

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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

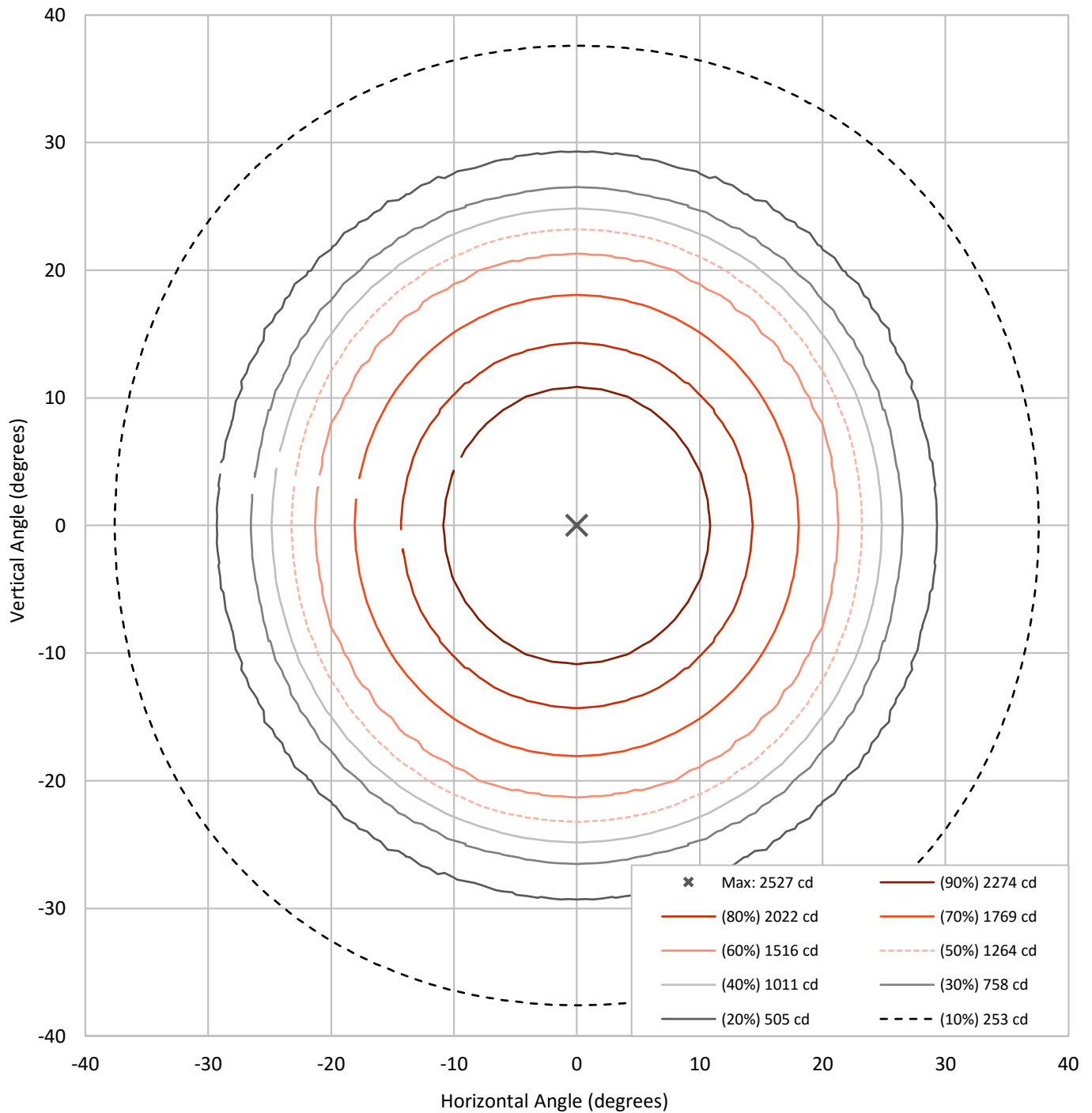
Test Method: LM-79-08
Report Number: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1700.9 lumens	Max Intensity:	2527 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	84.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46.5°H x 46.5°V	Field Angle (10%):	75.2°H x 75.2°V
Beam Lumens:	977 lumens	Field Lumens:	1392.1 lumens
Beam Efficiency:	57.4%	Field Efficiency:	81.8%
Input Watts (W):	20.1		
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		

REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

Iso-Candela Plot





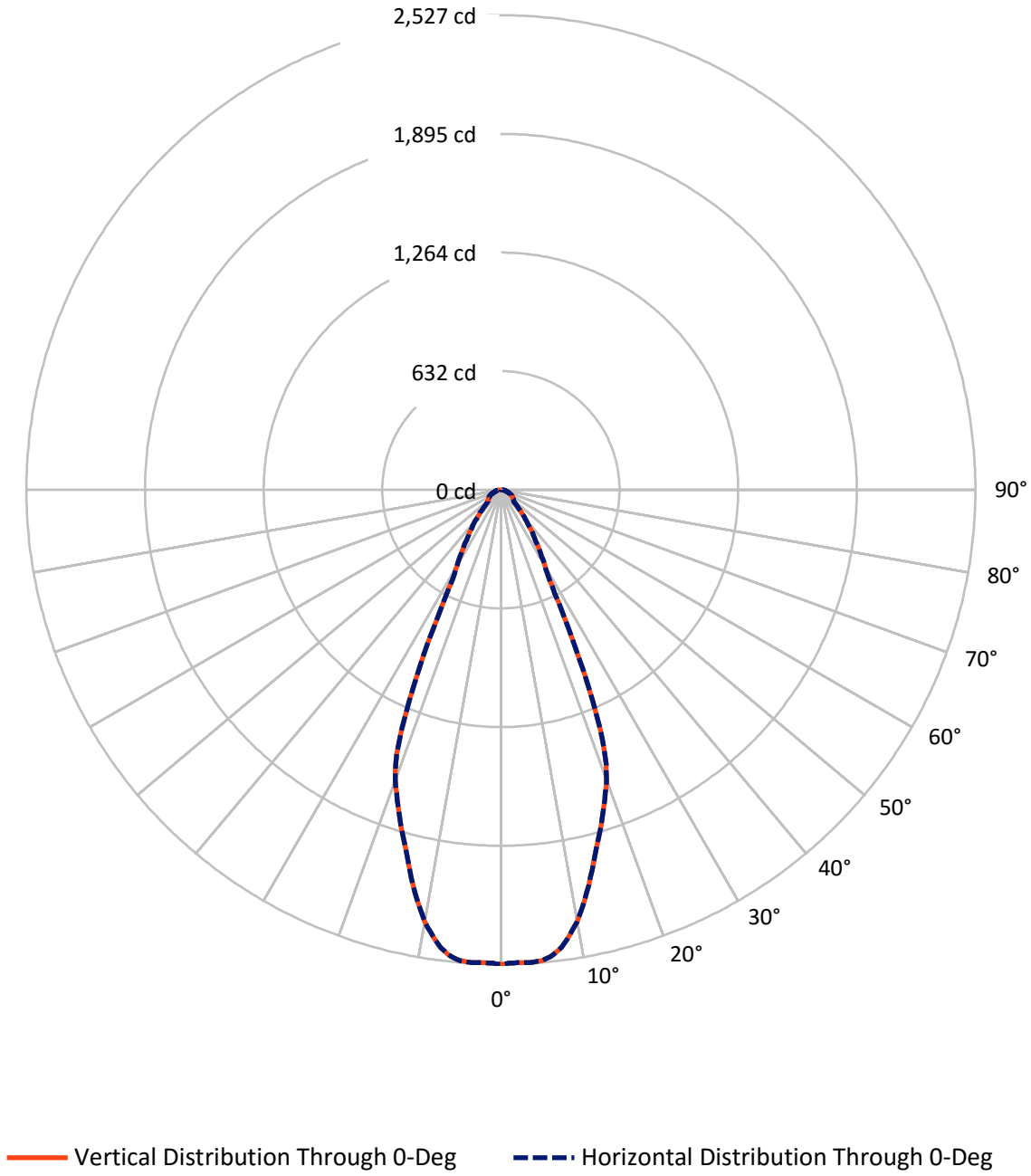
REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

Lumen Table

90	0.1	0.7	1.5	2.2	2.5	2.2	1.5	0.7	0.1										
80	0.1	0.7	1.5	2.2	2.5	2.2	1.5	0.7	0.1										
70	0.3	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.3	0.3			
60		0.4	0.7	1.2	1.6	2.0	2.3	2.4	2.4	2.3	2.0	1.6	1.2	0.7	0.4				
50	0.4	0.5	0.9	1.5	2.0	2.5	3.2	3.8	3.8	3.2	2.5	2.0	1.5	0.9	0.5	0.4			
40		0.6	1.1	1.7	2.5	4.7	7.4	9.4	9.4	7.4	4.7	2.5	1.7	1.1	0.6				
30	0.5	0.6	1.3	2.0	4.2	8.9	17.3	28.3	28.3	17.3	8.9	4.2	2.0	1.3	0.6	0.5			
20		0.7	1.4	2.4	6.3	16.3	42.8	57.8	57.8	42.8	16.3	6.3	2.4	1.4	0.7				
10	0.6	0.7	1.4	2.8	7.8	26.0	56.1	73.1	73.1	56.1	26.0	7.8	2.8	1.4	0.7	0.6			
0		0.7	1.4	2.8	7.8	26.0	56.1	73.1	73.1	56.1	26.0	7.8	2.8	1.4	0.7				
-10	0.5	0.7	1.4	2.4	6.3	16.3	42.8	57.8	57.8	42.8	16.3	6.3	2.4	1.4	0.7	0.5			
-20		0.6	1.3	2.0	4.2	8.9	17.3	28.3	28.3	17.3	8.9	4.2	2.0	1.3	0.6				
-30	0.4	0.6	1.1	1.7	2.5	4.7	7.4	9.4	9.4	7.4	4.7	2.5	1.7	1.1	0.6	0.4			
-40		0.5	0.9	1.5	2.0	2.5	3.2	3.8	3.8	3.2	2.5	2.0	1.5	0.9	0.5				
-50	0.3	0.4	0.7	1.2	1.6	2.0	2.3	2.4	2.4	2.3	2.0	1.6	1.2	0.7	0.4	0.3			
-60		0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.3				
-70	0.1	0.7	1.5	2.2	2.5	2.2	1.5	0.7	0.1						0.1				
-80		0.1	0.7	1.5	2.2	2.5	2.2	1.5	0.7	0.1									
-90	0.1	0.7	1.5	2.2	2.5	2.2	1.5	0.7	0.1						0.1				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

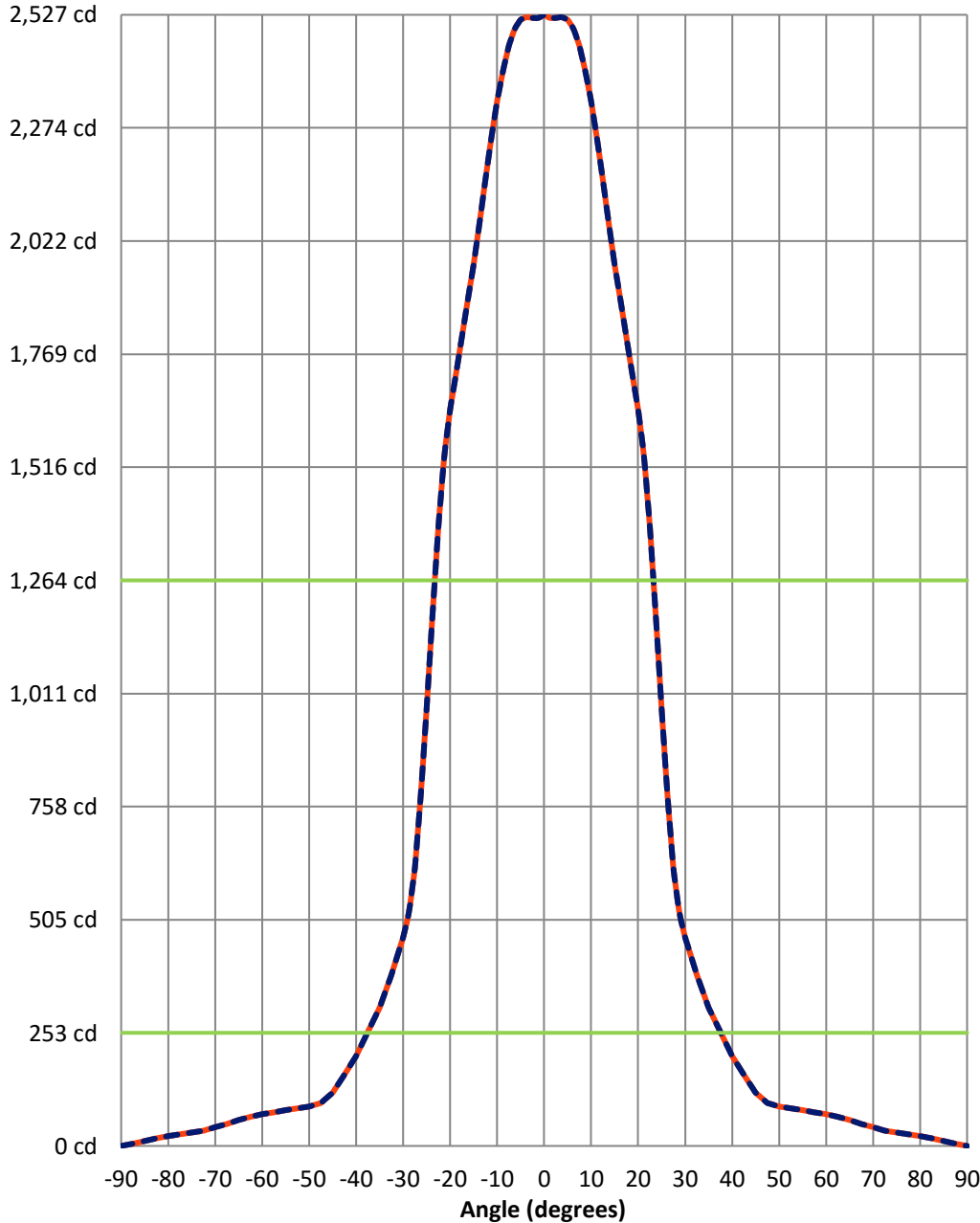
REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 46.5°
 V Angle: 46.5°
 Lumens: 977
 Efficiency: 57.4%

Field:
 H Angle: 75.2°
 V Angle: 75.2°
 Lumens: 1392.1
 Efficiency: 81.8%

Spill:
 Lumens: 308.8
 Efficiency: 18.2%

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

REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.1
86.25°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
85°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2
83.75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.4	2.7
82.5°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
81.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
80°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.5	3.9	4.3
78.75°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.9	4.4	4.8
77.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	5.4
76.25°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.4	6.1
75°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.2	5.9	6.7
73.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.7	6.5	7.3
72.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.2	7.1	8.0
71.25°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.7	7.6	8.6
70°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.2	7.2	8.2	9.2
68.75°	0.0	0.9	1.8	2.7	3.6	4.5	5.5	6.6	7.7	8.7	9.8
67.5°	0.0	1.0	1.9	2.9	3.8	4.8	5.9	7.0	8.1	9.3	10.4
66.25°	0.0	1.0	2.0	3.0	4.0	5.0	6.2	7.4	8.6	9.8	11.0
65°	0.0	1.1	2.1	3.2	4.2	5.3	6.6	7.8	9.1	10.4	11.6
63.75°	0.0	1.1	2.2	3.3	4.4	5.6	6.9	8.3	9.6	10.9	12.2
62.5°	0.0	1.2	2.3	3.5	4.6	5.9	7.3	8.7	10.0	11.4	12.8
61.25°	0.0	1.2	2.4	3.6	4.8	6.2	7.6	9.1	10.5	11.9	13.3
60°	0.0	1.2	2.5	3.7	5.0	6.5	8.0	9.5	11.0	12.4	13.9
58.75°	0.0	1.3	2.6	3.9	5.2	6.8	8.3	9.9	11.4	12.9	14.5
57.5°	0.0	1.3	2.7	4.0	5.4	7.0	8.7	10.3	11.8	13.4	15.0
56.25°	0.0	1.4	2.8	4.2	5.7	7.3	9.0	10.6	12.3	13.9	15.6
55°	0.0	1.4	2.9	4.3	5.9	7.6	9.3	11.0	12.7	14.4	16.1
53.75°	0.0	1.5	3.0	4.4	6.1	7.9	9.6	11.4	13.1	14.9	16.6
52.5°	0.0	1.5	3.0	4.6	6.3	8.1	9.9	11.8	13.6	15.4	17.1
51.25°	0.0	1.6	3.1	4.7	6.5	8.4	10.2	12.1	14.0	15.8	17.6
50°	0.0	1.6	3.2	4.8	6.7	8.6	10.6	12.5	14.4	16.3	18.0
48.75°	0.0	1.6	3.3	4.9	6.9	8.9	10.8	12.8	14.8	16.7	18.4
47.5°	0.0	1.7	3.4	5.1	7.1	9.1	11.1	13.2	15.2	17.1	18.8
46.25°	0.0	1.7	3.5	5.2	7.3	9.4	11.4	13.5	15.6	17.5	19.2
45°	0.0	1.8	3.5	5.4	7.5	9.6	11.7	13.8	15.9	17.9	19.6
43.75°	0.0	1.8	3.6	5.5	7.7	9.8	12.0	14.1	16.3	18.2	20.0
42.5°	0.0	1.8	3.7	5.6	7.8	10.0	12.3	14.5	16.7	18.5	20.4
41.25°	0.0	1.9	3.8	5.8	8.0	10.3	12.5	14.8	17.0	18.9	20.7
40°	0.0	1.9	3.8	5.9	8.2	10.5	12.8	15.1	17.3	19.2	21.1
38.75°	0.0	1.9	3.9	6.0	8.4	10.7	13.0	15.4	17.6	19.5	21.4
37.5°	0.0	2.0	4.0	6.1	8.5	10.9	13.3	15.6	17.8	19.8	21.8
36.25°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.9	18.1	20.1	22.1
35°	0.0	2.0	4.1	6.4	8.8	11.3	13.7	16.2	18.4	20.4	22.3



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	2.1	4.2	6.5	9.0	11.5	14.0	16.4	18.6	20.7	22.6
32.5°	0.0	2.1	4.2	6.6	9.1	11.6	14.2	16.7	18.8	20.9	22.8
31.25°	0.0	2.1	4.3	6.7	9.3	11.8	14.4	16.9	19.1	21.2	23.1
30°	0.0	2.2	4.3	6.8	9.4	12.0	14.6	17.1	19.3	21.5	23.3
28.75°	0.0	2.2	4.4	6.9	9.5	12.1	14.8	17.3	19.5	21.7	23.5
27.5°	0.0	2.2	4.4	7.0	9.6	12.3	15.0	17.5	19.7	21.9	23.7
26.25°	0.0	2.2	4.5	7.1	9.8	12.4	15.1	17.7	19.9	22.1	23.9
25°	0.0	2.3	4.5	7.2	9.9	12.6	15.3	17.8	20.1	22.3	24.1
23.75°	0.0	2.3	4.6	7.2	10.0	12.7	15.5	18.0	20.3	22.5	24.3
22.5°	0.0	2.3	4.6	7.3	10.1	12.9	15.6	18.2	20.5	22.6	24.5
21.25°	0.0	2.3	4.7	7.4	10.2	13.0	15.8	18.3	20.6	22.8	24.6
20°	0.0	2.3	4.7	7.5	10.3	13.1	15.9	18.4	20.8	22.9	24.8
18.75°	0.0	2.4	4.7	7.5	10.4	13.2	16.0	18.6	20.9	23.0	24.9
17.5°	0.0	2.4	4.8	7.6	10.4	13.3	16.2	18.7	21.1	23.2	25.1
16.25°	0.0	2.4	4.8	7.6	10.5	13.4	16.3	18.8	21.2	23.3	25.2
15°	0.0	2.4	4.8	7.7	10.6	13.5	16.4	18.9	21.3	23.4	25.3
13.75°	0.0	2.4	4.9	7.7	10.7	13.6	16.5	19.0	21.4	23.5	25.4
12.5°	0.0	2.4	4.9	7.8	10.7	13.6	16.6	19.1	21.5	23.6	25.5
11.25°	0.0	2.5	4.9	7.8	10.8	13.7	16.7	19.2	21.6	23.6	25.6
10°	0.0	2.5	4.9	7.9	10.8	13.8	16.7	19.2	21.7	23.7	25.7
8.75°	0.0	2.5	4.9	7.9	10.9	13.8	16.8	19.3	21.8	23.8	25.8
7.5°	0.0	2.5	5.0	7.9	10.9	13.9	16.8	19.3	21.8	23.8	25.8
6.25°	0.0	2.5	5.0	7.9	10.9	13.9	16.9	19.4	21.9	23.9	25.9
5°	0.0	2.5	5.0	8.0	11.0	13.9	16.9	19.4	21.9	23.9	25.9
3.75°	0.0	2.5	5.0	8.0	11.0	14.0	17.0	19.5	22.0	24.0	26.0
2.5°	0.0	2.5	5.0	8.0	11.0	14.0	17.0	19.5	22.0	24.0	26.0
1.25°	0.0	2.5	5.0	8.0	11.0	14.0	17.0	19.5	22.0	24.0	26.0
0°	0.0	2.5	5.0	8.0	11.0	14.0	17.0	19.5	22.0	24.0	26.0
-1.25°	0.0	2.5	5.0	8.0	11.0	14.0	17.0	19.5	22.0	24.0	26.0
-2.5°	0.0	2.5	5.0	8.0	11.0	14.0	17.0	19.5	22.0	24.0	26.0
-3.75°	0.0	2.5	5.0	8.0	11.0	14.0	17.0	19.5	22.0	24.0	26.0
-5°	0.0	2.5	5.0	8.0	11.0	13.9	16.9	19.4	21.9	23.9	25.9
-6.25°	0.0	2.5	5.0	7.9	10.9	13.9	16.9	19.4	21.9	23.9	25.9
-7.5°	0.0	2.5	5.0	7.9	10.9	13.9	16.8	19.3	21.8	23.8	25.8
-8.75°	0.0	2.5	4.9	7.9	10.9	13.8	16.8	19.3	21.8	23.8	25.8
-10°	0.0	2.5	4.9	7.9	10.8	13.8	16.7	19.2	21.7	23.7	25.7
-11.25°	0.0	2.5	4.9	7.8	10.8	13.7	16.7	19.2	21.6	23.6	25.6
-12.5°	0.0	2.4	4.9	7.8	10.7	13.6	16.6	19.1	21.5	23.6	25.5
-13.75°	0.0	2.4	4.9	7.7	10.7	13.6	16.5	19.0	21.4	23.5	25.4
-15°	0.0	2.4	4.8	7.7	10.6	13.5	16.4	18.9	21.3	23.4	25.3
-16.25°	0.0	2.4	4.8	7.6	10.5	13.4	16.3	18.8	21.2	23.3	25.2
-17.5°	0.0	2.4	4.8	7.6	10.4	13.3	16.2	18.7	21.1	23.2	25.1
-18.75°	0.0	2.4	4.7	7.5	10.4	13.2	16.0	18.6	20.9	23.0	24.9
-20°	0.0	2.3	4.7	7.5	10.3	13.1	15.9	18.4	20.8	22.9	24.8
-21.25°	0.0	2.3	4.7	7.4	10.2	13.0	15.8	18.3	20.6	22.8	24.6



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	2.3	4.6	7.3	10.1	12.9	15.6	18.2	20.5	22.6	24.5
-23.75°	0.0	2.3	4.6	7.2	10.0	12.7	15.5	18.0	20.3	22.5	24.3
-25°	0.0	2.3	4.5	7.2	9.9	12.6	15.3	17.8	20.1	22.3	24.1
-26.25°	0.0	2.2	4.5	7.1	9.8	12.4	15.1	17.7	19.9	22.1	23.9
-27.5°	0.0	2.2	4.4	7.0	9.6	12.3	15.0	17.5	19.7	21.9	23.7
-28.75°	0.0	2.2	4.4	6.9	9.5	12.1	14.8	17.3	19.5	21.7	23.5
-30°	0.0	2.2	4.3	6.8	9.4	12.0	14.6	17.1	19.3	21.5	23.3
-31.25°	0.0	2.1	4.3	6.7	9.3	11.8	14.4	16.9	19.1	21.2	23.1
-32.5°	0.0	2.1	4.2	6.6	9.1	11.6	14.2	16.7	18.8	20.9	22.8
-33.75°	0.0	2.1	4.2	6.5	9.0	11.5	14.0	16.4	18.6	20.7	22.6
-35°	0.0	2.0	4.1	6.4	8.8	11.3	13.7	16.2	18.4	20.4	22.3
-36.25°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.9	18.1	20.1	22.1
-37.5°	0.0	2.0	4.0	6.1	8.5	10.9	13.3	15.6	17.8	19.8	21.8
-38.75°	0.0	1.9	3.9	6.0	8.4	10.7	13.0	15.4	17.6	19.5	21.4
-40°	0.0	1.9	3.8	5.9	8.2	10.5	12.8	15.1	17.3	19.2	21.1
-41.25°	0.0	1.9	3.8	5.8	8.0	10.3	12.5	14.8	17.0	18.9	20.7
-42.5°	0.0	1.8	3.7	5.6	7.8	10.0	12.3	14.5	16.7	18.5	20.4
-43.75°	0.0	1.8	3.6	5.5	7.7	9.8	12.0	14.1	16.3	18.2	20.0
-45°	0.0	1.8	3.5	5.4	7.5	9.6	11.7	13.8	15.9	17.9	19.6
-46.25°	0.0	1.7	3.5	5.2	7.3	9.4	11.4	13.5	15.6	17.5	19.2
-47.5°	0.0	1.7	3.4	5.1	7.1	9.1	11.1	13.2	15.2	17.1	18.8
-48.75°	0.0	1.6	3.3	4.9	6.9	8.9	10.8	12.8	14.8	16.7	18.4
-50°	0.0	1.6	3.2	4.8	6.7	8.6	10.6	12.5	14.4	16.3	18.0
-51.25°	0.0	1.6	3.1	4.7	6.5	8.4	10.2	12.1	14.0	15.8	17.6
-52.5°	0.0	1.5	3.0	4.6	6.3	8.1	9.9	11.8	13.6	15.4	17.1
-53.75°	0.0	1.5	3.0	4.4	6.1	7.9	9.6	11.4	13.1	14.9	16.6
-55°	0.0	1.4	2.9	4.3	5.9	7.6	9.3	11.0	12.7	14.4	16.1
-56.25°	0.0	1.4	2.8	4.2	5.7	7.3	9.0	10.6	12.3	13.9	15.6
-57.5°	0.0	1.3	2.7	4.0	5.4	7.0	8.7	10.3	11.8	13.4	15.0
-58.75°	0.0	1.3	2.6	3.9	5.2	6.8	8.3	9.9	11.4	12.9	14.5
-60°	0.0	1.2	2.5	3.7	5.0	6.5	8.0	9.5	11.0	12.4	13.9
-61.25°	0.0	1.2	2.4	3.6	4.8	6.2	7.6	9.1	10.5	11.9	13.3
-62.5°	0.0	1.2	2.3	3.5	4.6	5.9	7.3	8.7	10.0	11.4	12.8
-63.75°	0.0	1.1	2.2	3.3	4.4	5.6	6.9	8.3	9.6	10.9	12.2
-65°	0.0	1.1	2.1	3.2	4.2	5.3	6.6	7.8	9.1	10.4	11.6
-66.25°	0.0	1.0	2.0	3.0	4.0	5.0	6.2	7.4	8.6	9.8	11.0
-67.5°	0.0	1.0	1.9	2.9	3.8	4.8	5.9	7.0	8.1	9.3	10.4
-68.75°	0.0	0.9	1.8	2.7	3.6	4.5	5.5	6.6	7.7	8.7	9.8
-70°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.2	7.2	8.2	9.2
-71.25°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.7	7.6	8.6
-72.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.2	7.1	8.0
-73.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.7	6.5	7.3
-75°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.2	5.9	6.7
-76.25°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.4	6.1
-77.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	5.4



