	110.3	170.6	229.5	272.0
7.5°	27.3	30.9	35.3	41.2	50.0	60.4	81.2	125.8	191.2	245.4	285.7
6.25°	27.8	31.7	36.1	43.0	51.8	63.6	87.6	139.9	206.1	256.6	297.5
5°	28.3	32.3	36.8	44.4	53.3	66.3	94.8	153.7	218.2	265.8	307.3
3.75°	28.6	32.8	37.3	45.5	54.5	68.6	102.9	164.6	227.7	273.1	315.0
2.5°	28.8	33.2	37.7	46.4	55.3	71.5	108.8	172.5	234.5	278.3	320.5
1.25°	29.0	33.4	37.9	46.8	55.8	73.2	112.3	177.2	238.6	281.4	323.9
0°	29.0	33.5	38.0	47.0	56.0	73.8	113.5	178.8	240.0	282.5	325.0
-1.25°	29.0	33.4	37.9	46.8	55.8	73.2	112.3	177.2	238.6	281.4	323.9
-2.5°	28.8	33.2	37.7	46.4	55.3	71.5	108.8	172.5	234.5	278.3	320.5
-3.75°	28.6	32.8	37.3	45.5	54.5	68.6	102.9	164.6	227.7	273.1	315.0
-5°	28.3	32.3	36.8	44.4	53.3	66.3	94.8	153.7	218.2	265.8	307.3
-6.25°	27.8	31.7	36.1	43.0	51.8	63.6	87.6	139.9	206.1	256.6	297.5
-7.5°	27.3	30.9	35.3	41.2	50.0	60.4	81.2	125.8	191.2	245.4	285.7
-8.75°	26.7	30.0	34.3	39.2	47.8	56.7	73.6	110.3	170.6	229.5	272.0
-10°	26.1	28.9	33.2	37.4	45.4	53.8	66.5	92.6	147.1	209.1	256.4
-11.25°	25.3	28.1	31.9	36.1	42.6	51.0	61.5	81.8	124.1	185.0	238.9
-12.5°	24.5	27.2	30.5	34.7	39.6	47.8	56.0	70.7	101.3	154.9	212.7
-13.75°	23.5	26.3	29.0	33.1	37.2	44.4	52.4	63.1	83.7	125.1	182.7
-15°	22.8	25.2	27.9	31.4	35.4	40.7	48.5	56.4	70.2	97.5	146.0
-16.25°	22.2	24.1	26.8	29.6	33.5	37.4	44.4	51.9	61.6	79.3	113.3
-17.5°	21.6	23.0	25.5	28.1	31.5	35.2	40.0	47.4	54.6	65.6	85.9
-18.75°	21.0	22.3	24.2	26.7	29.3	33.0	36.7	42.6	49.6	57.0	68.6
-20°	20.4	21.7	22.9	25.3	27.7	30.7	34.3	37.8	44.4	51.2	59.0
-21.25°	19.8	21.0	22.2	23.8	26.2	28.5	31.7	35.2	39.0	45.5	51.9



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	19.3	20.2	21.4	22.6	24.5	26.8	29.1	32.4	35.7	39.7	45.9
-23.75°	18.9	19.6	20.6	21.8	22.9	25.1	27.3	29.6	32.8	35.9	39.7
-25°	18.3	19.1	19.9	20.9	22.1	23.3	25.4	27.5	29.8	32.8	35.7
-26.25°	17.9	18.6	19.3	20.1	21.2	22.2	23.5	25.5	27.5	29.6	32.4
-27.5°	17.6	18.0	18.7	19.5	20.2	21.3	22.3	23.5	25.4	27.3	29.1
-28.75°	17.4	17.7	18.1	18.8	19.5	20.3	21.3	22.2	23.3	25.1	26.8
-30°	17.1	17.4	17.8	18.2	18.9	19.5	20.2	21.2	22.1	22.9	24.5
-31.25°	16.8	17.1	17.5	17.8	18.2	18.8	19.5	20.1	20.9	21.8	22.6
-32.5°	16.5	16.8	17.1	17.5	17.8	18.1	18.7	19.3	19.9	20.6	21.4
-33.75°	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.6	19.1	19.6	20.2
-35°	15.9	16.2	16.5	16.8	17.1	17.4	17.6	17.9	18.3	18.9	19.3
-36.25°	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.5	17.8	18.1	18.5
-37.5°	15.2	15.5	15.8	16.1	16.4	16.6	16.9	17.1	17.4	17.6	17.9
-38.75°	15.0	15.2	15.5	15.7	16.0	16.3	16.5	16.8	17.0	17.2	17.4
-40°	15.0	15.0	15.1	15.4	15.6	15.9	16.1	16.4	16.6	16.8	17.0
-41.25°	15.0	15.0	15.0	15.0	15.3	15.5	15.7	16.0	16.2	16.4	16.6
-42.5°	14.9	15.0	15.0	15.0	15.0	15.1	15.3	15.6	15.8	16.0	16.2
-43.75°	14.5	14.8	15.0	15.0	15.0	15.0	15.0	15.2	15.4	15.6	15.7
-45°	14.2	14.4	14.6	14.9	15.0	15.0	15.0	15.0	15.0	15.1	15.3
-46.25°	13.8	14.0	14.3	14.5	14.7	14.9	15.0	15.0	15.0	15.0	15.0
-47.5°	13.4	13.7	13.9	14.1	14.3	14.5	14.7	14.9	15.0	15.0	15.0
-48.75°	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.7	14.8	15.0
-50°	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.4	14.6
-51.25°	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.8	14.0	14.1
-52.5°	12.0	12.2	12.4	12.5	12.7	12.9	13.1	13.2	13.4	13.5	13.7
-53.75°	11.6	11.8	12.0	12.1	12.3	12.5	12.7	12.8	13.0	13.1	13.2
-55°	11.2	11.4	11.6	11.7	11.9	12.1	12.2	12.4	12.5	12.7	12.8
-56.25°	10.8	11.0	11.2	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.4
-57.5°	10.4	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8	11.9
-58.75°	10.1	10.2	10.4	10.5	10.7	10.8	11.0	11.1	11.2	11.3	11.5
-60°	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9	11.0
-61.25°	9.3	9.4	9.6	9.7	9.8	10.0	10.1	10.2	10.3	10.4	10.6
-62.5°	8.9	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.9	10.0	10.1
-63.75°	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3	9.5	9.6	9.6
-65°	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2
-66.25°	7.7	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7
-67.5°	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3
-68.75°	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8
-70°	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4
-71.25°	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.8	6.9
-72.5°	6.0	6.0	6.0	6.0	6.0	6.1	6.2	6.3	6.3	6.4	6.5
-73.75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-75°	5.8	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-76.25°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	6.0	6.0	6.0
-77.5°	4.2	4.3	4.4	4.5	4.6	4.8	4.9	5.0	5.1	5.1	5.2



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-78.75°	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.3
-80°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
-81.25°	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
-82.5°	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8
-83.75°	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3
-85°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
-86.25°	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
-87.5°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
83.75°	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
82.5°	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0
81.25°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
80°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
78.75°	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9	4.9
77.5°	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8	5.8	5.9
76.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
73.75°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
72.5°	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9
71.25°	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4
70°	7.4	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9
68.75°	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4
67.5°	8.4	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.9	8.9
66.25°	8.8	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.3	9.3	9.4
65°	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9
63.75°	9.7	9.8	9.9	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.4
62.5°	10.2	10.3	10.4	10.5	10.5	10.6	10.7	10.7	10.8	10.8	10.9
61.25°	10.7	10.7	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4
60°	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.7	11.8	11.8
58.75°	11.6	11.7	11.8	11.9	11.9	12.0	12.1	12.2	12.2	12.3	12.3
57.5°	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8	12.8
56.25°	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.1	13.2	13.3	13.3
55°	12.9	13.0	13.2	13.3	13.4	13.5	13.5	13.6	13.7	13.8	13.8
53.75°	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.2	14.3
52.5°	13.8	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.7	14.8
51.25°	14.3	14.4	14.5	14.7	14.8	14.9	15.0	15.0	15.0	15.0	15.0
50°	14.7	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
48.75°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.1	15.2	15.3
47.5°	15.0	15.0	15.0	15.0	15.2	15.3	15.4	15.5	15.6	15.7	15.8
46.25°	15.1	15.2	15.4	15.5	15.6	15.8	15.9	16.0	16.1	16.2	16.2
45°	15.5	15.7	15.8	16.0	16.1	16.2	16.4	16.5	16.6	16.7	16.7
43.75°	15.9	16.1	16.3	16.4	16.6	16.7	16.8	16.9	17.0	17.1	17.2
42.5°	16.4	16.5	16.7	16.9	17.0	17.2	17.3	17.4	17.5	17.6	17.7
41.25°	16.8	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.0	18.2	18.4
40°	17.2	17.4	17.6	17.8	17.9	18.2	18.5	18.7	19.0	19.2	19.4
38.75°	17.6	17.9	18.1	18.4	18.8	19.1	19.4	19.7	19.9	20.2	20.5
37.5°	18.1	18.6	19.0	19.3	19.7	20.0	20.5	20.9	21.3	21.7	22.0
36.25°	19.0	19.4	19.8	20.3	20.9	21.4	21.9	22.3	22.7	23.2	23.8
35°	19.8	20.4	21.0	21.6	22.2	22.8	23.5	24.5	25.3	26.1	26.7



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	21.0	21.7	22.3	23.0	24.1	25.2	26.3	27.2	28.1	28.9	30.0
32.5°	22.2	22.9	24.2	25.5	26.8	27.9	29.0	30.5	31.9	33.2	34.3
31.25°	23.8	25.3	26.7	28.1	29.6	31.4	33.1	34.7	36.1	37.4	39.2
30°	26.2	27.7	29.3	31.5	33.5	35.4	37.2	39.6	42.6	45.4	47.8
28.75°	28.5	30.7	33.0	35.2	37.4	40.7	44.4	47.8	51.0	53.8	56.7
27.5°	31.7	34.3	36.7	40.0	44.4	48.5	52.4	56.0	61.5	66.5	73.6
26.25°	35.2	37.8	42.6	47.4	51.9	56.4	63.1	70.7	81.8	92.6	110.3
25°	39.0	44.4	49.6	54.6	61.6	70.2	83.7	101.3	124.1	147.1	170.6
23.75°	45.5	51.2	57.0	65.6	79.3	97.5	125.1	154.9	185.0	209.1	229.5
22.5°	51.9	59.0	68.6	85.9	113.3	146.0	182.7	212.7	238.9	256.4	272.0
21.25°	59.6	71.2	89.9	123.9	163.3	202.0	233.6	256.8	276.7	294.9	311.3
20°	71.2	91.4	129.3	173.8	213.8	246.3	270.3	292.8	313.7	336.3	361.2
18.75°	89.9	129.3	177.3	219.7	253.0	279.4	304.5	329.4	361.0	390.1	416.5
17.5°	123.9	173.8	219.7	255.2	284.0	311.6	343.5	379.1	412.4	443.2	485.7
16.25°	163.3	213.8	253.0	284.0	314.0	350.5	390.1	427.6	472.2	524.3	591.6
15°	202.0	246.3	279.4	311.6	350.5	393.8	435.2	491.2	561.4	641.8	745.6
13.75°	233.6	270.3	304.5	343.5	390.1	435.2	497.6	580.4	684.5	808.6	966.4
12.5°	256.8	292.8	329.4	379.1	427.6	491.2	580.4	698.9	851.4	1037.1	1267.9
11.25°	276.7	313.7	361.0	412.4	472.2	561.4	684.5	851.4	1068.2	1333.2	1639.6
10°	294.9	336.3	390.1	443.2	524.3	641.8	808.6	1037.1	1333.2	1682.9	2049.6
8.75°	311.3	361.2	416.5	485.7	591.6	745.6	966.4	1267.9	1639.6	2049.6	2450.2
7.5°	326.1	383.3	440.0	525.8	659.2	857.1	1140.1	1511.9	1946.2	2394.1	2815.2
6.25°	344.1	402.3	468.2	575.0	735.2	973.3	1311.4	1744.6	2229.3	2700.4	3130.3
5°	359.0	418.2	495.2	616.2	800.1	1088.5	1485.6	1966.3	2473.3	2958.2	3387.8
3.75°	370.7	430.7	516.6	654.4	872.2	1195.2	1629.8	2144.6	2668.4	3155.5	3586.1
2.5°	379.2	439.7	535.0	688.5	924.6	1272.9	1736.7	2276.3	2808.6	3297.0	3733.5
1.25°	384.3	445.2	548.3	709.1	956.3	1320.1	1809.3	2356.9	2894.7	3384.4	3821.9
0°	386.0	447.0	552.8	716.0	967.0	1336.0	1833.8	2384.0	2923.8	3414.0	3851.3
-1.25°	384.3	445.2	548.3	709.1	956.3	1320.1	1809.3	2356.9	2894.7	3384.4	3821.9
-2.5°	379.2	439.7	535.0	688.5	924.6	1272.9	1736.7	2276.3	2808.6	3297.0	3733.5
-3.75°	370.7	430.7	516.6	654.4	872.2	1195.2	1629.8	2144.6	2668.4	3155.5	3586.1
-5°	359.0	418.2	495.2	616.2	800.1	1088.5	1485.6	1966.3	2473.3	2958.2	3387.8
-6.25°	344.1	402.3	468.2	575.0	735.2	973.3	1311.4	1744.6	2229.3	2700.4	3130.3
-7.5°	326.1	383.3	440.0	525.8	659.2	857.1	1140.1	1511.9	1946.2	2394.1	2815.2
-8.75°	311.3	361.2	416.5	485.7	591.6	745.6	966.4	1267.9	1639.6	2049.6	2450.2
-10°	294.9	336.3	390.1	443.2	524.3	641.8	808.6	1037.1	1333.2	1682.9	2049.6
-11.25°	276.7	313.7	361.0	412.4	472.2	561.4	684.5	851.4	1068.2	1333.2	1639.6
-12.5°	256.8	292.8	329.4	379.1	427.6	491.2	580.4	698.9	851.4	1037.1	1267.9
-13.75°	233.6	270.3	304.5	343.5	390.1	435.2	497.6	580.4	684.5	808.6	966.4
-15°	202.0	246.3	279.4	311.6	350.5	393.8	435.2	491.2	561.4	641.8	745.6
-16.25°	163.3	213.8	253.0	284.0	314.0	350.5	390.1	427.6	472.2	524.3	591.6
-17.5°	123.9	173.8	219.7	255.2	284.0	311.6	343.5	379.1	412.4	443.2	485.7
-18.75°	89.9	129.3	177.3	219.7	253.0	279.4	304.5	329.4	361.0	390.1	416.5
-20°	71.2	91.4	129.3	173.8	213.8	246.3	270.3	292.8	313.7	336.3	361.2
-21.25°	59.6	71.2	89.9	123.9	163.3	202.0	233.6	256.8	276.7	294.9	311.3



