

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: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

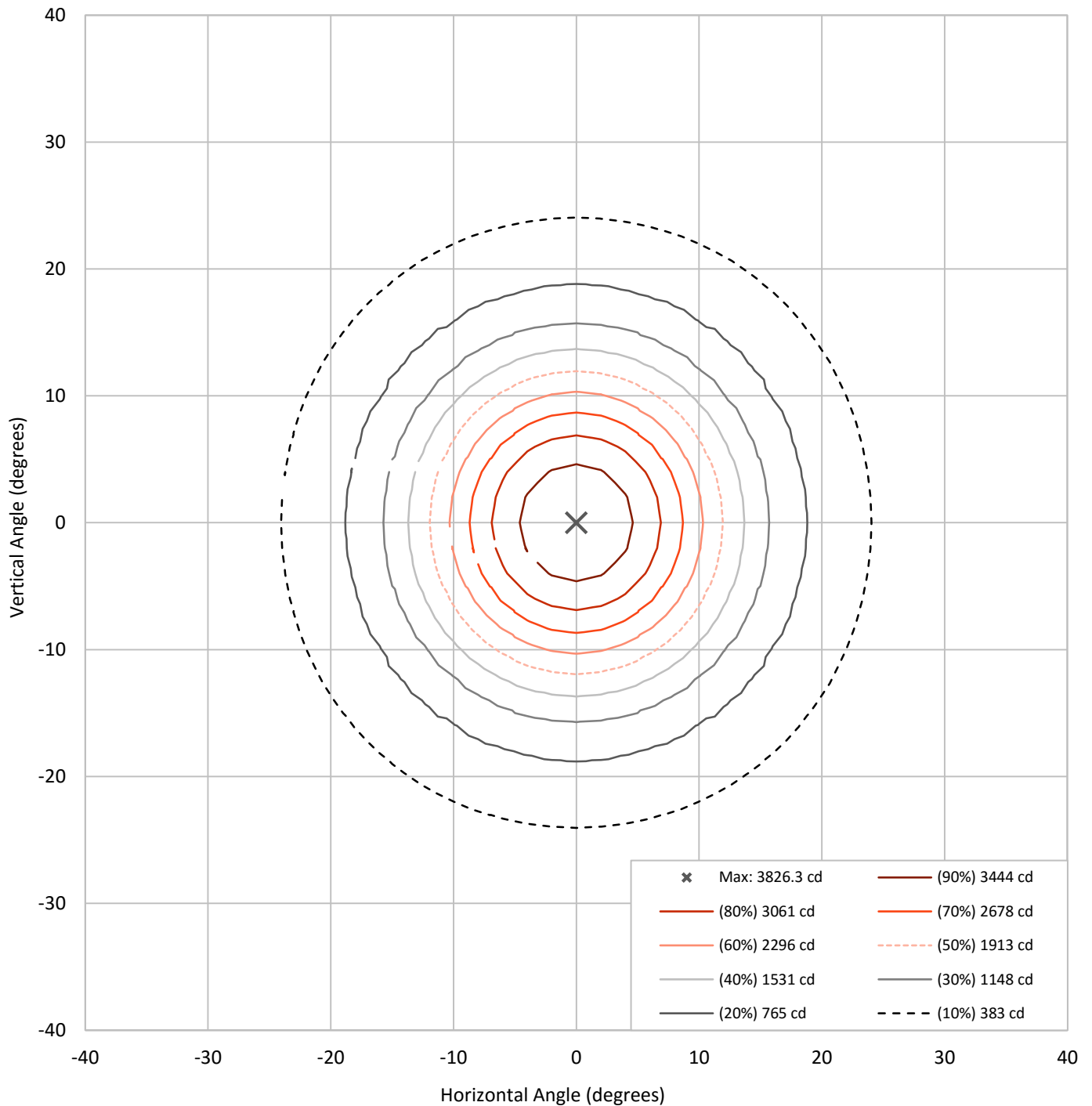
Test Method: LM-79-08
Report Number: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	937.1 lumens	Max Intensity:	3826.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	95.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.9°H x 23.9°V	Field Angle (10%):	48.1°H x 48.1°V
Beam Lumens:	373.8 lumens	Field Lumens:	735.1 lumens
Beam Efficiency:	39.9%	Field Efficiency:	78.4%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