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.9	4.4	4.8
-80°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.5	3.9	4.3
-81.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-82.5°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
-83.75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.4	2.7
-85°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2
-86.25°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
-87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.1
-88.75°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
87.5°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
86.25°	1.8	1.9	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.2	3.3
85°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
83.75°	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.8	5.0	5.3	5.6
82.5°	3.6	3.9	4.2	4.5	4.8	5.1	5.5	5.9	6.2	6.6	6.9
81.25°	4.1	4.5	4.9	5.3	5.7	6.2	6.6	7.0	7.4	7.8	8.3
80°	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.1	8.6	9.1	9.6
78.75°	5.4	5.9	6.5	7.1	7.6	8.2	8.7	9.3	9.8	10.4	10.9
77.5°	6.1	6.7	7.3	8.0	8.6	9.2	9.8	10.4	11.0	11.6	12.2
76.25°	6.8	7.5	8.2	8.8	9.5	10.2	10.9	11.5	12.2	12.8	13.5
75°	7.5	8.2	9.0	9.7	10.5	11.2	11.9	12.6	13.4	14.1	14.8
73.75°	8.2	9.0	9.8	10.6	11.4	12.2	13.0	13.8	14.5	15.3	16.1
72.5°	8.8	9.7	10.6	11.5	12.3	13.2	14.0	14.9	15.7	16.5	17.3
71.25°	9.5	10.5	11.4	12.3	13.2	14.1	15.1	16.0	16.9	17.6	18.3
70°	10.2	11.2	12.2	13.2	14.1	15.1	16.1	17.0	17.8	18.6	19.4
68.75°	10.9	11.9	13.0	14.0	15.1	16.1	17.1	17.9	18.8	19.6	20.4
67.5°	11.5	12.6	13.8	14.9	16.0	17.0	17.9	18.8	19.7	20.6	21.5
66.25°	12.2	13.4	14.5	15.7	16.9	17.8	18.8	19.7	20.7	21.6	22.4
65°	12.8	14.1	15.3	16.5	17.6	18.6	19.6	20.6	21.6	22.5	23.2
63.75°	13.5	14.8	16.1	17.3	18.3	19.4	20.4	21.5	22.4	23.2	24.0
62.5°	14.1	15.5	16.8	18.0	19.1	20.2	21.3	22.3	23.1	24.0	24.9
61.25°	14.8	16.2	17.5	18.6	19.8	20.9	22.1	23.0	23.9	24.8	25.7
60°	15.4	16.8	18.1	19.3	20.5	21.7	22.7	23.6	24.6	25.5	26.4
58.75°	16.0	17.4	18.7	19.9	21.2	22.4	23.3	24.3	25.3	26.3	27.2
57.5°	16.6	18.0	19.3	20.6	21.9	22.9	24.0	25.0	26.0	27.0	28.0
56.25°	17.2	18.5	19.9	21.2	22.5	23.5	24.6	25.6	26.7	27.7	28.8
55°	17.7	19.1	20.5	21.9	23.0	24.1	25.2	26.3	27.4	28.4	29.5
53.75°	18.2	19.6	21.0	22.4	23.5	24.7	25.8	26.9	28.0	29.2	30.3
52.5°	18.6	20.1	21.6	22.9	24.1	25.2	26.4	27.6	28.7	29.9	31.0
51.25°	19.1	20.6	22.1	23.4	24.6	25.8	27.0	28.2	29.4	30.5	31.7
50°	19.6	21.2	22.6	23.8	25.1	26.3	27.6	28.8	30.0	31.2	32.4
48.75°	20.0	21.7	23.0	24.3	25.6	26.9	28.1	29.4	30.6	31.9	33.1
47.5°	20.5	22.1	23.4	24.8	26.1	27.4	28.7	30.0	31.3	32.5	33.8
46.25°	20.9	22.5	23.9	25.2	26.5	27.9	29.2	30.6	31.9	33.2	35.0
45°	21.4	22.9	24.3	25.6	27.0	28.4	29.8	31.1	32.5	33.8	36.3
43.75°	21.8	23.2	24.7	26.1	27.5	28.9	30.3	31.7	33.1	34.9	37.6
42.5°	22.1	23.6	25.1	26.5	27.9	29.4	30.8	32.2	33.6	36.1	38.9
41.25°	22.5	24.0	25.4	26.9	28.4	29.8	31.3	32.8	34.4	37.3	40.2
40°	22.8	24.3	25.8	27.3	28.8	30.3	31.8	33.3	35.5	38.4	41.4
38.75°	23.1	24.6	26.2	27.7	29.2	30.8	32.3	33.8	36.6	39.6	42.5
37.5°	23.4	25.0	26.5	28.1	29.6	31.2	32.7	34.6	37.6	40.7	43.5
36.25°	23.7	25.3	26.9	28.5	30.0	31.6	33.2	35.5	38.6	41.8	44.5
35°	24.0	25.6	27.2	28.8	30.4	32.0	33.6	36.5	39.6	42.7	45.5



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	24.2	25.9	27.5	29.2	30.8	32.4	34.1	37.4	40.6	43.6	46.4
32.5°	24.5	26.2	27.8	29.5	31.2	32.8	35.0	38.3	41.5	44.5	47.3
31.25°	24.8	26.5	28.1	29.8	31.5	33.2	35.8	39.1	42.4	45.3	48.2
30°	25.0	26.7	28.4	30.2	31.9	33.6	36.5	39.9	43.2	46.1	49.1
28.75°	25.2	27.0	28.7	30.5	32.2	33.9	37.3	40.7	43.9	46.9	50.1
27.5°	25.5	27.2	29.0	30.8	32.5	34.5	38.0	41.5	44.6	47.6	51.2
26.25°	25.7	27.5	29.3	31.0	32.8	35.2	38.7	42.2	45.3	48.4	52.1
25°	25.9	27.7	29.5	31.3	33.1	35.8	39.4	42.8	45.9	49.1	53.1
23.75°	26.1	27.9	29.7	31.6	33.4	36.4	40.0	43.4	46.6	49.9	54.0
22.5°	26.3	28.1	30.0	31.8	33.6	36.9	40.6	44.0	47.2	50.7	54.8
21.25°	26.5	28.3	30.2	32.0	33.9	37.5	41.2	44.5	47.7	51.5	55.6
20°	26.6	28.5	30.4	32.3	34.3	38.0	41.7	45.0	48.3	52.2	56.4
18.75°	26.8	28.7	30.6	32.5	34.7	38.5	42.2	45.5	48.8	52.9	57.1
17.5°	27.0	28.9	30.8	32.7	35.1	38.9	42.6	45.9	49.3	53.6	57.8
16.25°	27.1	29.0	30.9	32.8	35.5	39.3	43.0	46.4	49.9	54.2	58.4
15°	27.2	29.2	31.1	33.0	35.9	39.7	43.4	46.7	50.4	54.7	58.8
13.75°	27.4	29.3	31.2	33.2	36.2	40.1	43.7	47.1	50.9	55.3	59.2
12.5°	27.5	29.4	31.4	33.3	36.5	40.4	44.0	47.4	51.4	55.7	59.6
11.25°	27.6	29.5	31.5	33.4	36.8	40.7	44.3	47.7	51.8	56.2	60.0
10°	27.7	29.6	31.6	33.6	37.1	41.0	44.6	48.0	52.1	56.5	60.3
8.75°	27.7	29.7	31.7	33.7	37.3	41.2	44.8	48.2	52.4	56.9	60.6
7.5°	27.8	29.8	31.8	33.8	37.5	41.4	45.0	48.4	52.7	57.2	60.8
6.25°	27.9	29.9	31.8	33.8	37.6	41.6	45.1	48.6	53.0	57.4	61.0
5°	27.9	29.9	31.9	33.9	37.8	41.7	45.3	48.7	53.2	57.6	61.2
3.75°	28.0	29.9	31.9	33.9	37.9	41.9	45.4	48.9	53.3	57.8	61.3
2.5°	28.0	30.0	32.0	34.0	37.9	41.9	45.4	48.9	53.4	57.9	61.4
1.25°	28.0	30.0	32.0	34.0	38.0	42.0	45.5	49.0	53.5	58.0	61.5
0°	28.0	30.0	32.0	34.0	38.0	42.0	45.5	49.0	53.5	58.0	61.5
-1.25°	28.0	30.0	32.0	34.0	38.0	42.0	45.5	49.0	53.5	58.0	61.5
-2.5°	28.0	30.0	32.0	34.0	37.9	41.9	45.4	48.9	53.4	57.9	61.4
-3.75°	28.0	29.9	31.9	33.9	37.9	41.9	45.4	48.9	53.3	57.8	61.3
-5°	27.9	29.9	31.9	33.9	37.8	41.7	45.3	48.7	53.2	57.6	61.2
-6.25°	27.9	29.9	31.8	33.8	37.6	41.6	45.1	48.6	53.0	57.4	61.0
-7.5°	27.8	29.8	31.8	33.8	37.5	41.4	45.0	48.4	52.7	57.2	60.8
-8.75°	27.7	29.7	31.7	33.7	37.3	41.2	44.8	48.2	52.4	56.9	60.6
-10°	27.7	29.6	31.6	33.6	37.1	41.0	44.6	48.0	52.1	56.5	60.3
-11.25°	27.6	29.5	31.5	33.4	36.8	40.7	44.3	47.7	51.8	56.2	60.0
-12.5°	27.5	29.4	31.4	33.3	36.5	40.4	44.0	47.4	51.4	55.7	59.6
-13.75°	27.4	29.3	31.2	33.2	36.2	40.1	43.7	47.1	50.9	55.3	59.2
-15°	27.2	29.2	31.1	33.0	35.9	39.7	43.4	46.7	50.4	54.7	58.8
-16.25°	27.1	29.0	30.9	32.8	35.5	39.3	43.0	46.4	49.9	54.2	58.4
-17.5°	27.0	28.9	30.8	32.7	35.1	38.9	42.6	45.9	49.3	53.6	57.8
-18.75°	26.8	28.7	30.6	32.5	34.7	38.5	42.2	45.5	48.8	52.9	57.1
-20°	26.6	28.5	30.4	32.3	34.3	38.0	41.7	45.0	48.3	52.2	56.4
-21.25°	26.5	28.3	30.2	32.0	33.9	37.5	41.2	44.5	47.7	51.5	55.6



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	26.3	28.1	30.0	31.8	33.6	36.9	40.6	44.0	47.2	50.7	54.8
-23.75°	26.1	27.9	29.7	31.6	33.4	36.4	40.0	43.4	46.6	49.9	54.0
-25°	25.9	27.7	29.5	31.3	33.1	35.8	39.4	42.8	45.9	49.1	53.1
-26.25°	25.7	27.5	29.3	31.0	32.8	35.2	38.7	42.2	45.3	48.4	52.1
-27.5°	25.5	27.2	29.0	30.8	32.5	34.5	38.0	41.5	44.6	47.6	51.2
-28.75°	25.2	27.0	28.7	30.5	32.2	33.9	37.3	40.7	43.9	46.9	50.1
-30°	25.0	26.7	28.4	30.2	31.9	33.6	36.5	39.9	43.2	46.1	49.1
-31.25°	24.8	26.5	28.1	29.8	31.5	33.2	35.8	39.1	42.4	45.3	48.2
-32.5°	24.5	26.2	27.8	29.5	31.2	32.8	35.0	38.3	41.5	44.5	47.3
-33.75°	24.2	25.9	27.5	29.2	30.8	32.4	34.1	37.4	40.6	43.6	46.4
-35°	24.0	25.6	27.2	28.8	30.4	32.0	33.6	36.5	39.6	42.7	45.5
-36.25°	23.7	25.3	26.9	28.5	30.0	31.6	33.2	35.5	38.6	41.8	44.5
-37.5°	23.4	25.0	26.5	28.1	29.6	31.2	32.7	34.6	37.6	40.7	43.5
-38.75°	23.1	24.6	26.2	27.7	29.2	30.8	32.3	33.8	36.6	39.6	42.5
-40°	22.8	24.3	25.8	27.3	28.8	30.3	31.8	33.3	35.5	38.4	41.4
-41.25°	22.5	24.0	25.4	26.9	28.4	29.8	31.3	32.8	34.4	37.3	40.2
-42.5°	22.1	23.6	25.1	26.5	27.9	29.4	30.8	32.2	33.6	36.1	38.9
-43.75°	21.8	23.2	24.7	26.1	27.5	28.9	30.3	31.7	33.1	34.9	37.6
-45°	21.4	22.9	24.3	25.6	27.0	28.4	29.8	31.1	32.5	33.8	36.3
-46.25°	20.9	22.5	23.9	25.2	26.5	27.9	29.2	30.6	31.9	33.2	35.0
-47.5°	20.5	22.1	23.4	24.8	26.1	27.4	28.7	30.0	31.3	32.5	33.8
-48.75°	20.0	21.7	23.0	24.3	25.6	26.9	28.1	29.4	30.6	31.9	33.1
-50°	19.6	21.2	22.6	23.8	25.1	26.3	27.6	28.8	30.0	31.2	32.4
-51.25°	19.1	20.6	22.1	23.4	24.6	25.8	27.0	28.2	29.4	30.5	31.7
-52.5°	18.6	20.1	21.6	22.9	24.1	25.2	26.4	27.6	28.7	29.9	31.0
-53.75°	18.2	19.6	21.0	22.4	23.5	24.7	25.8	26.9	28.0	29.2	30.3
-55°	17.7	19.1	20.5	21.9	23.0	24.1	25.2	26.3	27.4	28.4	29.5
-56.25°	17.2	18.5	19.9	21.2	22.5	23.5	24.6	25.6	26.7	27.7	28.8
-57.5°	16.6	18.0	19.3	20.6	21.9	22.9	24.0	25.0	26.0	27.0	28.0
-58.75°	16.0	17.4	18.7	19.9	21.2	22.4	23.3	24.3	25.3	26.3	27.2
-60°	15.4	16.8	18.1	19.3	20.5	21.7	22.7	23.6	24.6	25.5	26.4
-61.25°	14.8	16.2	17.5	18.6	19.8	20.9	22.1	23.0	23.9	24.8	25.7
-62.5°	14.1	15.5	16.8	18.0	19.1	20.2	21.3	22.3	23.1	24.0	24.9
-63.75°	13.5	14.8	16.1	17.3	18.3	19.4	20.4	21.5	22.4	23.2	24.0
-65°	12.8	14.1	15.3	16.5	17.6	18.6	19.6	20.6	21.6	22.5	23.2
-66.25°	12.2	13.4	14.5	15.7	16.9	17.8	18.8	19.7	20.7	21.6	22.4
-67.5°	11.5	12.6	13.8	14.9	16.0	17.0	17.9	18.8	19.7	20.6	21.5
-68.75°	10.9	11.9	13.0	14.0	15.1	16.1	17.1	17.9	18.8	19.6	20.4
-70°	10.2	11.2	12.2	13.2	14.1	15.1	16.1	17.0	17.8	18.6	19.4
-71.25°	9.5	10.5	11.4	12.3	13.2	14.1	15.1	16.0	16.9	17.6	18.3
-72.5°	8.8	9.7	10.6	11.5	12.3	13.2	14.0	14.9	15.7	16.5	17.3
-73.75°	8.2	9.0	9.8	10.6	11.4	12.2	13.0	13.8	14.5	15.3	16.1
-75°	7.5	8.2	9.0	9.7	10.5	11.2	11.9	12.6	13.4	14.1	14.8
-76.25°	6.8	7.5	8.2	8.8	9.5	10.2	10.9	11.5	12.2	12.8	13.5
-77.5°	6.1	6.7	7.3	8.0	8.6	9.2	9.8	10.4	11.0	11.6	12.2



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	5.4	5.9	6.5	7.1	7.6	8.2	8.7	9.3	9.8	10.4	10.9
-80°	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.1	8.6	9.1	9.6
-81.25°	4.1	4.5	4.9	5.3	5.7	6.2	6.6	7.0	7.4	7.8	8.3
-82.5°	3.6	3.9	4.2	4.5	4.8	5.1	5.5	5.9	6.2	6.6	6.9
-83.75°	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.8	5.0	5.3	5.6
-85°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
-86.25°	1.8	1.9	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.2	3.3
-87.5°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
-88.75°	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
87.5°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2
86.25°	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.8
85°	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.7
83.75°	5.9	6.2	6.5	6.8	7.0	7.3	7.6	7.9	8.1	8.4	8.6
82.5°	7.3	7.6	8.0	8.3	8.7	9.0	9.3	9.6	9.9	10.2	10.6
81.25°	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.4	11.8	12.1	12.5
80°	10.0	10.5	11.0	11.4	11.8	12.3	12.7	13.1	13.6	14.0	14.4
78.75°	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.8	16.3
77.5°	12.8	13.3	13.9	14.5	15.0	15.6	16.1	16.6	17.1	17.6	18.0
76.25°	14.1	14.8	15.4	16.0	16.6	17.2	17.7	18.2	18.6	19.1	19.6
75°	15.5	16.2	16.8	17.4	18.0	18.5	19.1	19.6	20.1	20.6	21.2
73.75°	16.8	17.5	18.1	18.7	19.3	19.9	20.5	21.0	21.6	22.1	22.6
72.5°	18.0	18.6	19.3	19.9	20.6	21.2	21.9	22.4	22.9	23.4	23.8
71.25°	19.1	19.8	20.5	21.2	21.9	22.5	23.0	23.5	24.1	24.6	25.1
70°	20.2	20.9	21.7	22.4	22.9	23.5	24.1	24.7	25.2	25.8	26.3
68.75°	21.3	22.1	22.7	23.3	24.0	24.6	25.2	25.8	26.4	27.0	27.6
67.5°	22.3	23.0	23.6	24.3	25.0	25.6	26.3	26.9	27.6	28.2	28.8
66.25°	23.1	23.9	24.6	25.3	26.0	26.7	27.4	28.0	28.7	29.4	30.0
65°	24.0	24.8	25.5	26.3	27.0	27.7	28.4	29.2	29.9	30.5	31.2
63.75°	24.9	25.7	26.4	27.2	28.0	28.8	29.5	30.3	31.0	31.7	32.4
62.5°	25.7	26.5	27.4	28.2	29.0	29.8	30.6	31.4	32.1	32.9	33.6
61.25°	26.5	27.4	28.3	29.1	30.0	30.8	31.6	32.4	33.2	34.1	35.6
60°	27.4	28.3	29.2	30.1	30.9	31.8	32.7	33.5	34.7	36.4	38.0
58.75°	28.2	29.1	30.1	31.0	31.9	32.8	33.7	35.2	36.9	38.6	40.3
57.5°	29.0	30.0	30.9	31.9	32.8	33.8	35.4	37.3	39.1	40.9	42.6
56.25°	29.8	30.8	31.8	32.8	33.8	35.5	37.5	39.4	41.3	43.0	44.6
55°	30.6	31.6	32.7	33.7	35.4	37.5	39.5	41.4	43.2	44.9	46.6
53.75°	31.4	32.4	33.5	35.2	37.3	39.4	41.4	43.3	45.1	46.8	48.5
52.5°	32.1	33.2	34.7	36.9	39.1	41.3	43.2	45.1	46.9	48.7	50.9
51.25°	32.9	34.1	36.4	38.6	40.9	43.0	44.9	46.8	48.7	51.0	53.4
50°	33.6	35.6	38.0	40.3	42.6	44.6	46.6	48.5	50.9	53.4	55.9
48.75°	34.7	37.2	39.6	42.0	44.1	46.2	48.2	50.6	53.2	55.7	58.2
47.5°	36.2	38.7	41.2	43.4	45.6	47.7	50.1	52.8	55.4	58.0	60.1
46.25°	37.6	40.2	42.6	44.9	47.1	49.3	52.1	54.9	57.6	59.8	61.9
45°	39.0	41.6	44.0	46.3	48.5	51.3	54.1	57.0	59.4	61.6	63.7
43.75°	40.4	42.9	45.3	47.6	50.2	53.2	56.1	58.8	61.0	63.3	65.4
42.5°	41.7	44.2	46.6	49.0	52.0	55.0	58.0	60.4	62.7	65.0	66.9
41.25°	42.9	45.4	47.8	50.6	53.8	56.9	59.5	61.9	64.3	66.4	68.4
40°	44.0	46.5	49.1	52.3	55.5	58.5	61.0	63.4	65.7	67.8	69.8
38.75°	45.1	47.7	50.6	53.9	57.2	59.9	62.4	64.9	67.0	69.1	71.1
37.5°	46.2	48.8	52.1	55.5	58.6	61.2	63.8	66.1	68.3	70.5	72.1
36.25°	47.2	50.2	53.6	57.0	59.9	62.5	65.1	67.4	69.6	71.5	73.0
35°	48.2	51.5	55.0	58.4	61.1	63.8	66.3	68.5	70.8	72.4	73.8



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	49.3	52.9	56.4	59.5	62.3	65.0	67.4	69.7	71.7	73.2	74.7
32.5°	50.5	54.2	57.8	60.6	63.4	66.1	68.4	70.8	72.4	74.0	75.7
31.25°	51.7	55.4	58.9	61.7	64.6	67.1	69.5	71.6	73.2	74.8	76.7
30°	52.9	56.6	59.8	62.8	65.6	68.0	70.5	72.3	73.9	75.6	77.7
28.75°	54.0	57.8	60.8	63.7	66.4	69.0	71.3	73.0	74.6	76.6	78.6
27.5°	55.0	58.7	61.7	64.7	67.3	69.9	71.9	73.6	75.4	77.4	79.5
26.25°	56.1	59.6	62.6	65.5	68.1	70.7	72.5	74.2	76.2	78.3	80.3
25°	57.1	60.4	63.4	66.3	68.9	71.4	73.1	74.8	77.0	79.1	81.0
23.75°	58.0	61.1	64.3	67.0	69.7	71.9	73.7	75.5	77.7	79.9	81.7
22.5°	58.7	61.9	65.0	67.7	70.4	72.4	74.2	76.2	78.4	80.5	82.3
21.25°	59.4	62.6	65.7	68.4	71.1	72.9	74.7	76.9	79.1	81.1	82.9
20°	60.0	63.2	66.3	69.0	71.5	73.4	75.2	77.5	79.8	81.6	83.5
18.75°	60.6	63.9	66.8	69.6	71.9	73.8	75.8	78.1	80.3	82.2	84.0
17.5°	61.2	64.5	67.4	70.2	72.3	74.2	76.3	78.7	80.8	82.6	84.5
16.25°	61.7	65.0	67.8	70.7	72.7	74.6	76.8	79.2	81.2	83.1	85.0
15°	62.2	65.4	68.3	71.1	73.0	74.9	77.3	79.7	81.6	83.5	85.4
13.75°	62.6	65.8	68.7	71.4	73.3	75.3	77.7	80.1	82.0	83.9	85.8
12.5°	63.0	66.2	69.1	71.7	73.6	75.7	78.1	80.4	82.3	84.3	86.2
11.25°	63.4	66.6	69.5	71.9	73.9	76.0	78.5	80.7	82.7	84.6	86.5
10°	63.7	66.9	69.8	72.2	74.1	76.3	78.8	81.0	82.9	84.9	86.8
8.75°	64.0	67.1	70.1	72.4	74.3	76.6	79.1	81.2	83.2	85.1	87.1
7.5°	64.3	67.4	70.3	72.5	74.5	76.8	79.3	81.4	83.4	85.4	87.3
6.25°	64.5	67.6	70.5	72.7	74.7	77.0	79.5	81.6	83.6	85.6	87.5
5°	64.7	67.7	70.7	72.8	74.8	77.2	79.7	81.7	83.7	85.7	87.7
3.75°	64.8	67.8	70.8	72.9	74.9	77.3	79.8	81.9	83.8	85.8	87.8
2.5°	64.9	67.9	70.9	72.9	74.9	77.4	79.9	81.9	83.9	85.9	87.9
1.25°	65.0	68.0	71.0	73.0	75.0	77.5	80.0	82.0	84.0	86.0	88.0
0°	65.0	68.0	71.0	73.0	75.0	77.5	80.0	82.0	84.0	86.0	88.0
-1.25°	65.0	68.0	71.0	73.0	75.0	77.5	80.0	82.0	84.0	86.0	88.0
-2.5°	64.9	67.9	70.9	72.9	74.9	77.4	79.9	81.9	83.9	85.9	87.9
-3.75°	64.8	67.8	70.8	72.9	74.9	77.3	79.8	81.9	83.8	85.8	87.8
-5°	64.7	67.7	70.7	72.8	74.8	77.2	79.7	81.7	83.7	85.7	87.7
-6.25°	64.5	67.6	70.5	72.7	74.7	77.0	79.5	81.6	83.6	85.6	87.5
-7.5°	64.3	67.4	70.3	72.5	74.5	76.8	79.3	81.4	83.4	85.4	87.3
-8.75°	64.0	67.1	70.1	72.4	74.3	76.6	79.1	81.2	83.2	85.1	87.1
-10°	63.7	66.9	69.8	72.2	74.1	76.3	78.8	81.0	82.9	84.9	86.8
-11.25°	63.4	66.6	69.5	71.9	73.9	76.0	78.5	80.7	82.7	84.6	86.5
-12.5°	63.0	66.2	69.1	71.7	73.6	75.7	78.1	80.4	82.3	84.3	86.2
-13.75°	62.6	65.8	68.7	71.4	73.3	75.3	77.7	80.1	82.0	83.9	85.8
-15°	62.2	65.4	68.3	71.1	73.0	74.9	77.3	79.7	81.6	83.5	85.4
-16.25°	61.7	65.0	67.8	70.7	72.7	74.6	76.8	79.2	81.2	83.1	85.0
-17.5°	61.2	64.5	67.4	70.2	72.3	74.2	76.3	78.7	80.8	82.6	84.5
-18.75°	60.6	63.9	66.8	69.6	71.9	73.8	75.8	78.1	80.3	82.2	84.0
-20°	60.0	63.2	66.3	69.0	71.5	73.4	75.2	77.5	79.8	81.6	83.5
-21.25°	59.4	62.6	65.7	68.4	71.1	72.9	74.7	76.9	79.1	81.1	82.9