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-22.5°	51.9	59.0	68.6	85.9	113.3	146.0	182.7	212.7	238.9	256.4	272.0
-23.75°	45.5	51.2	57.0	65.6	79.3	97.5	125.1	154.9	185.0	209.1	229.5
-25°	39.0	44.4	49.6	54.6	61.6	70.2	83.7	101.3	124.1	147.1	170.6
-26.25°	35.2	37.8	42.6	47.4	51.9	56.4	63.1	70.7	81.8	92.6	110.3
-27.5°	31.7	34.3	36.7	40.0	44.4	48.5	52.4	56.0	61.5	66.5	73.6
-28.75°	28.5	30.7	33.0	35.2	37.4	40.7	44.4	47.8	51.0	53.8	56.7
-30°	26.2	27.7	29.3	31.5	33.5	35.4	37.2	39.6	42.6	45.4	47.8
-31.25°	23.8	25.3	26.7	28.1	29.6	31.4	33.1	34.7	36.1	37.4	39.2
-32.5°	22.2	22.9	24.2	25.5	26.8	27.9	29.0	30.5	31.9	33.2	34.3
-33.75°	21.0	21.7	22.3	23.0	24.1	25.2	26.3	27.2	28.1	28.9	30.0
-35°	19.8	20.4	21.0	21.6	22.2	22.8	23.5	24.5	25.3	26.1	26.7
-36.25°	19.0	19.4	19.8	20.3	20.9	21.4	21.9	22.3	22.7	23.2	23.8
-37.5°	18.1	18.6	19.0	19.3	19.7	20.0	20.5	20.9	21.3	21.7	22.0
-38.75°	17.6	17.9	18.1	18.4	18.8	19.1	19.4	19.7	19.9	20.2	20.5
-40°	17.2	17.4	17.6	17.8	17.9	18.2	18.5	18.7	19.0	19.2	19.4
-41.25°	16.8	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.0	18.2	18.4
-42.5°	16.4	16.5	16.7	16.9	17.0	17.2	17.3	17.4	17.5	17.6	17.7
-43.75°	15.9	16.1	16.3	16.4	16.6	16.7	16.8	16.9	17.0	17.1	17.2
-45°	15.5	15.7	15.8	16.0	16.1	16.2	16.4	16.5	16.6	16.7	16.7
-46.25°	15.1	15.2	15.4	15.5	15.6	15.8	15.9	16.0	16.1	16.2	16.2
-47.5°	15.0	15.0	15.0	15.0	15.2	15.3	15.4	15.5	15.6	15.7	15.8
-48.75°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.1	15.2	15.3
-50°	14.7	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
-51.25°	14.3	14.4	14.5	14.7	14.8	14.9	15.0	15.0	15.0	15.0	15.0
-52.5°	13.8	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.7	14.8
-53.75°	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.2	14.3
-55°	12.9	13.0	13.2	13.3	13.4	13.5	13.5	13.6	13.7	13.8	13.8
-56.25°	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.1	13.2	13.3	13.3
-57.5°	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8	12.8
-58.75°	11.6	11.7	11.8	11.9	11.9	12.0	12.1	12.2	12.2	12.3	12.3
-60°	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.7	11.8	11.8
-61.25°	10.7	10.7	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4
-62.5°	10.2	10.3	10.4	10.5	10.5	10.6	10.7	10.7	10.8	10.8	10.9
-63.75°	9.7	9.8	9.9	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.4
-65°	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9
-66.25°	8.8	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.3	9.3	9.4
-67.5°	8.4	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.9	8.9
-68.75°	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4
-70°	7.4	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9
-71.25°	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4
-72.5°	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9
-73.75°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
-75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-76.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-77.5°	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8	5.8	5.9



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-78.75°	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9	4.9
-80°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
-81.25°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
-82.5°	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0
-83.75°	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
-85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
-86.25°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
-87.5°	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
83.75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
81.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
78.75°	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
77.5°	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
76.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
73.75°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
72.5°	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
71.25°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
70°	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
68.75°	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
67.5°	8.9	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
66.25°	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
65°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
63.75°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
62.5°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
61.25°	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
60°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
58.75°	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4
57.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
56.25°	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4
55°	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
53.75°	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.4
52.5°	14.8	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9
51.25°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
50°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
48.75°	15.3	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.4
47.5°	15.8	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.9
46.25°	16.3	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.4
45°	16.8	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9
43.75°	17.3	17.4	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.4	17.4
42.5°	17.8	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0	17.9	17.9
41.25°	18.6	18.7	18.8	18.9	19.0	19.0	19.0	19.0	19.0	18.9	18.8
40°	19.5	19.7	19.8	19.9	19.9	20.0	20.0	20.0	19.9	19.9	19.8
38.75°	20.8	21.0	21.2	21.3	21.4	21.5	21.5	21.5	21.4	21.3	21.2
37.5°	22.2	22.5	22.7	22.8	22.9	23.0	23.0	23.0	22.9	22.8	22.7
36.25°	24.4	24.9	25.3	25.6	25.8	26.0	26.0	26.0	25.8	25.6	25.3
35°	27.3	27.8	28.3	28.6	28.8	29.0	29.0	29.0	28.8	28.6	28.3



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
33.75°	30.9	31.7	32.3	32.8	33.2	33.4	33.5	33.4	33.2	32.8	32.3
32.5°	35.3	36.1	36.8	37.3	37.7	37.9	38.0	37.9	37.7	37.3	36.8
31.25°	41.2	43.0	44.4	45.5	46.4	46.8	47.0	46.8	46.4	45.5	44.4
30°	50.0	51.8	53.3	54.5	55.3	55.8	56.0	55.8	55.3	54.5	53.3
28.75°	60.4	63.6	66.3	68.6	71.5	73.2	73.8	73.2	71.5	68.6	66.3
27.5°	81.2	87.6	94.8	102.9	108.8	112.3	113.5	112.3	108.8	102.9	94.8
26.25°	125.8	139.9	153.7	164.6	172.5	177.2	178.8	177.2	172.5	164.6	153.7
25°	191.2	206.1	218.2	227.7	234.5	238.6	240.0	238.6	234.5	227.7	218.2
23.75°	245.4	256.6	265.8	273.1	278.3	281.4	282.5	281.4	278.3	273.1	265.8
22.5°	285.7	297.5	307.3	315.0	320.5	323.9	325.0	323.9	320.5	315.0	307.3
21.25°	326.1	344.1	359.0	370.7	379.2	384.3	386.0	384.3	379.2	370.7	359.0
20°	383.3	402.3	418.2	430.7	439.7	445.2	447.0	445.2	439.7	430.7	418.2
18.75°	440.0	468.2	495.2	516.6	535.0	548.3	552.8	548.3	535.0	516.6	495.2
17.5°	525.8	575.0	616.2	654.4	688.5	709.1	716.0	709.1	688.5	654.4	616.2
16.25°	659.2	735.2	800.1	872.2	924.6	956.3	967.0	956.3	924.6	872.2	800.1
15°	857.1	973.3	1088.5	1195.2	1272.9	1320.1	1336.0	1320.1	1272.9	1195.2	1088.5
13.75°	1140.1	1311.4	1485.6	1629.8	1736.7	1809.3	1833.8	1809.3	1736.7	1629.8	1485.6
12.5°	1511.9	1744.6	1966.3	2144.6	2276.3	2356.9	2384.0	2356.9	2276.3	2144.6	1966.3
11.25°	1946.2	2229.3	2473.3	2668.4	2808.6	2894.7	2923.8	2894.7	2808.6	2668.4	2473.3
10°	2394.1	2700.4	2958.2	3155.5	3297.0	3384.4	3414.0	3384.4	3297.0	3155.5	2958.2
8.75°	2815.2	3130.3	3387.8	3586.1	3733.5	3821.9	3851.3	3821.9	3733.5	3586.1	3387.8
7.5°	3186.9	3502.0	3765.9	3974.3	4130.4	4221.7	4253.0	4221.7	4130.4	3974.3	3765.9
6.25°	3502.0	3824.6	4101.7	4318.4	4478.5	4575.5	4609.0	4575.5	4478.5	4318.4	4101.7
5°	3765.9	4101.7	4384.8	4609.8	4775.7	4880.2	4917.0	4880.2	4775.7	4609.8	4384.8
3.75°	3974.3	4318.4	4609.8	4844.7	5017.8	5128.4	5160.3	5128.4	5017.8	4844.7	4609.8
2.5°	4130.4	4478.5	4775.7	5017.8	5194.0	5301.4	5335.0	5301.4	5194.0	5017.8	4775.7
1.25°	4221.7	4575.5	4880.2	5128.4	5301.4	5410.4	5451.3	5410.4	5301.4	5128.4	4880.2
0°	4253.0	4609.0	4917.0	5160.3	5335.0	5451.3	5509.0	5451.3	5335.0	5160.3	4917.0
-1.25°	4221.7	4575.5	4880.2	5128.4	5301.4	5410.4	5451.3	5410.4	5301.4	5128.4	4880.2
-2.5°	4130.4	4478.5	4775.7	5017.8	5194.0	5301.4	5335.0	5301.4	5194.0	5017.8	4775.7
-3.75°	3974.3	4318.4	4609.8	4844.7	5017.8	5128.4	5160.3	5128.4	5017.8	4844.7	4609.8
-5°	3765.9	4101.7	4384.8	4609.8	4775.7	4880.2	4917.0	4880.2	4775.7	4609.8	4384.8
-6.25°	3502.0	3824.6	4101.7	4318.4	4478.5	4575.5	4609.0	4575.5	4478.5	4318.4	4101.7
-7.5°	3186.9	3502.0	3765.9	3974.3	4130.4	4221.7	4253.0	4221.7	4130.4	3974.3	3765.9
-8.75°	2815.2	3130.3	3387.8	3586.1	3733.5	3821.9	3851.3	3821.9	3733.5	3586.1	3387.8
-10°	2394.1	2700.4	2958.2	3155.5	3297.0	3384.4	3414.0	3384.4	3297.0	3155.5	2958.2
-11.25°	1946.2	2229.3	2473.3	2668.4	2808.6	2894.7	2923.8	2894.7	2808.6	2668.4	2473.3
-12.5°	1511.9	1744.6	1966.3	2144.6	2276.3	2356.9	2384.0	2356.9	2276.3	2144.6	1966.3
-13.75°	1140.1	1311.4	1485.6	1629.8	1736.7	1809.3	1833.8	1809.3	1736.7	1629.8	1485.6
-15°	857.1	973.3	1088.5	1195.2	1272.9	1320.1	1336.0	1320.1	1272.9	1195.2	1088.5
-16.25°	659.2	735.2	800.1	872.2	924.6	956.3	967.0	956.3	924.6	872.2	800.1
-17.5°	525.8	575.0	616.2	654.4	688.5	709.1	716.0	709.1	688.5	654.4	616.2
-18.75°	440.0	468.2	495.2	516.6	535.0	548.3	552.8	548.3	535.0	516.6	495.2
-20°	383.3	402.3	418.2	430.7	439.7	445.2	447.0	445.2	439.7	430.7	418.2
-21.25°	326.1	344.1	359.0	370.7	379.2	384.3	386.0	384.3	379.2	370.7	359.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	285.7	297.5	307.3	315.0	320.5	323.9	325.0	323.9	320.5	315.0	307.3
-23.75°	245.4	256.6	265.8	273.1	278.3	281.4	282.5	281.4	278.3	273.1	265.8
-25°	191.2	206.1	218.2	227.7	234.5	238.6	240.0	238.6	234.5	227.7	218.2
-26.25°	125.8	139.9	153.7	164.6	172.5	177.2	178.8	177.2	172.5	164.6	153.7
-27.5°	81.2	87.6	94.8	102.9	108.8	112.3	113.5	112.3	108.8	102.9	94.8
-28.75°	60.4	63.6	66.3	68.6	71.5	73.2	73.8	73.2	71.5	68.6	66.3
-30°	50.0	51.8	53.3	54.5	55.3	55.8	56.0	55.8	55.3	54.5	53.3
-31.25°	41.2	43.0	44.4	45.5	46.4	46.8	47.0	46.8	46.4	45.5	44.4
-32.5°	35.3	36.1	36.8	37.3	37.7	37.9	38.0	37.9	37.7	37.3	36.8
-33.75°	30.9	31.7	32.3	32.8	33.2	33.4	33.5	33.4	33.2	32.8	32.3
-35°	27.3	27.8	28.3	28.6	28.8	29.0	29.0	29.0	28.8	28.6	28.3
-36.25°	24.4	24.9	25.3	25.6	25.8	26.0	26.0	26.0	25.8	25.6	25.3
-37.5°	22.2	22.5	22.7	22.8	22.9	23.0	23.0	23.0	22.9	22.8	22.7
-38.75°	20.8	21.0	21.2	21.3	21.4	21.5	21.5	21.5	21.4	21.3	21.2
-40°	19.5	19.7	19.8	19.9	19.9	20.0	20.0	20.0	19.9	19.9	19.8
-41.25°	18.6	18.7	18.8	18.9	19.0	19.0	19.0	19.0	19.0	18.9	18.8
-42.5°	17.8	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0	17.9	17.9
-43.75°	17.3	17.4	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.4	17.4
-45°	16.8	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9
-46.25°	16.3	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.4
-47.5°	15.8	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.9
-48.75°	15.3	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.4
-50°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
-51.25°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
-52.5°	14.8	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9
-53.75°	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.4
-55°	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
-56.25°	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4
-57.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
-58.75°	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4
-60°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
-61.25°	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
-62.5°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-63.75°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
-65°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-66.25°	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-67.5°	8.9	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
-68.75°	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-70°	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-71.25°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
-72.5°	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
-73.75°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-76.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-77.5°	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-78.75°	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-81.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-83.75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
-85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-86.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
86.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
83.75°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8
81.25°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
80°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
78.75°	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5
77.5°	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.5
76.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
73.75°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
72.5°	7.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6
71.25°	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1
70°	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.6
68.75°	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0
67.5°	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.7	8.6	8.6	8.5
66.25°	9.4	9.4	9.4	9.3	9.3	9.3	9.2	9.2	9.1	9.0	9.0
65°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.4
63.75°	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9
62.5°	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.5	10.5	10.4
61.25°	11.4	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	10.9	10.8
60°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.4	11.3
58.75°	12.4	12.4	12.3	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8
57.5°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.2
56.25°	13.4	13.4	13.3	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7
55°	13.9	13.9	13.8	13.8	13.7	13.6	13.5	13.5	13.4	13.3	13.2
53.75°	14.4	14.4	14.3	14.2	14.2	14.1	14.0	13.9	13.8	13.7	13.6
52.5°	14.9	14.8	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2	14.1
51.25°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9	14.8	14.7	14.5
50°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
48.75°	15.4	15.3	15.3	15.2	15.1	15.0	15.0	15.0	15.0	15.0	15.0
47.5°	15.9	15.8	15.8	15.7	15.6	15.5	15.4	15.3	15.2	15.0	15.0
46.25°	16.4	16.3	16.2	16.2	16.1	16.0	15.9	15.8	15.6	15.5	15.4
45°	16.9	16.8	16.7	16.7	16.6	16.5	16.4	16.2	16.1	16.0	15.8
43.75°	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.7	16.6	16.4	16.3
42.5°	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.2	17.0	16.9	16.7
41.25°	18.7	18.6	18.4	18.2	18.0	17.9	17.8	17.6	17.5	17.3	17.2
40°	19.7	19.5	19.4	19.2	19.0	18.7	18.5	18.2	17.9	17.8	17.6
38.75°	21.0	20.8	20.5	20.2	19.9	19.7	19.4	19.1	18.8	18.4	18.1
37.5°	22.5	22.2	22.0	21.7	21.3	20.9	20.5	20.0	19.7	19.3	19.0
36.25°	24.9	24.4	23.8	23.2	22.7	22.3	21.9	21.4	20.9	20.3	19.8
35°	27.8	27.3	26.7	26.1	25.3	24.5	23.5	22.8	22.2	21.6	21.0