Iso-Candela Plot





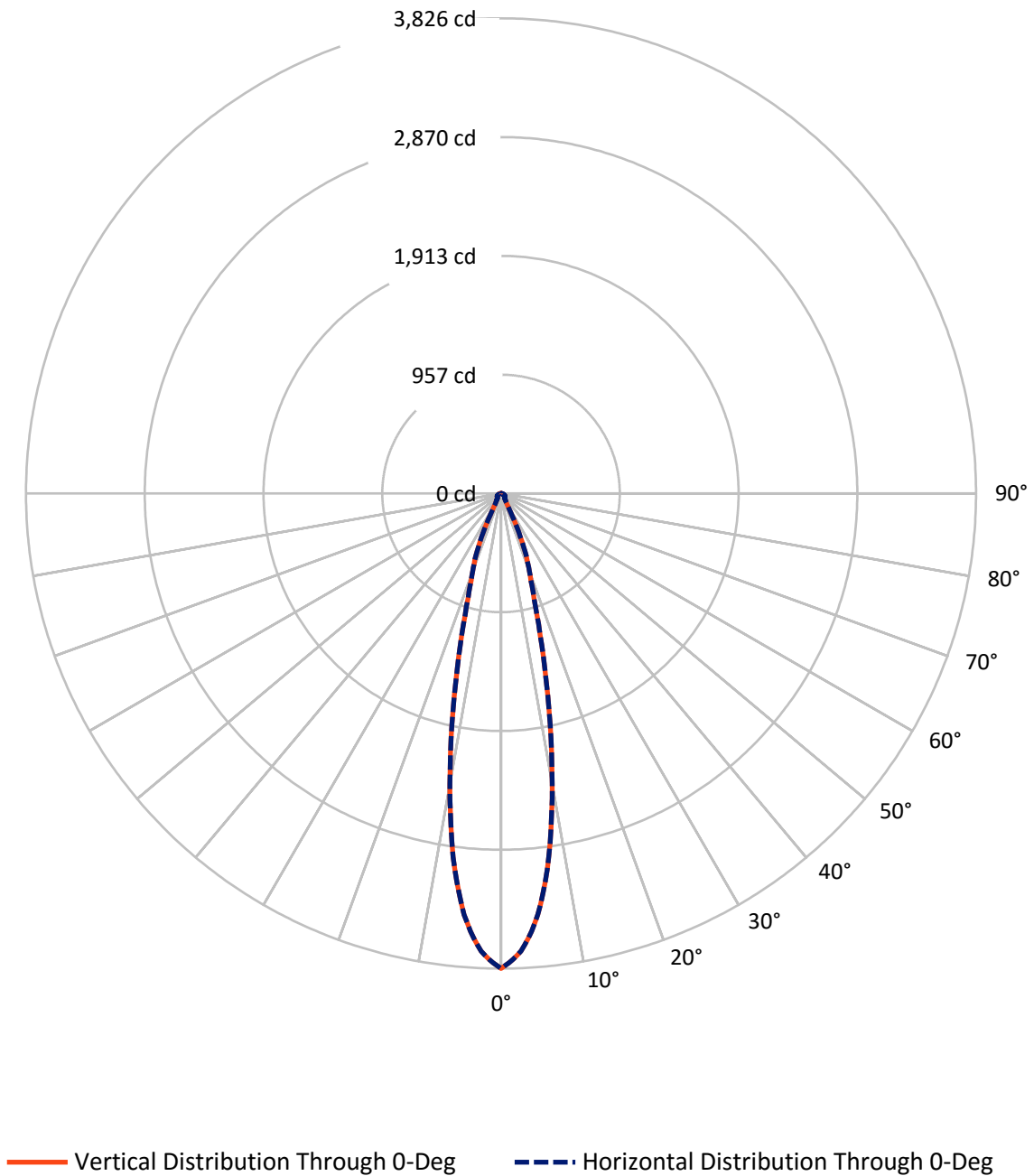
REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

Lumen Table

90	0.0	0.3	0.6	0.9	1.0	0.9	0.6	0.3	0.0										
80	0.0	0.3	0.6	0.9	1.0	0.9	0.6	0.3	0.0										
70	0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.1			
60		0.2	0.3	0.5	0.8	0.9	1.1	1.1	1.1	1.1	0.9	0.8	0.5	0.3	0.2				
50	0.2	0.2	0.4	0.7	1.0	1.1	1.2	1.3	1.3	1.2	1.1	1.0	0.7	0.4	0.2	0.2			
40		0.2	0.5	0.8	1.0	1.2	1.4	1.7	1.7	1.4	1.2	1.0	0.8	0.5	0.2				
30	0.2	0.3	0.6	0.9	1.1	1.6	4.1	8.9	8.9	4.1	1.6	1.1	0.9	0.6	0.3	0.2			
20		0.3	0.6	0.9	1.2	3.9	17.6	35.8	35.8	17.6	3.9	1.2	0.9	0.6	0.3				
10	0.2	0.3	0.7	0.9	1.4	8.2	34.9	86.1	86.1	34.9	8.2	1.4	0.9	0.7	0.3	0.2			
0		0.3	0.7	0.9	1.4	8.2	34.9	86.1	86.1	34.9	8.2	1.4	0.9	0.7	0.3				
-10	0.2	0.3	0.7	0.9	1.4	8.2	34.9	86.1	86.1	34.9	8.2	1.4	0.9	0.7	0.3	0.2			
-20		0.3	0.6	0.9	1.2	3.9	17.6	35.8	35.8	17.6	3.9	1.2	0.9	0.6	0.3				
-30	0.2	0.3	0.6	0.9	1.1	1.6	4.1	8.9	8.9	4.1	1.6	1.1	0.9	0.6	0.3	0.2			
-40		0.2	0.5	0.8	1.0	1.2	1.4	1.7	1.7	1.4	1.2	1.0	0.8	0.5	0.2				
-50	0.1	0.2	0.3	0.5	0.8	0.9	1.1	1.1	1.1	1.1	0.9	0.8	0.5	0.3	0.2	0.1			
-60		0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.3	0.2	0.1				
-70	0.0	0.3	0.6	0.9	1.0	0.9	0.6	0.3	0.0							0.0			
-80		0.3	0.6	0.9	1.0	0.9	0.6	0.3	0.0										
-90	0.0	0.3	0.6	0.9	1.0	0.9	0.6	0.3	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