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	58.7	61.9	65.0	67.7	70.4	72.4	74.2	76.2	78.4	80.5	82.3
-23.75°	58.0	61.1	64.3	67.0	69.7	71.9	73.7	75.5	77.7	79.9	81.7
-25°	57.1	60.4	63.4	66.3	68.9	71.4	73.1	74.8	77.0	79.1	81.0
-26.25°	56.1	59.6	62.6	65.5	68.1	70.7	72.5	74.2	76.2	78.3	80.3
-27.5°	55.0	58.7	61.7	64.7	67.3	69.9	71.9	73.6	75.4	77.4	79.5
-28.75°	54.0	57.8	60.8	63.7	66.4	69.0	71.3	73.0	74.6	76.6	78.6
-30°	52.9	56.6	59.8	62.8	65.6	68.0	70.5	72.3	73.9	75.6	77.7
-31.25°	51.7	55.4	58.9	61.7	64.6	67.1	69.5	71.6	73.2	74.8	76.7
-32.5°	50.5	54.2	57.8	60.6	63.4	66.1	68.4	70.8	72.4	74.0	75.7
-33.75°	49.3	52.9	56.4	59.5	62.3	65.0	67.4	69.7	71.7	73.2	74.7
-35°	48.2	51.5	55.0	58.4	61.1	63.8	66.3	68.5	70.8	72.4	73.8
-36.25°	47.2	50.2	53.6	57.0	59.9	62.5	65.1	67.4	69.6	71.5	73.0
-37.5°	46.2	48.8	52.1	55.5	58.6	61.2	63.8	66.1	68.3	70.5	72.1
-38.75°	45.1	47.7	50.6	53.9	57.2	59.9	62.4	64.9	67.0	69.1	71.1
-40°	44.0	46.5	49.1	52.3	55.5	58.5	61.0	63.4	65.7	67.8	69.8
-41.25°	42.9	45.4	47.8	50.6	53.8	56.9	59.5	61.9	64.3	66.4	68.4
-42.5°	41.7	44.2	46.6	49.0	52.0	55.0	58.0	60.4	62.7	65.0	66.9
-43.75°	40.4	42.9	45.3	47.6	50.2	53.2	56.1	58.8	61.0	63.3	65.4
-45°	39.0	41.6	44.0	46.3	48.5	51.3	54.1	57.0	59.4	61.6	63.7
-46.25°	37.6	40.2	42.6	44.9	47.1	49.3	52.1	54.9	57.6	59.8	61.9
-47.5°	36.2	38.7	41.2	43.4	45.6	47.7	50.1	52.8	55.4	58.0	60.1
-48.75°	34.7	37.2	39.6	42.0	44.1	46.2	48.2	50.6	53.2	55.7	58.2
-50°	33.6	35.6	38.0	40.3	42.6	44.6	46.6	48.5	50.9	53.4	55.9
-51.25°	32.9	34.1	36.4	38.6	40.9	43.0	44.9	46.8	48.7	51.0	53.4
-52.5°	32.1	33.2	34.7	36.9	39.1	41.3	43.2	45.1	46.9	48.7	50.9
-53.75°	31.4	32.4	33.5	35.2	37.3	39.4	41.4	43.3	45.1	46.8	48.5
-55°	30.6	31.6	32.7	33.7	35.4	37.5	39.5	41.4	43.2	44.9	46.6
-56.25°	29.8	30.8	31.8	32.8	33.8	35.5	37.5	39.4	41.3	43.0	44.6
-57.5°	29.0	30.0	30.9	31.9	32.8	33.8	35.4	37.3	39.1	40.9	42.6
-58.75°	28.2	29.1	30.1	31.0	31.9	32.8	33.7	35.2	36.9	38.6	40.3
-60°	27.4	28.3	29.2	30.1	30.9	31.8	32.7	33.5	34.7	36.4	38.0
-61.25°	26.5	27.4	28.3	29.1	30.0	30.8	31.6	32.4	33.2	34.1	35.6
-62.5°	25.7	26.5	27.4	28.2	29.0	29.8	30.6	31.4	32.1	32.9	33.6
-63.75°	24.9	25.7	26.4	27.2	28.0	28.8	29.5	30.3	31.0	31.7	32.4
-65°	24.0	24.8	25.5	26.3	27.0	27.7	28.4	29.2	29.9	30.5	31.2
-66.25°	23.1	23.9	24.6	25.3	26.0	26.7	27.4	28.0	28.7	29.4	30.0
-67.5°	22.3	23.0	23.6	24.3	25.0	25.6	26.3	26.9	27.6	28.2	28.8
-68.75°	21.3	22.1	22.7	23.3	24.0	24.6	25.2	25.8	26.4	27.0	27.6
-70°	20.2	20.9	21.7	22.4	22.9	23.5	24.1	24.7	25.2	25.8	26.3
-71.25°	19.1	19.8	20.5	21.2	21.9	22.5	23.0	23.5	24.1	24.6	25.1
-72.5°	18.0	18.6	19.3	19.9	20.6	21.2	21.9	22.4	22.9	23.4	23.8
-73.75°	16.8	17.5	18.1	18.7	19.3	19.9	20.5	21.0	21.6	22.1	22.6
-75°	15.5	16.2	16.8	17.4	18.0	18.5	19.1	19.6	20.1	20.6	21.2
-76.25°	14.1	14.8	15.4	16.0	16.6	17.2	17.7	18.2	18.6	19.1	19.6
-77.5°	12.8	13.3	13.9	14.5	15.0	15.6	16.1	16.6	17.1	17.6	18.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.8	16.3
-80°	10.0	10.5	11.0	11.4	11.8	12.3	12.7	13.1	13.6	14.0	14.4
-81.25°	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.4	11.8	12.1	12.5
-82.5°	7.3	7.6	8.0	8.3	8.7	9.0	9.3	9.6	9.9	10.2	10.6
-83.75°	5.9	6.2	6.5	6.8	7.0	7.3	7.6	7.9	8.1	8.4	8.6
-85°	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.7
-86.25°	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.8
-87.5°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2
-88.75°	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
87.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.0
86.25°	4.9	5.1	5.2	5.4	5.5	5.6	5.8	5.9	6.0	6.1	6.3
85°	6.9	7.1	7.3	7.5	7.7	7.8	8.0	8.2	8.4	8.5	8.7
83.75°	8.9	9.1	9.4	9.6	9.8	10.0	10.3	10.5	10.7	10.9	11.1
82.5°	10.8	11.1	11.4	11.7	12.0	12.3	12.5	12.8	13.0	13.3	13.5
81.25°	12.8	13.2	13.5	13.8	14.1	14.5	14.8	15.1	15.4	15.6	15.9
80°	14.8	15.2	15.6	15.9	16.3	16.7	17.0	17.3	17.6	17.8	18.1
78.75°	16.7	17.1	17.5	17.9	18.2	18.5	18.9	19.2	19.5	19.8	20.1
77.5°	18.4	18.8	19.2	19.6	20.0	20.4	20.7	21.1	21.4	21.8	22.1
76.25°	20.0	20.5	20.9	21.4	21.8	22.1	22.5	22.8	23.1	23.4	23.7
75°	21.7	22.1	22.5	22.9	23.2	23.6	24.0	24.3	24.6	25.0	25.3
73.75°	23.0	23.4	23.9	24.3	24.7	25.1	25.4	25.8	26.2	26.5	26.9
72.5°	24.3	24.8	25.2	25.6	26.1	26.5	26.9	27.3	27.7	28.1	28.5
71.25°	25.6	26.1	26.5	27.0	27.5	27.9	28.4	28.8	29.2	29.6	30.0
70°	26.9	27.4	27.9	28.4	28.9	29.4	29.8	30.3	30.8	31.2	31.6
68.75°	28.1	28.7	29.2	29.8	30.3	30.8	31.3	31.8	32.3	32.7	33.2
67.5°	29.4	30.0	30.6	31.1	31.7	32.2	32.8	33.3	33.8	34.6	35.5
66.25°	30.6	31.3	31.9	32.5	33.1	33.6	34.4	35.5	36.6	37.6	38.6
65°	31.9	32.5	33.2	33.8	34.9	36.1	37.3	38.4	39.6	40.7	41.8
63.75°	33.1	33.8	35.0	36.3	37.6	38.9	40.2	41.4	42.5	43.5	44.5
62.5°	34.7	36.2	37.6	39.0	40.4	41.7	42.9	44.0	45.1	46.2	47.2
61.25°	37.2	38.7	40.2	41.6	42.9	44.2	45.4	46.5	47.7	48.8	50.2
60°	39.6	41.2	42.6	44.0	45.3	46.6	47.8	49.1	50.6	52.1	53.6
58.75°	42.0	43.4	44.9	46.3	47.6	49.0	50.6	52.3	53.9	55.5	57.0
57.5°	44.1	45.6	47.1	48.5	50.2	52.0	53.8	55.5	57.2	58.6	59.9
56.25°	46.2	47.7	49.3	51.3	53.2	55.0	56.9	58.5	59.9	61.2	62.5
55°	48.2	50.1	52.1	54.1	56.1	58.0	59.5	61.0	62.4	63.8	65.1
53.75°	50.6	52.8	54.9	57.0	58.8	60.4	61.9	63.4	64.9	66.1	67.4
52.5°	53.2	55.4	57.6	59.4	61.0	62.7	64.3	65.7	67.0	68.3	69.6
51.25°	55.7	58.0	59.8	61.6	63.3	65.0	66.4	67.8	69.1	70.5	71.5
50°	58.2	60.1	61.9	63.7	65.4	66.9	68.4	69.8	71.1	72.1	73.0
48.75°	60.2	62.1	64.0	65.7	67.3	68.8	70.3	71.5	72.5	73.5	74.4
47.5°	62.1	64.0	65.8	67.5	69.1	70.7	71.8	72.9	73.9	74.9	76.0
46.25°	64.0	65.8	67.6	69.3	70.9	72.0	73.1	74.2	75.3	76.5	77.8
45°	65.7	67.5	69.3	71.0	72.1	73.3	74.4	75.6	76.9	78.2	79.5
43.75°	67.3	69.1	70.9	72.1	73.3	74.5	75.8	77.2	78.6	79.9	81.0
42.5°	68.8	70.7	72.0	73.3	74.5	75.9	77.3	78.8	80.2	81.3	82.4
41.25°	70.3	71.8	73.1	74.4	75.8	77.3	78.8	80.3	81.4	82.6	83.7
40°	71.5	72.9	74.2	75.6	77.2	78.8	80.3	81.5	82.7	83.9	85.0
38.75°	72.5	73.9	75.3	76.9	78.6	80.2	81.4	82.7	83.9	85.2	86.4
37.5°	73.5	74.9	76.5	78.2	79.9	81.3	82.6	83.9	85.2	86.4	87.6
36.25°	74.4	76.0	77.8	79.5	81.0	82.4	83.7	85.0	86.4	87.6	89.8
35°	75.4	77.2	79.0	80.6	82.0	83.4	84.8	86.2	87.5	89.7	92.3



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	76.5	78.4	80.2	81.6	83.1	84.5	85.9	87.3	89.4	92.1	94.7
32.5°	77.6	79.5	81.1	82.6	84.1	85.5	87.0	88.8	91.6	94.4	99.3
31.25°	78.6	80.4	82.0	83.5	85.0	86.5	88.0	90.9	93.8	97.9	106.0
30°	79.6	81.3	82.9	84.4	86.0	87.5	90.0	93.0	96.0	104.3	112.5
28.75°	80.5	82.1	83.7	85.3	86.9	88.9	92.0	95.0	101.9	110.5	118.9
27.5°	81.3	82.9	84.5	86.2	87.8	90.7	93.8	98.8	107.7	116.5	129.7
26.25°	82.0	83.7	85.3	87.0	89.2	92.5	95.7	104.2	113.3	124.8	140.2
25°	82.7	84.4	86.1	87.8	90.9	94.2	100.2	109.5	118.8	134.6	150.4
23.75°	83.4	85.1	86.8	89.1	92.4	95.8	105.1	114.6	127.8	144.1	160.2
22.5°	84.0	85.8	87.5	90.5	94.0	100.0	109.8	119.8	136.6	153.2	170.2
21.25°	84.7	86.4	88.4	91.9	95.4	104.3	114.3	127.9	145.0	162.0	179.7
20°	85.3	87.1	89.7	93.3	98.3	108.5	118.5	135.7	153.0	170.8	188.8
18.75°	85.8	87.6	90.9	94.5	102.1	112.4	125.3	143.0	160.7	179.1	197.4
17.5°	86.3	88.4	92.0	95.7	105.6	116.1	132.0	150.0	168.3	187.0	206.9
16.25°	86.8	89.4	93.1	98.3	109.0	119.9	138.3	156.5	175.5	194.5	216.9
15°	87.3	90.4	94.1	101.3	112.1	125.6	144.1	162.8	182.1	201.5	226.2
13.75°	87.7	91.2	95.0	104.1	115.0	130.8	149.6	168.8	188.4	209.8	234.8
12.5°	88.2	92.1	95.9	106.6	117.6	135.6	154.6	174.2	194.1	217.5	242.8
11.25°	88.9	92.8	97.9	109.0	120.8	140.0	159.2	179.2	199.3	224.5	250.1
10°	89.6	93.5	99.9	111.1	124.6	143.9	163.5	183.8	204.8	230.8	256.7
8.75°	90.1	94.1	101.7	112.9	127.9	147.4	167.3	187.8	210.2	236.4	262.6
7.5°	90.6	94.6	103.2	114.5	130.8	150.5	170.7	191.2	214.9	241.3	267.7
6.25°	91.0	95.0	104.5	115.9	133.3	153.1	173.5	194.2	218.9	245.5	272.0
5°	91.4	95.4	105.6	117.0	135.4	155.2	175.8	196.6	222.1	248.9	275.6
3.75°	91.7	95.6	106.4	117.9	137.0	156.9	177.7	198.5	224.7	251.6	278.4
2.5°	91.8	95.8	107.0	118.5	138.1	158.0	179.0	199.9	226.5	253.5	280.4
1.25°	92.0	96.0	107.4	118.9	138.8	158.8	179.7	200.7	227.6	254.6	281.6
0°	92.0	96.0	107.5	119.0	139.0	159.0	180.0	201.0	228.0	255.0	282.0
-1.25°	92.0	96.0	107.4	118.9	138.8	158.8	179.7	200.7	227.6	254.6	281.6
-2.5°	91.8	95.8	107.0	118.5	138.1	158.0	179.0	199.9	226.5	253.5	280.4
-3.75°	91.7	95.6	106.4	117.9	137.0	156.9	177.7	198.5	224.7	251.6	278.4
-5°	91.4	95.4	105.6	117.0	135.4	155.2	175.8	196.6	222.1	248.9	275.6
-6.25°	91.0	95.0	104.5	115.9	133.3	153.1	173.5	194.2	218.9	245.5	272.0
-7.5°	90.6	94.6	103.2	114.5	130.8	150.5	170.7	191.2	214.9	241.3	267.7
-8.75°	90.1	94.1	101.7	112.9	127.9	147.4	167.3	187.8	210.2	236.4	262.6
-10°	89.6	93.5	99.9	111.1	124.6	143.9	163.5	183.8	204.8	230.8	256.7
-11.25°	88.9	92.8	97.9	109.0	120.8	140.0	159.2	179.2	199.3	224.5	250.1
-12.5°	88.2	92.1	95.9	106.6	117.6	135.6	154.6	174.2	194.1	217.5	242.8
-13.75°	87.7	91.2	95.0	104.1	115.0	130.8	149.6	168.8	188.4	209.8	234.8
-15°	87.3	90.4	94.1	101.3	112.1	125.6	144.1	162.8	182.1	201.5	226.2
-16.25°	86.8	89.4	93.1	98.3	109.0	119.9	138.3	156.5	175.5	194.5	216.9
-17.5°	86.3	88.4	92.0	95.7	105.6	116.1	132.0	150.0	168.3	187.0	206.9
-18.75°	85.8	87.6	90.9	94.5	102.1	112.4	125.3	143.0	160.7	179.1	197.4
-20°	85.3	87.1	89.7	93.3	98.3	108.5	118.5	135.7	153.0	170.8	188.8
-21.25°	84.7	86.4	88.4	91.9	95.4	104.3	114.3	127.9	145.0	162.0	179.7



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	84.0	85.8	87.5	90.5	94.0	100.0	109.8	119.8	136.6	153.2	170.2
-23.75°	83.4	85.1	86.8	89.1	92.4	95.8	105.1	114.6	127.8	144.1	160.2
-25°	82.7	84.4	86.1	87.8	90.9	94.2	100.2	109.5	118.8	134.6	150.4
-26.25°	82.0	83.7	85.3	87.0	89.2	92.5	95.7	104.2	113.3	124.8	140.2
-27.5°	81.3	82.9	84.5	86.2	87.8	90.7	93.8	98.8	107.7	116.5	129.7
-28.75°	80.5	82.1	83.7	85.3	86.9	88.9	92.0	95.0	101.9	110.5	118.9
-30°	79.6	81.3	82.9	84.4	86.0	87.5	90.0	93.0	96.0	104.3	112.5
-31.25°	78.6	80.4	82.0	83.5	85.0	86.5	88.0	90.9	93.8	97.9	106.0
-32.5°	77.6	79.5	81.1	82.6	84.1	85.5	87.0	88.8	91.6	94.4	99.3
-33.75°	76.5	78.4	80.2	81.6	83.1	84.5	85.9	87.3	89.4	92.1	94.7
-35°	75.4	77.2	79.0	80.6	82.0	83.4	84.8	86.2	87.5	89.7	92.3
-36.25°	74.4	76.0	77.8	79.5	81.0	82.4	83.7	85.0	86.4	87.6	89.8
-37.5°	73.5	74.9	76.5	78.2	79.9	81.3	82.6	83.9	85.2	86.4	87.6
-38.75°	72.5	73.9	75.3	76.9	78.6	80.2	81.4	82.7	83.9	85.2	86.4
-40°	71.5	72.9	74.2	75.6	77.2	78.8	80.3	81.5	82.7	83.9	85.0
-41.25°	70.3	71.8	73.1	74.4	75.8	77.3	78.8	80.3	81.4	82.6	83.7
-42.5°	68.8	70.7	72.0	73.3	74.5	75.9	77.3	78.8	80.2	81.3	82.4
-43.75°	67.3	69.1	70.9	72.1	73.3	74.5	75.8	77.2	78.6	79.9	81.0
-45°	65.7	67.5	69.3	71.0	72.1	73.3	74.4	75.6	76.9	78.2	79.5
-46.25°	64.0	65.8	67.6	69.3	70.9	72.0	73.1	74.2	75.3	76.5	77.8
-47.5°	62.1	64.0	65.8	67.5	69.1	70.7	71.8	72.9	73.9	74.9	76.0
-48.75°	60.2	62.1	64.0	65.7	67.3	68.8	70.3	71.5	72.5	73.5	74.4
-50°	58.2	60.1	61.9	63.7	65.4	66.9	68.4	69.8	71.1	72.1	73.0
-51.25°	55.7	58.0	59.8	61.6	63.3	65.0	66.4	67.8	69.1	70.5	71.5
-52.5°	53.2	55.4	57.6	59.4	61.0	62.7	64.3	65.7	67.0	68.3	69.6
-53.75°	50.6	52.8	54.9	57.0	58.8	60.4	61.9	63.4	64.9	66.1	67.4
-55°	48.2	50.1	52.1	54.1	56.1	58.0	59.5	61.0	62.4	63.8	65.1
-56.25°	46.2	47.7	49.3	51.3	53.2	55.0	56.9	58.5	59.9	61.2	62.5
-57.5°	44.1	45.6	47.1	48.5	50.2	52.0	53.8	55.5	57.2	58.6	59.9
-58.75°	42.0	43.4	44.9	46.3	47.6	49.0	50.6	52.3	53.9	55.5	57.0
-60°	39.6	41.2	42.6	44.0	45.3	46.6	47.8	49.1	50.6	52.1	53.6
-61.25°	37.2	38.7	40.2	41.6	42.9	44.2	45.4	46.5	47.7	48.8	50.2
-62.5°	34.7	36.2	37.6	39.0	40.4	41.7	42.9	44.0	45.1	46.2	47.2
-63.75°	33.1	33.8	35.0	36.3	37.6	38.9	40.2	41.4	42.5	43.5	44.5
-65°	31.9	32.5	33.2	33.8	34.9	36.1	37.3	38.4	39.6	40.7	41.8
-66.25°	30.6	31.3	31.9	32.5	33.1	33.6	34.4	35.5	36.6	37.6	38.6
-67.5°	29.4	30.0	30.6	31.1	31.7	32.2	32.8	33.3	33.8	34.6	35.5
-68.75°	28.1	28.7	29.2	29.8	30.3	30.8	31.3	31.8	32.3	32.7	33.2
-70°	26.9	27.4	27.9	28.4	28.9	29.4	29.8	30.3	30.8	31.2	31.6
-71.25°	25.6	26.1	26.5	27.0	27.5	27.9	28.4	28.8	29.2	29.6	30.0
-72.5°	24.3	24.8	25.2	25.6	26.1	26.5	26.9	27.3	27.7	28.1	28.5
-73.75°	23.0	23.4	23.9	24.3	24.7	25.1	25.4	25.8	26.2	26.5	26.9
-75°	21.7	22.1	22.5	22.9	23.2	23.6	24.0	24.3	24.6	25.0	25.3
-76.25°	20.0	20.5	20.9	21.4	21.8	22.1	22.5	22.8	23.1	23.4	23.7
-77.5°	18.4	18.8	19.2	19.6	20.0	20.4	20.7	21.1	21.4	21.8	22.1



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	16.7	17.1	17.5	17.9	18.2	18.5	18.9	19.2	19.5	19.8	20.1
-80°	14.8	15.2	15.6	15.9	16.3	16.7	17.0	17.3	17.6	17.8	18.1
-81.25°	12.8	13.2	13.5	13.8	14.1	14.5	14.8	15.1	15.4	15.6	15.9
-82.5°	10.8	11.1	11.4	11.7	12.0	12.3	12.5	12.8	13.0	13.3	13.5
-83.75°	8.9	9.1	9.4	9.6	9.8	10.0	10.3	10.5	10.7	10.9	11.1
-85°	6.9	7.1	7.3	7.5	7.7	7.8	8.0	8.2	8.4	8.5	8.7
-86.25°	4.9	5.1	5.2	5.4	5.5	5.6	5.8	5.9	6.0	6.1	6.3
-87.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.0
-88.75°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
-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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3
87.5°	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.6
86.25°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3
85°	8.8	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9	10.0	10.1
83.75°	11.3	11.5	11.6	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9
82.5°	13.7	14.0	14.2	14.4	14.6	14.8	15.0	15.1	15.3	15.5	15.6
81.25°	16.2	16.4	16.7	16.9	17.1	17.3	17.5	17.7	17.8	18.0	18.2
80°	18.4	18.6	18.8	19.1	19.3	19.5	19.7	19.9	20.1	20.3	20.5
78.75°	20.4	20.7	20.9	21.2	21.5	21.7	21.9	22.1	22.3	22.5	22.6
77.5°	22.3	22.6	22.8	23.1	23.3	23.5	23.7	23.9	24.1	24.3	24.5
76.25°	24.0	24.2	24.5	24.8	25.0	25.2	25.5	25.7	25.9	26.1	26.3
75°	25.6	25.9	26.2	26.5	26.7	27.0	27.2	27.5	27.7	27.9	28.1
73.75°	27.2	27.5	27.8	28.1	28.4	28.7	29.0	29.3	29.5	29.7	30.0
72.5°	28.8	29.2	29.5	29.8	30.2	30.5	30.8	31.0	31.3	31.6	31.8
71.25°	30.4	30.8	31.2	31.5	31.9	32.2	32.5	32.8	33.1	33.4	33.6
70°	32.0	32.4	32.8	33.2	33.6	33.9	34.5	35.2	35.8	36.4	36.9
68.75°	33.6	34.1	35.0	35.8	36.5	37.3	38.0	38.7	39.4	40.0	40.6
67.5°	36.5	37.4	38.3	39.1	39.9	40.7	41.5	42.2	42.8	43.4	44.0
66.25°	39.6	40.6	41.5	42.4	43.2	43.9	44.6	45.3	45.9	46.6	47.2
65°	42.7	43.6	44.5	45.3	46.1	46.9	47.6	48.4	49.1	49.9	50.7
63.75°	45.5	46.4	47.3	48.2	49.1	50.1	51.2	52.1	53.1	54.0	54.8
62.5°	48.2	49.3	50.5	51.7	52.9	54.0	55.0	56.1	57.1	58.0	58.7
61.25°	51.5	52.9	54.2	55.4	56.6	57.8	58.7	59.6	60.4	61.1	61.9
60°	55.0	56.4	57.8	58.9	59.8	60.8	61.7	62.6	63.4	64.3	65.0
58.75°	58.4	59.5	60.6	61.7	62.8	63.7	64.7	65.5	66.3	67.0	67.7
57.5°	61.1	62.3	63.4	64.6	65.6	66.4	67.3	68.1	68.9	69.7	70.4
56.25°	63.8	65.0	66.1	67.1	68.0	69.0	69.9	70.7	71.4	71.9	72.4
55°	66.3	67.4	68.4	69.5	70.5	71.3	71.9	72.5	73.1	73.7	74.2
53.75°	68.5	69.7	70.8	71.6	72.3	73.0	73.6	74.2	74.8	75.5	76.2
52.5°	70.8	71.7	72.4	73.2	73.9	74.6	75.4	76.2	77.0	77.7	78.4
51.25°	72.4	73.2	74.0	74.8	75.6	76.6	77.4	78.3	79.1	79.9	80.5
50°	73.8	74.7	75.7	76.7	77.7	78.6	79.5	80.3	81.0	81.7	82.3
48.75°	75.4	76.5	77.6	78.6	79.6	80.5	81.3	82.0	82.7	83.4	84.0
47.5°	77.2	78.4	79.5	80.4	81.3	82.1	82.9	83.7	84.4	85.1	85.8
46.25°	79.0	80.2	81.1	82.0	82.9	83.7	84.5	85.3	86.1	86.8	87.5
45°	80.6	81.6	82.6	83.5	84.4	85.3	86.2	87.0	87.8	89.1	90.5
43.75°	82.0	83.1	84.1	85.0	86.0	86.9	87.8	89.2	90.9	92.4	94.0
42.5°	83.4	84.5	85.5	86.5	87.5	88.9	90.7	92.5	94.2	95.8	100.0
41.25°	84.8	85.9	87.0	88.0	90.0	92.0	93.8	95.7	100.2	105.1	109.8
40°	86.2	87.3	88.8	90.9	93.0	95.0	98.8	104.2	109.5	114.6	119.8
38.75°	87.5	89.4	91.6	93.8	96.0	101.9	107.7	113.3	118.8	127.8	136.6
37.5°	89.7	92.1	94.4	97.9	104.3	110.5	116.5	124.8	134.6	144.1	153.2
36.25°	92.3	94.7	99.3	106.0	112.5	118.9	129.7	140.2	150.4	160.2	170.2
35°	94.9	100.0	107.0	114.0	122.0	133.5	144.6	155.5	166.3	177.0	187.3



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	100.0	107.4	114.7	123.8	136.0	147.8	159.3	171.1	182.5	193.6	205.1
32.5°	107.0	114.7	124.5	137.2	149.7	162.1	174.6	186.7	198.5	212.5	226.6
31.25°	114.0	123.8	137.2	150.4	163.4	176.6	189.5	202.4	218.0	233.2	247.9
30°	122.0	136.0	149.7	163.4	177.3	190.9	205.1	221.8	237.9	253.6	268.8
28.75°	133.5	147.8	162.1	176.6	190.9	206.0	223.6	240.8	257.5	273.7	289.5
27.5°	144.6	159.3	174.6	189.5	205.1	223.6	241.7	259.4	276.7	293.5	310.0
26.25°	155.5	171.1	186.7	202.4	221.8	240.8	259.4	277.7	295.5	314.2	336.9
25°	166.3	182.5	198.5	218.0	237.9	257.5	276.7	295.5	315.6	339.7	363.3
23.75°	177.0	193.6	212.5	233.2	253.6	273.7	293.5	314.2	339.7	364.7	390.1
22.5°	187.3	205.1	226.6	247.9	268.8	289.5	310.0	336.9	363.3	390.1	419.0
21.25°	197.1	218.3	240.3	262.0	283.5	304.6	331.2	358.9	386.6	417.2	447.1
20°	208.2	230.9	253.3	275.6	297.5	322.8	351.7	380.1	412.0	443.5	475.6
18.75°	219.7	242.9	265.8	288.5	311.7	341.7	371.3	403.3	436.3	469.2	506.7
17.5°	230.7	254.3	277.6	300.8	329.0	359.7	391.2	425.7	459.6	497.3	553.2
16.25°	241.0	265.0	288.8	313.7	345.4	376.8	411.7	447.0	484.3	535.5	620.5
15°	250.7	275.1	299.3	328.5	360.8	394.5	431.0	467.3	510.9	582.5	700.0
13.75°	259.7	284.5	309.2	342.3	375.2	411.8	449.1	489.2	547.3	648.9	791.3
12.5°	268.1	293.2	321.5	355.1	389.6	427.8	465.8	512.3	591.8	722.0	884.1
11.25°	275.7	301.1	332.7	366.8	403.7	442.6	483.7	542.1	646.3	797.2	973.1
10°	282.5	308.3	342.8	377.4	416.4	456.0	500.0	571.0	702.6	872.0	1059.2
8.75°	288.7	316.7	351.9	387.6	427.8	468.2	520.2	613.3	761.1	941.4	1137.0
7.5°	294.0	324.3	359.8	397.2	437.8	480.4	540.5	650.5	812.6	1004.1	1202.8
6.25°	298.6	330.7	366.5	405.3	446.4	490.8	557.9	684.6	861.7	1059.9	1259.0
5°	302.3	336.0	372.1	412.0	453.4	499.3	576.1	719.2	902.8	1106.1	1305.7
3.75°	305.2	340.2	376.4	417.2	458.9	506.7	595.6	746.3	935.1	1142.4	1339.4
2.5°	307.3	343.1	379.5	421.0	462.8	514.3	609.7	765.8	958.3	1167.5	1363.6
1.25°	308.6	344.9	381.4	423.2	465.2	519.0	618.2	777.6	972.3	1182.5	1378.1
0°	309.0	345.5	382.0	424.0	466.0	520.5	621.0	781.5	977.0	1187.5	1383.0
-1.25°	308.6	344.9	381.4	423.2	465.2	519.0	618.2	777.6	972.3	1182.5	1378.1
-2.5°	307.3	343.1	379.5	421.0	462.8	514.3	609.7	765.8	958.3	1167.5	1363.6
-3.75°	305.2	340.2	376.4	417.2	458.9	506.7	595.6	746.3	935.1	1142.4	1339.4
-5°	302.3	336.0	372.1	412.0	453.4	499.3	576.1	719.2	902.8	1106.1	1305.7
-6.25°	298.6	330.7	366.5	405.3	446.4	490.8	557.9	684.6	861.7	1059.9	1259.0
-7.5°	294.0	324.3	359.8	397.2	437.8	480.4	540.5	650.5	812.6	1004.1	1202.8
-8.75°	288.7	316.7	351.9	387.6	427.8	468.2	520.2	613.3	761.1	941.4	1137.0
-10°	282.5	308.3	342.8	377.4	416.4	456.0	500.0	571.0	702.6	872.0	1059.2
-11.25°	275.7	301.1	332.7	366.8	403.7	442.6	483.7	542.1	646.3	797.2	973.1
-12.5°	268.1	293.2	321.5	355.1	389.6	427.8	465.8	512.3	591.8	722.0	884.1
-13.75°	259.7	284.5	309.2	342.3	375.2	411.8	449.1	489.2	547.3	648.9	791.3
-15°	250.7	275.1	299.3	328.5	360.8	394.5	431.0	467.3	510.9	582.5	700.0
-16.25°	241.0	265.0	288.8	313.7	345.4	376.8	411.7	447.0	484.3	535.5	620.5
-17.5°	230.7	254.3	277.6	300.8	329.0	359.7	391.2	425.7	459.6	497.3	553.2
-18.75°	219.7	242.9	265.8	288.5	311.7	341.7	371.3	403.3	436.3	469.2	506.7
-20°	208.2	230.9	253.3	275.6	297.5	322.8	351.7	380.1	412.0	443.5	475.6
-21.25°	197.1	218.3	240.3	262.0	283.5	304.6	331.2	358.9	386.6	417.2	447.1