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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°	31.7	30.9	30.0	28.9	28.1	27.2	26.3	25.2	24.1	23.0	22.3
32.5°	36.1	35.3	34.3	33.2	31.9	30.5	29.0	27.9	26.8	25.5	24.2
31.25°	43.0	41.2	39.2	37.4	36.1	34.7	33.1	31.4	29.6	28.1	26.7
30°	51.8	50.0	47.8	45.4	42.6	39.6	37.2	35.4	33.5	31.5	29.3
28.75°	63.6	60.4	56.7	53.8	51.0	47.8	44.4	40.7	37.4	35.2	33.0
27.5°	87.6	81.2	73.6	66.5	61.5	56.0	52.4	48.5	44.4	40.0	36.7
26.25°	139.9	125.8	110.3	92.6	81.8	70.7	63.1	56.4	51.9	47.4	42.6
25°	206.1	191.2	170.6	147.1	124.1	101.3	83.7	70.2	61.6	54.6	49.6
23.75°	256.6	245.4	229.5	209.1	185.0	154.9	125.1	97.5	79.3	65.6	57.0
22.5°	297.5	285.7	272.0	256.4	238.9	212.7	182.7	146.0	113.3	85.9	68.6
21.25°	344.1	326.1	311.3	294.9	276.7	256.8	233.6	202.0	163.3	123.9	89.9
20°	402.3	383.3	361.2	336.3	313.7	292.8	270.3	246.3	213.8	173.8	129.3
18.75°	468.2	440.0	416.5	390.1	361.0	329.4	304.5	279.4	253.0	219.7	177.3
17.5°	575.0	525.8	485.7	443.2	412.4	379.1	343.5	311.6	284.0	255.2	219.7
16.25°	735.2	659.2	591.6	524.3	472.2	427.6	390.1	350.5	314.0	284.0	253.0
15°	973.3	857.1	745.6	641.8	561.4	491.2	435.2	393.8	350.5	311.6	279.4
13.75°	1311.4	1140.1	966.4	808.6	684.5	580.4	497.6	435.2	390.1	343.5	304.5
12.5°	1744.6	1511.9	1267.9	1037.1	851.4	698.9	580.4	491.2	427.6	379.1	329.4
11.25°	2229.3	1946.2	1639.6	1333.2	1068.2	851.4	684.5	561.4	472.2	412.4	361.0
10°	2700.4	2394.1	2049.6	1682.9	1333.2	1037.1	808.6	641.8	524.3	443.2	390.1
8.75°	3130.3	2815.2	2450.2	2049.6	1639.6	1267.9	966.4	745.6	591.6	485.7	416.5
7.5°	3502.0	3186.9	2815.2	2394.1	1946.2	1511.9	1140.1	857.1	659.2	525.8	440.0
6.25°	3824.6	3502.0	3130.3	2700.4	2229.3	1744.6	1311.4	973.3	735.2	575.0	468.2
5°	4101.7	3765.9	3387.8	2958.2	2473.3	1966.3	1485.6	1088.5	800.1	616.2	495.2
3.75°	4318.4	3974.3	3586.1	3155.5	2668.4	2144.6	1629.8	1195.2	872.2	654.4	516.6
2.5°	4478.5	4130.4	3733.5	3297.0	2808.6	2276.3	1736.7	1272.9	924.6	688.5	535.0
1.25°	4575.5	4221.7	3821.9	3384.4	2894.7	2356.9	1809.3	1320.1	956.3	709.1	548.3
0°	4609.0	4253.0	3851.3	3414.0	2923.8	2384.0	1833.8	1336.0	967.0	716.0	552.8
-1.25°	4575.5	4221.7	3821.9	3384.4	2894.7	2356.9	1809.3	1320.1	956.3	709.1	548.3
-2.5°	4478.5	4130.4	3733.5	3297.0	2808.6	2276.3	1736.7	1272.9	924.6	688.5	535.0
-3.75°	4318.4	3974.3	3586.1	3155.5	2668.4	2144.6	1629.8	1195.2	872.2	654.4	516.6
-5°	4101.7	3765.9	3387.8	2958.2	2473.3	1966.3	1485.6	1088.5	800.1	616.2	495.2
-6.25°	3824.6	3502.0	3130.3	2700.4	2229.3	1744.6	1311.4	973.3	735.2	575.0	468.2
-7.5°	3502.0	3186.9	2815.2	2394.1	1946.2	1511.9	1140.1	857.1	659.2	525.8	440.0
-8.75°	3130.3	2815.2	2450.2	2049.6	1639.6	1267.9	966.4	745.6	591.6	485.7	416.5
-10°	2700.4	2394.1	2049.6	1682.9	1333.2	1037.1	808.6	641.8	524.3	443.2	390.1
-11.25°	2229.3	1946.2	1639.6	1333.2	1068.2	851.4	684.5	561.4	472.2	412.4	361.0
-12.5°	1744.6	1511.9	1267.9	1037.1	851.4	698.9	580.4	491.2	427.6	379.1	329.4
-13.75°	1311.4	1140.1	966.4	808.6	684.5	580.4	497.6	435.2	390.1	343.5	304.5
-15°	973.3	857.1	745.6	641.8	561.4	491.2	435.2	393.8	350.5	311.6	279.4
-16.25°	735.2	659.2	591.6	524.3	472.2	427.6	390.1	350.5	314.0	284.0	253.0
-17.5°	575.0	525.8	485.7	443.2	412.4	379.1	343.5	311.6	284.0	255.2	219.7
-18.75°	468.2	440.0	416.5	390.1	361.0	329.4	304.5	279.4	253.0	219.7	177.3
-20°	402.3	383.3	361.2	336.3	313.7	292.8	270.3	246.3	213.8	173.8	129.3
-21.25°	344.1	326.1	311.3	294.9	276.7	256.8	233.6	202.0	163.3	123.9	89.9



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	297.5	285.7	272.0	256.4	238.9	212.7	182.7	146.0	113.3	85.9	68.6
-23.75°	256.6	245.4	229.5	209.1	185.0	154.9	125.1	97.5	79.3	65.6	57.0
-25°	206.1	191.2	170.6	147.1	124.1	101.3	83.7	70.2	61.6	54.6	49.6
-26.25°	139.9	125.8	110.3	92.6	81.8	70.7	63.1	56.4	51.9	47.4	42.6
-27.5°	87.6	81.2	73.6	66.5	61.5	56.0	52.4	48.5	44.4	40.0	36.7
-28.75°	63.6	60.4	56.7	53.8	51.0	47.8	44.4	40.7	37.4	35.2	33.0
-30°	51.8	50.0	47.8	45.4	42.6	39.6	37.2	35.4	33.5	31.5	29.3
-31.25°	43.0	41.2	39.2	37.4	36.1	34.7	33.1	31.4	29.6	28.1	26.7
-32.5°	36.1	35.3	34.3	33.2	31.9	30.5	29.0	27.9	26.8	25.5	24.2
-33.75°	31.7	30.9	30.0	28.9	28.1	27.2	26.3	25.2	24.1	23.0	22.3
-35°	27.8	27.3	26.7	26.1	25.3	24.5	23.5	22.8	22.2	21.6	21.0
-36.25°	24.9	24.4	23.8	23.2	22.7	22.3	21.9	21.4	20.9	20.3	19.8
-37.5°	22.5	22.2	22.0	21.7	21.3	20.9	20.5	20.0	19.7	19.3	19.0
-38.75°	21.0	20.8	20.5	20.2	19.9	19.7	19.4	19.1	18.8	18.4	18.1
-40°	19.7	19.5	19.4	19.2	19.0	18.7	18.5	18.2	17.9	17.8	17.6
-41.25°	18.7	18.6	18.4	18.2	18.0	17.9	17.8	17.6	17.5	17.3	17.2
-42.5°	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.2	17.0	16.9	16.7
-43.75°	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.7	16.6	16.4	16.3
-45°	16.9	16.8	16.7	16.7	16.6	16.5	16.4	16.2	16.1	16.0	15.8
-46.25°	16.4	16.3	16.2	16.2	16.1	16.0	15.9	15.8	15.6	15.5	15.4
-47.5°	15.9	15.8	15.8	15.7	15.6	15.5	15.4	15.3	15.2	15.0	15.0
-48.75°	15.4	15.3	15.3	15.2	15.1	15.0	15.0	15.0	15.0	15.0	15.0
-50°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
-51.25°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9	14.8	14.7	14.5
-52.5°	14.9	14.8	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2	14.1
-53.75°	14.4	14.4	14.3	14.2	14.2	14.1	14.0	13.9	13.8	13.7	13.6
-55°	13.9	13.9	13.8	13.8	13.7	13.6	13.5	13.5	13.4	13.3	13.2
-56.25°	13.4	13.4	13.3	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7
-57.5°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.2
-58.75°	12.4	12.4	12.3	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8
-60°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.4	11.3
-61.25°	11.4	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	10.9	10.8
-62.5°	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.5	10.5	10.4
-63.75°	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9
-65°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.4
-66.25°	9.4	9.4	9.4	9.3	9.3	9.3	9.2	9.2	9.1	9.0	9.0
-67.5°	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.7	8.6	8.6	8.5
-68.75°	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0
-70°	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.6
-71.25°	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1
-72.5°	7.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6
-73.75°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
-75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-76.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-77.5°	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.5