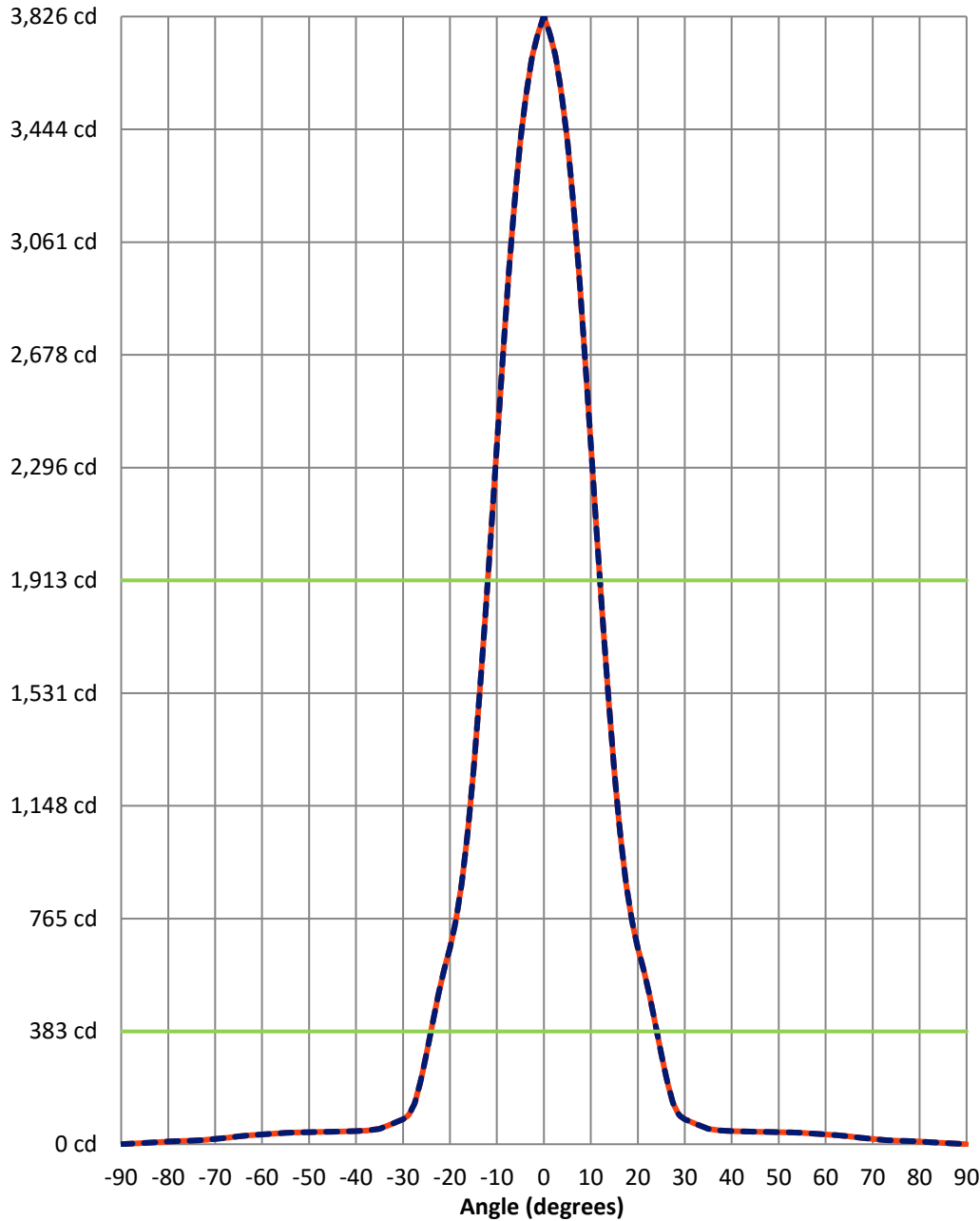
REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 23.9°
 V Angle: 23.9°
 Lumens: 373.8
 Efficiency: 39.9%

Field:
 H Angle: 48.1°
 V Angle: 48.1°
 Lumens: 735.1
 Efficiency: 78.4%

Spill:
 Lumens: 202
 Efficiency: 21.6%

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



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-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	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
86.25°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
83.75°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
81.25°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
80°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
78.75°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
77.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
76.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
75°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
72.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.2
71.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.1	3.5
70°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.0	3.3	3.7
68.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	3.9
67.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
66.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
65°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.6	4.1	4.5
63.75°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.3	3.8	4.3	4.7
62.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
61.25°	0.0	0.5	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.2
60°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	5.4
58.75°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.4	5.0	5.6
57.5°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.0	4.6	5.2	5.8
56.25°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
55°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.6	6.2
53.75°	0.0	0.7	1.3	2.0	2.6	3.2	3.8	4.4	5.1	5.7	6.4
52.5°	0.0	0.7	1.3	2.0	2.7	3.3	3.9	4.6	5.2	5.9	6.6
51.25°	0.0	0.7	1.4	2.1	2.7	3.4	4.0	4.7	5.4	6.1	6.8
50°	0.0	0.7	1.4	2.1	2.8	3.5	4.1	4.8	5.5	6.2	7.0
48.75°	0.0	0.7	1.5	2.2	2.9	3.6	4.2	5.0	5.7	6.4	7.3
47.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.4	5.1	5.8	6.6	7.5
46.25°	0.0	0.8	1.5	2.3	3.0	3.7	4.5	5.2	6.0	6.8	7.7
45°	0.0	0.8	1.6	2.3	3.1	3.8	4.6	5.3	6.1	7.0	7.9
43.75°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.5	6.2	7.1	8.1
42.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.3	8.3
41.25°	0.0	0.8	1.7	2.5	3.3	4.0	4.9	5.7	6.5	7.5	8.5
40°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.8	6.7	7.7	8.7
38.75°	0.0	0.9	1.7	2.6	3.4	4.2	5.0	5.9	6.8	7.9	8.9
37.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.0	7.0	8.0	9.1
36.25°	0.0	0.9	1.8	2.6	3.5	4.3	5.2	6.1	7.1	8.2	9.2
35°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.2	7.2	8.3	9.3