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	187.3	205.1	226.6	247.9	268.8	289.5	310.0	336.9	363.3	390.1	419.0
-23.75°	177.0	193.6	212.5	233.2	253.6	273.7	293.5	314.2	339.7	364.7	390.1
-25°	166.3	182.5	198.5	218.0	237.9	257.5	276.7	295.5	315.6	339.7	363.3
-26.25°	155.5	171.1	186.7	202.4	221.8	240.8	259.4	277.7	295.5	314.2	336.9
-27.5°	144.6	159.3	174.6	189.5	205.1	223.6	241.7	259.4	276.7	293.5	310.0
-28.75°	133.5	147.8	162.1	176.6	190.9	206.0	223.6	240.8	257.5	273.7	289.5
-30°	122.0	136.0	149.7	163.4	177.3	190.9	205.1	221.8	237.9	253.6	268.8
-31.25°	114.0	123.8	137.2	150.4	163.4	176.6	189.5	202.4	218.0	233.2	247.9
-32.5°	107.0	114.7	124.5	137.2	149.7	162.1	174.6	186.7	198.5	212.5	226.6
-33.75°	100.0	107.4	114.7	123.8	136.0	147.8	159.3	171.1	182.5	193.6	205.1
-35°	94.9	100.0	107.0	114.0	122.0	133.5	144.6	155.5	166.3	177.0	187.3
-36.25°	92.3	94.7	99.3	106.0	112.5	118.9	129.7	140.2	150.4	160.2	170.2
-37.5°	89.7	92.1	94.4	97.9	104.3	110.5	116.5	124.8	134.6	144.1	153.2
-38.75°	87.5	89.4	91.6	93.8	96.0	101.9	107.7	113.3	118.8	127.8	136.6
-40°	86.2	87.3	88.8	90.9	93.0	95.0	98.8	104.2	109.5	114.6	119.8
-41.25°	84.8	85.9	87.0	88.0	90.0	92.0	93.8	95.7	100.2	105.1	109.8
-42.5°	83.4	84.5	85.5	86.5	87.5	88.9	90.7	92.5	94.2	95.8	100.0
-43.75°	82.0	83.1	84.1	85.0	86.0	86.9	87.8	89.2	90.9	92.4	94.0
-45°	80.6	81.6	82.6	83.5	84.4	85.3	86.2	87.0	87.8	89.1	90.5
-46.25°	79.0	80.2	81.1	82.0	82.9	83.7	84.5	85.3	86.1	86.8	87.5
-47.5°	77.2	78.4	79.5	80.4	81.3	82.1	82.9	83.7	84.4	85.1	85.8
-48.75°	75.4	76.5	77.6	78.6	79.6	80.5	81.3	82.0	82.7	83.4	84.0
-50°	73.8	74.7	75.7	76.7	77.7	78.6	79.5	80.3	81.0	81.7	82.3
-51.25°	72.4	73.2	74.0	74.8	75.6	76.6	77.4	78.3	79.1	79.9	80.5
-52.5°	70.8	71.7	72.4	73.2	73.9	74.6	75.4	76.2	77.0	77.7	78.4
-53.75°	68.5	69.7	70.8	71.6	72.3	73.0	73.6	74.2	74.8	75.5	76.2
-55°	66.3	67.4	68.4	69.5	70.5	71.3	71.9	72.5	73.1	73.7	74.2
-56.25°	63.8	65.0	66.1	67.1	68.0	69.0	69.9	70.7	71.4	71.9	72.4
-57.5°	61.1	62.3	63.4	64.6	65.6	66.4	67.3	68.1	68.9	69.7	70.4
-58.75°	58.4	59.5	60.6	61.7	62.8	63.7	64.7	65.5	66.3	67.0	67.7
-60°	55.0	56.4	57.8	58.9	59.8	60.8	61.7	62.6	63.4	64.3	65.0
-61.25°	51.5	52.9	54.2	55.4	56.6	57.8	58.7	59.6	60.4	61.1	61.9
-62.5°	48.2	49.3	50.5	51.7	52.9	54.0	55.0	56.1	57.1	58.0	58.7
-63.75°	45.5	46.4	47.3	48.2	49.1	50.1	51.2	52.1	53.1	54.0	54.8
-65°	42.7	43.6	44.5	45.3	46.1	46.9	47.6	48.4	49.1	49.9	50.7
-66.25°	39.6	40.6	41.5	42.4	43.2	43.9	44.6	45.3	45.9	46.6	47.2
-67.5°	36.5	37.4	38.3	39.1	39.9	40.7	41.5	42.2	42.8	43.4	44.0
-68.75°	33.6	34.1	35.0	35.8	36.5	37.3	38.0	38.7	39.4	40.0	40.6
-70°	32.0	32.4	32.8	33.2	33.6	33.9	34.5	35.2	35.8	36.4	36.9
-71.25°	30.4	30.8	31.2	31.5	31.9	32.2	32.5	32.8	33.1	33.4	33.6
-72.5°	28.8	29.2	29.5	29.8	30.2	30.5	30.8	31.0	31.3	31.6	31.8
-73.75°	27.2	27.5	27.8	28.1	28.4	28.7	29.0	29.3	29.5	29.7	30.0
-75°	25.6	25.9	26.2	26.5	26.7	27.0	27.2	27.5	27.7	27.9	28.1
-76.25°	24.0	24.2	24.5	24.8	25.0	25.2	25.5	25.7	25.9	26.1	26.3
-77.5°	22.3	22.6	22.8	23.1	23.3	23.5	23.7	23.9	24.1	24.3	24.5



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	20.4	20.7	20.9	21.2	21.5	21.7	21.9	22.1	22.3	22.5	22.6
-80°	18.4	18.6	18.8	19.1	19.3	19.5	19.7	19.9	20.1	20.3	20.5
-81.25°	16.2	16.4	16.7	16.9	17.1	17.3	17.5	17.7	17.8	18.0	18.2
-82.5°	13.7	14.0	14.2	14.4	14.6	14.8	15.0	15.1	15.3	15.5	15.6
-83.75°	11.3	11.5	11.6	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9
-85°	8.8	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9	10.0	10.1
-86.25°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3
-87.5°	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.6
-88.75°	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3
-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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
87.5°	4.7	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9
86.25°	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9
85°	10.2	10.3	10.4	10.4	10.5	10.6	10.7	10.7	10.8	10.8	10.9
83.75°	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.6	13.7	13.8	13.8
82.5°	15.8	15.9	16.0	16.2	16.3	16.4	16.5	16.6	16.7	16.7	16.8
81.25°	18.3	18.4	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.2	19.3
80°	20.6	20.8	20.9	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8
78.75°	22.8	22.9	23.0	23.2	23.3	23.4	23.5	23.6	23.6	23.7	23.8
77.5°	24.6	24.8	24.9	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8
76.25°	26.5	26.6	26.8	27.0	27.1	27.2	27.4	27.5	27.6	27.7	27.7
75°	28.3	28.5	28.7	28.9	29.0	29.2	29.3	29.4	29.5	29.6	29.7
73.75°	30.2	30.4	30.6	30.8	30.9	31.1	31.2	31.4	31.5	31.6	31.7
72.5°	32.0	32.3	32.5	32.7	32.8	33.0	33.2	33.3	33.4	33.6	33.7
71.25°	33.9	34.3	34.7	35.1	35.5	35.9	36.2	36.5	36.8	37.1	37.3
70°	37.5	38.0	38.5	38.9	39.3	39.7	40.1	40.4	40.7	41.0	41.2
68.75°	41.2	41.7	42.2	42.6	43.0	43.4	43.7	44.0	44.3	44.6	44.8
67.5°	44.5	45.0	45.5	45.9	46.4	46.7	47.1	47.4	47.7	48.0	48.2
66.25°	47.7	48.3	48.8	49.3	49.9	50.4	50.9	51.4	51.8	52.1	52.4
65°	51.5	52.2	52.9	53.6	54.2	54.7	55.3	55.7	56.2	56.5	56.9
63.75°	55.6	56.4	57.1	57.8	58.4	58.8	59.2	59.6	60.0	60.3	60.6
62.5°	59.4	60.0	60.6	61.2	61.7	62.2	62.6	63.0	63.4	63.7	64.0
61.25°	62.6	63.2	63.9	64.5	65.0	65.4	65.8	66.2	66.6	66.9	67.1
60°	65.7	66.3	66.8	67.4	67.8	68.3	68.7	69.1	69.5	69.8	70.1
58.75°	68.4	69.0	69.6	70.2	70.7	71.1	71.4	71.7	71.9	72.2	72.4
57.5°	71.1	71.5	71.9	72.3	72.7	73.0	73.3	73.6	73.9	74.1	74.3
56.25°	72.9	73.4	73.8	74.2	74.6	74.9	75.3	75.7	76.0	76.3	76.6
55°	74.7	75.2	75.8	76.3	76.8	77.3	77.7	78.1	78.5	78.8	79.1
53.75°	76.9	77.5	78.1	78.7	79.2	79.7	80.1	80.4	80.7	81.0	81.2
52.5°	79.1	79.8	80.3	80.8	81.2	81.6	82.0	82.3	82.7	82.9	83.2
51.25°	81.1	81.6	82.2	82.6	83.1	83.5	83.9	84.3	84.6	84.9	85.1
50°	82.9	83.5	84.0	84.5	85.0	85.4	85.8	86.2	86.5	86.8	87.1
48.75°	84.7	85.3	85.8	86.3	86.8	87.3	87.7	88.2	88.9	89.6	90.1
47.5°	86.4	87.1	87.6	88.4	89.4	90.4	91.2	92.1	92.8	93.5	94.1
46.25°	88.4	89.7	90.9	92.0	93.1	94.1	95.0	95.9	97.9	99.9	101.7
45°	91.9	93.3	94.5	95.7	98.3	101.3	104.1	106.6	109.0	111.1	112.9
43.75°	95.4	98.3	102.1	105.6	109.0	112.1	115.0	117.6	120.8	124.6	127.9
42.5°	104.3	108.5	112.4	116.1	119.9	125.6	130.8	135.6	140.0	143.9	147.4
41.25°	114.3	118.5	125.3	132.0	138.3	144.1	149.6	154.6	159.2	163.5	167.3
40°	127.9	135.7	143.0	150.0	156.5	162.8	168.8	174.2	179.2	183.8	187.8
38.75°	145.0	153.0	160.7	168.3	175.5	182.1	188.4	194.1	199.3	204.8	210.2
37.5°	162.0	170.8	179.1	187.0	194.5	201.5	209.8	217.5	224.5	230.8	236.4
36.25°	179.7	188.8	197.4	206.9	216.9	226.2	234.8	242.8	250.1	256.7	262.6
35°	197.1	208.2	219.7	230.7	241.0	250.7	259.7	268.1	275.7	282.5	288.7



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	218.3	230.9	242.9	254.3	265.0	275.1	284.5	293.2	301.1	308.3	316.7
32.5°	240.3	253.3	265.8	277.6	288.8	299.3	309.2	321.5	332.7	342.8	351.9
31.25°	262.0	275.6	288.5	300.8	313.7	328.5	342.3	355.1	366.8	377.4	387.6
30°	283.5	297.5	311.7	329.0	345.4	360.8	375.2	389.6	403.7	416.4	427.8
28.75°	304.6	322.8	341.7	359.7	376.8	394.5	411.8	427.8	442.6	456.0	468.2
27.5°	331.2	351.7	371.3	391.2	411.7	431.0	449.1	465.8	483.7	500.0	520.2
26.25°	358.9	380.1	403.3	425.7	447.0	467.3	489.2	512.3	542.1	571.0	613.3
25°	386.6	412.0	436.3	459.6	484.3	510.9	547.3	591.8	646.3	702.6	761.1
23.75°	417.2	443.5	469.2	497.3	535.5	582.5	648.9	722.0	797.2	872.0	941.4
22.5°	447.1	475.6	506.7	553.2	620.5	700.0	791.3	884.1	973.1	1059.2	1137.0
21.25°	477.7	513.7	564.0	646.0	743.1	847.6	955.2	1060.9	1159.7	1246.4	1323.3
20°	513.7	568.0	658.9	769.2	887.8	1008.6	1128.3	1236.3	1333.6	1417.2	1484.8
18.75°	564.0	658.9	777.9	908.0	1041.8	1172.6	1292.1	1396.4	1484.4	1553.0	1599.4
17.5°	646.0	769.2	908.0	1053.0	1194.5	1324.6	1439.0	1527.0	1593.3	1639.3	1676.2
16.25°	743.1	887.8	1041.8	1194.5	1334.9	1459.7	1552.9	1615.9	1665.3	1707.4	1747.6
15°	847.6	1008.6	1172.6	1324.6	1459.7	1561.6	1627.4	1680.7	1729.6	1776.4	1819.2
13.75°	955.2	1128.3	1292.1	1439.0	1552.9	1627.4	1685.9	1740.9	1794.0	1843.6	1889.3
12.5°	1060.9	1236.3	1396.4	1527.0	1615.9	1680.7	1740.9	1799.9	1856.0	1908.7	1955.3
11.25°	1159.7	1333.6	1484.4	1593.3	1665.3	1729.6	1794.0	1856.0	1914.9	1968.4	2026.1
10°	1246.4	1417.2	1553.0	1639.3	1707.4	1776.4	1843.6	1908.7	1968.4	2034.3	2099.1
8.75°	1323.3	1484.8	1599.4	1676.2	1747.6	1819.2	1889.3	1955.3	2026.1	2099.1	2169.7
7.5°	1386.4	1536.8	1634.5	1708.5	1783.6	1857.7	1929.5	2002.1	2081.0	2159.8	2232.6
6.25°	1440.8	1578.2	1662.1	1737.7	1814.9	1891.3	1964.0	2045.6	2130.7	2213.2	2286.0
5°	1479.6	1601.9	1683.9	1762.2	1841.2	1919.0	1997.1	2084.5	2173.8	2256.8	2329.6
3.75°	1507.2	1620.6	1701.2	1781.6	1862.1	1940.6	2024.3	2115.8	2207.7	2290.2	2361.2
2.5°	1527.2	1634.1	1713.9	1795.6	1877.2	1956.3	2044.2	2139.0	2231.5	2314.2	2384.5
1.25°	1539.2	1642.3	1721.9	1804.1	1886.4	1965.8	2057.0	2153.2	2246.1	2329.0	2397.9
0°	1543.3	1645.0	1724.5	1807.0	1889.5	1969.0	2061.3	2158.0	2251.0	2334.0	2402.3
-1.25°	1539.2	1642.3	1721.9	1804.1	1886.4	1965.8	2057.0	2153.2	2246.1	2329.0	2397.9
-2.5°	1527.2	1634.1	1713.9	1795.6	1877.2	1956.3	2044.2	2139.0	2231.5	2314.2	2384.5
-3.75°	1507.2	1620.6	1701.2	1781.6	1862.1	1940.6	2024.3	2115.8	2207.7	2290.2	2361.2
-5°	1479.6	1601.9	1683.9	1762.2	1841.2	1919.0	1997.1	2084.5	2173.8	2256.8	2329.6
-6.25°	1440.8	1578.2	1662.1	1737.7	1814.9	1891.3	1964.0	2045.6	2130.7	2213.2	2286.0
-7.5°	1386.4	1536.8	1634.5	1708.5	1783.6	1857.7	1929.5	2002.1	2081.0	2159.8	2232.6
-8.75°	1323.3	1484.8	1599.4	1676.2	1747.6	1819.2	1889.3	1955.3	2026.1	2099.1	2169.7
-10°	1246.4	1417.2	1553.0	1639.3	1707.4	1776.4	1843.6	1908.7	1968.4	2034.3	2099.1
-11.25°	1159.7	1333.6	1484.4	1593.3	1665.3	1729.6	1794.0	1856.0	1914.9	1968.4	2026.1
-12.5°	1060.9	1236.3	1396.4	1527.0	1615.9	1680.7	1740.9	1799.9	1856.0	1908.7	1955.3
-13.75°	955.2	1128.3	1292.1	1439.0	1552.9	1627.4	1685.9	1740.9	1794.0	1843.6	1889.3
-15°	847.6	1008.6	1172.6	1324.6	1459.7	1561.6	1627.4	1680.7	1729.6	1776.4	1819.2
-16.25°	743.1	887.8	1041.8	1194.5	1334.9	1459.7	1552.9	1615.9	1665.3	1707.4	1747.6
-17.5°	646.0	769.2	908.0	1053.0	1194.5	1324.6	1439.0	1527.0	1593.3	1639.3	1676.2
-18.75°	564.0	658.9	777.9	908.0	1041.8	1172.6	1292.1	1396.4	1484.4	1553.0	1599.4
-20°	513.7	568.0	658.9	769.2	887.8	1008.6	1128.3	1236.3	1333.6	1417.2	1484.8
-21.25°	477.7	513.7	564.0	646.0	743.1	847.6	955.2	1060.9	1159.7	1246.4	1323.3



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	447.1	475.6	506.7	553.2	620.5	700.0	791.3	884.1	973.1	1059.2	1137.0
-23.75°	417.2	443.5	469.2	497.3	535.5	582.5	648.9	722.0	797.2	872.0	941.4
-25°	386.6	412.0	436.3	459.6	484.3	510.9	547.3	591.8	646.3	702.6	761.1
-26.25°	358.9	380.1	403.3	425.7	447.0	467.3	489.2	512.3	542.1	571.0	613.3
-27.5°	331.2	351.7	371.3	391.2	411.7	431.0	449.1	465.8	483.7	500.0	520.2
-28.75°	304.6	322.8	341.7	359.7	376.8	394.5	411.8	427.8	442.6	456.0	468.2
-30°	283.5	297.5	311.7	329.0	345.4	360.8	375.2	389.6	403.7	416.4	427.8
-31.25°	262.0	275.6	288.5	300.8	313.7	328.5	342.3	355.1	366.8	377.4	387.6
-32.5°	240.3	253.3	265.8	277.6	288.8	299.3	309.2	321.5	332.7	342.8	351.9
-33.75°	218.3	230.9	242.9	254.3	265.0	275.1	284.5	293.2	301.1	308.3	316.7
-35°	197.1	208.2	219.7	230.7	241.0	250.7	259.7	268.1	275.7	282.5	288.7
-36.25°	179.7	188.8	197.4	206.9	216.9	226.2	234.8	242.8	250.1	256.7	262.6
-37.5°	162.0	170.8	179.1	187.0	194.5	201.5	209.8	217.5	224.5	230.8	236.4
-38.75°	145.0	153.0	160.7	168.3	175.5	182.1	188.4	194.1	199.3	204.8	210.2
-40°	127.9	135.7	143.0	150.0	156.5	162.8	168.8	174.2	179.2	183.8	187.8
-41.25°	114.3	118.5	125.3	132.0	138.3	144.1	149.6	154.6	159.2	163.5	167.3
-42.5°	104.3	108.5	112.4	116.1	119.9	125.6	130.8	135.6	140.0	143.9	147.4
-43.75°	95.4	98.3	102.1	105.6	109.0	112.1	115.0	117.6	120.8	124.6	127.9
-45°	91.9	93.3	94.5	95.7	98.3	101.3	104.1	106.6	109.0	111.1	112.9
-46.25°	88.4	89.7	90.9	92.0	93.1	94.1	95.0	95.9	97.9	99.9	101.7
-47.5°	86.4	87.1	87.6	88.4	89.4	90.4	91.2	92.1	92.8	93.5	94.1
-48.75°	84.7	85.3	85.8	86.3	86.8	87.3	87.7	88.2	88.9	89.6	90.1
-50°	82.9	83.5	84.0	84.5	85.0	85.4	85.8	86.2	86.5	86.8	87.1
-51.25°	81.1	81.6	82.2	82.6	83.1	83.5	83.9	84.3	84.6	84.9	85.1
-52.5°	79.1	79.8	80.3	80.8	81.2	81.6	82.0	82.3	82.7	82.9	83.2
-53.75°	76.9	77.5	78.1	78.7	79.2	79.7	80.1	80.4	80.7	81.0	81.2
-55°	74.7	75.2	75.8	76.3	76.8	77.3	77.7	78.1	78.5	78.8	79.1
-56.25°	72.9	73.4	73.8	74.2	74.6	74.9	75.3	75.7	76.0	76.3	76.6
-57.5°	71.1	71.5	71.9	72.3	72.7	73.0	73.3	73.6	73.9	74.1	74.3
-58.75°	68.4	69.0	69.6	70.2	70.7	71.1	71.4	71.7	71.9	72.2	72.4
-60°	65.7	66.3	66.8	67.4	67.8	68.3	68.7	69.1	69.5	69.8	70.1
-61.25°	62.6	63.2	63.9	64.5	65.0	65.4	65.8	66.2	66.6	66.9	67.1
-62.5°	59.4	60.0	60.6	61.2	61.7	62.2	62.6	63.0	63.4	63.7	64.0
-63.75°	55.6	56.4	57.1	57.8	58.4	58.8	59.2	59.6	60.0	60.3	60.6
-65°	51.5	52.2	52.9	53.6	54.2	54.7	55.3	55.7	56.2	56.5	56.9
-66.25°	47.7	48.3	48.8	49.3	49.9	50.4	50.9	51.4	51.8	52.1	52.4
-67.5°	44.5	45.0	45.5	45.9	46.4	46.7	47.1	47.4	47.7	48.0	48.2
-68.75°	41.2	41.7	42.2	42.6	43.0	43.4	43.7	44.0	44.3	44.6	44.8
-70°	37.5	38.0	38.5	38.9	39.3	39.7	40.1	40.4	40.7	41.0	41.2
-71.25°	33.9	34.3	34.7	35.1	35.5	35.9	36.2	36.5	36.8	37.1	37.3
-72.5°	32.0	32.3	32.5	32.7	32.8	33.0	33.2	33.3	33.4	33.6	33.7
-73.75°	30.2	30.4	30.6	30.8	30.9	31.1	31.2	31.4	31.5	31.6	31.7
-75°	28.3	28.5	28.7	28.9	29.0	29.2	29.3	29.4	29.5	29.6	29.7
-76.25°	26.5	26.6	26.8	27.0	27.1	27.2	27.4	27.5	27.6	27.7	27.7
-77.5°	24.6	24.8	24.9	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	22.8	22.9	23.0	23.2	23.3	23.4	23.5	23.6	23.6	23.7	23.8
-80°	20.6	20.8	20.9	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8
-81.25°	18.3	18.4	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.2	19.3
-82.5°	15.8	15.9	16.0	16.2	16.3	16.4	16.5	16.6	16.7	16.7	16.8
-83.75°	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.6	13.7	13.8	13.8
-85°	10.2	10.3	10.4	10.4	10.5	10.6	10.7	10.7	10.8	10.8	10.9
-86.25°	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9
-87.5°	4.7	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9
-88.75°	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
-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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
86.25°	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
85°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
83.75°	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
82.5°	16.8	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9
81.25°	19.3	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.4
80°	21.8	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.9
78.75°	23.8	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.9
77.5°	25.8	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	25.9
76.25°	27.8	27.9	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.9
75°	29.8	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	29.9	29.9
73.75°	31.8	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	31.9	31.9
72.5°	33.8	33.8	33.9	33.9	34.0	34.0	34.0	34.0	34.0	33.9	33.9
71.25°	37.5	37.6	37.8	37.9	37.9	38.0	38.0	38.0	37.9	37.9	37.8
70°	41.4	41.6	41.7	41.9	41.9	42.0	42.0	42.0	41.9	41.9	41.7
68.75°	45.0	45.1	45.3	45.4	45.4	45.5	45.5	45.5	45.4	45.4	45.3
67.5°	48.4	48.6	48.7	48.9	48.9	49.0	49.0	49.0	48.9	48.9	48.7
66.25°	52.7	53.0	53.2	53.3	53.4	53.5	53.5	53.5	53.4	53.3	53.2
65°	57.2	57.4	57.6	57.8	57.9	58.0	58.0	58.0	57.9	57.8	57.6
63.75°	60.8	61.0	61.2	61.3	61.4	61.5	61.5	61.5	61.4	61.3	61.2
62.5°	64.3	64.5	64.7	64.8	64.9	65.0	65.0	65.0	64.9	64.8	64.7
61.25°	67.4	67.6	67.7	67.8	67.9	68.0	68.0	68.0	67.9	67.8	67.7
60°	70.3	70.5	70.7	70.8	70.9	71.0	71.0	71.0	70.9	70.8	70.7
58.75°	72.5	72.7	72.8	72.9	72.9	73.0	73.0	73.0	72.9	72.9	72.8
57.5°	74.5	74.7	74.8	74.9	74.9	75.0	75.0	75.0	74.9	74.9	74.8
56.25°	76.8	77.0	77.2	77.3	77.4	77.5	77.5	77.5	77.4	77.3	77.2
55°	79.3	79.5	79.7	79.8	79.9	80.0	80.0	80.0	79.9	79.8	79.7
53.75°	81.4	81.6	81.7	81.9	81.9	82.0	82.0	82.0	81.9	81.9	81.7
52.5°	83.4	83.6	83.7	83.8	83.9	84.0	84.0	84.0	83.9	83.8	83.7
51.25°	85.4	85.6	85.7	85.8	85.9	86.0	86.0	86.0	85.9	85.8	85.7
50°	87.3	87.5	87.7	87.8	87.9	88.0	88.0	88.0	87.9	87.8	87.7
48.75°	90.6	91.0	91.4	91.7	91.8	92.0	92.0	92.0	91.8	91.7	91.4
47.5°	94.6	95.0	95.4	95.6	95.8	96.0	96.0	96.0	95.8	95.6	95.4
46.25°	103.2	104.5	105.6	106.4	107.0	107.4	107.4	107.4	107.0	106.4	105.6
45°	114.5	115.9	117.0	117.9	118.5	118.9	118.9	118.9	118.5	117.9	117.0
43.75°	130.8	133.3	135.4	137.0	138.1	138.8	138.8	138.8	138.1	137.0	135.4
42.5°	150.5	153.1	155.2	156.9	158.0	158.8	158.8	158.8	158.0	156.9	155.2
41.25°	170.7	173.5	175.8	177.7	179.0	179.7	179.7	179.7	179.0	177.7	175.8
40°	191.2	194.2	196.6	198.5	199.9	200.7	200.7	200.7	199.9	198.5	196.6
38.75°	214.9	218.9	222.1	224.7	226.5	227.6	227.6	227.6	226.5	224.7	222.1
37.5°	241.3	245.5	248.9	251.6	253.5	254.6	254.6	254.6	253.5	251.6	248.9
36.25°	267.7	272.0	275.6	278.4	280.4	281.6	281.6	281.6	280.4	278.4	275.6
35°	294.0	298.6	302.3	305.2	307.3	308.6	308.6	308.6	307.3	305.2	302.3