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5
-80°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
-81.25°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
-82.5°	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8
-83.75°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
-85°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
-86.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
-87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
86.25°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
83.75°	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1
82.5°	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5
81.25°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
80°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
78.75°	4.5	4.4	4.3	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.8
77.5°	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.6	4.5	4.4
76.25°	6.0	6.0	6.0	6.0	6.0	5.8	5.7	5.6	5.5	5.4	5.3
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
73.75°	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
72.5°	6.6	6.5	6.5	6.4	6.3	6.3	6.2	6.1	6.0	6.0	6.0
71.25°	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.5	6.4	6.3
70°	7.5	7.4	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7
68.75°	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.1
67.5°	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5
66.25°	8.9	8.8	8.7	8.7	8.6	8.5	8.4	8.3	8.2	8.1	7.9
65°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4
63.75°	9.8	9.7	9.6	9.6	9.5	9.3	9.2	9.1	9.0	8.9	8.8
62.5°	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2
61.25°	10.7	10.7	10.6	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6
60°	11.2	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.1	10.0
58.75°	11.7	11.6	11.5	11.3	11.2	11.1	11.0	10.8	10.7	10.5	10.4
57.5°	12.1	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.8
56.25°	12.6	12.5	12.4	12.2	12.1	12.0	11.8	11.7	11.5	11.3	11.2
55°	13.0	12.9	12.8	12.7	12.5	12.4	12.2	12.1	11.9	11.7	11.6
53.75°	13.5	13.4	13.2	13.1	13.0	12.8	12.7	12.5	12.3	12.1	12.0
52.5°	14.0	13.8	13.7	13.5	13.4	13.2	13.1	12.9	12.7	12.5	12.4
51.25°	14.4	14.3	14.1	14.0	13.8	13.7	13.5	13.3	13.1	12.9	12.7
50°	14.9	14.7	14.6	14.4	14.3	14.1	13.9	13.7	13.5	13.3	13.1
48.75°	15.0	15.0	15.0	14.8	14.7	14.5	14.3	14.1	13.9	13.7	13.5
47.5°	15.0	15.0	15.0	15.0	15.0	14.9	14.7	14.5	14.3	14.1	13.9
46.25°	15.2	15.1	15.0	15.0	15.0	15.0	15.0	14.9	14.7	14.5	14.3
45°	15.7	15.5	15.3	15.1	15.0	15.0	15.0	15.0	15.0	14.9	14.6
43.75°	16.1	15.9	15.7	15.6	15.4	15.2	15.0	15.0	15.0	15.0	15.0
42.5°	16.5	16.4	16.2	16.0	15.8	15.6	15.3	15.1	15.0	15.0	15.0
41.25°	17.0	16.8	16.6	16.4	16.2	16.0	15.7	15.5	15.3	15.0	15.0
40°	17.4	17.2	17.0	16.8	16.6	16.4	16.1	15.9	15.6	15.4	15.1
38.75°	17.9	17.6	17.4	17.2	17.0	16.8	16.5	16.3	16.0	15.7	15.5
37.5°	18.6	18.1	17.9	17.6	17.4	17.1	16.9	16.6	16.4	16.1	15.8
36.25°	19.4	19.0	18.5	18.1	17.8	17.5	17.3	17.0	16.7	16.4	16.1
35°	20.4	19.8	19.3	18.9	18.3	17.9	17.6	17.4	17.1	16.8	16.5



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	21.7	21.0	20.2	19.6	19.1	18.6	18.0	17.7	17.4	17.1	16.8
32.5°	22.9	22.2	21.4	20.6	19.9	19.3	18.7	18.1	17.8	17.5	17.1
31.25°	25.3	23.8	22.6	21.8	20.9	20.1	19.5	18.8	18.2	17.8	17.5
30°	27.7	26.2	24.5	22.9	22.1	21.2	20.2	19.5	18.9	18.2	17.8
28.75°	30.7	28.5	26.8	25.1	23.3	22.2	21.3	20.3	19.5	18.8	18.1
27.5°	34.3	31.7	29.1	27.3	25.4	23.5	22.3	21.3	20.2	19.5	18.7
26.25°	37.8	35.2	32.4	29.6	27.5	25.5	23.5	22.2	21.2	20.1	19.3
25°	44.4	39.0	35.7	32.8	29.8	27.5	25.4	23.3	22.1	20.9	19.9
23.75°	51.2	45.5	39.7	35.9	32.8	29.6	27.3	25.1	22.9	21.8	20.6
22.5°	59.0	51.9	45.9	39.7	35.7	32.4	29.1	26.8	24.5	22.6	21.4
21.25°	71.2	59.6	51.9	45.5	39.0	35.2	31.7	28.5	26.2	23.8	22.2
20°	91.4	71.2	59.0	51.2	44.4	37.8	34.3	30.7	27.7	25.3	22.9
18.75°	129.3	89.9	68.6	57.0	49.6	42.6	36.7	33.0	29.3	26.7	24.2
17.5°	173.8	123.9	85.9	65.6	54.6	47.4	40.0	35.2	31.5	28.1	25.5
16.25°	213.8	163.3	113.3	79.3	61.6	51.9	44.4	37.4	33.5	29.6	26.8
15°	246.3	202.0	146.0	97.5	70.2	56.4	48.5	40.7	35.4	31.4	27.9
13.75°	270.3	233.6	182.7	125.1	83.7	63.1	52.4	44.4	37.2	33.1	29.0
12.5°	292.8	256.8	212.7	154.9	101.3	70.7	56.0	47.8	39.6	34.7	30.5
11.25°	313.7	276.7	238.9	185.0	124.1	81.8	61.5	51.0	42.6	36.1	31.9
10°	336.3	294.9	256.4	209.1	147.1	92.6	66.5	53.8	45.4	37.4	33.2
8.75°	361.2	311.3	272.0	229.5	170.6	110.3	73.6	56.7	47.8	39.2	34.3
7.5°	383.3	326.1	285.7	245.4	191.2	125.8	81.2	60.4	50.0	41.2	35.3
6.25°	402.3	344.1	297.5	256.6	206.1	139.9	87.6	63.6	51.8	43.0	36.1
5°	418.2	359.0	307.3	265.8	218.2	153.7	94.8	66.3	53.3	44.4	36.8
3.75°	430.7	370.7	315.0	273.1	227.7	164.6	102.9	68.6	54.5	45.5	37.3
2.5°	439.7	379.2	320.5	278.3	234.5	172.5	108.8	71.5	55.3	46.4	37.7
1.25°	445.2	384.3	323.9	281.4	238.6	177.2	112.3	73.2	55.8	46.8	37.9
0°	447.0	386.0	325.0	282.5	240.0	178.8	113.5	73.8	56.0	47.0	38.0
-1.25°	445.2	384.3	323.9	281.4	238.6	177.2	112.3	73.2	55.8	46.8	37.9
-2.5°	439.7	379.2	320.5	278.3	234.5	172.5	108.8	71.5	55.3	46.4	37.7
-3.75°	430.7	370.7	315.0	273.1	227.7	164.6	102.9	68.6	54.5	45.5	37.3
-5°	418.2	359.0	307.3	265.8	218.2	153.7	94.8	66.3	53.3	44.4	36.8
-6.25°	402.3	344.1	297.5	256.6	206.1	139.9	87.6	63.6	51.8	43.0	36.1
-7.5°	383.3	326.1	285.7	245.4	191.2	125.8	81.2	60.4	50.0	41.2	35.3
-8.75°	361.2	311.3	272.0	229.5	170.6	110.3	73.6	56.7	47.8	39.2	34.3
-10°	336.3	294.9	256.4	209.1	147.1	92.6	66.5	53.8	45.4	37.4	33.2
-11.25°	313.7	276.7	238.9	185.0	124.1	81.8	61.5	51.0	42.6	36.1	31.9
-12.5°	292.8	256.8	212.7	154.9	101.3	70.7	56.0	47.8	39.6	34.7	30.5
-13.75°	270.3	233.6	182.7	125.1	83.7	63.1	52.4	44.4	37.2	33.1	29.0
-15°	246.3	202.0	146.0	97.5	70.2	56.4	48.5	40.7	35.4	31.4	27.9
-16.25°	213.8	163.3	113.3	79.3	61.6	51.9	44.4	37.4	33.5	29.6	26.8
-17.5°	173.8	123.9	85.9	65.6	54.6	47.4	40.0	35.2	31.5	28.1	25.5
-18.75°	129.3	89.9	68.6	57.0	49.6	42.6	36.7	33.0	29.3	26.7	24.2
-20°	91.4	71.2	59.0	51.2	44.4	37.8	34.3	30.7	27.7	25.3	22.9
-21.25°	71.2	59.6	51.9	45.5	39.0	35.2	31.7	28.5	26.2	23.8	22.2



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	59.0	51.9	45.9	39.7	35.7	32.4	29.1	26.8	24.5	22.6	21.4
-23.75°	51.2	45.5	39.7	35.9	32.8	29.6	27.3	25.1	22.9	21.8	20.6
-25°	44.4	39.0	35.7	32.8	29.8	27.5	25.4	23.3	22.1	20.9	19.9
-26.25°	37.8	35.2	32.4	29.6	27.5	25.5	23.5	22.2	21.2	20.1	19.3
-27.5°	34.3	31.7	29.1	27.3	25.4	23.5	22.3	21.3	20.2	19.5	18.7
-28.75°	30.7	28.5	26.8	25.1	23.3	22.2	21.3	20.3	19.5	18.8	18.1
-30°	27.7	26.2	24.5	22.9	22.1	21.2	20.2	19.5	18.9	18.2	17.8
-31.25°	25.3	23.8	22.6	21.8	20.9	20.1	19.5	18.8	18.2	17.8	17.5
-32.5°	22.9	22.2	21.4	20.6	19.9	19.3	18.7	18.1	17.8	17.5	17.1
-33.75°	21.7	21.0	20.2	19.6	19.1	18.6	18.0	17.7	17.4	17.1	16.8
-35°	20.4	19.8	19.3	18.9	18.3	17.9	17.6	17.4	17.1	16.8	16.5
-36.25°	19.4	19.0	18.5	18.1	17.8	17.5	17.3	17.0	16.7	16.4	16.1
-37.5°	18.6	18.1	17.9	17.6	17.4	17.1	16.9	16.6	16.4	16.1	15.8
-38.75°	17.9	17.6	17.4	17.2	17.0	16.8	16.5	16.3	16.0	15.7	15.5
-40°	17.4	17.2	17.0	16.8	16.6	16.4	16.1	15.9	15.6	15.4	15.1
-41.25°	17.0	16.8	16.6	16.4	16.2	16.0	15.7	15.5	15.3	15.0	15.0
-42.5°	16.5	16.4	16.2	16.0	15.8	15.6	15.3	15.1	15.0	15.0	15.0
-43.75°	16.1	15.9	15.7	15.6	15.4	15.2	15.0	15.0	15.0	15.0	15.0
-45°	15.7	15.5	15.3	15.1	15.0	15.0	15.0	15.0	15.0	14.9	14.6
-46.25°	15.2	15.1	15.0	15.0	15.0	15.0	15.0	14.9	14.7	14.5	14.3
-47.5°	15.0	15.0	15.0	15.0	15.0	14.9	14.7	14.5	14.3	14.1	13.9
-48.75°	15.0	15.0	15.0	14.8	14.7	14.5	14.3	14.1	13.9	13.7	13.5
-50°	14.9	14.7	14.6	14.4	14.3	14.1	13.9	13.7	13.5	13.3	13.1
-51.25°	14.4	14.3	14.1	14.0	13.8	13.7	13.5	13.3	13.1	12.9	12.7
-52.5°	14.0	13.8	13.7	13.5	13.4	13.2	13.1	12.9	12.7	12.5	12.4
-53.75°	13.5	13.4	13.2	13.1	13.0	12.8	12.7	12.5	12.3	12.1	12.0
-55°	13.0	12.9	12.8	12.7	12.5	12.4	12.2	12.1	11.9	11.7	11.6
-56.25°	12.6	12.5	12.4	12.2	12.1	12.0	11.8	11.7	11.5	11.3	11.2
-57.5°	12.1	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.8
-58.75°	11.7	11.6	11.5	11.3	11.2	11.1	11.0	10.8	10.7	10.5	10.4
-60°	11.2	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.1	10.0
-61.25°	10.7	10.7	10.6	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6
-62.5°	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2
-63.75°	9.8	9.7	9.6	9.6	9.5	9.3	9.2	9.1	9.0	8.9	8.8
-65°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4
-66.25°	8.9	8.8	8.7	8.7	8.6	8.5	8.4	8.3	8.2	8.1	7.9
-67.5°	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5
-68.75°	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.1
-70°	7.5	7.4	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7
-71.25°	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.5	6.4	6.3
-72.5°	6.6	6.5	6.5	6.4	6.3	6.3	6.2	6.1	6.0	6.0	6.0
-73.75°	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-76.25°	6.0	6.0	6.0	6.0	6.0	5.8	5.7	5.6	5.5	5.4	5.3
-77.5°	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.6	4.5	4.4