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.4	8.5	9.4
32.5°	0.0	0.9	1.9	2.8	3.6	4.5	5.5	6.4	7.5	8.6	9.5
31.25°	0.0	0.9	1.9	2.8	3.7	4.6	5.5	6.5	7.6	8.8	9.6
30°	0.0	1.0	1.9	2.8	3.7	4.7	5.6	6.6	7.7	8.9	9.7
28.75°	0.0	1.0	1.9	2.9	3.8	4.7	5.7	6.7	7.9	9.0	9.8
27.5°	0.0	1.0	2.0	2.9	3.8	4.8	5.8	6.8	8.0	9.2	9.9
26.25°	0.0	1.0	2.0	2.9	3.9	4.8	5.8	6.9	8.1	9.2	10.0
25°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	7.0	8.2	9.3	10.0
23.75°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	7.0	8.3	9.4	10.1
22.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.1	8.4	9.4	10.2
21.25°	0.0	1.0	2.1	3.0	4.0	5.0	6.0	7.2	8.5	9.5	10.2
20°	0.0	1.0	2.1	3.1	4.0	5.1	6.1	7.3	8.5	9.6	10.3
18.75°	0.0	1.0	2.1	3.1	4.1	5.1	6.1	7.3	8.6	9.6	10.4
17.5°	0.0	1.0	2.1	3.1	4.1	5.1	6.2	7.4	8.7	9.7	10.4
16.25°	0.0	1.1	2.1	3.1	4.1	5.2	6.2	7.5	8.8	9.7	10.5
15°	0.0	1.1	2.1	3.1	4.2	5.2	6.3	7.5	8.8	9.8	10.5
13.75°	0.0	1.1	2.1	3.2	4.2	5.2	6.3	7.6	8.9	9.8	10.6
12.5°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.6	8.9	9.8	10.6
11.25°	0.0	1.1	2.2	3.2	4.2	5.3	6.4	7.7	9.0	9.9	10.6
10°	0.0	1.1	2.2	3.2	4.2	5.3	6.4	7.7	9.0	9.9	10.7
8.75°	0.0	1.1	2.2	3.2	4.3	5.3	6.4	7.7	9.1	9.9	10.7
7.5°	0.0	1.1	2.2	3.2	4.3	5.4	6.4	7.8	9.1	9.9	10.7
6.25°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.1	10.0	10.8
5°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.2	10.0	10.8
3.75°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.2	10.0	10.8
2.5°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.2	10.0	10.8
1.25°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.2	10.0	10.8
0°	0.0	1.1	2.2	3.3	4.3	5.4	6.5	7.9	9.2	10.0	10.8
-1.25°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.2	10.0	10.8
-2.5°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.2	10.0	10.8
-3.75°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.2	10.0	10.8
-5°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.2	10.0	10.8
-6.25°	0.0	1.1	2.2	3.2	4.3	5.4	6.5	7.8	9.1	10.0	10.8
-7.5°	0.0	1.1	2.2	3.2	4.3	5.4	6.4	7.8	9.1	9.9	10.7
-8.75°	0.0	1.1	2.2	3.2	4.3	5.3	6.4	7.7	9.1	9.9	10.7
-10°	0.0	1.1	2.2	3.2	4.2	5.3	6.4	7.7	9.0	9.9	10.7
-11.25°	0.0	1.1	2.2	3.2	4.2	5.3	6.4	7.7	9.0	9.9	10.6
-12.5°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.6	8.9	9.8	10.6
-13.75°	0.0	1.1	2.1	3.2	4.2	5.2	6.3	7.6	8.9	9.8	10.6
-15°	0.0	1.1	2.1	3.1	4.2	5.2	6.3	7.5	8.8	9.8	10.5
-16.25°	0.0	1.1	2.1	3.1	4.1	5.2	6.2	7.5	8.8	9.7	10.5
-17.5°	0.0	1.0	2.1	3.1	4.1	5.1	6.2	7.4	8.7	9.7	10.4
-18.75°	0.0	1.0	2.1	3.1	4.1	5.1	6.1	7.3	8.6	9.6	10.4
-20°	0.0	1.0	2.1	3.1	4.0	5.1	6.1	7.3	8.5	9.6	10.3
-21.25°	0.0	1.0	2.1	3.0	4.0	5.0	6.0	7.2	8.5	9.5	10.2