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	324.3	330.7	336.0	340.2	343.1	344.9	345.5	344.9	343.1	340.2	336.0
32.5°	359.8	366.5	372.1	376.4	379.5	381.4	382.0	381.4	379.5	376.4	372.1
31.25°	397.2	405.3	412.0	417.2	421.0	423.2	424.0	423.2	421.0	417.2	412.0
30°	437.8	446.4	453.4	458.9	462.8	465.2	466.0	465.2	462.8	458.9	453.4
28.75°	480.4	490.8	499.3	506.7	514.3	519.0	520.5	519.0	514.3	506.7	499.3
27.5°	540.5	557.9	576.1	595.6	609.7	618.2	621.0	618.2	609.7	595.6	576.1
26.25°	650.5	684.6	719.2	746.3	765.8	777.6	781.5	777.6	765.8	746.3	719.2
25°	812.6	861.7	902.8	935.1	958.3	972.3	977.0	972.3	958.3	935.1	902.8
23.75°	1004.1	1059.9	1106.1	1142.4	1167.5	1182.5	1187.5	1182.5	1167.5	1142.4	1106.1
22.5°	1202.8	1259.0	1305.7	1339.4	1363.6	1378.1	1383.0	1378.1	1363.6	1339.4	1305.7
21.25°	1386.4	1440.8	1479.6	1507.2	1527.2	1539.2	1543.3	1539.2	1527.2	1507.2	1479.6
20°	1536.8	1578.2	1601.9	1620.6	1634.1	1642.3	1645.0	1642.3	1634.1	1620.6	1601.9
18.75°	1634.5	1662.1	1683.9	1701.2	1713.9	1721.9	1724.5	1721.9	1713.9	1701.2	1683.9
17.5°	1708.5	1737.7	1762.2	1781.6	1795.6	1804.1	1807.0	1804.1	1795.6	1781.6	1762.2
16.25°	1783.6	1814.9	1841.2	1862.1	1877.2	1886.4	1889.5	1886.4	1877.2	1862.1	1841.2
15°	1857.7	1891.3	1919.0	1940.6	1956.3	1965.8	1969.0	1965.8	1956.3	1940.6	1919.0
13.75°	1929.5	1964.0	1997.1	2024.3	2044.2	2057.0	2061.3	2057.0	2044.2	2024.3	1997.1
12.5°	2002.1	2045.6	2084.5	2115.8	2139.0	2153.2	2158.0	2153.2	2139.0	2115.8	2084.5
11.25°	2081.0	2130.7	2173.8	2207.7	2231.5	2246.1	2251.0	2246.1	2231.5	2207.7	2173.8
10°	2159.8	2213.2	2256.8	2290.2	2314.2	2329.0	2334.0	2329.0	2314.2	2290.2	2256.8
8.75°	2232.6	2286.0	2329.6	2361.2	2384.5	2397.9	2402.3	2397.9	2384.5	2361.2	2329.6
7.5°	2295.6	2347.9	2389.7	2420.4	2442.7	2454.1	2458.0	2454.1	2442.7	2420.4	2389.7
6.25°	2347.9	2398.3	2439.1	2466.2	2484.0	2493.3	2496.5	2493.3	2484.0	2466.2	2439.1
5°	2389.7	2439.1	2474.5	2496.6	2508.3	2514.0	2516.0	2514.0	2508.3	2496.6	2474.5
3.75°	2420.4	2466.2	2496.6	2512.1	2519.0	2522.0	2522.0	2522.0	2519.0	2512.1	2496.6
2.5°	2442.7	2484.0	2508.3	2519.0	2522.0	2521.2	2520.0	2521.2	2522.0	2519.0	2508.3
1.25°	2454.1	2493.3	2514.0	2522.0	2521.2	2518.5	2519.5	2518.5	2521.2	2522.0	2514.0
0°	2458.0	2496.5	2516.0	2522.0	2520.0	2519.5	2527.0	2519.5	2520.0	2522.0	2516.0
-1.25°	2454.1	2493.3	2514.0	2522.0	2521.2	2518.5	2519.5	2518.5	2521.2	2522.0	2514.0
-2.5°	2442.7	2484.0	2508.3	2519.0	2522.0	2521.2	2520.0	2521.2	2522.0	2519.0	2508.3
-3.75°	2420.4	2466.2	2496.6	2512.1	2519.0	2522.0	2522.0	2522.0	2519.0	2512.1	2496.6
-5°	2389.7	2439.1	2474.5	2496.6	2508.3	2514.0	2516.0	2514.0	2508.3	2496.6	2474.5
-6.25°	2347.9	2398.3	2439.1	2466.2	2484.0	2493.3	2496.5	2493.3	2484.0	2466.2	2439.1
-7.5°	2295.6	2347.9	2389.7	2420.4	2442.7	2454.1	2458.0	2454.1	2442.7	2420.4	2389.7
-8.75°	2232.6	2286.0	2329.6	2361.2	2384.5	2397.9	2402.3	2397.9	2384.5	2361.2	2329.6
-10°	2159.8	2213.2	2256.8	2290.2	2314.2	2329.0	2334.0	2329.0	2314.2	2290.2	2256.8
-11.25°	2081.0	2130.7	2173.8	2207.7	2231.5	2246.1	2251.0	2246.1	2231.5	2207.7	2173.8
-12.5°	2002.1	2045.6	2084.5	2115.8	2139.0	2153.2	2158.0	2153.2	2139.0	2115.8	2084.5
-13.75°	1929.5	1964.0	1997.1	2024.3	2044.2	2057.0	2061.3	2057.0	2044.2	2024.3	1997.1
-15°	1857.7	1891.3	1919.0	1940.6	1956.3	1965.8	1969.0	1965.8	1956.3	1940.6	1919.0
-16.25°	1783.6	1814.9	1841.2	1862.1	1877.2	1886.4	1889.5	1886.4	1877.2	1862.1	1841.2
-17.5°	1708.5	1737.7	1762.2	1781.6	1795.6	1804.1	1807.0	1804.1	1795.6	1781.6	1762.2
-18.75°	1634.5	1662.1	1683.9	1701.2	1713.9	1721.9	1724.5	1721.9	1713.9	1701.2	1683.9
-20°	1536.8	1578.2	1601.9	1620.6	1634.1	1642.3	1645.0	1642.3	1634.1	1620.6	1601.9
-21.25°	1386.4	1440.8	1479.6	1507.2	1527.2	1539.2	1543.3	1539.2	1527.2	1507.2	1479.6



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	1202.8	1259.0	1305.7	1339.4	1363.6	1378.1	1383.0	1378.1	1363.6	1339.4	1305.7
-23.75°	1004.1	1059.9	1106.1	1142.4	1167.5	1182.5	1187.5	1182.5	1167.5	1142.4	1106.1
-25°	812.6	861.7	902.8	935.1	958.3	972.3	977.0	972.3	958.3	935.1	902.8
-26.25°	650.5	684.6	719.2	746.3	765.8	777.6	781.5	777.6	765.8	746.3	719.2
-27.5°	540.5	557.9	576.1	595.6	609.7	618.2	621.0	618.2	609.7	595.6	576.1
-28.75°	480.4	490.8	499.3	506.7	514.3	519.0	520.5	519.0	514.3	506.7	499.3
-30°	437.8	446.4	453.4	458.9	462.8	465.2	466.0	465.2	462.8	458.9	453.4
-31.25°	397.2	405.3	412.0	417.2	421.0	423.2	424.0	423.2	421.0	417.2	412.0
-32.5°	359.8	366.5	372.1	376.4	379.5	381.4	382.0	381.4	379.5	376.4	372.1
-33.75°	324.3	330.7	336.0	340.2	343.1	344.9	345.5	344.9	343.1	340.2	336.0
-35°	294.0	298.6	302.3	305.2	307.3	308.6	309.0	308.6	307.3	305.2	302.3
-36.25°	267.7	272.0	275.6	278.4	280.4	281.6	282.0	281.6	280.4	278.4	275.6
-37.5°	241.3	245.5	248.9	251.6	253.5	254.6	255.0	254.6	253.5	251.6	248.9
-38.75°	214.9	218.9	222.1	224.7	226.5	227.6	228.0	227.6	226.5	224.7	222.1
-40°	191.2	194.2	196.6	198.5	199.9	200.7	201.0	200.7	199.9	198.5	196.6
-41.25°	170.7	173.5	175.8	177.7	179.0	179.7	180.0	179.7	179.0	177.7	175.8
-42.5°	150.5	153.1	155.2	156.9	158.0	158.8	159.0	158.8	158.0	156.9	155.2
-43.75°	130.8	133.3	135.4	137.0	138.1	138.8	139.0	138.8	138.1	137.0	135.4
-45°	114.5	115.9	117.0	117.9	118.5	118.9	119.0	118.9	118.5	117.9	117.0
-46.25°	103.2	104.5	105.6	106.4	107.0	107.4	107.5	107.4	107.0	106.4	105.6
-47.5°	94.6	95.0	95.4	95.6	95.8	96.0	96.0	96.0	95.8	95.6	95.4
-48.75°	90.6	91.0	91.4	91.7	91.8	92.0	92.0	92.0	91.8	91.7	91.4
-50°	87.3	87.5	87.7	87.8	87.9	88.0	88.0	88.0	87.9	87.8	87.7
-51.25°	85.4	85.6	85.7	85.8	85.9	86.0	86.0	86.0	85.9	85.8	85.7
-52.5°	83.4	83.6	83.7	83.8	83.9	84.0	84.0	84.0	83.9	83.8	83.7
-53.75°	81.4	81.6	81.7	81.9	81.9	82.0	82.0	82.0	81.9	81.9	81.7
-55°	79.3	79.5	79.7	79.8	79.9	80.0	80.0	80.0	79.9	79.8	79.7
-56.25°	76.8	77.0	77.2	77.3	77.4	77.5	77.5	77.5	77.4	77.3	77.2
-57.5°	74.5	74.7	74.8	74.9	74.9	75.0	75.0	75.0	74.9	74.9	74.8
-58.75°	72.5	72.7	72.8	72.9	72.9	73.0	73.0	73.0	72.9	72.9	72.8
-60°	70.3	70.5	70.7	70.8	70.9	71.0	71.0	71.0	70.9	70.8	70.7
-61.25°	67.4	67.6	67.7	67.8	67.9	68.0	68.0	68.0	67.9	67.8	67.7
-62.5°	64.3	64.5	64.7	64.8	64.9	65.0	65.0	65.0	64.9	64.8	64.7
-63.75°	60.8	61.0	61.2	61.3	61.4	61.5	61.5	61.5	61.4	61.3	61.2
-65°	57.2	57.4	57.6	57.8	57.9	58.0	58.0	58.0	57.9	57.8	57.6
-66.25°	52.7	53.0	53.2	53.3	53.4	53.5	53.5	53.5	53.4	53.3	53.2
-67.5°	48.4	48.6	48.7	48.9	48.9	49.0	49.0	49.0	48.9	48.9	48.7
-68.75°	45.0	45.1	45.3	45.4	45.4	45.5	45.5	45.5	45.4	45.4	45.3
-70°	41.4	41.6	41.7	41.9	41.9	42.0	42.0	42.0	41.9	41.9	41.7
-71.25°	37.5	37.6	37.8	37.9	37.9	38.0	38.0	38.0	37.9	37.9	37.8
-72.5°	33.8	33.8	33.9	33.9	34.0	34.0	34.0	34.0	34.0	33.9	33.9
-73.75°	31.8	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	31.9	31.9
-75°	29.8	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	29.9	29.9
-76.25°	27.8	27.9	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.9
-77.5°	25.8	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	25.9



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	23.8	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.9
-80°	21.8	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.9
-81.25°	19.3	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.4
-82.5°	16.8	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9
-83.75°	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
-85°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-86.25°	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-88.75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
-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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7
86.25°	7.9	7.9	7.9	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.5
85°	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.5	10.4	10.4
83.75°	13.9	13.9	13.8	13.8	13.7	13.6	13.6	13.5	13.4	13.3	13.2
82.5°	16.9	16.8	16.8	16.7	16.7	16.6	16.5	16.4	16.3	16.2	16.0
81.25°	19.4	19.3	19.3	19.2	19.2	19.1	19.0	18.9	18.8	18.7	18.6
80°	21.9	21.8	21.8	21.7	21.6	21.5	21.4	21.3	21.2	21.1	20.9
78.75°	23.9	23.8	23.8	23.7	23.6	23.6	23.5	23.4	23.3	23.2	23.0
77.5°	25.9	25.8	25.8	25.7	25.6	25.5	25.4	25.3	25.2	25.1	24.9
76.25°	27.9	27.8	27.7	27.7	27.6	27.5	27.4	27.2	27.1	27.0	26.8
75°	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.0	28.9	28.7
73.75°	31.8	31.8	31.7	31.6	31.5	31.4	31.2	31.1	30.9	30.8	30.6
72.5°	33.8	33.8	33.7	33.6	33.4	33.3	33.2	33.0	32.8	32.7	32.5
71.25°	37.6	37.5	37.3	37.1	36.8	36.5	36.2	35.9	35.5	35.1	34.7
70°	41.6	41.4	41.2	41.0	40.7	40.4	40.1	39.7	39.3	38.9	38.5
68.75°	45.1	45.0	44.8	44.6	44.3	44.0	43.7	43.4	43.0	42.6	42.2
67.5°	48.6	48.4	48.2	48.0	47.7	47.4	47.1	46.7	46.4	45.9	45.5
66.25°	53.0	52.7	52.4	52.1	51.8	51.4	50.9	50.4	49.9	49.3	48.8
65°	57.4	57.2	56.9	56.5	56.2	55.7	55.3	54.7	54.2	53.6	52.9
63.75°	61.0	60.8	60.6	60.3	60.0	59.6	59.2	58.8	58.4	57.8	57.1
62.5°	64.5	64.3	64.0	63.7	63.4	63.0	62.6	62.2	61.7	61.2	60.6
61.25°	67.6	67.4	67.1	66.9	66.6	66.2	65.8	65.4	65.0	64.5	63.9
60°	70.5	70.3	70.1	69.8	69.5	69.1	68.7	68.3	67.8	67.4	66.8
58.75°	72.7	72.5	72.4	72.2	71.9	71.7	71.4	71.1	70.7	70.2	69.6
57.5°	74.7	74.5	74.3	74.1	73.9	73.6	73.3	73.0	72.7	72.3	71.9
56.25°	77.0	76.8	76.6	76.3	76.0	75.7	75.3	74.9	74.6	74.2	73.8
55°	79.5	79.3	79.1	78.8	78.5	78.1	77.7	77.3	76.8	76.3	75.8
53.75°	81.6	81.4	81.2	81.0	80.7	80.4	80.1	79.7	79.2	78.7	78.1
52.5°	83.6	83.4	83.2	82.9	82.7	82.3	82.0	81.6	81.2	80.8	80.3
51.25°	85.6	85.4	85.1	84.9	84.6	84.3	83.9	83.5	83.1	82.6	82.2
50°	87.5	87.3	87.1	86.8	86.5	86.2	85.8	85.4	85.0	84.5	84.0
48.75°	91.0	90.6	90.1	89.6	88.9	88.2	87.7	87.3	86.8	86.3	85.8
47.5°	95.0	94.6	94.1	93.5	92.8	92.1	91.2	90.4	89.4	88.4	87.6
46.25°	104.5	103.2	101.7	99.9	97.9	95.9	95.0	94.1	93.1	92.0	90.9
45°	115.9	114.5	112.9	111.1	109.0	106.6	104.1	101.3	98.3	95.7	94.5
43.75°	133.3	130.8	127.9	124.6	120.8	117.6	115.0	112.1	109.0	105.6	102.1
42.5°	153.1	150.5	147.4	143.9	140.0	135.6	130.8	125.6	119.9	116.1	112.4
41.25°	173.5	170.7	167.3	163.5	159.2	154.6	149.6	144.1	138.3	132.0	125.3
40°	194.2	191.2	187.8	183.8	179.2	174.2	168.8	162.8	156.5	150.0	143.0
38.75°	218.9	214.9	210.2	204.8	199.3	194.1	188.4	182.1	175.5	168.3	160.7
37.5°	245.5	241.3	236.4	230.8	224.5	217.5	209.8	201.5	194.5	187.0	179.1
36.25°	272.0	267.7	262.6	256.7	250.1	242.8	234.8	226.2	216.9	206.9	197.4
35°	298.6	294.0	288.7	282.5	275.7	268.1	259.7	250.7	241.0	230.7	219.7



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	330.7	324.3	316.7	308.3	301.1	293.2	284.5	275.1	265.0	254.3	242.9
32.5°	366.5	359.8	351.9	342.8	332.7	321.5	309.2	299.3	288.8	277.6	265.8
31.25°	405.3	397.2	387.6	377.4	366.8	355.1	342.3	328.5	313.7	300.8	288.5
30°	446.4	437.8	427.8	416.4	403.7	389.6	375.2	360.8	345.4	329.0	311.7
28.75°	490.8	480.4	468.2	456.0	442.6	427.8	411.8	394.5	376.8	359.7	341.7
27.5°	557.9	540.5	520.2	500.0	483.7	465.8	449.1	431.0	411.7	391.2	371.3
26.25°	684.6	650.5	613.3	571.0	542.1	512.3	489.2	467.3	447.0	425.7	403.3
25°	861.7	812.6	761.1	702.6	646.3	591.8	547.3	510.9	484.3	459.6	436.3
23.75°	1059.9	1004.1	941.4	872.0	797.2	722.0	648.9	582.5	535.5	497.3	469.2
22.5°	1259.0	1202.8	1137.0	1059.2	973.1	884.1	791.3	700.0	620.5	553.2	506.7
21.25°	1440.8	1386.4	1323.3	1246.4	1159.7	1060.9	955.2	847.6	743.1	646.0	564.0
20°	1578.2	1536.8	1484.8	1417.2	1333.6	1236.3	1128.3	1008.6	887.8	769.2	658.9
18.75°	1662.1	1634.5	1599.4	1553.0	1484.4	1396.4	1292.1	1172.6	1041.8	908.0	777.9
17.5°	1737.7	1708.5	1676.2	1639.3	1593.3	1527.0	1439.0	1324.6	1194.5	1053.0	908.0
16.25°	1814.9	1783.6	1747.6	1707.4	1665.3	1615.9	1552.9	1459.7	1334.9	1194.5	1041.8
15°	1891.3	1857.7	1819.2	1776.4	1729.6	1680.7	1627.4	1561.6	1459.7	1324.6	1172.6
13.75°	1964.0	1929.5	1889.3	1843.6	1794.0	1740.9	1685.9	1627.4	1552.9	1439.0	1292.1
12.5°	2045.6	2002.1	1955.3	1908.7	1856.0	1799.9	1740.9	1680.7	1615.9	1527.0	1396.4
11.25°	2130.7	2081.0	2026.1	1968.4	1914.9	1856.0	1794.0	1729.6	1665.3	1593.3	1484.4
10°	2213.2	2159.8	2099.1	2034.3	1968.4	1908.7	1843.6	1776.4	1707.4	1639.3	1553.0
8.75°	2286.0	2232.6	2169.7	2099.1	2026.1	1955.3	1889.3	1819.2	1747.6	1676.2	1599.4
7.5°	2347.9	2295.6	2232.6	2159.8	2081.0	2002.1	1929.5	1857.7	1783.6	1708.5	1634.5
6.25°	2398.3	2347.9	2286.0	2213.2	2130.7	2045.6	1964.0	1891.3	1814.9	1737.7	1662.1
5°	2439.1	2389.7	2329.6	2256.8	2173.8	2084.5	1997.1	1919.0	1841.2	1762.2	1683.9
3.75°	2466.2	2420.4	2361.2	2290.2	2207.7	2115.8	2024.3	1940.6	1862.1	1781.6	1701.2
2.5°	2484.0	2442.7	2384.5	2314.2	2231.5	2139.0	2044.2	1956.3	1877.2	1795.6	1713.9
1.25°	2493.3	2454.1	2397.9	2329.0	2246.1	2153.2	2057.0	1965.8	1886.4	1804.1	1721.9
0°	2496.5	2458.0	2402.3	2334.0	2251.0	2158.0	2061.3	1969.0	1889.5	1807.0	1724.5
-1.25°	2493.3	2454.1	2397.9	2329.0	2246.1	2153.2	2057.0	1965.8	1886.4	1804.1	1721.9
-2.5°	2484.0	2442.7	2384.5	2314.2	2231.5	2139.0	2044.2	1956.3	1877.2	1795.6	1713.9
-3.75°	2466.2	2420.4	2361.2	2290.2	2207.7	2115.8	2024.3	1940.6	1862.1	1781.6	1701.2
-5°	2439.1	2389.7	2329.6	2256.8	2173.8	2084.5	1997.1	1919.0	1841.2	1762.2	1683.9
-6.25°	2398.3	2347.9	2286.0	2213.2	2130.7	2045.6	1964.0	1891.3	1814.9	1737.7	1662.1
-7.5°	2347.9	2295.6	2232.6	2159.8	2081.0	2002.1	1929.5	1857.7	1783.6	1708.5	1634.5
-8.75°	2286.0	2232.6	2169.7	2099.1	2026.1	1955.3	1889.3	1819.2	1747.6	1676.2	1599.4
-10°	2213.2	2159.8	2099.1	2034.3	1968.4	1908.7	1843.6	1776.4	1707.4	1639.3	1553.0
-11.25°	2130.7	2081.0	2026.1	1968.4	1914.9	1856.0	1794.0	1729.6	1665.3	1593.3	1484.4
-12.5°	2045.6	2002.1	1955.3	1908.7	1856.0	1799.9	1740.9	1680.7	1615.9	1527.0	1396.4
-13.75°	1964.0	1929.5	1889.3	1843.6	1794.0	1740.9	1685.9	1627.4	1552.9	1439.0	1292.1
-15°	1891.3	1857.7	1819.2	1776.4	1729.6	1680.7	1627.4	1561.6	1459.7	1324.6	1172.6
-16.25°	1814.9	1783.6	1747.6	1707.4	1665.3	1615.9	1552.9	1459.7	1334.9	1194.5	1041.8
-17.5°	1737.7	1708.5	1676.2	1639.3	1593.3	1527.0	1439.0	1324.6	1194.5	1053.0	908.0
-18.75°	1662.1	1634.5	1599.4	1553.0	1484.4	1396.4	1292.1	1172.6	1041.8	908.0	777.9
-20°	1578.2	1536.8	1484.8	1417.2	1333.6	1236.3	1128.3	1008.6	887.8	769.2	658.9
-21.25°	1440.8	1386.4	1323.3	1246.4	1159.7	1060.9	955.2	847.6	743.1	646.0	564.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	1259.0	1202.8	1137.0	1059.2	973.1	884.1	791.3	700.0	620.5	553.2	506.7
-23.75°	1059.9	1004.1	941.4	872.0	797.2	722.0	648.9	582.5	535.5	497.3	469.2
-25°	861.7	812.6	761.1	702.6	646.3	591.8	547.3	510.9	484.3	459.6	436.3
-26.25°	684.6	650.5	613.3	571.0	542.1	512.3	489.2	467.3	447.0	425.7	403.3
-27.5°	557.9	540.5	520.2	500.0	483.7	465.8	449.1	431.0	411.7	391.2	371.3
-28.75°	490.8	480.4	468.2	456.0	442.6	427.8	411.8	394.5	376.8	359.7	341.7
-30°	446.4	437.8	427.8	416.4	403.7	389.6	375.2	360.8	345.4	329.0	311.7
-31.25°	405.3	397.2	387.6	377.4	366.8	355.1	342.3	328.5	313.7	300.8	288.5
-32.5°	366.5	359.8	351.9	342.8	332.7	321.5	309.2	299.3	288.8	277.6	265.8
-33.75°	330.7	324.3	316.7	308.3	301.1	293.2	284.5	275.1	265.0	254.3	242.9
-35°	298.6	294.0	288.7	282.5	275.7	268.1	259.7	250.7	241.0	230.7	219.7
-36.25°	272.0	267.7	262.6	256.7	250.1	242.8	234.8	226.2	216.9	206.9	197.4
-37.5°	245.5	241.3	236.4	230.8	224.5	217.5	209.8	201.5	194.5	187.0	179.1
-38.75°	218.9	214.9	210.2	204.8	199.3	194.1	188.4	182.1	175.5	168.3	160.7
-40°	194.2	191.2	187.8	183.8	179.2	174.2	168.8	162.8	156.5	150.0	143.0
-41.25°	173.5	170.7	167.3	163.5	159.2	154.6	149.6	144.1	138.3	132.0	125.3
-42.5°	153.1	150.5	147.4	143.9	140.0	135.6	130.8	125.6	119.9	116.1	112.4
-43.75°	133.3	130.8	127.9	124.6	120.8	117.6	115.0	112.1	109.0	105.6	102.1
-45°	115.9	114.5	112.9	111.1	109.0	106.6	104.1	101.3	98.3	95.7	94.5
-46.25°	104.5	103.2	101.7	99.9	97.9	95.9	95.0	94.1	93.1	92.0	90.9
-47.5°	95.0	94.6	94.1	93.5	92.8	92.1	91.2	90.4	89.4	88.4	87.6
-48.75°	91.0	90.6	90.1	89.6	88.9	88.2	87.7	87.3	86.8	86.3	85.8
-50°	87.5	87.3	87.1	86.8	86.5	86.2	85.8	85.4	85.0	84.5	84.0
-51.25°	85.6	85.4	85.1	84.9	84.6	84.3	83.9	83.5	83.1	82.6	82.2
-52.5°	83.6	83.4	83.2	82.9	82.7	82.3	82.0	81.6	81.2	80.8	80.3
-53.75°	81.6	81.4	81.2	81.0	80.7	80.4	80.1	79.7	79.2	78.7	78.1
-55°	79.5	79.3	79.1	78.8	78.5	78.1	77.7	77.3	76.8	76.3	75.8
-56.25°	77.0	76.8	76.6	76.3	76.0	75.7	75.3	74.9	74.6	74.2	73.8
-57.5°	74.7	74.5	74.3	74.1	73.9	73.6	73.3	73.0	72.7	72.3	71.9
-58.75°	72.7	72.5	72.4	72.2	71.9	71.7	71.4	71.1	70.7	70.2	69.6
-60°	70.5	70.3	70.1	69.8	69.5	69.1	68.7	68.3	67.8	67.4	66.8
-61.25°	67.6	67.4	67.1	66.9	66.6	66.2	65.8	65.4	65.0	64.5	63.9
-62.5°	64.5	64.3	64.0	63.7	63.4	63.0	62.6	62.2	61.7	61.2	60.6
-63.75°	61.0	60.8	60.6	60.3	60.0	59.6	59.2	58.8	58.4	57.8	57.1
-65°	57.4	57.2	56.9	56.5	56.2	55.7	55.3	54.7	54.2	53.6	52.9
-66.25°	53.0	52.7	52.4	52.1	51.8	51.4	50.9	50.4	49.9	49.3	48.8
-67.5°	48.6	48.4	48.2	48.0	47.7	47.4	47.1	46.7	46.4	45.9	45.5
-68.75°	45.1	45.0	44.8	44.6	44.3	44.0	43.7	43.4	43.0	42.6	42.2
-70°	41.6	41.4	41.2	41.0	40.7	40.4	40.1	39.7	39.3	38.9	38.5
-71.25°	37.6	37.5	37.3	37.1	36.8	36.5	36.2	35.9	35.5	35.1	34.7
-72.5°	33.8	33.8	33.7	33.6	33.4	33.3	33.2	33.0	32.8	32.7	32.5
-73.75°	31.8	31.8	31.7	31.6	31.5	31.4	31.2	31.1	30.9	30.8	30.6
-75°	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.0	28.9	28.7
-76.25°	27.9	27.8	27.7	27.7	27.6	27.5	27.4	27.2	27.1	27.0	26.8
-77.5°	25.9	25.8	25.8	25.7	25.6	25.5	25.4	25.3	25.2	25.1	24.9