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	4.5	4.4	4.3	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.8
-80°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
-81.25°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
-82.5°	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5
-83.75°	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1
-85°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
-86.25°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
-88.75°	0.5	0.5	0.5	0.5	0.5	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
86.25°	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0
85°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
83.75°	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7
82.5°	2.5	2.5	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1
81.25°	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4
80°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
78.75°	3.7	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.2	3.2	3.1
77.5°	4.3	4.2	4.0	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.4
76.25°	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	4.0	3.9	3.8
75°	5.9	5.8	5.6	5.5	5.3	5.1	5.0	4.8	4.6	4.4	4.2
73.75°	6.0	6.0	6.0	6.0	6.0	5.9	5.7	5.5	5.3	5.1	4.9
72.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.8	5.6
71.25°	6.2	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70°	6.6	6.5	6.4	6.3	6.2	6.1	6.0	6.0	6.0	6.0	6.0
68.75°	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.1	6.0	6.0
67.5°	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.6	6.4	6.3	6.1
66.25°	7.8	7.7	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6	6.5
65°	8.2	8.1	8.0	7.8	7.7	7.6	7.4	7.3	7.1	7.0	6.8
63.75°	8.6	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.5	7.3	7.1
62.5°	9.0	8.9	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.4
61.25°	9.4	9.3	9.1	9.0	8.8	8.6	8.5	8.3	8.1	8.0	7.8
60°	9.8	9.7	9.5	9.3	9.2	9.0	8.8	8.7	8.5	8.3	8.1
58.75°	10.2	10.1	9.9	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4
57.5°	10.6	10.4	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7
56.25°	11.0	10.8	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.0
55°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3
53.75°	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.3	10.1	9.9	9.7
52.5°	12.2	12.0	11.8	11.6	11.3	11.1	10.9	10.7	10.4	10.2	10.0
51.25°	12.5	12.3	12.1	11.9	11.7	11.5	11.2	11.0	10.8	10.5	10.3
50°	12.9	12.7	12.5	12.3	12.0	11.8	11.6	11.3	11.1	10.8	10.6
48.75°	13.3	13.1	12.8	12.6	12.4	12.1	11.9	11.6	11.4	11.1	10.9
47.5°	13.7	13.4	13.2	13.0	12.7	12.5	12.2	11.9	11.7	11.4	11.1
46.25°	14.0	13.8	13.6	13.3	13.1	12.8	12.5	12.3	12.0	11.7	11.4
45°	14.4	14.2	13.9	13.6	13.4	13.1	12.8	12.6	12.3	12.0	11.7
43.75°	14.8	14.5	14.3	14.0	13.7	13.4	13.2	12.9	12.6	12.3	12.0
42.5°	15.0	14.9	14.6	14.3	14.0	13.8	13.5	13.2	12.9	12.6	12.3
41.25°	15.0	15.0	14.9	14.6	14.4	14.1	13.8	13.5	13.2	12.8	12.5
40°	15.0	15.0	15.0	15.0	14.7	14.4	14.1	13.8	13.4	13.1	12.8
38.75°	15.2	15.0	15.0	15.0	15.0	14.7	14.4	14.0	13.7	13.4	13.1
37.5°	15.5	15.2	15.0	15.0	15.0	15.0	14.6	14.3	14.0	13.6	13.3
36.25°	15.8	15.5	15.2	15.0	15.0	15.0	14.9	14.6	14.3	13.9	13.6
35°	16.2	15.9	15.5	15.2	15.0	15.0	15.0	14.9	14.5	14.2	13.8



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	16.5	16.2	15.8	15.5	15.2	15.0	15.0	15.0	14.8	14.4	14.0
32.5°	16.8	16.5	16.1	15.8	15.5	15.1	15.0	15.0	15.0	14.6	14.3
31.25°	17.1	16.8	16.4	16.1	15.7	15.4	15.0	15.0	15.0	14.9	14.5
30°	17.4	17.1	16.7	16.4	16.0	15.6	15.3	15.0	15.0	15.0	14.7
28.75°	17.7	17.4	17.0	16.6	16.3	15.9	15.5	15.1	15.0	15.0	14.9
27.5°	18.0	17.6	17.3	16.9	16.5	16.1	15.7	15.3	15.0	15.0	15.0
26.25°	18.6	17.9	17.5	17.1	16.8	16.4	16.0	15.6	15.2	15.0	15.0
25°	19.1	18.3	17.8	17.4	17.0	16.6	16.2	15.8	15.4	15.0	15.0
23.75°	19.6	18.9	18.1	17.6	17.2	16.8	16.4	16.0	15.6	15.1	15.0
22.5°	20.2	19.3	18.5	17.9	17.4	17.0	16.6	16.2	15.7	15.3	15.0
21.25°	21.0	19.8	19.0	18.1	17.6	17.2	16.8	16.4	15.9	15.5	15.1
20°	21.7	20.4	19.4	18.6	17.9	17.4	17.0	16.5	16.1	15.7	15.2
18.75°	22.3	21.0	19.8	19.0	18.1	17.6	17.2	16.7	16.3	15.8	15.4
17.5°	23.0	21.6	20.3	19.3	18.4	17.8	17.3	16.9	16.4	16.0	15.5
16.25°	24.1	22.2	20.9	19.7	18.8	17.9	17.5	17.0	16.6	16.1	15.6
15°	25.2	22.8	21.4	20.0	19.1	18.2	17.6	17.2	16.7	16.2	15.8
13.75°	26.3	23.5	21.9	20.5	19.4	18.5	17.8	17.3	16.8	16.4	15.9
12.5°	27.2	24.5	22.3	20.9	19.7	18.7	17.9	17.4	16.9	16.5	16.0
11.25°	28.1	25.3	22.7	21.3	19.9	19.0	18.0	17.5	17.0	16.6	16.1
10°	28.9	26.1	23.2	21.7	20.2	19.2	18.2	17.6	17.1	16.7	16.2
8.75°	30.0	26.7	23.8	22.0	20.5	19.4	18.4	17.7	17.2	16.7	16.2
7.5°	30.9	27.3	24.4	22.2	20.8	19.5	18.6	17.8	17.3	16.8	16.3
6.25°	31.7	27.8	24.9	22.5	21.0	19.7	18.7	17.9	17.4	16.9	16.4
5°	32.3	28.3	25.3	22.7	21.2	19.8	18.8	17.9	17.4	16.9	16.4
3.75°	32.8	28.6	25.6	22.8	21.3	19.9	18.9	17.9	17.4	17.0	16.5
2.5°	33.2	28.8	25.8	22.9	21.4	19.9	19.0	18.0	17.5	17.0	16.5
1.25°	33.4	29.0	26.0	23.0	21.5	20.0	19.0	18.0	17.5	17.0	16.5
0°	33.5	29.0	26.0	23.0	21.5	20.0	19.0	18.0	17.5	17.0	16.5
-1.25°	33.4	29.0	26.0	23.0	21.5	20.0	19.0	18.0	17.5	17.0	16.5
-2.5°	33.2	28.8	25.8	22.9	21.4	19.9	19.0	18.0	17.5	17.0	16.5
-3.75°	32.8	28.6	25.6	22.8	21.3	19.9	18.9	17.9	17.4	17.0	16.5
-5°	32.3	28.3	25.3	22.7	21.2	19.8	18.8	17.9	17.4	16.9	16.4
-6.25°	31.7	27.8	24.9	22.5	21.0	19.7	18.7	17.9	17.4	16.9	16.4
-7.5°	30.9	27.3	24.4	22.2	20.8	19.5	18.6	17.8	17.3	16.8	16.3
-8.75°	30.0	26.7	23.8	22.0	20.5	19.4	18.4	17.7	17.2	16.7	16.2
-10°	28.9	26.1	23.2	21.7	20.2	19.2	18.2	17.6	17.1	16.7	16.2
-11.25°	28.1	25.3	22.7	21.3	19.9	19.0	18.0	17.5	17.0	16.6	16.1
-12.5°	27.2	24.5	22.3	20.9	19.7	18.7	17.9	17.4	16.9	16.5	16.0
-13.75°	26.3	23.5	21.9	20.5	19.4	18.5	17.8	17.3	16.8	16.4	15.9
-15°	25.2	22.8	21.4	20.0	19.1	18.2	17.6	17.2	16.7	16.2	15.8
-16.25°	24.1	22.2	20.9	19.7	18.8	17.9	17.5	17.0	16.6	16.1	15.6
-17.5°	23.0	21.6	20.3	19.3	18.4	17.8	17.3	16.9	16.4	16.0	15.5
-18.75°	22.3	21.0	19.8	19.0	18.1	17.6	17.2	16.7	16.3	15.8	15.4
-20°	21.7	20.4	19.4	18.6	17.9	17.4	17.0	16.5	16.1	15.7	15.2
-21.25°	21.0	19.8	19.0	18.1	17.6	17.2	16.8	16.4	15.9	15.5	15.1



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	20.2	19.3	18.5	17.9	17.4	17.0	16.6	16.2	15.7	15.3	15.0
-23.75°	19.6	18.9	18.1	17.6	17.2	16.8	16.4	16.0	15.6	15.1	15.0
-25°	19.1	18.3	17.8	17.4	17.0	16.6	16.2	15.8	15.4	15.0	15.0
-26.25°	18.6	17.9	17.5	17.1	16.8	16.4	16.0	15.6	15.2	15.0	15.0
-27.5°	18.0	17.6	17.3	16.9	16.5	16.1	15.7	15.3	15.0	15.0	15.0
-28.75°	17.7	17.4	17.0	16.6	16.3	15.9	15.5	15.1	15.0	15.0	14.9
-30°	17.4	17.1	16.7	16.4	16.0	15.6	15.3	15.0	15.0	15.0	14.7
-31.25°	17.1	16.8	16.4	16.1	15.7	15.4	15.0	15.0	15.0	14.9	14.5
-32.5°	16.8	16.5	16.1	15.8	15.5	15.1	15.0	15.0	15.0	14.6	14.3
-33.75°	16.5	16.2	15.8	15.5	15.2	15.0	15.0	15.0	14.8	14.4	14.0
-35°	16.2	15.9	15.5	15.2	15.0	15.0	15.0	14.9	14.5	14.2	13.8
-36.25°	15.8	15.5	15.2	15.0	15.0	15.0	14.9	14.6	14.3	13.9	13.6
-37.5°	15.5	15.2	15.0	15.0	15.0	15.0	14.6	14.3	14.0	13.6	13.3
-38.75°	15.2	15.0	15.0	15.0	15.0	14.7	14.4	14.0	13.7	13.4	13.1
-40°	15.0	15.0	15.0	15.0	14.7	14.4	14.1	13.8	13.4	13.1	12.8
-41.25°	15.0	15.0	14.9	14.6	14.4	14.1	13.8	13.5	13.2	12.8	12.5
-42.5°	15.0	14.9	14.6	14.3	14.0	13.8	13.5	13.2	12.9	12.6	12.3
-43.75°	14.8	14.5	14.3	14.0	13.7	13.4	13.2	12.9	12.6	12.3	12.0
-45°	14.4	14.2	13.9	13.6	13.4	13.1	12.8	12.6	12.3	12.0	11.7
-46.25°	14.0	13.8	13.6	13.3	13.1	12.8	12.5	12.3	12.0	11.7	11.4
-47.5°	13.7	13.4	13.2	13.0	12.7	12.5	12.2	11.9	11.7	11.4	11.1
-48.75°	13.3	13.1	12.8	12.6	12.4	12.1	11.9	11.6	11.4	11.1	10.9
-50°	12.9	12.7	12.5	12.3	12.0	11.8	11.6	11.3	11.1	10.8	10.6
-51.25°	12.5	12.3	12.1	11.9	11.7	11.5	11.2	11.0	10.8	10.5	10.3
-52.5°	12.2	12.0	11.8	11.6	11.3	11.1	10.9	10.7	10.4	10.2	10.0
-53.75°	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.3	10.1	9.9	9.7
-55°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3
-56.25°	11.0	10.8	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.0
-57.5°	10.6	10.4	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7
-58.75°	10.2	10.1	9.9	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4
-60°	9.8	9.7	9.5	9.3	9.2	9.0	8.8	8.7	8.5	8.3	8.1
-61.25°	9.4	9.3	9.1	9.0	8.8	8.6	8.5	8.3	8.1	8.0	7.8
-62.5°	9.0	8.9	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.4
-63.75°	8.6	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.5	7.3	7.1
-65°	8.2	8.1	8.0	7.8	7.7	7.6	7.4	7.3	7.1	7.0	6.8
-66.25°	7.8	7.7	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6	6.5
-67.5°	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.6	6.4	6.3	6.1
-68.75°	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.1	6.0	6.0
-70°	6.6	6.5	6.4	6.3	6.2	6.1	6.0	6.0	6.0	6.0	6.0
-71.25°	6.2	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-72.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.8	5.6
-73.75°	6.0	6.0	6.0	6.0	6.0	5.9	5.7	5.5	5.3	5.1	4.9
-75°	5.9	5.8	5.6	5.5	5.3	5.1	5.0	4.8	4.6	4.4	4.2
-76.25°	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	4.0	3.9	3.8
-77.5°	4.3	4.2	4.0	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.4