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.1	8.4	9.4	10.2
-23.75°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	7.0	8.3	9.4	10.1
-25°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	7.0	8.2	9.3	10.0
-26.25°	0.0	1.0	2.0	2.9	3.9	4.8	5.8	6.9	8.1	9.2	10.0
-27.5°	0.0	1.0	2.0	2.9	3.8	4.8	5.8	6.8	8.0	9.2	9.9
-28.75°	0.0	1.0	1.9	2.9	3.8	4.7	5.7	6.7	7.9	9.0	9.8
-30°	0.0	1.0	1.9	2.8	3.7	4.7	5.6	6.6	7.7	8.9	9.7
-31.25°	0.0	0.9	1.9	2.8	3.7	4.6	5.5	6.5	7.6	8.8	9.6
-32.5°	0.0	0.9	1.9	2.8	3.6	4.5	5.5	6.4	7.5	8.6	9.5
-33.75°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.4	8.5	9.4
-35°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.2	7.2	8.3	9.3
-36.25°	0.0	0.9	1.8	2.6	3.5	4.3	5.2	6.1	7.1	8.2	9.2
-37.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.0	7.0	8.0	9.1
-38.75°	0.0	0.9	1.7	2.6	3.4	4.2	5.0	5.9	6.8	7.9	8.9
-40°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.8	6.7	7.7	8.7
-41.25°	0.0	0.8	1.7	2.5	3.3	4.0	4.9	5.7	6.5	7.5	8.5
-42.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.3	8.3
-43.75°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.5	6.2	7.1	8.1
-45°	0.0	0.8	1.6	2.3	3.1	3.8	4.6	5.3	6.1	7.0	7.9
-46.25°	0.0	0.8	1.5	2.3	3.0	3.7	4.5	5.2	6.0	6.8	7.7
-47.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.4	5.1	5.8	6.6	7.5
-48.75°	0.0	0.7	1.5	2.2	2.9	3.6	4.2	5.0	5.7	6.4	7.3
-50°	0.0	0.7	1.4	2.1	2.8	3.5	4.1	4.8	5.5	6.2	7.0
-51.25°	0.0	0.7	1.4	2.1	2.7	3.4	4.0	4.7	5.4	6.1	6.8
-52.5°	0.0	0.7	1.3	2.0	2.7	3.3	3.9	4.6	5.2	5.9	6.6
-53.75°	0.0	0.7	1.3	2.0	2.6	3.2	3.8	4.4	5.1	5.7	6.4
-55°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.6	6.2
-56.25°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
-57.5°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.0	4.6	5.2	5.8
-58.75°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.4	5.0	5.6
-60°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	5.4
-61.25°	0.0	0.5	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.2
-62.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
-63.75°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.3	3.8	4.3	4.7
-65°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.6	4.1	4.5
-66.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
-67.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-68.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	3.9
-70°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.0	3.3	3.7
-71.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.1	3.5
-72.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.2
-73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-75°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-76.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
-77.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-80°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
-81.25°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
-82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
-83.75°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-86.25°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
-88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
87.5°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
86.25°	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
85°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9
83.75°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
82.5°	1.6	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.6	2.8	2.9
81.25°	1.8	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.3
80°	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8
78.75°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3
77.5°	2.6	2.8	3.0	3.2	3.5	3.7	3.9	4.1	4.3	4.5	4.7
76.25°	2.8	3.1	3.3	3.5	3.8	4.0	4.3	4.5	4.7	5.0	5.2
75°	3.1	3.3	3.6	3.8	4.1	4.4	4.6	4.9	5.2	5.4	5.7
73.75°	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9	6.2
72.5°	3.5	3.8	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.7
71.25°	3.8	4.1	4.4	4.8	5.1	5.5	5.8	6.1	6.4	6.8	7.2
70°	4.0	4.4	4.7	5.1	5.5	5.8	6.2	6.5	7.0	7.4	7.8
68.75°	4.3	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.5	7.9	8.4
67.5°	4.5	4.9	5.3	5.7	6.1	6.5	7.0	7.5	8.0	8.5	8.9
66.25°	4.7	5.2	5.6	6.0	6.4	7.0	7.5	8.0	8.5	9.0	9.4
65°	5.0	5.4	5.9	6.3	6.8	7.4	7.9	8.5	9.0	9.4	9.7
63.75°	5.2	5.7	6.2	6.7	7.2	7.8	8.4	8.9	9.4	9.7	10.0
62.5°	5.4	5.9	6.4	7.0	7.6	8.2	8.8	9.3	9.7	10.0	10.3
61.25°	5.7	6.2	6.8	7.4	8.0	8.6	9.2	9.6	9.9	10.3	10.7
60°	5.9	6.4	7.1	7.7	8.4	9.0	9.5	9.9	10.2	10.6	10.9
58.75°	6.1	6.7	7.4	8.1	8.8	9.3	9.7	10.1	10.5	10.9	11.1
57.5°	6.4	7.0	7.7	8.4	9.1	9.6	10.0	10.4	10.8	11.1	11.3
56.25°	6.6	7.3	8.1	8.8	9.4	9.8	10.2	10.7	11.0	11.3	11.6
55°	6.9	7.6	8.4	9.1	9.6	10.0	10.5	10.9	11.2	11.5	11.8
53.75°	7.1	7.9	8.7	9.4	9.8	10.3	10.7	11.1	11.4	11.7	12.0
52.5°	7.4	8.2	9.0	9.6	10.0	10.5	10.9	11.2	11.5	11.9	12.4
51.25°	7.6	8.5	9.3	9.7	10.2	10.7	11.1	11.4	11.7	12.2	12.8
50°	7.9	8.7	9.4	9.9	10.4	10.9	11.2	11.6	11.9	12.6	13.2
48.75°	8.1	9.0	9.6	10.1	10.6	11.0	11.4	11.7	12.3	12.9	13.6
47.5°	8.4	9.2	9.8	10.3	10.8	11.2	11.5	11.9	12.6	13.3	14.0
46.25°	8.6	9.4	9.9	10.5	11.0	11.3	11.7	12.2	12.9	13.7	14.6
45°	8.8	9.5	10.1	10.7	11.1	11.5	11.8	12.5	13.3	14.0	15.2
43.75°	9.1	9.7	10.3	10.8	11.2	11.6	12.1	12.8	13.6	14.5	15.8
42.5°	9.3	9.8	10.4	10.9	11.3	11.7	12.3	13.1	13.9	15.1	16.4
41.25°	9.4	10.0	10.6	11.0	11.5	11.9	12.6	13.4	14.3	15.7	17.0
40°	9.5	10.1	10.7	11.2	11.6	12.1	12.9	13.7	14.8	16.2	17.6
38.75°	9.6	10.3	10.8	11.3	11.7	12.3	13.1	14.0	15.3	16.8	18.2
37.5°	9.8	10.4	10.9	11.4	11.8	12.6	13.4	14.4	15.8	17.3	18.7
36.25°	9.9	10.5	11.0	11.5	11.9	12.8	13.7	14.8	16.3	17.8	19.3
35°	10.0	10.6	11.1	11.6	12.1	13.0	13.9	15.3	16.8	18.3	19.8