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	23.9	23.8	23.8	23.7	23.6	23.6	23.5	23.4	23.3	23.2	23.0
-80°	21.9	21.8	21.8	21.7	21.6	21.5	21.4	21.3	21.2	21.1	20.9
-81.25°	19.4	19.3	19.3	19.2	19.2	19.1	19.0	18.9	18.8	18.7	18.6
-82.5°	16.9	16.8	16.8	16.7	16.7	16.6	16.5	16.4	16.3	16.2	16.0
-83.75°	13.9	13.9	13.8	13.8	13.7	13.6	13.6	13.5	13.4	13.3	13.2
-85°	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.5	10.4	10.4
-86.25°	7.9	7.9	7.9	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.5
-87.5°	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7
-88.75°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
-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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1
87.5°	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2
86.25°	7.5	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7	6.6
85°	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.3	9.1
83.75°	13.1	13.0	12.9	12.7	12.6	12.4	12.3	12.1	12.0	11.8	11.6
82.5°	15.9	15.8	15.6	15.5	15.3	15.1	15.0	14.8	14.6	14.4	14.2
81.25°	18.4	18.3	18.2	18.0	17.8	17.7	17.5	17.3	17.1	16.9	16.7
80°	20.8	20.6	20.5	20.3	20.1	19.9	19.7	19.5	19.3	19.1	18.8
78.75°	22.9	22.8	22.6	22.5	22.3	22.1	21.9	21.7	21.5	21.2	20.9
77.5°	24.8	24.6	24.5	24.3	24.1	23.9	23.7	23.5	23.3	23.1	22.8
76.25°	26.6	26.5	26.3	26.1	25.9	25.7	25.5	25.2	25.0	24.8	24.5
75°	28.5	28.3	28.1	27.9	27.7	27.5	27.2	27.0	26.7	26.5	26.2
73.75°	30.4	30.2	30.0	29.7	29.5	29.3	29.0	28.7	28.4	28.1	27.8
72.5°	32.3	32.0	31.8	31.6	31.3	31.0	30.8	30.5	30.2	29.8	29.5
71.25°	34.3	33.9	33.6	33.4	33.1	32.8	32.5	32.2	31.9	31.5	31.2
70°	38.0	37.5	36.9	36.4	35.8	35.2	34.5	33.9	33.6	33.2	32.8
68.75°	41.7	41.2	40.6	40.0	39.4	38.7	38.0	37.3	36.5	35.8	35.0
67.5°	45.0	44.5	44.0	43.4	42.8	42.2	41.5	40.7	39.9	39.1	38.3
66.25°	48.3	47.7	47.2	46.6	45.9	45.3	44.6	43.9	43.2	42.4	41.5
65°	52.2	51.5	50.7	49.9	49.1	48.4	47.6	46.9	46.1	45.3	44.5
63.75°	56.4	55.6	54.8	54.0	53.1	52.1	51.2	50.1	49.1	48.2	47.3
62.5°	60.0	59.4	58.7	58.0	57.1	56.1	55.0	54.0	52.9	51.7	50.5
61.25°	63.2	62.6	61.9	61.1	60.4	59.6	58.7	57.8	56.6	55.4	54.2
60°	66.3	65.7	65.0	64.3	63.4	62.6	61.7	60.8	59.8	58.9	57.8
58.75°	69.0	68.4	67.7	67.0	66.3	65.5	64.7	63.7	62.8	61.7	60.6
57.5°	71.5	71.1	70.4	69.7	68.9	68.1	67.3	66.4	65.6	64.6	63.4
56.25°	73.4	72.9	72.4	71.9	71.4	70.7	69.9	69.0	68.0	67.1	66.1
55°	75.2	74.7	74.2	73.7	73.1	72.5	71.9	71.3	70.5	69.5	68.4
53.75°	77.5	76.9	76.2	75.5	74.8	74.2	73.6	73.0	72.3	71.6	70.8
52.5°	79.8	79.1	78.4	77.7	77.0	76.2	75.4	74.6	73.9	73.2	72.4
51.25°	81.6	81.1	80.5	79.9	79.1	78.3	77.4	76.6	75.6	74.8	74.0
50°	83.5	82.9	82.3	81.7	81.0	80.3	79.5	78.6	77.7	76.7	75.7
48.75°	85.3	84.7	84.0	83.4	82.7	82.0	81.3	80.5	79.6	78.6	77.6
47.5°	87.1	86.4	85.8	85.1	84.4	83.7	82.9	82.1	81.3	80.4	79.5
46.25°	89.7	88.4	87.5	86.8	86.1	85.3	84.5	83.7	82.9	82.0	81.1
45°	93.3	91.9	90.5	89.1	87.8	87.0	86.2	85.3	84.4	83.5	82.6
43.75°	98.3	95.4	94.0	92.4	90.9	89.2	87.8	86.9	86.0	85.0	84.1
42.5°	108.5	104.3	100.0	95.8	94.2	92.5	90.7	88.9	87.5	86.5	85.5
41.25°	118.5	114.3	109.8	105.1	100.2	95.7	93.8	92.0	90.0	88.0	87.0
40°	135.7	127.9	119.8	114.6	109.5	104.2	98.8	95.0	93.0	90.9	88.8
38.75°	153.0	145.0	136.6	127.8	118.8	113.3	107.7	101.9	96.0	93.8	91.6
37.5°	170.8	162.0	153.2	144.1	134.6	124.8	116.5	110.5	104.3	97.9	94.4
36.25°	188.8	179.7	170.2	160.2	150.4	140.2	129.7	118.9	112.5	106.0	99.3
35°	208.2	197.1	187.3	177.0	166.3	155.5	144.6	133.5	122.0	114.0	107.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	230.9	218.3	205.1	193.6	182.5	171.1	159.3	147.8	136.0	123.8	114.7
32.5°	253.3	240.3	226.6	212.5	198.5	186.7	174.6	162.1	149.7	137.2	124.5
31.25°	275.6	262.0	247.9	233.2	218.0	202.4	189.5	176.6	163.4	150.4	137.2
30°	297.5	283.5	268.8	253.6	237.9	221.8	205.1	190.9	177.3	163.4	149.7
28.75°	322.8	304.6	289.5	273.7	257.5	240.8	223.6	206.0	190.9	176.6	162.1
27.5°	351.7	331.2	310.0	293.5	276.7	259.4	241.7	223.6	205.1	189.5	174.6
26.25°	380.1	358.9	336.9	314.2	295.5	277.7	259.4	240.8	221.8	202.4	186.7
25°	412.0	386.6	363.3	339.7	315.6	295.5	276.7	257.5	237.9	218.0	198.5
23.75°	443.5	417.2	390.1	364.7	339.7	314.2	293.5	273.7	253.6	233.2	212.5
22.5°	475.6	447.1	419.0	390.1	363.3	336.9	310.0	289.5	268.8	247.9	226.6
21.25°	513.7	477.7	447.1	417.2	386.6	358.9	331.2	304.6	283.5	262.0	240.3
20°	568.0	513.7	475.6	443.5	412.0	380.1	351.7	322.8	297.5	275.6	253.3
18.75°	658.9	564.0	506.7	469.2	436.3	403.3	371.3	341.7	311.7	288.5	265.8
17.5°	769.2	646.0	553.2	497.3	459.6	425.7	391.2	359.7	329.0	300.8	277.6
16.25°	887.8	743.1	620.5	535.5	484.3	447.0	411.7	376.8	345.4	313.7	288.8
15°	1008.6	847.6	700.0	582.5	510.9	467.3	431.0	394.5	360.8	328.5	299.3
13.75°	1128.3	955.2	791.3	648.9	547.3	489.2	449.1	411.8	375.2	342.3	309.2
12.5°	1236.3	1060.9	884.1	722.0	591.8	512.3	465.8	427.8	389.6	355.1	321.5
11.25°	1333.6	1159.7	973.1	797.2	646.3	542.1	483.7	442.6	403.7	366.8	332.7
10°	1417.2	1246.4	1059.2	872.0	702.6	571.0	500.0	456.0	416.4	377.4	342.8
8.75°	1484.8	1323.3	1137.0	941.4	761.1	613.3	520.2	468.2	427.8	387.6	351.9
7.5°	1536.8	1386.4	1202.8	1004.1	812.6	650.5	540.5	480.4	437.8	397.2	359.8
6.25°	1578.2	1440.8	1259.0	1059.9	861.7	684.6	557.9	490.8	446.4	405.3	366.5
5°	1601.9	1479.6	1305.7	1106.1	902.8	719.2	576.1	499.3	453.4	412.0	372.1
3.75°	1620.6	1507.2	1339.4	1142.4	935.1	746.3	595.6	506.7	458.9	417.2	376.4
2.5°	1634.1	1527.2	1363.6	1167.5	958.3	765.8	609.7	514.3	462.8	421.0	379.5
1.25°	1642.3	1539.2	1378.1	1182.5	972.3	777.6	618.2	519.0	465.2	423.2	381.4
0°	1645.0	1543.3	1383.0	1187.5	977.0	781.5	621.0	520.5	466.0	424.0	382.0
-1.25°	1642.3	1539.2	1378.1	1182.5	972.3	777.6	618.2	519.0	465.2	423.2	381.4
-2.5°	1634.1	1527.2	1363.6	1167.5	958.3	765.8	609.7	514.3	462.8	421.0	379.5
-3.75°	1620.6	1507.2	1339.4	1142.4	935.1	746.3	595.6	506.7	458.9	417.2	376.4
-5°	1601.9	1479.6	1305.7	1106.1	902.8	719.2	576.1	499.3	453.4	412.0	372.1
-6.25°	1578.2	1440.8	1259.0	1059.9	861.7	684.6	557.9	490.8	446.4	405.3	366.5
-7.5°	1536.8	1386.4	1202.8	1004.1	812.6	650.5	540.5	480.4	437.8	397.2	359.8
-8.75°	1484.8	1323.3	1137.0	941.4	761.1	613.3	520.2	468.2	427.8	387.6	351.9
-10°	1417.2	1246.4	1059.2	872.0	702.6	571.0	500.0	456.0	416.4	377.4	342.8
-11.25°	1333.6	1159.7	973.1	797.2	646.3	542.1	483.7	442.6	403.7	366.8	332.7
-12.5°	1236.3	1060.9	884.1	722.0	591.8	512.3	465.8	427.8	389.6	355.1	321.5
-13.75°	1128.3	955.2	791.3	648.9	547.3	489.2	449.1	411.8	375.2	342.3	309.2
-15°	1008.6	847.6	700.0	582.5	510.9	467.3	431.0	394.5	360.8	328.5	299.3
-16.25°	887.8	743.1	620.5	535.5	484.3	447.0	411.7	376.8	345.4	313.7	288.8
-17.5°	769.2	646.0	553.2	497.3	459.6	425.7	391.2	359.7	329.0	300.8	277.6
-18.75°	658.9	564.0	506.7	469.2	436.3	403.3	371.3	341.7	311.7	288.5	265.8
-20°	568.0	513.7	475.6	443.5	412.0	380.1	351.7	322.8	297.5	275.6	253.3
-21.25°	513.7	477.7	447.1	417.2	386.6	358.9	331.2	304.6	283.5	262.0	240.3



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	475.6	447.1	419.0	390.1	363.3	336.9	310.0	289.5	268.8	247.9	226.6
-23.75°	443.5	417.2	390.1	364.7	339.7	314.2	293.5	273.7	253.6	233.2	212.5
-25°	412.0	386.6	363.3	339.7	315.6	295.5	276.7	257.5	237.9	218.0	198.5
-26.25°	380.1	358.9	336.9	314.2	295.5	277.7	259.4	240.8	221.8	202.4	186.7
-27.5°	351.7	331.2	310.0	293.5	276.7	259.4	241.7	223.6	205.1	189.5	174.6
-28.75°	322.8	304.6	289.5	273.7	257.5	240.8	223.6	206.0	190.9	176.6	162.1
-30°	297.5	283.5	268.8	253.6	237.9	221.8	205.1	190.9	177.3	163.4	149.7
-31.25°	275.6	262.0	247.9	233.2	218.0	202.4	189.5	176.6	163.4	150.4	137.2
-32.5°	253.3	240.3	226.6	212.5	198.5	186.7	174.6	162.1	149.7	137.2	124.5
-33.75°	230.9	218.3	205.1	193.6	182.5	171.1	159.3	147.8	136.0	123.8	114.7
-35°	208.2	197.1	187.3	177.0	166.3	155.5	144.6	133.5	122.0	114.0	107.0
-36.25°	188.8	179.7	170.2	160.2	150.4	140.2	129.7	118.9	112.5	106.0	99.3
-37.5°	170.8	162.0	153.2	144.1	134.6	124.8	116.5	110.5	104.3	97.9	94.4
-38.75°	153.0	145.0	136.6	127.8	118.8	113.3	107.7	101.9	96.0	93.8	91.6
-40°	135.7	127.9	119.8	114.6	109.5	104.2	98.8	95.0	93.0	90.9	88.8
-41.25°	118.5	114.3	109.8	105.1	100.2	95.7	93.8	92.0	90.0	88.0	87.0
-42.5°	108.5	104.3	100.0	95.8	94.2	92.5	90.7	88.9	87.5	86.5	85.5
-43.75°	98.3	95.4	94.0	92.4	90.9	89.2	87.8	86.9	86.0	85.0	84.1
-45°	93.3	91.9	90.5	89.1	87.8	87.0	86.2	85.3	84.4	83.5	82.6
-46.25°	89.7	88.4	87.5	86.8	86.1	85.3	84.5	83.7	82.9	82.0	81.1
-47.5°	87.1	86.4	85.8	85.1	84.4	83.7	82.9	82.1	81.3	80.4	79.5
-48.75°	85.3	84.7	84.0	83.4	82.7	82.0	81.3	80.5	79.6	78.6	77.6
-50°	83.5	82.9	82.3	81.7	81.0	80.3	79.5	78.6	77.7	76.7	75.7
-51.25°	81.6	81.1	80.5	79.9	79.1	78.3	77.4	76.6	75.6	74.8	74.0
-52.5°	79.8	79.1	78.4	77.7	77.0	76.2	75.4	74.6	73.9	73.2	72.4
-53.75°	77.5	76.9	76.2	75.5	74.8	74.2	73.6	73.0	72.3	71.6	70.8
-55°	75.2	74.7	74.2	73.7	73.1	72.5	71.9	71.3	70.5	69.5	68.4
-56.25°	73.4	72.9	72.4	71.9	71.4	70.7	69.9	69.0	68.0	67.1	66.1
-57.5°	71.5	71.1	70.4	69.7	68.9	68.1	67.3	66.4	65.6	64.6	63.4
-58.75°	69.0	68.4	67.7	67.0	66.3	65.5	64.7	63.7	62.8	61.7	60.6
-60°	66.3	65.7	65.0	64.3	63.4	62.6	61.7	60.8	59.8	58.9	57.8
-61.25°	63.2	62.6	61.9	61.1	60.4	59.6	58.7	57.8	56.6	55.4	54.2
-62.5°	60.0	59.4	58.7	58.0	57.1	56.1	55.0	54.0	52.9	51.7	50.5
-63.75°	56.4	55.6	54.8	54.0	53.1	52.1	51.2	50.1	49.1	48.2	47.3
-65°	52.2	51.5	50.7	49.9	49.1	48.4	47.6	46.9	46.1	45.3	44.5
-66.25°	48.3	47.7	47.2	46.6	45.9	45.3	44.6	43.9	43.2	42.4	41.5
-67.5°	45.0	44.5	44.0	43.4	42.8	42.2	41.5	40.7	39.9	39.1	38.3
-68.75°	41.7	41.2	40.6	40.0	39.4	38.7	38.0	37.3	36.5	35.8	35.0
-70°	38.0	37.5	36.9	36.4	35.8	35.2	34.5	33.9	33.6	33.2	32.8
-71.25°	34.3	33.9	33.6	33.4	33.1	32.8	32.5	32.2	31.9	31.5	31.2
-72.5°	32.3	32.0	31.8	31.6	31.3	31.0	30.8	30.5	30.2	29.8	29.5
-73.75°	30.4	30.2	30.0	29.7	29.5	29.3	29.0	28.7	28.4	28.1	27.8
-75°	28.5	28.3	28.1	27.9	27.7	27.5	27.2	27.0	26.7	26.5	26.2
-76.25°	26.6	26.5	26.3	26.1	25.9	25.7	25.5	25.2	25.0	24.8	24.5
-77.5°	24.8	24.6	24.5	24.3	24.1	23.9	23.7	23.5	23.3	23.1	22.8



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	22.9	22.8	22.6	22.5	22.3	22.1	21.9	21.7	21.5	21.2	20.9
-80°	20.8	20.6	20.5	20.3	20.1	19.9	19.7	19.5	19.3	19.1	18.8
-81.25°	18.4	18.3	18.2	18.0	17.8	17.7	17.5	17.3	17.1	16.9	16.7
-82.5°	15.9	15.8	15.6	15.5	15.3	15.1	15.0	14.8	14.6	14.4	14.2
-83.75°	13.1	13.0	12.9	12.7	12.6	12.4	12.3	12.1	12.0	11.8	11.6
-85°	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.3	9.1
-86.25°	7.5	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7	6.6
-87.5°	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2
-88.75°	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1
-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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7
87.5°	4.2	4.1	4.0	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.5
86.25°	6.5	6.4	6.3	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.2
85°	9.0	8.8	8.7	8.5	8.4	8.2	8.0	7.8	7.7	7.5	7.3
83.75°	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.0	9.8	9.6	9.4
82.5°	14.0	13.7	13.5	13.3	13.0	12.8	12.5	12.3	12.0	11.7	11.4
81.25°	16.4	16.2	15.9	15.6	15.4	15.1	14.8	14.5	14.1	13.8	13.5
80°	18.6	18.4	18.1	17.8	17.6	17.3	17.0	16.7	16.3	15.9	15.6
78.75°	20.7	20.4	20.1	19.8	19.5	19.2	18.9	18.5	18.2	17.9	17.5
77.5°	22.6	22.3	22.1	21.8	21.4	21.1	20.7	20.4	20.0	19.6	19.2
76.25°	24.2	24.0	23.7	23.4	23.1	22.8	22.5	22.1	21.8	21.4	20.9
75°	25.9	25.6	25.3	25.0	24.6	24.3	24.0	23.6	23.2	22.9	22.5
73.75°	27.5	27.2	26.9	26.5	26.2	25.8	25.4	25.1	24.7	24.3	23.9
72.5°	29.2	28.8	28.5	28.1	27.7	27.3	26.9	26.5	26.1	25.6	25.2
71.25°	30.8	30.4	30.0	29.6	29.2	28.8	28.4	27.9	27.5	27.0	26.5
70°	32.4	32.0	31.6	31.2	30.8	30.3	29.8	29.4	28.9	28.4	27.9
68.75°	34.1	33.6	33.2	32.7	32.3	31.8	31.3	30.8	30.3	29.8	29.2
67.5°	37.4	36.5	35.5	34.6	33.8	33.3	32.8	32.2	31.7	31.1	30.6
66.25°	40.6	39.6	38.6	37.6	36.6	35.5	34.4	33.6	33.1	32.5	31.9
65°	43.6	42.7	41.8	40.7	39.6	38.4	37.3	36.1	34.9	33.8	33.2
63.75°	46.4	45.5	44.5	43.5	42.5	41.4	40.2	38.9	37.6	36.3	35.0
62.5°	49.3	48.2	47.2	46.2	45.1	44.0	42.9	41.7	40.4	39.0	37.6
61.25°	52.9	51.5	50.2	48.8	47.7	46.5	45.4	44.2	42.9	41.6	40.2
60°	56.4	55.0	53.6	52.1	50.6	49.1	47.8	46.6	45.3	44.0	42.6
58.75°	59.5	58.4	57.0	55.5	53.9	52.3	50.6	49.0	47.6	46.3	44.9
57.5°	62.3	61.1	59.9	58.6	57.2	55.5	53.8	52.0	50.2	48.5	47.1
56.25°	65.0	63.8	62.5	61.2	59.9	58.5	56.9	55.0	53.2	51.3	49.3
55°	67.4	66.3	65.1	63.8	62.4	61.0	59.5	58.0	56.1	54.1	52.1
53.75°	69.7	68.5	67.4	66.1	64.9	63.4	61.9	60.4	58.8	57.0	54.9
52.5°	71.7	70.8	69.6	68.3	67.0	65.7	64.3	62.7	61.0	59.4	57.6
51.25°	73.2	72.4	71.5	70.5	69.1	67.8	66.4	65.0	63.3	61.6	59.8
50°	74.7	73.8	73.0	72.1	71.1	69.8	68.4	66.9	65.4	63.7	61.9
48.75°	76.5	75.4	74.4	73.5	72.5	71.5	70.3	68.8	67.3	65.7	64.0
47.5°	78.4	77.2	76.0	74.9	73.9	72.9	71.8	70.7	69.1	67.5	65.8
46.25°	80.2	79.0	77.8	76.5	75.3	74.2	73.1	72.0	70.9	69.3	67.6
45°	81.6	80.6	79.5	78.2	76.9	75.6	74.4	73.3	72.1	71.0	69.3
43.75°	83.1	82.0	81.0	79.9	78.6	77.2	75.8	74.5	73.3	72.1	70.9
42.5°	84.5	83.4	82.4	81.3	80.2	78.8	77.3	75.9	74.5	73.3	72.0
41.25°	85.9	84.8	83.7	82.6	81.4	80.3	78.8	77.3	75.8	74.4	73.1
40°	87.3	86.2	85.0	83.9	82.7	81.5	80.3	78.8	77.2	75.6	74.2
38.75°	89.4	87.5	86.4	85.2	83.9	82.7	81.4	80.2	78.6	76.9	75.3
37.5°	92.1	89.7	87.6	86.4	85.2	83.9	82.6	81.3	79.9	78.2	76.5
36.25°	94.7	92.3	89.8	87.6	86.4	85.0	83.7	82.4	81.0	79.5	77.8
35°	100.0	94.9	92.3	89.7	87.5	86.2	84.8	83.4	82.0	80.6	79.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	107.4	100.0	94.7	92.1	89.4	87.3	85.9	84.5	83.1	81.6	80.2
32.5°	114.7	107.0	99.3	94.4	91.6	88.8	87.0	85.5	84.1	82.6	81.1
31.25°	123.8	114.0	106.0	97.9	93.8	90.9	88.0	86.5	85.0	83.5	82.0
30°	136.0	122.0	112.5	104.3	96.0	93.0	90.0	87.5	86.0	84.4	82.9
28.75°	147.8	133.5	118.9	110.5	101.9	95.0	92.0	88.9	86.9	85.3	83.7
27.5°	159.3	144.6	129.7	116.5	107.7	98.8	93.8	90.7	87.8	86.2	84.5
26.25°	171.1	155.5	140.2	124.8	113.3	104.2	95.7	92.5	89.2	87.0	85.3
25°	182.5	166.3	150.4	134.6	118.8	109.5	100.2	94.2	90.9	87.8	86.1
23.75°	193.6	177.0	160.2	144.1	127.8	114.6	105.1	95.8	92.4	89.1	86.8
22.5°	205.1	187.3	170.2	153.2	136.6	119.8	109.8	100.0	94.0	90.5	87.5
21.25°	218.3	197.1	179.7	162.0	145.0	127.9	114.3	104.3	95.4	91.9	88.4
20°	230.9	208.2	188.8	170.8	153.0	135.7	118.5	108.5	98.3	93.3	89.7
18.75°	242.9	219.7	197.4	179.1	160.7	143.0	125.3	112.4	102.1	94.5	90.9
17.5°	254.3	230.7	206.9	187.0	168.3	150.0	132.0	116.1	105.6	95.7	92.0
16.25°	265.0	241.0	216.9	194.5	175.5	156.5	138.3	119.9	109.0	98.3	93.1
15°	275.1	250.7	226.2	201.5	182.1	162.8	144.1	125.6	112.1	101.3	94.1
13.75°	284.5	259.7	234.8	209.8	188.4	168.8	149.6	130.8	115.0	104.1	95.0
12.5°	293.2	268.1	242.8	217.5	194.1	174.2	154.6	135.6	117.6	106.6	95.9
11.25°	301.1	275.7	250.1	224.5	199.3	179.2	159.2	140.0	120.8	109.0	97.9
10°	308.3	282.5	256.7	230.8	204.8	183.8	163.5	143.9	124.6	111.1	99.9
8.75°	316.7	288.7	262.6	236.4	210.2	187.8	167.3	147.4	127.9	112.9	101.7
7.5°	324.3	294.0	267.7	241.3	214.9	191.2	170.7	150.5	130.8	114.5	103.2
6.25°	330.7	298.6	272.0	245.5	218.9	194.2	173.5	153.1	133.3	115.9	104.5
5°	336.0	302.3	275.6	248.9	222.1	196.6	175.8	155.2	135.4	117.0	105.6
3.75°	340.2	305.2	278.4	251.6	224.7	198.5	177.7	156.9	137.0	117.9	106.4
2.5°	343.1	307.3	280.4	253.5	226.5	199.9	179.0	158.0	138.1	118.5	107.0
1.25°	344.9	308.6	281.6	254.6	227.6	200.7	179.7	158.8	138.8	118.9	107.4
0°	345.5	309.0	282.0	255.0	228.0	201.0	180.0	159.0	139.0	119.0	107.5
-1.25°	344.9	308.6	281.6	254.6	227.6	200.7	179.7	158.8	138.8	118.9	107.4
-2.5°	343.1	307.3	280.4	253.5	226.5	199.9	179.0	158.0	138.1	118.5	107.0
-3.75°	340.2	305.2	278.4	251.6	224.7	198.5	177.7	156.9	137.0	117.9	106.4
-5°	336.0	302.3	275.6	248.9	222.1	196.6	175.8	155.2	135.4	117.0	105.6
-6.25°	330.7	298.6	272.0	245.5	218.9	194.2	173.5	153.1	133.3	115.9	104.5
-7.5°	324.3	294.0	267.7	241.3	214.9	191.2	170.7	150.5	130.8	114.5	103.2
-8.75°	316.7	288.7	262.6	236.4	210.2	187.8	167.3	147.4	127.9	112.9	101.7
-10°	308.3	282.5	256.7	230.8	204.8	183.8	163.5	143.9	124.6	111.1	99.9
-11.25°	301.1	275.7	250.1	224.5	199.3	179.2	159.2	140.0	120.8	109.0	97.9
-12.5°	293.2	268.1	242.8	217.5	194.1	174.2	154.6	135.6	117.6	106.6	95.9
-13.75°	284.5	259.7	234.8	209.8	188.4	168.8	149.6	130.8	115.0	104.1	95.0
-15°	275.1	250.7	226.2	201.5	182.1	162.8	144.1	125.6	112.1	101.3	94.1
-16.25°	265.0	241.0	216.9	194.5	175.5	156.5	138.3	119.9	109.0	98.3	93.1
-17.5°	254.3	230.7	206.9	187.0	168.3	150.0	132.0	116.1	105.6	95.7	92.0
-18.75°	242.9	219.7	197.4	179.1	160.7	143.0	125.3	112.4	102.1	94.5	90.9
-20°	230.9	208.2	188.8	170.8	153.0	135.7	118.5	108.5	98.3	93.3	89.7
-21.25°	218.3	197.1	179.7	162.0	145.0	127.9	114.3	104.3	95.4	91.9	88.4