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	3.7	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.2	3.2	3.1
-80°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
-81.25°	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4
-82.5°	2.5	2.5	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1
-83.75°	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7
-85°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
-86.25°	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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	0.4	0.4	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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	0.3	0.3	0.3	0.3	0.3	0.3	0.2
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
86.25°	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7
85°	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
83.75°	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
82.5°	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.5
81.25°	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7
80°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
78.75°	3.0	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2
77.5°	3.4	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5
76.25°	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
75°	4.1	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0
73.75°	4.7	4.5	4.3	4.1	3.9	3.8	3.7	3.6	3.5	3.3	3.2
72.5°	5.4	5.1	4.9	4.7	4.4	4.2	4.0	3.8	3.7	3.6	3.5
71.25°	6.0	5.8	5.5	5.3	5.0	4.8	4.5	4.2	4.0	3.8	3.7
70°	6.0	6.0	6.0	5.9	5.6	5.3	5.1	4.8	4.5	4.2	3.9
68.75°	6.0	6.0	6.0	6.0	6.0	5.9	5.6	5.3	5.0	4.7	4.4
67.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.8	5.5	5.2	4.8
66.25°	6.3	6.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.6	5.3
65°	6.6	6.5	6.3	6.1	6.0	6.0	6.0	6.0	6.0	6.0	5.8
63.75°	7.0	6.8	6.6	6.4	6.2	6.1	6.0	6.0	6.0	6.0	6.0
62.5°	7.3	7.1	6.9	6.7	6.5	6.3	6.1	6.0	6.0	6.0	6.0
61.25°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	6.0	6.0
60°	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.2	6.0	6.0
58.75°	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.7	6.5	6.2	6.0
57.5°	8.5	8.3	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.5	6.2
56.25°	8.8	8.6	8.4	8.1	7.9	7.7	7.4	7.2	6.9	6.7	6.5
55°	9.1	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.2	6.9	6.7
53.75°	9.4	9.2	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.9
52.5°	9.7	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.6	7.4	7.1
51.25°	10.0	9.7	9.5	9.2	9.0	8.7	8.4	8.1	7.9	7.6	7.3
50°	10.3	10.0	9.8	9.5	9.2	8.9	8.7	8.4	8.1	7.8	7.5
48.75°	10.6	10.3	10.0	9.7	9.5	9.2	8.9	8.6	8.3	8.0	7.7
47.5°	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9
46.25°	11.1	10.9	10.6	10.3	10.0	9.7	9.3	9.0	8.7	8.4	8.1
45°	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3
43.75°	11.7	11.4	11.1	10.8	10.4	10.1	9.8	9.5	9.1	8.8	8.5
42.5°	11.9	11.6	11.3	11.0	10.7	10.3	10.0	9.7	9.3	9.0	8.7
41.25°	12.2	11.9	11.6	11.2	10.9	10.6	10.2	9.9	9.5	9.2	8.8
40°	12.5	12.1	11.8	11.5	11.1	10.8	10.4	10.1	9.7	9.4	9.0
38.75°	12.7	12.4	12.0	11.7	11.3	11.0	10.6	10.3	9.9	9.5	9.2
37.5°	13.0	12.6	12.3	11.9	11.6	11.2	10.8	10.5	10.1	9.7	9.3
36.25°	13.2	12.8	12.5	12.1	11.8	11.4	11.0	10.6	10.3	9.9	9.5
35°	13.4	13.1	12.7	12.3	12.0	11.6	11.2	10.8	10.4	10.1	9.7



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	13.7	13.3	12.9	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.8
32.5°	13.9	13.5	13.1	12.7	12.4	12.0	11.6	11.2	10.8	10.4	10.0
31.25°	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.3	10.9	10.5	10.1
30°	14.3	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.1	10.7	10.3
28.75°	14.5	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.2	10.8	10.4
27.5°	14.7	14.3	13.9	13.5	13.1	12.7	12.2	11.8	11.4	11.0	10.5
26.25°	14.9	14.5	14.1	13.7	13.2	12.8	12.4	12.0	11.5	11.1	10.7
25°	15.0	14.7	14.3	13.8	13.4	13.0	12.5	12.1	11.7	11.2	10.8
23.75°	15.0	14.8	14.4	14.0	13.5	13.1	12.7	12.2	11.8	11.3	10.9
22.5°	15.0	15.0	14.6	14.1	13.7	13.2	12.8	12.4	11.9	11.5	11.0
21.25°	15.0	15.0	14.7	14.3	13.8	13.4	12.9	12.5	12.0	11.6	11.1
20°	15.0	15.0	14.9	14.4	14.0	13.5	13.0	12.6	12.1	11.7	11.2
18.75°	15.0	15.0	15.0	14.5	14.1	13.6	13.2	12.7	12.2	11.8	11.3
17.5°	15.0	15.0	15.0	14.7	14.2	13.7	13.3	12.8	12.3	11.9	11.4
16.25°	15.2	15.0	15.0	14.8	14.3	13.8	13.4	12.9	12.4	11.9	11.5
15°	15.3	15.0	15.0	14.9	14.4	13.9	13.5	13.0	12.5	12.0	11.6
13.75°	15.4	15.0	15.0	15.0	14.5	14.0	13.5	13.1	12.6	12.1	11.6
12.5°	15.5	15.0	15.0	15.0	14.6	14.1	13.6	13.1	12.7	12.2	11.7
11.25°	15.6	15.1	15.0	15.0	14.7	14.2	13.7	13.2	12.7	12.2	11.7
10°	15.7	15.2	15.0	15.0	14.7	14.2	13.8	13.3	12.8	12.3	11.8
8.75°	15.8	15.3	15.0	15.0	14.8	14.3	13.8	13.3	12.8	12.3	11.8
7.5°	15.8	15.3	15.0	15.0	14.8	14.4	13.9	13.4	12.9	12.4	11.9
6.25°	15.9	15.4	15.0	15.0	14.9	14.4	13.9	13.4	12.9	12.4	11.9
5°	15.9	15.4	15.0	15.0	14.9	14.4	13.9	13.4	12.9	12.4	11.9
3.75°	16.0	15.5	15.0	15.0	15.0	14.5	14.0	13.5	13.0	12.5	12.0
2.5°	16.0	15.5	15.0	15.0	15.0	14.5	14.0	13.5	13.0	12.5	12.0
1.25°	16.0	15.5	15.0	15.0	15.0	14.5	14.0	13.5	13.0	12.5	12.0
0°	16.0	15.5	15.0	15.0	15.0	14.5	14.0	13.5	13.0	12.5	12.0
-1.25°	16.0	15.5	15.0	15.0	15.0	14.5	14.0	13.5	13.0	12.5	12.0
-2.5°	16.0	15.5	15.0	15.0	15.0	14.5	14.0	13.5	13.0	12.5	12.0
-3.75°	16.0	15.5	15.0	15.0	15.0	14.5	14.0	13.5	13.0	12.5	12.0
-5°	15.9	15.4	15.0	15.0	14.9	14.4	13.9	13.4	12.9	12.4	11.9
-6.25°	15.9	15.4	15.0	15.0	14.9	14.4	13.9	13.4	12.9	12.4	11.9
-7.5°	15.8	15.3	15.0	15.0	14.8	14.4	13.9	13.4	12.9	12.4	11.9
-8.75°	15.8	15.3	15.0	15.0	14.8	14.3	13.8	13.3	12.8	12.3	11.8
-10°	15.7	15.2	15.0	15.0	14.7	14.2	13.8	13.3	12.8	12.3	11.8
-11.25°	15.6	15.1	15.0	15.0	14.7	14.2	13.7	13.2	12.7	12.2	11.7
-12.5°	15.5	15.0	15.0	15.0	14.6	14.1	13.6	13.1	12.7	12.2	11.7
-13.75°	15.4	15.0	15.0	15.0	14.5	14.0	13.5	13.1	12.6	12.1	11.6
-15°	15.3	15.0	15.0	14.9	14.4	13.9	13.5	13.0	12.5	12.0	11.6
-16.25°	15.2	15.0	15.0	14.8	14.3	13.8	13.4	12.9	12.4	11.9	11.5
-17.5°	15.0	15.0	15.0	14.7	14.2	13.7	13.3	12.8	12.3	11.9	11.4
-18.75°	15.0	15.0	15.0	14.5	14.1	13.6	13.2	12.7	12.2	11.8	11.3
-20°	15.0	15.0	14.9	14.4	14.0	13.5	13.0	12.6	12.1	11.7	11.2
-21.25°	15.0	15.0	14.7	14.3	13.8	13.4	12.9	12.5	12.0	11.6	11.1