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	10.1	10.8	11.2	11.7	12.3	13.2	14.2	15.7	17.2	18.8	20.3
32.5°	10.2	10.8	11.3	11.8	12.5	13.5	14.6	16.1	17.7	19.2	20.8
31.25°	10.3	10.9	11.4	11.9	12.7	13.7	14.9	16.5	18.1	19.7	21.3
30°	10.4	11.0	11.5	12.0	12.9	13.9	15.3	16.9	18.5	20.1	21.7
28.75°	10.5	11.1	11.5	12.2	13.1	14.1	15.7	17.3	18.9	20.6	22.3
27.5°	10.6	11.1	11.6	12.3	13.3	14.3	16.0	17.7	19.3	21.0	22.9
26.25°	10.7	11.2	11.7	12.5	13.4	14.7	16.3	18.0	19.7	21.4	23.4
25°	10.8	11.3	11.8	12.6	13.6	14.9	16.6	18.3	20.0	21.7	23.9
23.75°	10.8	11.3	11.8	12.8	13.8	15.2	16.9	18.7	20.4	22.2	24.4
22.5°	10.9	11.4	11.9	12.9	13.9	15.5	17.2	19.0	20.7	22.6	24.9
21.25°	10.9	11.4	12.0	13.0	14.0	15.8	17.5	19.3	21.0	23.1	25.3
20°	11.0	11.5	12.1	13.1	14.2	16.0	17.8	19.5	21.3	23.5	25.7
18.75°	11.0	11.5	12.2	13.3	14.4	16.2	18.0	19.8	21.6	23.8	26.1
17.5°	11.1	11.6	12.3	13.4	14.6	16.4	18.2	20.0	21.9	24.2	26.5
16.25°	11.1	11.6	12.4	13.5	14.8	16.6	18.5	20.3	22.2	24.5	26.8
15°	11.1	11.7	12.5	13.6	15.0	16.8	18.6	20.5	22.5	24.8	27.0
13.75°	11.2	11.7	12.6	13.6	15.2	17.0	18.8	20.7	22.7	25.1	27.3
12.5°	11.2	11.7	12.7	13.7	15.3	17.1	19.0	20.8	23.0	25.4	27.5
11.25°	11.2	11.8	12.7	13.8	15.4	17.3	19.2	21.0	23.2	25.6	27.7
10°	11.3	11.8	12.8	13.9	15.6	17.4	19.3	21.2	23.4	25.8	27.8
8.75°	11.3	11.8	12.8	13.9	15.7	17.5	19.4	21.3	23.6	26.0	28.0
7.5°	11.3	11.8	12.9	14.0	15.7	17.6	19.5	21.4	23.7	26.2	28.1
6.25°	11.3	11.9	12.9	14.0	15.8	17.7	19.6	21.5	23.9	26.3	28.2
5°	11.3	11.9	12.9	14.0	15.9	17.8	19.7	21.6	24.0	26.4	28.3
3.75°	11.3	11.9	13.0	14.1	15.9	17.8	19.7	21.6	24.0	26.5	28.4
2.5°	11.3	11.9	13.0	14.1	16.0	17.9	19.8	21.7	24.1	26.6	28.5
1.25°	11.3	11.9	13.0	14.1	16.0	17.9	19.8	21.7	24.1	26.6	28.5
0°	11.4	11.9	13.0	14.1	16.0	17.9	19.8	21.7	24.2	26.6	28.5
-1.25°	11.3	11.9	13.0	14.1	16.0	17.9	19.8	21.7	24.1	26.6	28.5
-2.5°	11.3	11.9	13.0	14.1	16.0	17.9	19.8	21.7	24.1	26.6	28.5
-3.75°	11.3	11.9	13.0	14.1	15.9	17.8	19.7	21.6	24.0	26.5	28.4
-5°	11.3	11.9	12.9	14.0	15.9	17.8	19.7	21.6	24.0	26.4	28.3
-6.25°	11.3	11.9	12.9	14.0	15.8	17.7	19.6	21.5	23.9	26.3	28.2
-7.5°	11.3	11.8	12.9	14.0	15.7	17.6	19.5	21.4	23.7	26.2	28.1
-8.75°	11.3	11.8	12.8	13.9	15.7	17.5	19.4	21.3	23.6	26.0	28.0
-10°	11.3	11.8	12.8	13.9	15.6	17.4	19.3	21.2	23.4	25.8	27.8
-11.25°	11.2	11.8	12.7	13.8	15.4	17.3	19.2	21.0	23.2	25.6	27.7
-12.5°	11.2	11.7	12.7	13.7	15.3	17.1	19.0	20.8	23.0	25.4	27.5
-13.75°	11.2	11.7	12.6	13.6	15.2	17.0	18.8	20.7	22.7	25.1	27.3
-15°	11.1	11.7	12.5	13.6	15.0	16.8	18.6	20.5	22.5	24.8	27.0
-16.25°	11.1	11.6	12.4	13.5	14.8	16.6	18.5	20.3	22.2	24.5	26.8
-17.5°	11.1	11.6	12.3	13.4	14.6	16.4	18.2	20.0	21.9	24.2	26.5
-18.75°	11.0	11.5	12.2	13.3	14.4	16.2	18.0	19.8	21.6	23.8	26.1
-20°	11.0	11.5	12.1	13.1	14.2	16.0	17.8	19.5	21.3	23.5	25.7
-21.25°	10.9	11.4	12.0	13.0	14.0	15.8	17.5	19.3	21.0	23.1	25.3