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	205.1	187.3	170.2	153.2	136.6	119.8	109.8	100.0	94.0	90.5	87.5
-23.75°	193.6	177.0	160.2	144.1	127.8	114.6	105.1	95.8	92.4	89.1	86.8
-25°	182.5	166.3	150.4	134.6	118.8	109.5	100.2	94.2	90.9	87.8	86.1
-26.25°	171.1	155.5	140.2	124.8	113.3	104.2	95.7	92.5	89.2	87.0	85.3
-27.5°	159.3	144.6	129.7	116.5	107.7	98.8	93.8	90.7	87.8	86.2	84.5
-28.75°	147.8	133.5	118.9	110.5	101.9	95.0	92.0	88.9	86.9	85.3	83.7
-30°	136.0	122.0	112.5	104.3	96.0	93.0	90.0	87.5	86.0	84.4	82.9
-31.25°	123.8	114.0	106.0	97.9	93.8	90.9	88.0	86.5	85.0	83.5	82.0
-32.5°	114.7	107.0	99.3	94.4	91.6	88.8	87.0	85.5	84.1	82.6	81.1
-33.75°	107.4	100.0	94.7	92.1	89.4	87.3	85.9	84.5	83.1	81.6	80.2
-35°	100.0	94.9	92.3	89.7	87.5	86.2	84.8	83.4	82.0	80.6	79.0
-36.25°	94.7	92.3	89.8	87.6	86.4	85.0	83.7	82.4	81.0	79.5	77.8
-37.5°	92.1	89.7	87.6	86.4	85.2	83.9	82.6	81.3	79.9	78.2	76.5
-38.75°	89.4	87.5	86.4	85.2	83.9	82.7	81.4	80.2	78.6	76.9	75.3
-40°	87.3	86.2	85.0	83.9	82.7	81.5	80.3	78.8	77.2	75.6	74.2
-41.25°	85.9	84.8	83.7	82.6	81.4	80.3	78.8	77.3	75.8	74.4	73.1
-42.5°	84.5	83.4	82.4	81.3	80.2	78.8	77.3	75.9	74.5	73.3	72.0
-43.75°	83.1	82.0	81.0	79.9	78.6	77.2	75.8	74.5	73.3	72.1	70.9
-45°	81.6	80.6	79.5	78.2	76.9	75.6	74.4	73.3	72.1	71.0	69.3
-46.25°	80.2	79.0	77.8	76.5	75.3	74.2	73.1	72.0	70.9	69.3	67.6
-47.5°	78.4	77.2	76.0	74.9	73.9	72.9	71.8	70.7	69.1	67.5	65.8
-48.75°	76.5	75.4	74.4	73.5	72.5	71.5	70.3	68.8	67.3	65.7	64.0
-50°	74.7	73.8	73.0	72.1	71.1	69.8	68.4	66.9	65.4	63.7	61.9
-51.25°	73.2	72.4	71.5	70.5	69.1	67.8	66.4	65.0	63.3	61.6	59.8
-52.5°	71.7	70.8	69.6	68.3	67.0	65.7	64.3	62.7	61.0	59.4	57.6
-53.75°	69.7	68.5	67.4	66.1	64.9	63.4	61.9	60.4	58.8	57.0	54.9
-55°	67.4	66.3	65.1	63.8	62.4	61.0	59.5	58.0	56.1	54.1	52.1
-56.25°	65.0	63.8	62.5	61.2	59.9	58.5	56.9	55.0	53.2	51.3	49.3
-57.5°	62.3	61.1	59.9	58.6	57.2	55.5	53.8	52.0	50.2	48.5	47.1
-58.75°	59.5	58.4	57.0	55.5	53.9	52.3	50.6	49.0	47.6	46.3	44.9
-60°	56.4	55.0	53.6	52.1	50.6	49.1	47.8	46.6	45.3	44.0	42.6
-61.25°	52.9	51.5	50.2	48.8	47.7	46.5	45.4	44.2	42.9	41.6	40.2
-62.5°	49.3	48.2	47.2	46.2	45.1	44.0	42.9	41.7	40.4	39.0	37.6
-63.75°	46.4	45.5	44.5	43.5	42.5	41.4	40.2	38.9	37.6	36.3	35.0
-65°	43.6	42.7	41.8	40.7	39.6	38.4	37.3	36.1	34.9	33.8	33.2
-66.25°	40.6	39.6	38.6	37.6	36.6	35.5	34.4	33.6	33.1	32.5	31.9
-67.5°	37.4	36.5	35.5	34.6	33.8	33.3	32.8	32.2	31.7	31.1	30.6
-68.75°	34.1	33.6	33.2	32.7	32.3	31.8	31.3	30.8	30.3	29.8	29.2
-70°	32.4	32.0	31.6	31.2	30.8	30.3	29.8	29.4	28.9	28.4	27.9
-71.25°	30.8	30.4	30.0	29.6	29.2	28.8	28.4	27.9	27.5	27.0	26.5
-72.5°	29.2	28.8	28.5	28.1	27.7	27.3	26.9	26.5	26.1	25.6	25.2
-73.75°	27.5	27.2	26.9	26.5	26.2	25.8	25.4	25.1	24.7	24.3	23.9
-75°	25.9	25.6	25.3	25.0	24.6	24.3	24.0	23.6	23.2	22.9	22.5
-76.25°	24.2	24.0	23.7	23.4	23.1	22.8	22.5	22.1	21.8	21.4	20.9
-77.5°	22.6	22.3	22.1	21.8	21.4	21.1	20.7	20.4	20.0	19.6	19.2



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	20.7	20.4	20.1	19.8	19.5	19.2	18.9	18.5	18.2	17.9	17.5
-80°	18.6	18.4	18.1	17.8	17.6	17.3	17.0	16.7	16.3	15.9	15.6
-81.25°	16.4	16.2	15.9	15.6	15.4	15.1	14.8	14.5	14.1	13.8	13.5
-82.5°	14.0	13.7	13.5	13.3	13.0	12.8	12.5	12.3	12.0	11.7	11.4
-83.75°	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.0	9.8	9.6	9.4
-85°	9.0	8.8	8.7	8.5	8.4	8.2	8.0	7.8	7.7	7.5	7.3
-86.25°	6.5	6.4	6.3	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.2
-87.5°	4.2	4.1	4.0	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.5
-88.75°	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
87.5°	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.5
86.25°	5.1	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.0	3.9	3.7
85°	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.4	5.2	5.0
83.75°	9.1	8.9	8.6	8.4	8.1	7.9	7.6	7.3	7.0	6.8	6.5
82.5°	11.1	10.8	10.6	10.2	9.9	9.6	9.3	9.0	8.7	8.3	8.0
81.25°	13.2	12.8	12.5	12.1	11.8	11.4	11.0	10.6	10.3	9.9	9.5
80°	15.2	14.8	14.4	14.0	13.6	13.1	12.7	12.3	11.8	11.4	11.0
78.75°	17.1	16.7	16.3	15.8	15.4	14.9	14.4	13.9	13.4	12.9	12.4
77.5°	18.8	18.4	18.0	17.6	17.1	16.6	16.1	15.6	15.0	14.5	13.9
76.25°	20.5	20.0	19.6	19.1	18.6	18.2	17.7	17.2	16.6	16.0	15.4
75°	22.1	21.7	21.2	20.6	20.1	19.6	19.1	18.5	18.0	17.4	16.8
73.75°	23.4	23.0	22.6	22.1	21.6	21.0	20.5	19.9	19.3	18.7	18.1
72.5°	24.8	24.3	23.8	23.4	22.9	22.4	21.9	21.2	20.6	19.9	19.3
71.25°	26.1	25.6	25.1	24.6	24.1	23.5	23.0	22.5	21.9	21.2	20.5
70°	27.4	26.9	26.3	25.8	25.2	24.7	24.1	23.5	22.9	22.4	21.7
68.75°	28.7	28.1	27.6	27.0	26.4	25.8	25.2	24.6	24.0	23.3	22.7
67.5°	30.0	29.4	28.8	28.2	27.6	26.9	26.3	25.6	25.0	24.3	23.6
66.25°	31.3	30.6	30.0	29.4	28.7	28.0	27.4	26.7	26.0	25.3	24.6
65°	32.5	31.9	31.2	30.5	29.9	29.2	28.4	27.7	27.0	26.3	25.5
63.75°	33.8	33.1	32.4	31.7	31.0	30.3	29.5	28.8	28.0	27.2	26.4
62.5°	36.2	34.7	33.6	32.9	32.1	31.4	30.6	29.8	29.0	28.2	27.4
61.25°	38.7	37.2	35.6	34.1	33.2	32.4	31.6	30.8	30.0	29.1	28.3
60°	41.2	39.6	38.0	36.4	34.7	33.5	32.7	31.8	30.9	30.1	29.2
58.75°	43.4	42.0	40.3	38.6	36.9	35.2	33.7	32.8	31.9	31.0	30.1
57.5°	45.6	44.1	42.6	40.9	39.1	37.3	35.4	33.8	32.8	31.9	30.9
56.25°	47.7	46.2	44.6	43.0	41.3	39.4	37.5	35.5	33.8	32.8	31.8
55°	50.1	48.2	46.6	44.9	43.2	41.4	39.5	37.5	35.4	33.7	32.7
53.75°	52.8	50.6	48.5	46.8	45.1	43.3	41.4	39.4	37.3	35.2	33.5
52.5°	55.4	53.2	50.9	48.7	46.9	45.1	43.2	41.3	39.1	36.9	34.7
51.25°	58.0	55.7	53.4	51.0	48.7	46.8	44.9	43.0	40.9	38.6	36.4
50°	60.1	58.2	55.9	53.4	50.9	48.5	46.6	44.6	42.6	40.3	38.0
48.75°	62.1	60.2	58.2	55.7	53.2	50.6	48.2	46.2	44.1	42.0	39.6
47.5°	64.0	62.1	60.1	58.0	55.4	52.8	50.1	47.7	45.6	43.4	41.2
46.25°	65.8	64.0	61.9	59.8	57.6	54.9	52.1	49.3	47.1	44.9	42.6
45°	67.5	65.7	63.7	61.6	59.4	57.0	54.1	51.3	48.5	46.3	44.0
43.75°	69.1	67.3	65.4	63.3	61.0	58.8	56.1	53.2	50.2	47.6	45.3
42.5°	70.7	68.8	66.9	65.0	62.7	60.4	58.0	55.0	52.0	49.0	46.6
41.25°	71.8	70.3	68.4	66.4	64.3	61.9	59.5	56.9	53.8	50.6	47.8
40°	72.9	71.5	69.8	67.8	65.7	63.4	61.0	58.5	55.5	52.3	49.1
38.75°	73.9	72.5	71.1	69.1	67.0	64.9	62.4	59.9	57.2	53.9	50.6
37.5°	74.9	73.5	72.1	70.5	68.3	66.1	63.8	61.2	58.6	55.5	52.1
36.25°	76.0	74.4	73.0	71.5	69.6	67.4	65.1	62.5	59.9	57.0	53.6
35°	77.2	75.4	73.8	72.4	70.8	68.5	66.3	63.8	61.1	58.4	55.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	78.4	76.5	74.7	73.2	71.7	69.7	67.4	65.0	62.3	59.5	56.4
32.5°	79.5	77.6	75.7	74.0	72.4	70.8	68.4	66.1	63.4	60.6	57.8
31.25°	80.4	78.6	76.7	74.8	73.2	71.6	69.5	67.1	64.6	61.7	58.9
30°	81.3	79.6	77.7	75.6	73.9	72.3	70.5	68.0	65.6	62.8	59.8
28.75°	82.1	80.5	78.6	76.6	74.6	73.0	71.3	69.0	66.4	63.7	60.8
27.5°	82.9	81.3	79.5	77.4	75.4	73.6	71.9	69.9	67.3	64.7	61.7
26.25°	83.7	82.0	80.3	78.3	76.2	74.2	72.5	70.7	68.1	65.5	62.6
25°	84.4	82.7	81.0	79.1	77.0	74.8	73.1	71.4	68.9	66.3	63.4
23.75°	85.1	83.4	81.7	79.9	77.7	75.5	73.7	71.9	69.7	67.0	64.3
22.5°	85.8	84.0	82.3	80.5	78.4	76.2	74.2	72.4	70.4	67.7	65.0
21.25°	86.4	84.7	82.9	81.1	79.1	76.9	74.7	72.9	71.1	68.4	65.7
20°	87.1	85.3	83.5	81.6	79.8	77.5	75.2	73.4	71.5	69.0	66.3
18.75°	87.6	85.8	84.0	82.2	80.3	78.1	75.8	73.8	71.9	69.6	66.8
17.5°	88.4	86.3	84.5	82.6	80.8	78.7	76.3	74.2	72.3	70.2	67.4
16.25°	89.4	86.8	85.0	83.1	81.2	79.2	76.8	74.6	72.7	70.7	67.8
15°	90.4	87.3	85.4	83.5	81.6	79.7	77.3	74.9	73.0	71.1	68.3
13.75°	91.2	87.7	85.8	83.9	82.0	80.1	77.7	75.3	73.3	71.4	68.7
12.5°	92.1	88.2	86.2	84.3	82.3	80.4	78.1	75.7	73.6	71.7	69.1
11.25°	92.8	88.9	86.5	84.6	82.7	80.7	78.5	76.0	73.9	71.9	69.5
10°	93.5	89.6	86.8	84.9	82.9	81.0	78.8	76.3	74.1	72.2	69.8
8.75°	94.1	90.1	87.1	85.1	83.2	81.2	79.1	76.6	74.3	72.4	70.1
7.5°	94.6	90.6	87.3	85.4	83.4	81.4	79.3	76.8	74.5	72.5	70.3
6.25°	95.0	91.0	87.5	85.6	83.6	81.6	79.5	77.0	74.7	72.7	70.5
5°	95.4	91.4	87.7	85.7	83.7	81.7	79.7	77.2	74.8	72.8	70.7
3.75°	95.6	91.7	87.8	85.8	83.8	81.9	79.8	77.3	74.9	72.9	70.8
2.5°	95.8	91.8	87.9	85.9	83.9	81.9	79.9	77.4	74.9	72.9	70.9
1.25°	96.0	92.0	88.0	86.0	84.0	82.0	80.0	77.5	75.0	73.0	71.0
0°	96.0	92.0	88.0	86.0	84.0	82.0	80.0	77.5	75.0	73.0	71.0
-1.25°	96.0	92.0	88.0	86.0	84.0	82.0	80.0	77.5	75.0	73.0	71.0
-2.5°	95.8	91.8	87.9	85.9	83.9	81.9	79.9	77.4	74.9	72.9	70.9
-3.75°	95.6	91.7	87.8	85.8	83.8	81.9	79.8	77.3	74.9	72.9	70.8
-5°	95.4	91.4	87.7	85.7	83.7	81.7	79.7	77.2	74.8	72.8	70.7
-6.25°	95.0	91.0	87.5	85.6	83.6	81.6	79.5	77.0	74.7	72.7	70.5
-7.5°	94.6	90.6	87.3	85.4	83.4	81.4	79.3	76.8	74.5	72.5	70.3
-8.75°	94.1	90.1	87.1	85.1	83.2	81.2	79.1	76.6	74.3	72.4	70.1
-10°	93.5	89.6	86.8	84.9	82.9	81.0	78.8	76.3	74.1	72.2	69.8
-11.25°	92.8	88.9	86.5	84.6	82.7	80.7	78.5	76.0	73.9	71.9	69.5
-12.5°	92.1	88.2	86.2	84.3	82.3	80.4	78.1	75.7	73.6	71.7	69.1
-13.75°	91.2	87.7	85.8	83.9	82.0	80.1	77.7	75.3	73.3	71.4	68.7
-15°	90.4	87.3	85.4	83.5	81.6	79.7	77.3	74.9	73.0	71.1	68.3
-16.25°	89.4	86.8	85.0	83.1	81.2	79.2	76.8	74.6	72.7	70.7	67.8
-17.5°	88.4	86.3	84.5	82.6	80.8	78.7	76.3	74.2	72.3	70.2	67.4
-18.75°	87.6	85.8	84.0	82.2	80.3	78.1	75.8	73.8	71.9	69.6	66.8
-20°	87.1	85.3	83.5	81.6	79.8	77.5	75.2	73.4	71.5	69.0	66.3
-21.25°	86.4	84.7	82.9	81.1	79.1	76.9	74.7	72.9	71.1	68.4	65.7



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	85.8	84.0	82.3	80.5	78.4	76.2	74.2	72.4	70.4	67.7	65.0
-23.75°	85.1	83.4	81.7	79.9	77.7	75.5	73.7	71.9	69.7	67.0	64.3
-25°	84.4	82.7	81.0	79.1	77.0	74.8	73.1	71.4	68.9	66.3	63.4
-26.25°	83.7	82.0	80.3	78.3	76.2	74.2	72.5	70.7	68.1	65.5	62.6
-27.5°	82.9	81.3	79.5	77.4	75.4	73.6	71.9	69.9	67.3	64.7	61.7
-28.75°	82.1	80.5	78.6	76.6	74.6	73.0	71.3	69.0	66.4	63.7	60.8
-30°	81.3	79.6	77.7	75.6	73.9	72.3	70.5	68.0	65.6	62.8	59.8
-31.25°	80.4	78.6	76.7	74.8	73.2	71.6	69.5	67.1	64.6	61.7	58.9
-32.5°	79.5	77.6	75.7	74.0	72.4	70.8	68.4	66.1	63.4	60.6	57.8
-33.75°	78.4	76.5	74.7	73.2	71.7	69.7	67.4	65.0	62.3	59.5	56.4
-35°	77.2	75.4	73.8	72.4	70.8	68.5	66.3	63.8	61.1	58.4	55.0
-36.25°	76.0	74.4	73.0	71.5	69.6	67.4	65.1	62.5	59.9	57.0	53.6
-37.5°	74.9	73.5	72.1	70.5	68.3	66.1	63.8	61.2	58.6	55.5	52.1
-38.75°	73.9	72.5	71.1	69.1	67.0	64.9	62.4	59.9	57.2	53.9	50.6
-40°	72.9	71.5	69.8	67.8	65.7	63.4	61.0	58.5	55.5	52.3	49.1
-41.25°	71.8	70.3	68.4	66.4	64.3	61.9	59.5	56.9	53.8	50.6	47.8
-42.5°	70.7	68.8	66.9	65.0	62.7	60.4	58.0	55.0	52.0	49.0	46.6
-43.75°	69.1	67.3	65.4	63.3	61.0	58.8	56.1	53.2	50.2	47.6	45.3
-45°	67.5	65.7	63.7	61.6	59.4	57.0	54.1	51.3	48.5	46.3	44.0
-46.25°	65.8	64.0	61.9	59.8	57.6	54.9	52.1	49.3	47.1	44.9	42.6
-47.5°	64.0	62.1	60.1	58.0	55.4	52.8	50.1	47.7	45.6	43.4	41.2
-48.75°	62.1	60.2	58.2	55.7	53.2	50.6	48.2	46.2	44.1	42.0	39.6
-50°	60.1	58.2	55.9	53.4	50.9	48.5	46.6	44.6	42.6	40.3	38.0
-51.25°	58.0	55.7	53.4	51.0	48.7	46.8	44.9	43.0	40.9	38.6	36.4
-52.5°	55.4	53.2	50.9	48.7	46.9	45.1	43.2	41.3	39.1	36.9	34.7
-53.75°	52.8	50.6	48.5	46.8	45.1	43.3	41.4	39.4	37.3	35.2	33.5
-55°	50.1	48.2	46.6	44.9	43.2	41.4	39.5	37.5	35.4	33.7	32.7
-56.25°	47.7	46.2	44.6	43.0	41.3	39.4	37.5	35.5	33.8	32.8	31.8
-57.5°	45.6	44.1	42.6	40.9	39.1	37.3	35.4	33.8	32.8	31.9	30.9
-58.75°	43.4	42.0	40.3	38.6	36.9	35.2	33.7	32.8	31.9	31.0	30.1
-60°	41.2	39.6	38.0	36.4	34.7	33.5	32.7	31.8	30.9	30.1	29.2
-61.25°	38.7	37.2	35.6	34.1	33.2	32.4	31.6	30.8	30.0	29.1	28.3
-62.5°	36.2	34.7	33.6	32.9	32.1	31.4	30.6	29.8	29.0	28.2	27.4
-63.75°	33.8	33.1	32.4	31.7	31.0	30.3	29.5	28.8	28.0	27.2	26.4
-65°	32.5	31.9	31.2	30.5	29.9	29.2	28.4	27.7	27.0	26.3	25.5
-66.25°	31.3	30.6	30.0	29.4	28.7	28.0	27.4	26.7	26.0	25.3	24.6
-67.5°	30.0	29.4	28.8	28.2	27.6	26.9	26.3	25.6	25.0	24.3	23.6
-68.75°	28.7	28.1	27.6	27.0	26.4	25.8	25.2	24.6	24.0	23.3	22.7
-70°	27.4	26.9	26.3	25.8	25.2	24.7	24.1	23.5	22.9	22.4	21.7
-71.25°	26.1	25.6	25.1	24.6	24.1	23.5	23.0	22.5	21.9	21.2	20.5
-72.5°	24.8	24.3	23.8	23.4	22.9	22.4	21.9	21.2	20.6	19.9	19.3
-73.75°	23.4	23.0	22.6	22.1	21.6	21.0	20.5	19.9	19.3	18.7	18.1
-75°	22.1	21.7	21.2	20.6	20.1	19.6	19.1	18.5	18.0	17.4	16.8
-76.25°	20.5	20.0	19.6	19.1	18.6	18.2	17.7	17.2	16.6	16.0	15.4
-77.5°	18.8	18.4	18.0	17.6	17.1	16.6	16.1	15.6	15.0	14.5	13.9



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	17.1	16.7	16.3	15.8	15.4	14.9	14.4	13.9	13.4	12.9	12.4
-80°	15.2	14.8	14.4	14.0	13.6	13.1	12.7	12.3	11.8	11.4	11.0
-81.25°	13.2	12.8	12.5	12.1	11.8	11.4	11.0	10.6	10.3	9.9	9.5
-82.5°	11.1	10.8	10.6	10.2	9.9	9.6	9.3	9.0	8.7	8.3	8.0
-83.75°	9.1	8.9	8.6	8.4	8.1	7.9	7.6	7.3	7.0	6.8	6.5
-85°	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.4	5.2	5.0
-86.25°	5.1	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.0	3.9	3.7
-87.5°	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.5
-88.75°	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
87.5°	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4
86.25°	3.6	3.5	3.3	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.1
85°	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8
83.75°	6.2	5.9	5.6	5.3	5.0	4.8	4.5	4.3	4.0	3.8	3.5
82.5°	7.6	7.3	6.9	6.6	6.2	5.9	5.5	5.1	4.8	4.5	4.2
81.25°	9.1	8.7	8.3	7.8	7.4	7.0	6.6	6.2	5.7	5.3	4.9
80°	10.5	10.0	9.6	9.1	8.6	8.1	7.7	7.2	6.7	6.2	5.7
78.75°	11.9	11.4	10.9	10.4	9.8	9.3	8.7	8.2	7.6	7.1	6.5
77.5°	13.3	12.8	12.2	11.6	11.0	10.4	9.8	9.2	8.6	8.0	7.3
76.25°	14.8	14.1	13.5	12.8	12.2	11.5	10.9	10.2	9.5	8.8	8.2
75°	16.2	15.5	14.8	14.1	13.4	12.6	11.9	11.2	10.5	9.7	9.0
73.75°	17.5	16.8	16.1	15.3	14.5	13.8	13.0	12.2	11.4	10.6	9.8
72.5°	18.6	18.0	17.3	16.5	15.7	14.9	14.0	13.2	12.3	11.5	10.6
71.25°	19.8	19.1	18.3	17.6	16.9	16.0	15.1	14.1	13.2	12.3	11.4
70°	20.9	20.2	19.4	18.6	17.8	17.0	16.1	15.1	14.1	13.2	12.2
68.75°	22.1	21.3	20.4	19.6	18.8	17.9	17.1	16.1	15.1	14.0	13.0
67.5°	23.0	22.3	21.5	20.6	19.7	18.8	17.9	17.0	16.0	14.9	13.8
66.25°	23.9	23.1	22.4	21.6	20.7	19.7	18.8	17.8	16.9	15.7	14.5
65°	24.8	24.0	23.2	22.5	21.6	20.6	19.6	18.6	17.6	16.5	15.3
63.75°	25.7	24.9	24.0	23.2	22.4	21.5	20.4	19.4	18.3	17.3	16.1
62.5°	26.5	25.7	24.9	24.0	23.1	22.3	21.3	20.2	19.1	18.0	16.8
61.25°	27.4	26.5	25.7	24.8	23.9	23.0	22.1	20.9	19.8	18.6	17.5
60°	28.3	27.4	26.4	25.5	24.6	23.6	22.7	21.7	20.5	19.3	18.1
58.75°	29.1	28.2	27.2	26.3	25.3	24.3	23.3	22.4	21.2	19.9	18.7
57.5°	30.0	29.0	28.0	27.0	26.0	25.0	24.0	22.9	21.9	20.6	19.3
56.25°	30.8	29.8	28.8	27.7	26.7	25.6	24.6	23.5	22.5	21.2	19.9
55°	31.6	30.6	29.5	28.4	27.4	26.3	25.2	24.1	23.0	21.9	20.5
53.75°	32.4	31.4	30.3	29.2	28.0	26.9	25.8	24.7	23.5	22.4	21.0
52.5°	33.2	32.1	31.0	29.9	28.7	27.6	26.4	25.2	24.1	22.9	21.6
51.25°	34.1	32.9	31.7	30.5	29.4	28.2	27.0	25.8	24.6	23.4	22.1
50°	35.6	33.6	32.4	31.2	30.0	28.8	27.6	26.3	25.1	23.8	22.6
48.75°	37.2	34.7	33.1	31.9	30.6	29.4	28.1	26.9	25.6	24.3	23.0
47.5°	38.7	36.2	33.8	32.5	31.3	30.0	28.7	27.4	26.1	24.8	23.4
46.25°	40.2	37.6	35.0	33.2	31.9	30.6	29.2	27.9	26.5	25.2	23.9
45°	41.6	39.0	36.3	33.8	32.5	31.1	29.8	28.4	27.0	25.6	24.3
43.75°	42.9	40.4	37.6	34.9	33.1	31.7	30.3	28.9	27.5	26.1	24.7
42.5°	44.2	41.7	38.9	36.1	33.6	32.2	30.8	29.4	27.9	26.5	25.1
41.25°	45.4	42.9	40.2	37.3	34.4	32.8	31.3	29.8	28.4	26.9	25.4
40°	46.5	44.0	41.4	38.4	35.5	33.3	31.8	30.3	28.8	27.3	25.8
38.75°	47.7	45.1	42.5	39.6	36.6	33.8	32.3	30.8	29.2	27.7	26.2
37.5°	48.8	46.2	43.5	40.7	37.6	34.6	32.7	31.2	29.6	28.1	26.5
36.25°	50.2	47.2	44.5	41.8	38.6	35.5	33.2	31.6	30.0	28.5	26.9
35°	51.5	48.2	45.5	42.7	39.6	36.5	33.6	32.0	30.4	28.8	27.2

REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	52.9	49.3	46.4	43.6	40.6	37.4	34.1	32.4	30.8	29.2	27.5
32.5°	54.2	50.5	47.3	44.5	41.5	38.3	35.0	32.8	31.2	29.5	27.8
31.25°	55.4	51.7	48.2	45.3	42.4	39.1	35.8	33.2	31.5	29.8	28.1
30°	56.6	52.9	49.1	46.1	43.2	39.9	36.5	33.6	31.9	30.2	28.4
28.75°	57.8	54.0	50.1	46.9	43.9	40.7	37.3	33.9	32.2	30.5	28.7
27.5°	58.7	55.0	51.2	47.6	44.6	41.5	38.0	34.5	32.5	30.8	29.0
26.25°	59.6	56.1	52.1	48.4	45.3	42.2	38.7	35.2	32.8	31.0	29.3
25°	60.4	57.1	53.1	49.1	45.9	42.8	39.4	35.8	33.1	31.3	29.5
23.75°	61.1	58.0	54.0	49.9	46.6	43.4	40.0	36.4	33.4	31.6	29.7
22.5°	61.9	58.7	54.8	50.7	47.2	44.0	40.6	36.9	33.6	31.8	30.0
21.25°	62.6	59.4	55.6	51.5	47.7	44.5	41.2	37.5	33.9	32.0	30.2
20°	63.2	60.0	56.4	52.2	48.3	45.0	41.7	38.0	34.3	32.3	30.4
18.75°	63.9	60.6	57.1	52.9	48.8	45.5	42.2	38.5	34.7	32.5	30.6
17.5°	64.5	61.2	57.8	53.6	49.3	45.9	42.6	38.9	35.1	32.7	30.8
16.25°	65.0	61.7	58.4	54.2	49.9	46.4	43.0	39.3	35.5	32.8	30.9
15°	65.4	62.2	58.8	54.7	50.4	46.7	43.4	39.7	35.9	33.0	31.1
13.75°	65.8	62.6	59.2	55.3	50.9	47.1	43.7	40.1	36.2	33.2	31.2
12.5°	66.2	63.0	59.6	55.7	51.4	47.4	44.0	40.4	36.5	33.3	31.4
11.25°	66.6	63.4	60.0	56.2	51.8	47.7	44.3	40.7	36.8	33.4	31.5
10°	66.9	63.7	60.3	56.5	52.1	48.0	44.6	41.0	37.1	33.6	31.6
8.75°	67.1	64.0	60.6	56.9	52.4	48.2	44.8	41.2	37.3	33.7	31.7
7.5°	67.4	64.3	60.8	57.2	52.7	48.4	45.0	41.4	37.5	33.8	31.8
6.25°	67.6	64.5	61.0	57.4	53.0	48.6	45.1	41.6	37.6	33.8	31.8
5°	67.7	64.7	61.2	57.6	53.2	48.7	45.3	41.7	37.8	33.9	31.9
3.75°	67.8	64.8	61.3	57.8	53.3	48.9	45.4	41.9	37.9	33.9	31.9
2.5°	67.9	64.9	61.4	57.9	53.4	48.9	45.4	41.9	37.9	34.0	32.0
1.25°	68.0	65.0	61.5	58.0	53.5	49.0	45.5	42.0	38.0	34.0	32.0
0°	68.0	65.0	61.5	58.0	53.5	49.0	45.5	42.0	38.0	34.0	32.0
-1.25°	68.0	65.0	61.5	58.0	53.5	49.0	45.5	42.0	38.0	34.0	32.0
-2.5°	67.9	64.9	61.4	57.9	53.4	48.9	45.4	41.9	37.9	34.0	32.0
-3.75°	67.8	64.8	61.3	57.8	53.3	48.9	45.4	41.9	37.9	33.9	31.9
-5°	67.7	64.7	61.2	57.6	53.2	48.7	45.3	41.7	37.8	33.9	31.9
-6.25°	67.6	64.5	61.0	57.4	53.0	48.6	45.1	41.6	37.6	33.8	31.8
-7.5°	67.4	64.3	60.8	57.2	52.7	48.4	45.0	41.4	37.5	33.8	31.8
-8.75°	67.1	64.0	60.6	56.9	52.4	48.2	44.8	41.2	37.3	33.7	31.7
-10°	66.9	63.7	60.3	56.5	52.1	48.0	44.6	41.0	37.1	33.6	31.6
-11.25°	66.6	63.4	60.0	56.2	51.8	47.7	44.3	40.7	36.8	33.4	31.5
-12.5°	66.2	63.0	59.6	55.7	51.4	47.4	44.0	40.4	36.5	33.3	31.4
-13.75°	65.8	62.6	59.2	55.3	50.9	47.1	43.7	40.1	36.2	33.2	31.2
-15°	65.4	62.2	58.8	54.7	50.4	46.7	43.4	39.7	35.9	33.0	31.1
-16.25°	65.0	61.7	58.4	54.2	49.9	46.4	43.0	39.3	35.5	32.8	30.9
-17.5°	64.5	61.2	57.8	53.6	49.3	45.9	42.6	38.9	35.1	32.7	30.8
-18.75°	63.9	60.6	57.1	52.9	48.8	45.5	42.2	38.5	34.7	32.5	30.6
-20°	63.2	60.0	56.4	52.2	48.3	45.0	41.7	38.0	34.3	32.3	30.4
-21.25°	62.6	59.4	55.6	51.5	47.7	44.5	41.2	37.5	33.9	32.0	30.2



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	61.9	58.7	54.8	50.7	47.2	44.0	40.6	36.9	33.6	31.8	30.0
-23.75°	61.1	58.0	54.0	49.9	46.6	43.4	40.0	36.4	33.4	31.6	29.7
-25°	60.4	57.1	53.1	49.1	45.9	42.8	39.4	35.8	33.1	31.3	29.5
-26.25°	59.6	56.1	52.1	48.4	45.3	42.2	38.7	35.2	32.8	31.0	29.3
-27.5°	58.7	55.0	51.2	47.6	44.6	41.5	38.0	34.5	32.5	30.8	29.0
-28.75°	57.8	54.0	50.1	46.9	43.9	40.7	37.3	33.9	32.2	30.5	28.7
-30°	56.6	52.9	49.1	46.1	43.2	39.9	36.5	33.6	31.9	30.2	28.4
-31.25°	55.4	51.7	48.2	45.3	42.4	39.1	35.8	33.2	31.5	29.8	28.1
-32.5°	54.2	50.5	47.3	44.5	41.5	38.3	35.0	32.8	31.2	29.5	27.8
-33.75°	52.9	49.3	46.4	43.6	40.6	37.4	34.1	32.4	30.8	29.2	27.5
-35°	51.5	48.2	45.5	42.7	39.6	36.5	33.6	32.0	30.4	28.8	27.2
-36.25°	50.2	47.2	44.5	41.8	38.6	35.5	33.2	31.6	30.0	28.5	26.9
-37.5°	48.8	46.2	43.5	40.7	37.6	34.6	32.7	31.2	29.6	28.1	26.5
-38.75°	47.7	45.1	42.5	39.6	36.6	33.8	32.3	30.8	29.2	27.7	26.2
-40°	46.5	44.0	41.4	38.4	35.5	33.3	31.8	30.3	28.8	27.3	25.8
-41.25°	45.4	42.9	40.2	37.3	34.4	32.8	31.3	29.8	28.4	26.9	25.4
-42.5°	44.2	41.7	38.9	36.1	33.6	32.2	30.8	29.4	27.9	26.5	25.1
-43.75°	42.9	40.4	37.6	34.9	33.1	31.7	30.3	28.9	27.5	26.1	24.7
-45°	41.6	39.0	36.3	33.8	32.5	31.1	29.8	28.4	27.0	25.6	24.3
-46.25°	40.2	37.6	35.0	33.2	31.9	30.6	29.2	27.9	26.5	25.2	23.9
-47.5°	38.7	36.2	33.8	32.5	31.3	30.0	28.7	27.4	26.1	24.8	23.4
-48.75°	37.2	34.7	33.1	31.9	30.6	29.4	28.1	26.9	25.6	24.3	23.0
-50°	35.6	33.6	32.4	31.2	30.0	28.8	27.6	26.3	25.1	23.8	22.6
-51.25°	34.1	32.9	31.7	30.5	29.4	28.2	27.0	25.8	24.6	23.4	22.1
-52.5°	33.2	32.1	31.0	29.9	28.7	27.6	26.4	25.2	24.1	22.9	21.6
-53.75°	32.4	31.4	30.3	29.2	28.0	26.9	25.8	24.7	23.5	22.4	21.0
-55°	31.6	30.6	29.5	28.4	27.4	26.3	25.2	24.1	23.0	21.9	20.5
-56.25°	30.8	29.8	28.8	27.7	26.7	25.6	24.6	23.5	22.5	21.2	19.9
-57.5°	30.0	29.0	28.0	27.0	26.0	25.0	24.0	22.9	21.9	20.6	19.3
-58.75°	29.1	28.2	27.2	26.3	25.3	24.3	23.3	22.4	21.2	19.9	18.7
-60°	28.3	27.4	26.4	25.5	24.6	23.6	22.7	21.7	20.5	19.3	18.1
-61.25°	27.4	26.5	25.7	24.8	23.9	23.0	22.1	20.9	19.8	18.6	17.5
-62.5°	26.5	25.7	24.9	24.0	23.1	22.3	21.3	20.2	19.1	18.0	16.8
-63.75°	25.7	24.9	24.0	23.2	22.4	21.5	20.4	19.4	18.3	17.3	16.1
-65°	24.8	24.0	23.2	22.5	21.6	20.6	19.6	18.6	17.6	16.5	15.3
-66.25°	23.9	23.1	22.4	21.6	20.7	19.7	18.8	17.8	16.9	15.7	14.5
-67.5°	23.0	22.3	21.5	20.6	19.7	18.8	17.9	17.0	16.0	14.9	13.8
-68.75°	22.1	21.3	20.4	19.6	18.8	17.9	17.1	16.1	15.1	14.0	13.0
-70°	20.9	20.2	19.4	18.6	17.8	17.0	16.1	15.1	14.1	13.2	12.2
-71.25°	19.8	19.1	18.3	17.6	16.9	16.0	15.1	14.1	13.2	12.3	11.4
-72.5°	18.6	18.0	17.3	16.5	15.7	14.9	14.0	13.2	12.3	11.5	10.6
-73.75°	17.5	16.8	16.1	15.3	14.5	13.8	13.0	12.2	11.4	10.6	9.8
-75°	16.2	15.5	14.8	14.1	13.4	12.6	11.9	11.2	10.5	9.7	9.0
-76.25°	14.8	14.1	13.5	12.8	12.2	11.5	10.9	10.2	9.5	8.8	8.2
-77.5°	13.3	12.8	12.2	11.6	11.0	10.4	9.8	9.2	8.6	8.0	7.3



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	11.9	11.4	10.9	10.4	9.8	9.3	8.7	8.2	7.6	7.1	6.5
-80°	10.5	10.0	9.6	9.1	8.6	8.1	7.7	7.2	6.7	6.2	5.7
-81.25°	9.1	8.7	8.3	7.8	7.4	7.0	6.6	6.2	5.7	5.3	4.9
-82.5°	7.6	7.3	6.9	6.6	6.2	5.9	5.5	5.1	4.8	4.5	4.2
-83.75°	6.2	5.9	5.6	5.3	5.0	4.8	4.5	4.3	4.0	3.8	3.5
-85°	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8
-86.25°	3.6	3.5	3.3	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.1
-87.5°	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4
-88.75°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
87.5°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.5	0.4	0.3	0.2
86.25°	1.9	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.7	0.5	0.3
85°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
83.75°	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.4	1.1	0.8	0.5
82.5°	3.9	3.6	3.2	2.9	2.6	2.3	2.0	1.6	1.3	1.0	0.7
81.25°	4.5	4.1	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
80°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.2	1.7	1.3	0.9
78.75°	5.9	5.4	4.8	4.4	3.9	3.4	2.9	2.4	1.9	1.5	1.0
77.5°	6.7	6.1	5.4	4.8	4.3	3.8	3.2	2.7	2.2	1.6	1.1
76.25°	7.5	6.8	6.1	5.4	4.7	4.1	3.6	3.0	2.4	1.8	1.2
75°	8.2	7.5	6.7	5.9	5.2	4.5	3.9	3.2	2.6	1.9	1.3
73.75°	9.0	8.2	7.3	6.5	5.7	4.9	4.2	3.5	2.8	2.1	1.4
72.5°	9.7	8.8	8.0	7.1	6.2	5.3	4.5	3.8	3.0	2.3	1.5
71.25°	10.5	9.5	8.6	7.6	6.7	5.7	4.8	4.0	3.2	2.4	1.6
70°	11.2	10.2	9.2	8.2	7.2	6.2	5.1	4.3	3.4	2.6	1.7
68.75°	11.9	10.9	9.8	8.7	7.7	6.6	5.5	4.5	3.6	2.7	1.8
67.5°	12.6	11.5	10.4	9.3	8.1	7.0	5.9	4.8	3.8	2.9	1.9
66.25°	13.4	12.2	11.0	9.8	8.6	7.4	6.2	5.0	4.0	3.0	2.0
65°	14.1	12.8	11.6	10.4	9.1	7.8	6.6	5.3	4.2	3.2	2.1
63.75°	14.8	13.5	12.2	10.9	9.6	8.3	6.9	5.6	4.4	3.3	2.2
62.5°	15.5	14.1	12.8	11.4	10.0	8.7	7.3	5.9	4.6	3.5	2.3
61.25°	16.2	14.8	13.3	11.9	10.5	9.1	7.6	6.2	4.8	3.6	2.4
60°	16.8	15.4	13.9	12.4	11.0	9.5	8.0	6.5	5.0	3.7	2.5
58.75°	17.4	16.0	14.5	12.9	11.4	9.9	8.3	6.8	5.2	3.9	2.6
57.5°	18.0	16.6	15.0	13.4	11.8	10.3	8.7	7.0	5.4	4.0	2.7
56.25°	18.5	17.2	15.6	13.9	12.3	10.6	9.0	7.3	5.7	4.2	2.8
55°	19.1	17.7	16.1	14.4	12.7	11.0	9.3	7.6	5.9	4.3	2.9
53.75°	19.6	18.2	16.6	14.9	13.1	11.4	9.6	7.9	6.1	4.4	3.0
52.5°	20.1	18.6	17.1	15.4	13.6	11.8	9.9	8.1	6.3	4.6	3.0
51.25°	20.6	19.1	17.6	15.8	14.0	12.1	10.2	8.4	6.5	4.7	3.1
50°	21.2	19.6	18.0	16.3	14.4	12.5	10.6	8.6	6.7	4.8	3.2
48.75°	21.7	20.0	18.4	16.7	14.8	12.8	10.8	8.9	6.9	4.9	3.3
47.5°	22.1	20.5	18.8	17.1	15.2	13.2	11.1	9.1	7.1	5.1	3.4
46.25°	22.5	20.9	19.2	17.5	15.6	13.5	11.4	9.4	7.3	5.2	3.5
45°	22.9	21.4	19.6	17.9	15.9	13.8	11.7	9.6	7.5	5.4	3.5
43.75°	23.2	21.8	20.0	18.2	16.3	14.1	12.0	9.8	7.7	5.5	3.6
42.5°	23.6	22.1	20.4	18.5	16.7	14.5	12.3	10.0	7.8	5.6	3.7
41.25°	24.0	22.5	20.7	18.9	17.0	14.8	12.5	10.3	8.0	5.8	3.8
40°	24.3	22.8	21.1	19.2	17.3	15.1	12.8	10.5	8.2	5.9	3.8
38.75°	24.6	23.1	21.4	19.5	17.6	15.4	13.0	10.7	8.4	6.0	3.9
37.5°	25.0	23.4	21.8	19.8	17.8	15.6	13.3	10.9	8.5	6.1	4.0
36.25°	25.3	23.7	22.1	20.1	18.1	15.9	13.5	11.1	8.7	6.3	4.0
35°	25.6	24.0	22.3	20.4	18.4	16.2	13.7	11.3	8.8	6.4	4.1



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	25.9	24.2	22.6	20.7	18.6	16.4	14.0	11.5	9.0	6.5	4.2
32.5°	26.2	24.5	22.8	20.9	18.8	16.7	14.2	11.6	9.1	6.6	4.2
31.25°	26.5	24.8	23.1	21.2	19.1	16.9	14.4	11.8	9.3	6.7	4.3
30°	26.7	25.0	23.3	21.5	19.3	17.1	14.6	12.0	9.4	6.8	4.3
28.75°	27.0	25.2	23.5	21.7	19.5	17.3	14.8	12.1	9.5	6.9	4.4
27.5°	27.2	25.5	23.7	21.9	19.7	17.5	15.0	12.3	9.6	7.0	4.4
26.25°	27.5	25.7	23.9	22.1	19.9	17.7	15.1	12.4	9.8	7.1	4.5
25°	27.7	25.9	24.1	22.3	20.1	17.8	15.3	12.6	9.9	7.2	4.5
23.75°	27.9	26.1	24.3	22.5	20.3	18.0	15.5	12.7	10.0	7.2	4.6
22.5°	28.1	26.3	24.5	22.6	20.5	18.2	15.6	12.9	10.1	7.3	4.6
21.25°	28.3	26.5	24.6	22.8	20.6	18.3	15.8	13.0	10.2	7.4	4.7
20°	28.5	26.6	24.8	22.9	20.8	18.4	15.9	13.1	10.3	7.5	4.7
18.75°	28.7	26.8	24.9	23.0	20.9	18.6	16.0	13.2	10.4	7.5	4.7
17.5°	28.9	27.0	25.1	23.2	21.1	18.7	16.2	13.3	10.4	7.6	4.8
16.25°	29.0	27.1	25.2	23.3	21.2	18.8	16.3	13.4	10.5	7.6	4.8
15°	29.2	27.2	25.3	23.4	21.3	18.9	16.4	13.5	10.6	7.7	4.8
13.75°	29.3	27.4	25.4	23.5	21.4	19.0	16.5	13.6	10.7	7.7	4.9
12.5°	29.4	27.5	25.5	23.6	21.5	19.1	16.6	13.6	10.7	7.8	4.9
11.25°	29.5	27.6	25.6	23.6	21.6	19.2	16.7	13.7	10.8	7.8	4.9
10°	29.6	27.7	25.7	23.7	21.7	19.2	16.7	13.8	10.8	7.9	4.9
8.75°	29.7	27.7	25.8	23.8	21.8	19.3	16.8	13.8	10.9	7.9	4.9
7.5°	29.8	27.8	25.8	23.8	21.8	19.3	16.8	13.9	10.9	7.9	5.0
6.25°	29.9	27.9	25.9	23.9	21.9	19.4	16.9	13.9	10.9	7.9	5.0
5°	29.9	27.9	25.9	23.9	21.9	19.4	16.9	13.9	11.0	8.0	5.0
3.75°	29.9	28.0	26.0	24.0	22.0	19.5	17.0	14.0	11.0	8.0	5.0
2.5°	30.0	28.0	26.0	24.0	22.0	19.5	17.0	14.0	11.0	8.0	5.0
1.25°	30.0	28.0	26.0	24.0	22.0	19.5	17.0	14.0	11.0	8.0	5.0
0°	30.0	28.0	26.0	24.0	22.0	19.5	17.0	14.0	11.0	8.0	5.0
-1.25°	30.0	28.0	26.0	24.0	22.0	19.5	17.0	14.0	11.0	8.0	5.0
-2.5°	30.0	28.0	26.0	24.0	22.0	19.5	17.0	14.0	11.0	8.0	5.0
-3.75°	29.9	28.0	26.0	24.0	22.0	19.5	17.0	14.0	11.0	8.0	5.0
-5°	29.9	27.9	25.9	23.9	21.9	19.4	16.9	13.9	11.0	8.0	5.0
-6.25°	29.9	27.9	25.9	23.9	21.9	19.4	16.9	13.9	10.9	7.9	5.0
-7.5°	29.8	27.8	25.8	23.8	21.8	19.3	16.8	13.9	10.9	7.9	5.0
-8.75°	29.7	27.7	25.8	23.8	21.8	19.3	16.8	13.8	10.9	7.9	4.9
-10°	29.6	27.7	25.7	23.7	21.7	19.2	16.7	13.8	10.8	7.9	4.9
-11.25°	29.5	27.6	25.6	23.6	21.6	19.2	16.7	13.7	10.8	7.8	4.9
-12.5°	29.4	27.5	25.5	23.6	21.5	19.1	16.6	13.6	10.7	7.8	4.9
-13.75°	29.3	27.4	25.4	23.5	21.4	19.0	16.5	13.6	10.7	7.7	4.9
-15°	29.2	27.2	25.3	23.4	21.3	18.9	16.4	13.5	10.6	7.7	4.8
-16.25°	29.0	27.1	25.2	23.3	21.2	18.8	16.3	13.4	10.5	7.6	4.8
-17.5°	28.9	27.0	25.1	23.2	21.1	18.7	16.2	13.3	10.4	7.6	4.8
-18.75°	28.7	26.8	24.9	23.0	20.9	18.6	16.0	13.2	10.4	7.5	4.7
-20°	28.5	26.6	24.8	22.9	20.8	18.4	15.9	13.1	10.3	7.5	4.7
-21.25°	28.3	26.5	24.6	22.8	20.6	18.3	15.8	13.0	10.2	7.4	4.7



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	28.1	26.3	24.5	22.6	20.5	18.2	15.6	12.9	10.1	7.3	4.6
-23.75°	27.9	26.1	24.3	22.5	20.3	18.0	15.5	12.7	10.0	7.2	4.6
-25°	27.7	25.9	24.1	22.3	20.1	17.8	15.3	12.6	9.9	7.2	4.5
-26.25°	27.5	25.7	23.9	22.1	19.9	17.7	15.1	12.4	9.8	7.1	4.5
-27.5°	27.2	25.5	23.7	21.9	19.7	17.5	15.0	12.3	9.6	7.0	4.4
-28.75°	27.0	25.2	23.5	21.7	19.5	17.3	14.8	12.1	9.5	6.9	4.4
-30°	26.7	25.0	23.3	21.5	19.3	17.1	14.6	12.0	9.4	6.8	4.3
-31.25°	26.5	24.8	23.1	21.2	19.1	16.9	14.4	11.8	9.3	6.7	4.3
-32.5°	26.2	24.5	22.8	20.9	18.8	16.7	14.2	11.6	9.1	6.6	4.2
-33.75°	25.9	24.2	22.6	20.7	18.6	16.4	14.0	11.5	9.0	6.5	4.2
-35°	25.6	24.0	22.3	20.4	18.4	16.2	13.7	11.3	8.8	6.4	4.1
-36.25°	25.3	23.7	22.1	20.1	18.1	15.9	13.5	11.1	8.7	6.3	4.0
-37.5°	25.0	23.4	21.8	19.8	17.8	15.6	13.3	10.9	8.5	6.1	4.0
-38.75°	24.6	23.1	21.4	19.5	17.6	15.4	13.0	10.7	8.4	6.0	3.9
-40°	24.3	22.8	21.1	19.2	17.3	15.1	12.8	10.5	8.2	5.9	3.8
-41.25°	24.0	22.5	20.7	18.9	17.0	14.8	12.5	10.3	8.0	5.8	3.8
-42.5°	23.6	22.1	20.4	18.5	16.7	14.5	12.3	10.0	7.8	5.6	3.7
-43.75°	23.2	21.8	20.0	18.2	16.3	14.1	12.0	9.8	7.7	5.5	3.6
-45°	22.9	21.4	19.6	17.9	15.9	13.8	11.7	9.6	7.5	5.4	3.5
-46.25°	22.5	20.9	19.2	17.5	15.6	13.5	11.4	9.4	7.3	5.2	3.5
-47.5°	22.1	20.5	18.8	17.1	15.2	13.2	11.1	9.1	7.1	5.1	3.4
-48.75°	21.7	20.0	18.4	16.7	14.8	12.8	10.8	8.9	6.9	4.9	3.3
-50°	21.2	19.6	18.0	16.3	14.4	12.5	10.6	8.6	6.7	4.8	3.2
-51.25°	20.6	19.1	17.6	15.8	14.0	12.1	10.2	8.4	6.5	4.7	3.1
-52.5°	20.1	18.6	17.1	15.4	13.6	11.8	9.9	8.1	6.3	4.6	3.0
-53.75°	19.6	18.2	16.6	14.9	13.1	11.4	9.6	7.9	6.1	4.4	3.0
-55°	19.1	17.7	16.1	14.4	12.7	11.0	9.3	7.6	5.9	4.3	2.9
-56.25°	18.5	17.2	15.6	13.9	12.3	10.6	9.0	7.3	5.7	4.2	2.8
-57.5°	18.0	16.6	15.0	13.4	11.8	10.3	8.7	7.0	5.4	4.0	2.7
-58.75°	17.4	16.0	14.5	12.9	11.4	9.9	8.3	6.8	5.2	3.9	2.6
-60°	16.8	15.4	13.9	12.4	11.0	9.5	8.0	6.5	5.0	3.7	2.5
-61.25°	16.2	14.8	13.3	11.9	10.5	9.1	7.6	6.2	4.8	3.6	2.4
-62.5°	15.5	14.1	12.8	11.4	10.0	8.7	7.3	5.9	4.6	3.5	2.3
-63.75°	14.8	13.5	12.2	10.9	9.6	8.3	6.9	5.6	4.4	3.3	2.2
-65°	14.1	12.8	11.6	10.4	9.1	7.8	6.6	5.3	4.2	3.2	2.1
-66.25°	13.4	12.2	11.0	9.8	8.6	7.4	6.2	5.0	4.0	3.0	2.0
-67.5°	12.6	11.5	10.4	9.3	8.1	7.0	5.9	4.8	3.8	2.9	1.9
-68.75°	11.9	10.9	9.8	8.7	7.7	6.6	5.5	4.5	3.6	2.7	1.8
-70°	11.2	10.2	9.2	8.2	7.2	6.2	5.1	4.3	3.4	2.6	1.7
-71.25°	10.5	9.5	8.6	7.6	6.7	5.7	4.8	4.0	3.2	2.4	1.6
-72.5°	9.7	8.8	8.0	7.1	6.2	5.3	4.5	3.8	3.0	2.3	1.5
-73.75°	9.0	8.2	7.3	6.5	5.7	4.9	4.2	3.5	2.8	2.1	1.4
-75°	8.2	7.5	6.7	5.9	5.2	4.5	3.9	3.2	2.6	1.9	1.3
-76.25°	7.5	6.8	6.1	5.4	4.7	4.1	3.6	3.0	2.4	1.8	1.2
-77.5°	6.7	6.1	5.4	4.8	4.3	3.8	3.2	2.7	2.2	1.6	1.1



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-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°	5.9	5.4	4.8	4.4	3.9	3.4	2.9	2.4	1.9	1.5	1.0
-80°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.2	1.7	1.3	0.9
-81.25°	4.5	4.1	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
-82.5°	3.9	3.6	3.2	2.9	2.6	2.3	2.0	1.6	1.3	1.0	0.7
-83.75°	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.4	1.1	0.8	0.5
-85°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
-86.25°	1.9	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.7	0.5	0.3
-87.5°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.5	0.4	0.3	0.2
-88.75°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	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: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	2.1	0.0
32.5°	2.1	0.0
31.25°	2.1	0.0
30°	2.2	0.0
28.75°	2.2	0.0
27.5°	2.2	0.0
26.25°	2.2	0.0
25°	2.3	0.0
23.75°	2.3	0.0
22.5°	2.3	0.0
21.25°	2.3	0.0
20°	2.3	0.0
18.75°	2.4	0.0
17.5°	2.4	0.0
16.25°	2.4	0.0
15°	2.4	0.0
13.75°	2.4	0.0
12.5°	2.4	0.0
11.25°	2.5	0.0
10°	2.5	0.0
8.75°	2.5	0.0
7.5°	2.5	0.0
6.25°	2.5	0.0
5°	2.5	0.0
3.75°	2.5	0.0
2.5°	2.5	0.0
1.25°	2.5	0.0
0°	2.5	0.0
-1.25°	2.5	0.0
-2.5°	2.5	0.0
-3.75°	2.5	0.0
-5°	2.5	0.0
-6.25°	2.5	0.0
-7.5°	2.5	0.0
-8.75°	2.5	0.0
-10°	2.5	0.0
-11.25°	2.5	0.0
-12.5°	2.4	0.0
-13.75°	2.4	0.0
-15°	2.4	0.0
-16.25°	2.4	0.0
-17.5°	2.4	0.0
-18.75°	2.4	0.0
-20°	2.3	0.0
-21.25°	2.3	0.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	2.3	0.0
-23.75°	2.3	0.0
-25°	2.3	0.0
-26.25°	2.2	0.0
-27.5°	2.2	0.0
-28.75°	2.2	0.0
-30°	2.2	0.0
-31.25°	2.1	0.0
-32.5°	2.1	0.0
-33.75°	2.1	0.0
-35°	2.0	0.0
-36.25°	2.0	0.0
-37.5°	2.0	0.0
-38.75°	1.9	0.0
-40°	1.9	0.0
-41.25°	1.9	0.0
-42.5°	1.8	0.0
-43.75°	1.8	0.0
-45°	1.8	0.0
-46.25°	1.7	0.0
-47.5°	1.7	0.0
-48.75°	1.6	0.0
-50°	1.6	0.0
-51.25°	1.6	0.0
-52.5°	1.5	0.0
-53.75°	1.5	0.0
-55°	1.4	0.0
-56.25°	1.4	0.0
-57.5°	1.3	0.0
-58.75°	1.3	0.0
-60°	1.2	0.0
-61.25°	1.2	0.0
-62.5°	1.2	0.0
-63.75°	1.1	0.0
-65°	1.1	0.0
-66.25°	1.0	0.0
-67.5°	1.0	0.0
-68.75°	0.9	0.0
-70°	0.9	0.0
-71.25°	0.8	0.0
-72.5°	0.8	0.0
-73.75°	0.7	0.0
-75°	0.6	0.0
-76.25°	0.6	0.0
-77.5°	0.5	0.0



REPORT NUMBER: P29471 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)