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	15.0	15.0	14.6	14.1	13.7	13.2	12.8	12.4	11.9	11.5	11.0
-23.75°	15.0	14.8	14.4	14.0	13.5	13.1	12.7	12.2	11.8	11.3	10.9
-25°	15.0	14.7	14.3	13.8	13.4	13.0	12.5	12.1	11.7	11.2	10.8
-26.25°	14.9	14.5	14.1	13.7	13.2	12.8	12.4	12.0	11.5	11.1	10.7
-27.5°	14.7	14.3	13.9	13.5	13.1	12.7	12.2	11.8	11.4	11.0	10.5
-28.75°	14.5	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.2	10.8	10.4
-30°	14.3	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.1	10.7	10.3
-31.25°	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.3	10.9	10.5	10.1
-32.5°	13.9	13.5	13.1	12.7	12.4	12.0	11.6	11.2	10.8	10.4	10.0
-33.75°	13.7	13.3	12.9	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.8
-35°	13.4	13.1	12.7	12.3	12.0	11.6	11.2	10.8	10.4	10.1	9.7
-36.25°	13.2	12.8	12.5	12.1	11.8	11.4	11.0	10.6	10.3	9.9	9.5
-37.5°	13.0	12.6	12.3	11.9	11.6	11.2	10.8	10.5	10.1	9.7	9.3
-38.75°	12.7	12.4	12.0	11.7	11.3	11.0	10.6	10.3	9.9	9.5	9.2
-40°	12.5	12.1	11.8	11.5	11.1	10.8	10.4	10.1	9.7	9.4	9.0
-41.25°	12.2	11.9	11.6	11.2	10.9	10.6	10.2	9.9	9.5	9.2	8.8
-42.5°	11.9	11.6	11.3	11.0	10.7	10.3	10.0	9.7	9.3	9.0	8.7
-43.75°	11.7	11.4	11.1	10.8	10.4	10.1	9.8	9.5	9.1	8.8	8.5
-45°	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3
-46.25°	11.1	10.9	10.6	10.3	10.0	9.7	9.3	9.0	8.7	8.4	8.1
-47.5°	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9
-48.75°	10.6	10.3	10.0	9.7	9.5	9.2	8.9	8.6	8.3	8.0	7.7
-50°	10.3	10.0	9.8	9.5	9.2	8.9	8.7	8.4	8.1	7.8	7.5
-51.25°	10.0	9.7	9.5	9.2	9.0	8.7	8.4	8.1	7.9	7.6	7.3
-52.5°	9.7	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.6	7.4	7.1
-53.75°	9.4	9.2	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.9
-55°	9.1	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.2	6.9	6.7
-56.25°	8.8	8.6	8.4	8.1	7.9	7.7	7.4	7.2	6.9	6.7	6.5
-57.5°	8.5	8.3	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.5	6.2
-58.75°	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.7	6.5	6.2	6.0
-60°	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.2	6.0	6.0
-61.25°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	6.0	6.0
-62.5°	7.3	7.1	6.9	6.7	6.5	6.3	6.1	6.0	6.0	6.0	6.0
-63.75°	7.0	6.8	6.6	6.4	6.2	6.1	6.0	6.0	6.0	6.0	6.0
-65°	6.6	6.5	6.3	6.1	6.0	6.0	6.0	6.0	6.0	6.0	5.8
-66.25°	6.3	6.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.6	5.3
-67.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.8	5.5	5.2	4.8
-68.75°	6.0	6.0	6.0	6.0	6.0	5.9	5.6	5.3	5.0	4.7	4.4
-70°	6.0	6.0	6.0	5.9	5.6	5.3	5.1	4.8	4.5	4.2	3.9
-71.25°	6.0	5.8	5.5	5.3	5.0	4.8	4.5	4.2	4.0	3.8	3.7
-72.5°	5.4	5.1	4.9	4.7	4.4	4.2	4.0	3.8	3.7	3.6	3.5
-73.75°	4.7	4.5	4.3	4.1	3.9	3.8	3.7	3.6	3.5	3.3	3.2
-75°	4.1	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0
-76.25°	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-77.5°	3.4	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	3.0	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2
-80°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
-81.25°	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7
-82.5°	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.5
-83.75°	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
-85°	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
-86.25°	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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	0.2	0.2	0.2	0.2	0.1
87.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
86.25°	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4
85°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
83.75°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
82.5°	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.8
81.25°	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.0	1.0
80°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
78.75°	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3
77.5°	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4
76.25°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6	1.5
75°	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.7
73.75°	3.1	3.0	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8
72.5°	3.3	3.2	3.1	2.9	2.8	2.6	2.5	2.4	2.2	2.1	1.9
71.25°	3.6	3.4	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1
70°	3.8	3.6	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.4	2.2
68.75°	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.8	2.7	2.5	2.3
67.5°	4.5	4.1	3.9	3.7	3.5	3.4	3.2	3.0	2.8	2.6	2.5
66.25°	4.9	4.6	4.2	3.9	3.7	3.5	3.4	3.2	3.0	2.8	2.6
65°	5.4	5.0	4.6	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.7
63.75°	5.8	5.4	5.0	4.6	4.2	3.9	3.7	3.5	3.3	3.1	2.8
62.5°	6.0	5.8	5.4	5.0	4.6	4.1	3.9	3.6	3.4	3.2	3.0
61.25°	6.0	6.0	5.8	5.4	4.9	4.5	4.0	3.8	3.6	3.3	3.1
60°	6.0	6.0	6.0	5.8	5.3	4.8	4.4	3.9	3.7	3.5	3.2
58.75°	6.0	6.0	6.0	6.0	5.6	5.2	4.7	4.2	3.8	3.6	3.3
57.5°	6.0	6.0	6.0	6.0	6.0	5.5	5.0	4.5	4.0	3.7	3.5
56.25°	6.2	6.0	6.0	6.0	6.0	5.8	5.3	4.8	4.2	3.8	3.6
55°	6.4	6.1	6.0	6.0	6.0	6.0	5.6	5.1	4.5	4.0	3.7
53.75°	6.6	6.3	6.1	6.0	6.0	6.0	5.9	5.3	4.8	4.2	3.8
52.5°	6.8	6.5	6.2	6.0	6.0	6.0	6.0	5.6	5.0	4.4	3.9
51.25°	7.0	6.7	6.4	6.1	6.0	6.0	6.0	5.9	5.3	4.7	4.1
50°	7.2	6.9	6.6	6.3	6.0	6.0	6.0	6.0	5.5	4.9	4.3
48.75°	7.4	7.1	6.8	6.5	6.2	6.0	6.0	6.0	5.8	5.1	4.5
47.5°	7.6	7.3	7.0	6.6	6.3	6.0	6.0	6.0	6.0	5.4	4.7
46.25°	7.8	7.4	7.1	6.8	6.5	6.1	6.0	6.0	6.0	5.6	4.9
45°	8.0	7.6	7.3	7.0	6.6	6.3	6.0	6.0	6.0	5.8	5.1
43.75°	8.1	7.8	7.5	7.1	6.8	6.4	6.1	6.0	6.0	6.0	5.3
42.5°	8.3	8.0	7.6	7.3	6.9	6.6	6.2	6.0	6.0	6.0	5.5
41.25°	8.5	8.1	7.8	7.4	7.1	6.7	6.3	6.0	6.0	6.0	5.7
40°	8.6	8.3	7.9	7.6	7.2	6.8	6.4	6.1	6.0	6.0	5.9
38.75°	8.8	8.4	8.1	7.7	7.3	6.9	6.6	6.2	6.0	6.0	6.0
37.5°	9.0	8.6	8.2	7.8	7.5	7.1	6.7	6.3	6.0	6.0	6.0
36.25°	9.1	8.7	8.4	8.0	7.6	7.2	6.8	6.4	6.0	6.0	6.0
35°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	6.0	6.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	6.0	6.0
32.5°	9.6	9.2	8.8	8.4	7.9	7.5	7.1	6.7	6.3	6.0	6.0
31.25°	9.7	9.3	8.9	8.5	8.1	7.6	7.2	6.8	6.4	6.0	6.0
30°	9.8	9.4	9.0	8.6	8.2	7.7	7.3	6.9	6.5	6.0	6.0
28.75°	10.0	9.6	9.1	8.7	8.3	7.8	7.4	7.0	6.5	6.1	6.0
27.5°	10.1	9.7	9.2	8.8	8.4	7.9	7.5	7.1	6.6	6.2	6.0
26.25°	10.2	9.8	9.3	8.9	8.5	8.0	7.6	7.1	6.7	6.3	6.0
25°	10.3	9.9	9.5	9.0	8.6	8.1	7.7	7.2	6.8	6.3	6.0
23.75°	10.4	10.0	9.6	9.1	8.7	8.2	7.7	7.3	6.8	6.4	6.0
22.5°	10.6	10.1	9.6	9.2	8.7	8.3	7.8	7.4	6.9	6.5	6.0
21.25°	10.7	10.2	9.7	9.3	8.8	8.4	7.9	7.4	7.0	6.5	6.0
20°	10.7	10.3	9.8	9.4	8.9	8.4	8.0	7.5	7.0	6.6	6.1
18.75°	10.8	10.4	9.9	9.4	9.0	8.5	8.0	7.6	7.1	6.6	6.1
17.5°	10.9	10.5	10.0	9.5	9.0	8.6	8.1	7.6	7.1	6.7	6.2
16.25°	11.0	10.5	10.1	9.6	9.1	8.6	8.1	7.7	7.2	6.7	6.2
15°	11.1	10.6	10.1	9.6	9.2	8.7	8.2	7.7	7.2	6.8	6.3
13.75°	11.1	10.7	10.2	9.7	9.2	8.7	8.2	7.8	7.3	6.8	6.3
12.5°	11.2	10.7	10.2	9.7	9.3	8.8	8.3	7.8	7.3	6.8	6.3
11.25°	11.3	10.8	10.3	9.8	9.3	8.8	8.3	7.8	7.4	6.9	6.4
10°	11.3	10.8	10.3	9.8	9.3	8.9	8.4	7.9	7.4	6.9	6.4
8.75°	11.4	10.9	10.4	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4
7.5°	11.4	10.9	10.4	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4
6.25°	11.4	10.9	10.4	9.9	9.4	8.9	8.4	8.0	7.5	7.0	6.5
5°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
3.75°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
2.5°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
1.25°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
0°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
-1.25°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
-2.5°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
-3.75°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
-5°	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5
-6.25°	11.4	10.9	10.4	9.9	9.4	8.9	8.4	8.0	7.5	7.0	6.5
-7.5°	11.4	10.9	10.4	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4
-8.75°	11.4	10.9	10.4	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4
-10°	11.3	10.8	10.3	9.8	9.3	8.9	8.4	7.9	7.4	6.9	6.4
-11.25°	11.3	10.8	10.3	9.8	9.3	8.8	8.3	7.8	7.4	6.9	6.4
-12.5°	11.2	10.7	10.2	9.7	9.3	8.8	8.3	7.8	7.3	6.8	6.3
-13.75°	11.1	10.7	10.2	9.7	9.2	8.7	8.2	7.8	7.3	6.8	6.3
-15°	11.1	10.6	10.1	9.6	9.2	8.7	8.2	7.7	7.2	6.8	6.3
-16.25°	11.0	10.5	10.1	9.6	9.1	8.6	8.1	7.7	7.2	6.7	6.2
-17.5°	10.9	10.5	10.0	9.5	9.0	8.6	8.1	7.6	7.1	6.7	6.2
-18.75°	10.8	10.4	9.9	9.4	9.0	8.5	8.0	7.6	7.1	6.6	6.1
-20°	10.7	10.3	9.8	9.4	8.9	8.4	8.0	7.5	7.0	6.6	6.1
-21.25°	10.7	10.2	9.7	9.3	8.8	8.4	7.9	7.4	7.0	6.5	6.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	10.6	10.1	9.6	9.2	8.7	8.3	7.8	7.4	6.9	6.5	6.0
-23.75°	10.4	10.0	9.6	9.1	8.7	8.2	7.7	7.3	6.8	6.4	6.0
-25°	10.3	9.9	9.5	9.0	8.6	8.1	7.7	7.2	6.8	6.3	6.0
-26.25°	10.2	9.8	9.3	8.9	8.5	8.0	7.6	7.1	6.7	6.3	6.0
-27.5°	10.1	9.7	9.2	8.8	8.4	7.9	7.5	7.1	6.6	6.2	6.0
-28.75°	10.0	9.6	9.1	8.7	8.3	7.8	7.4	7.0	6.5	6.1	6.0
-30°	9.8	9.4	9.0	8.6	8.2	7.7	7.3	6.9	6.5	6.0	6.0
-31.25°	9.7	9.3	8.9	8.5	8.1	7.6	7.2	6.8	6.4	6.0	6.0
-32.5°	9.6	9.2	8.8	8.4	7.9	7.5	7.1	6.7	6.3	6.0	6.0
-33.75°	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	6.0	6.0
-35°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	6.0	6.0
-36.25°	9.1	8.7	8.4	8.0	7.6	7.2	6.8	6.4	6.0	6.0	6.0
-37.5°	9.0	8.6	8.2	7.8	7.5	7.1	6.7	6.3	6.0	6.0	6.0
-38.75°	8.8	8.4	8.1	7.7	7.3	6.9	6.6	6.2	6.0	6.0	6.0
-40°	8.6	8.3	7.9	7.6	7.2	6.8	6.4	6.1	6.0	6.0	5.9
-41.25°	8.5	8.1	7.8	7.4	7.1	6.7	6.3	6.0	6.0	6.0	5.7
-42.5°	8.3	8.0	7.6	7.3	6.9	6.6	6.2	6.0	6.0	6.0	5.5
-43.75°	8.1	7.8	7.5	7.1	6.8	6.4	6.1	6.0	6.0	6.0	5.3
-45°	8.0	7.6	7.3	7.0	6.6	6.3	6.0	6.0	6.0	5.8	5.1
-46.25°	7.8	7.4	7.1	6.8	6.5	6.1	6.0	6.0	6.0	5.6	4.9
-47.5°	7.6	7.3	7.0	6.6	6.3	6.0	6.0	6.0	6.0	5.4	4.7
-48.75°	7.4	7.1	6.8	6.5	6.2	6.0	6.0	6.0	5.8	5.1	4.5
-50°	7.2	6.9	6.6	6.3	6.0	6.0	6.0	6.0	5.5	4.9	4.3
-51.25°	7.0	6.7	6.4	6.1	6.0	6.0	6.0	5.9	5.3	4.7	4.1
-52.5°	6.8	6.5	6.2	6.0	6.0	6.0	6.0	5.6	5.0	4.4	3.9
-53.75°	6.6	6.3	6.1	6.0	6.0	6.0	5.9	5.3	4.8	4.2	3.8
-55°	6.4	6.1	6.0	6.0	6.0	6.0	5.6	5.1	4.5	4.0	3.7
-56.25°	6.2	6.0	6.0	6.0	6.0	5.8	5.3	4.8	4.2	3.8	3.6
-57.5°	6.0	6.0	6.0	6.0	6.0	5.5	5.0	4.5	4.0	3.7	3.5
-58.75°	6.0	6.0	6.0	6.0	5.6	5.2	4.7	4.2	3.8	3.6	3.3
-60°	6.0	6.0	6.0	5.8	5.3	4.8	4.4	3.9	3.7	3.5	3.2
-61.25°	6.0	6.0	5.8	5.4	4.9	4.5	4.0	3.8	3.6	3.3	3.1
-62.5°	6.0	5.8	5.4	5.0	4.6	4.1	3.9	3.6	3.4	3.2	3.0
-63.75°	5.8	5.4	5.0	4.6	4.2	3.9	3.7	3.5	3.3	3.1	2.8
-65°	5.4	5.0	4.6	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.7
-66.25°	4.9	4.6	4.2	3.9	3.7	3.5	3.4	3.2	3.0	2.8	2.6
-67.5°	4.5	4.1	3.9	3.7	3.5	3.4	3.2	3.0	2.8	2.6	2.5
-68.75°	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.8	2.7	2.5	2.3
-70°	3.8	3.6	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.4	2.2
-71.25°	3.6	3.4	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1
-72.5°	3.3	3.2	3.1	2.9	2.8	2.6	2.5	2.4	2.2	2.1	1.9
-73.75°	3.1	3.0	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8
-75°	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.7
-76.25°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6	1.5
-77.5°	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3
-80°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
-81.25°	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.0	1.0
-82.5°	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.8
-83.75°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
-85°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-86.25°	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4
-87.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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	0.1	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
86.25°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
85°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
83.75°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
82.5°	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
81.25°	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
80°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
78.75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
77.5°	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3	0.2
76.25°	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
75°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
73.75°	1.7	1.5	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3
72.5°	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.3
71.25°	1.9	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
70°	2.0	1.9	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.3
68.75°	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.7	0.5	0.4
67.5°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
66.25°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
65°	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.8	0.6	0.4
63.75°	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.4
62.5°	2.7	2.5	2.3	2.1	1.8	1.6	1.4	1.2	0.9	0.7	0.5
61.25°	2.9	2.6	2.4	2.2	1.9	1.7	1.4	1.2	1.0	0.7	0.5
60°	3.0	2.7	2.5	2.2	2.0	1.7	1.5	1.2	1.0	0.7	0.5
58.75°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
57.5°	3.2	2.9	2.7	2.4	2.1	1.9	1.6	1.3	1.1	0.8	0.5
56.25°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
55°	3.4	3.1	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
53.75°	3.5	3.2	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
52.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
51.25°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.3	0.9	0.6
50°	3.8	3.5	3.2	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.6
48.75°	3.9	3.6	3.3	3.0	2.6	2.3	2.0	1.6	1.3	1.0	0.7
47.5°	4.1	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.7
46.25°	4.2	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
45°	4.4	3.9	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
43.75°	4.6	4.0	3.6	3.2	2.9	2.5	2.2	1.8	1.4	1.1	0.7
42.5°	4.8	4.1	3.7	3.3	2.9	2.6	2.2	1.8	1.5	1.1	0.7
41.25°	5.0	4.2	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8
40°	5.1	4.4	3.8	3.4	3.1	2.7	2.3	1.9	1.5	1.1	0.8
38.75°	5.3	4.5	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
37.5°	5.5	4.7	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
36.25°	5.6	4.8	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
35°	5.8	5.0	4.2	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.8