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	10.9	11.4	11.9	12.9	13.9	15.5	17.2	19.0	20.7	22.6	24.9
-23.75°	10.8	11.3	11.8	12.8	13.8	15.2	16.9	18.7	20.4	22.2	24.4
-25°	10.8	11.3	11.8	12.6	13.6	14.9	16.6	18.3	20.0	21.7	23.9
-26.25°	10.7	11.2	11.7	12.5	13.4	14.7	16.3	18.0	19.7	21.4	23.4
-27.5°	10.6	11.1	11.6	12.3	13.3	14.3	16.0	17.7	19.3	21.0	22.9
-28.75°	10.5	11.1	11.5	12.2	13.1	14.1	15.7	17.3	18.9	20.6	22.3
-30°	10.4	11.0	11.5	12.0	12.9	13.9	15.3	16.9	18.5	20.1	21.7
-31.25°	10.3	10.9	11.4	11.9	12.7	13.7	14.9	16.5	18.1	19.7	21.3
-32.5°	10.2	10.8	11.3	11.8	12.5	13.5	14.6	16.1	17.7	19.2	20.8
-33.75°	10.1	10.8	11.2	11.7	12.3	13.2	14.2	15.7	17.2	18.8	20.3
-35°	10.0	10.6	11.1	11.6	12.1	13.0	13.9	15.3	16.8	18.3	19.8
-36.25°	9.9	10.5	11.0	11.5	11.9	12.8	13.7	14.8	16.3	17.8	19.3
-37.5°	9.8	10.4	10.9	11.4	11.8	12.6	13.4	14.4	15.8	17.3	18.7
-38.75°	9.6	10.3	10.8	11.3	11.7	12.3	13.1	14.0	15.3	16.8	18.2
-40°	9.5	10.1	10.7	11.2	11.6	12.1	12.9	13.7	14.8	16.2	17.6
-41.25°	9.4	10.0	10.6	11.0	11.5	11.9	12.6	13.4	14.3	15.7	17.0
-42.5°	9.3	9.8	10.4	10.9	11.3	11.7	12.3	13.1	13.9	15.1	16.4
-43.75°	9.1	9.7	10.3	10.8	11.2	11.6	12.1	12.8	13.6	14.5	15.8
-45°	8.8	9.5	10.1	10.7	11.1	11.5	11.8	12.5	13.3	14.0	15.2
-46.25°	8.6	9.4	9.9	10.5	11.0	11.3	11.7	12.2	12.9	13.7	14.6
-47.5°	8.4	9.2	9.8	10.3	10.8	11.2	11.5	11.9	12.6	13.3	14.0
-48.75°	8.1	9.0	9.6	10.1	10.6	11.0	11.4	11.7	12.3	12.9	13.6
-50°	7.9	8.7	9.4	9.9	10.4	10.9	11.2	11.6	11.9	12.6	13.2
-51.25°	7.6	8.5	9.3	9.7	10.2	10.7	11.1	11.4	11.7	12.2	12.8
-52.5°	7.4	8.2	9.0	9.6	10.0	10.5	10.9	11.2	11.5	11.9	12.4
-53.75°	7.1	7.9	8.7	9.4	9.8	10.3	10.7	11.1	11.4	11.7	12.0
-55°	6.9	7.6	8.4	9.1	9.6	10.0	10.5	10.9	11.2	11.5	11.8
-56.25°	6.6	7.3	8.1	8.8	9.4	9.8	10.2	10.7	11.0	11.3	11.6
-57.5°	6.4	7.0	7.7	8.4	9.1	9.6	10.0	10.4	10.8	11.1	11.3
-58.75°	6.1	6.7	7.4	8.1	8.8	9.3	9.7	10.1	10.5	10.9	11.1
-60°	5.9	6.4	7.1	7.7	8.4	9.0	9.5	9.9	10.2	10.6	10.9
-61.25°	5.7	6.2	6.8	7.4	8.0	8.6	9.2	9.6	9.9	10.3	10.7
-62.5°	5.4	5.9	6.4	7.0	7.6	8.2	8.8	9.3	9.7	10.0	10.3
-63.75°	5.2	5.7	6.2	6.7	7.2	7.8	8.4	8.9	9.4	9.7	10.0
-65°	5.0	5.4	5.9	6.3	6.8	7.4	7.9	8.5	9.0	9.4	9.7
-66.25°	4.7	5.2	5.6	6.0	6.4	7.0	7.5	8.0	8.5	9.0	9.4
-67.5°	4.5	4.9	5.3	5.7	6.1	6.5	7.0	7.5	8.0	8.5	8.9
-68.75°	4.3	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.5	7.9	8.4
-70°	4.0	4.4	4.7	5.1	5.5	5.8	6.2	6.5	7.0	7.4	7.8
-71.25°	3.8	4.1	4.4	4.8	5.1	5.5	5.8	6.1	6.4	6.8	7.2
-72.5°	3.5	3.8	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.7
-73.75°	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9	6.2
-75°	3.1	3.3	3.6	3.8	4.1	4.4	4.6	4.9	5.2	5.4	5.7
-76.25°	2.8	3.1	3.3	3.5	3.8	4.0	4.3	4.5	4.7	5.0	5.2
-77.5°	2.6	2.8	3.0	3.2	3.5	3.7	3.9	4.1	4.3	4.5	4.7