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
33.75°	5.9	5.1	4.3	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
32.5°	6.0	5.3	4.4	3.8	3.4	2.9	2.5	2.1	1.7	1.3	0.8
31.25°	6.0	5.4	4.5	3.8	3.4	3.0	2.6	2.1	1.7	1.3	0.9
30°	6.0	5.5	4.6	3.9	3.5	3.0	2.6	2.2	1.7	1.3	0.9
28.75°	6.0	5.6	4.8	3.9	3.5	3.1	2.6	2.2	1.8	1.3	0.9
27.5°	6.0	5.7	4.9	4.0	3.5	3.1	2.7	2.2	1.8	1.3	0.9
26.25°	6.0	5.8	5.0	4.1	3.6	3.1	2.7	2.2	1.8	1.3	0.9
25°	6.0	6.0	5.1	4.1	3.6	3.2	2.7	2.3	1.8	1.4	0.9
23.75°	6.0	6.0	5.1	4.2	3.7	3.2	2.7	2.3	1.8	1.4	0.9
22.5°	6.0	6.0	5.2	4.3	3.7	3.2	2.8	2.3	1.8	1.4	0.9
21.25°	6.0	6.0	5.3	4.4	3.7	3.3	2.8	2.3	1.9	1.4	0.9
20°	6.0	6.0	5.4	4.5	3.8	3.3	2.8	2.3	1.9	1.4	0.9
18.75°	6.0	6.0	5.5	4.5	3.8	3.3	2.8	2.4	1.9	1.4	0.9
17.5°	6.0	6.0	5.5	4.6	3.8	3.3	2.9	2.4	1.9	1.4	1.0
16.25°	6.0	6.0	5.6	4.6	3.8	3.4	2.9	2.4	1.9	1.4	1.0
15°	6.0	6.0	5.7	4.7	3.9	3.4	2.9	2.4	1.9	1.4	1.0
13.75°	6.0	6.0	5.7	4.7	3.9	3.4	2.9	2.4	1.9	1.5	1.0
12.5°	6.0	6.0	5.8	4.8	3.9	3.4	2.9	2.4	2.0	1.5	1.0
11.25°	6.0	6.0	5.8	4.8	3.9	3.4	2.9	2.5	2.0	1.5	1.0
10°	6.0	6.0	5.8	4.9	3.9	3.4	3.0	2.5	2.0	1.5	1.0
8.75°	6.0	6.0	5.9	4.9	4.0	3.5	3.0	2.5	2.0	1.5	1.0
7.5°	6.0	6.0	5.9	4.9	4.0	3.5	3.0	2.5	2.0	1.5	1.0
6.25°	6.0	6.0	5.9	4.9	4.0	3.5	3.0	2.5	2.0	1.5	1.0
5°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
3.75°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
2.5°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
1.25°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
0°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-1.25°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-2.5°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-3.75°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-5°	6.0	6.0	6.0	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-6.25°	6.0	6.0	5.9	4.9	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-7.5°	6.0	6.0	5.9	4.9	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-8.75°	6.0	6.0	5.9	4.9	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-10°	6.0	6.0	5.8	4.9	3.9	3.4	3.0	2.5	2.0	1.5	1.0
-11.25°	6.0	6.0	5.8	4.8	3.9	3.4	2.9	2.5	2.0	1.5	1.0
-12.5°	6.0	6.0	5.8	4.8	3.9	3.4	2.9	2.4	2.0	1.5	1.0
-13.75°	6.0	6.0	5.7	4.7	3.9	3.4	2.9	2.4	1.9	1.5	1.0
-15°	6.0	6.0	5.7	4.7	3.9	3.4	2.9	2.4	1.9	1.4	1.0
-16.25°	6.0	6.0	5.6	4.6	3.8	3.4	2.9	2.4	1.9	1.4	1.0
-17.5°	6.0	6.0	5.5	4.6	3.8	3.3	2.9	2.4	1.9	1.4	1.0
-18.75°	6.0	6.0	5.5	4.5	3.8	3.3	2.8	2.4	1.9	1.4	0.9
-20°	6.0	6.0	5.4	4.5	3.8	3.3	2.8	2.3	1.9	1.4	0.9
-21.25°	6.0	6.0	5.3	4.4	3.7	3.3	2.8	2.3	1.9	1.4	0.9



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-22.5°	6.0	6.0	5.2	4.3	3.7	3.2	2.8	2.3	1.8	1.4	0.9
-23.75°	6.0	6.0	5.1	4.2	3.7	3.2	2.7	2.3	1.8	1.4	0.9
-25°	6.0	6.0	5.1	4.1	3.6	3.2	2.7	2.3	1.8	1.4	0.9
-26.25°	6.0	5.8	5.0	4.1	3.6	3.1	2.7	2.2	1.8	1.3	0.9
-27.5°	6.0	5.7	4.9	4.0	3.5	3.1	2.7	2.2	1.8	1.3	0.9
-28.75°	6.0	5.6	4.8	3.9	3.5	3.1	2.6	2.2	1.8	1.3	0.9
-30°	6.0	5.5	4.6	3.9	3.5	3.0	2.6	2.2	1.7	1.3	0.9
-31.25°	6.0	5.4	4.5	3.8	3.4	3.0	2.6	2.1	1.7	1.3	0.9
-32.5°	6.0	5.3	4.4	3.8	3.4	2.9	2.5	2.1	1.7	1.3	0.8
-33.75°	5.9	5.1	4.3	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-35°	5.8	5.0	4.2	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.8
-36.25°	5.6	4.8	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-37.5°	5.5	4.7	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-38.75°	5.3	4.5	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
-40°	5.1	4.4	3.8	3.4	3.1	2.7	2.3	1.9	1.5	1.1	0.8
-41.25°	5.0	4.2	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8
-42.5°	4.8	4.1	3.7	3.3	2.9	2.6	2.2	1.8	1.5	1.1	0.7
-43.75°	4.6	4.0	3.6	3.2	2.9	2.5	2.2	1.8	1.4	1.1	0.7
-45°	4.4	3.9	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
-46.25°	4.2	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-47.5°	4.1	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.7
-48.75°	3.9	3.6	3.3	3.0	2.6	2.3	2.0	1.6	1.3	1.0	0.7
-50°	3.8	3.5	3.2	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.6
-51.25°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.3	0.9	0.6
-52.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-53.75°	3.5	3.2	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-55°	3.4	3.1	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
-56.25°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
-57.5°	3.2	2.9	2.7	2.4	2.1	1.9	1.6	1.3	1.1	0.8	0.5
-58.75°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-60°	3.0	2.7	2.5	2.2	2.0	1.7	1.5	1.2	1.0	0.7	0.5
-61.25°	2.9	2.6	2.4	2.2	1.9	1.7	1.4	1.2	1.0	0.7	0.5
-62.5°	2.7	2.5	2.3	2.1	1.8	1.6	1.4	1.2	0.9	0.7	0.5
-63.75°	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.4
-65°	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.8	0.6	0.4
-66.25°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-67.5°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
-68.75°	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.7	0.5	0.4
-70°	2.0	1.9	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.3
-71.25°	1.9	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
-72.5°	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.3
-73.75°	1.7	1.5	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3
-75°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
-76.25°	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
-77.5°	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3	0.2



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°
-78.75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-80°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
-81.25°	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-82.5°	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
-83.75°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-85°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-86.25°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-87.5°	0.3	0.2	0.2	0.2	0.2	0.2	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	0.1	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



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.0	0.0
86.25°	0.0	0.0
85°	0.0	0.0
83.75°	0.1	0.0
82.5°	0.1	0.0
81.25°	0.1	0.0
80°	0.1	0.0
78.75°	0.1	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°	0.2	0.0
71.25°	0.2	0.0
70°	0.2	0.0
68.75°	0.2	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°	0.3	0.0
57.5°	0.3	0.0
56.25°	0.3	0.0
55°	0.3	0.0
53.75°	0.3	0.0
52.5°	0.3	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°	0.4	0.0
43.75°	0.4	0.0
42.5°	0.4	0.0
41.25°	0.4	0.0
40°	0.4	0.0
38.75°	0.4	0.0
37.5°	0.4	0.0
36.25°	0.4	0.0
35°	0.4	0.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.4	0.0
32.5°	0.4	0.0
31.25°	0.4	0.0
30°	0.4	0.0
28.75°	0.4	0.0
27.5°	0.4	0.0
26.25°	0.4	0.0
25°	0.5	0.0
23.75°	0.5	0.0
22.5°	0.5	0.0
21.25°	0.5	0.0
20°	0.5	0.0
18.75°	0.5	0.0
17.5°	0.5	0.0
16.25°	0.5	0.0
15°	0.5	0.0
13.75°	0.5	0.0
12.5°	0.5	0.0
11.25°	0.5	0.0
10°	0.5	0.0
8.75°	0.5	0.0
7.5°	0.5	0.0
6.25°	0.5	0.0
5°	0.5	0.0
3.75°	0.5	0.0
2.5°	0.5	0.0
1.25°	0.5	0.0
0°	0.5	0.0
-1.25°	0.5	0.0
-2.5°	0.5	0.0
-3.75°	0.5	0.0
-5°	0.5	0.0
-6.25°	0.5	0.0
-7.5°	0.5	0.0
-8.75°	0.5	0.0
-10°	0.5	0.0
-11.25°	0.5	0.0
-12.5°	0.5	0.0
-13.75°	0.5	0.0
-15°	0.5	0.0
-16.25°	0.5	0.0
-17.5°	0.5	0.0
-18.75°	0.5	0.0
-20°	0.5	0.0
-21.25°	0.5	0.0



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0.5	0.0
-23.75°	0.5	0.0
-25°	0.5	0.0
-26.25°	0.4	0.0
-27.5°	0.4	0.0
-28.75°	0.4	0.0
-30°	0.4	0.0
-31.25°	0.4	0.0
-32.5°	0.4	0.0
-33.75°	0.4	0.0
-35°	0.4	0.0
-36.25°	0.4	0.0
-37.5°	0.4	0.0
-38.75°	0.4	0.0
-40°	0.4	0.0
-41.25°	0.4	0.0
-42.5°	0.4	0.0
-43.75°	0.4	0.0
-45°	0.4	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°	0.3	0.0
-53.75°	0.3	0.0
-55°	0.3	0.0
-56.25°	0.3	0.0
-57.5°	0.3	0.0
-58.75°	0.3	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°	0.2	0.0
-70°	0.2	0.0
-71.25°	0.2	0.0
-72.5°	0.2	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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-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°	0.1	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)