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3
-80°	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8
-81.25°	1.8	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.3
-82.5°	1.6	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.6	2.8	2.9
-83.75°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-85°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9
-86.25°	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
-87.5°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
-88.75°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	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: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
87.5°	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
86.25°	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1
85°	2.0	2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8
83.75°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
82.5°	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1
81.25°	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.8
80°	4.0	4.1	4.3	4.4	4.6	4.8	4.9	5.1	5.2	5.4	5.5
78.75°	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.2
77.5°	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
76.25°	5.4	5.7	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9
75°	5.9	6.2	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.7
73.75°	6.4	6.8	7.1	7.4	7.7	8.1	8.4	8.7	9.0	9.3	9.4
72.5°	7.0	7.4	7.7	8.1	8.4	8.8	9.1	9.4	9.6	9.7	9.9
71.25°	7.6	8.0	8.4	8.8	9.1	9.4	9.6	9.8	10.0	10.2	10.4
70°	8.2	8.6	9.0	9.3	9.6	9.8	10.0	10.3	10.5	10.7	10.9
68.75°	8.8	9.2	9.5	9.7	10.0	10.2	10.5	10.7	10.9	11.1	11.2
67.5°	9.3	9.6	9.9	10.1	10.4	10.7	10.9	11.1	11.2	11.4	11.6
66.25°	9.7	9.9	10.2	10.5	10.8	11.0	11.2	11.4	11.5	11.7	11.9
65°	10.0	10.3	10.6	10.9	11.1	11.3	11.5	11.7	11.9	12.2	12.6
63.75°	10.3	10.7	10.9	11.1	11.3	11.6	11.8	12.0	12.4	12.8	13.2
62.5°	10.7	10.9	11.2	11.4	11.6	11.8	12.2	12.6	13.1	13.5	13.9
61.25°	10.9	11.2	11.4	11.7	11.9	12.3	12.8	13.2	13.7	14.1	14.9
60°	11.2	11.4	11.7	11.9	12.4	12.9	13.4	13.8	14.4	15.2	16.0
58.75°	11.4	11.7	11.9	12.4	12.9	13.4	13.9	14.7	15.5	16.3	17.1
57.5°	11.6	11.9	12.4	12.9	13.5	14.0	14.8	15.7	16.5	17.4	18.2
56.25°	11.8	12.3	12.9	13.4	14.0	14.8	15.7	16.7	17.5	18.4	19.3
55°	12.2	12.8	13.4	13.9	14.8	15.7	16.7	17.6	18.6	19.5	20.4
53.75°	12.6	13.2	13.8	14.7	15.7	16.7	17.6	18.6	19.6	20.5	21.5
52.5°	13.1	13.7	14.4	15.5	16.5	17.5	18.6	19.6	20.6	21.5	22.7
51.25°	13.5	14.1	15.2	16.3	17.4	18.4	19.5	20.5	21.5	22.8	24.1
50°	13.9	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.7	24.1	25.4
48.75°	14.4	15.6	16.8	17.9	19.0	20.2	21.3	22.6	24.0	25.4	26.7
47.5°	15.1	16.3	17.5	18.7	19.9	21.0	22.3	23.7	25.2	26.6	27.7
46.25°	15.8	17.0	18.2	19.5	20.7	21.9	23.4	24.9	26.4	27.6	28.7
45°	16.5	17.7	19.0	20.2	21.4	22.9	24.5	26.0	27.4	28.5	29.7
43.75°	17.1	18.4	19.7	21.0	22.4	24.0	25.6	27.0	28.3	29.5	30.6
42.5°	17.8	19.1	20.4	21.7	23.3	25.0	26.6	27.9	29.1	30.4	31.3
41.25°	18.4	19.7	21.1	22.6	24.3	26.0	27.4	28.7	30.0	31.0	31.9
40°	19.0	20.4	21.7	23.5	25.2	26.9	28.2	29.5	30.7	31.6	32.6
38.75°	19.6	21.0	22.6	24.4	26.2	27.6	29.0	30.3	31.3	32.3	33.2
37.5°	20.2	21.6	23.4	25.2	27.0	28.4	29.7	30.9	31.9	32.9	33.8
36.25°	20.7	22.3	24.2	26.1	27.6	29.1	30.5	31.5	32.5	33.4	34.4
35°	21.3	23.1	25.0	26.8	28.3	29.7	31.0	32.0	33.0	34.0	35.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	21.9	23.8	25.7	27.4	28.9	30.4	31.5	32.5	33.5	34.6	35.6
32.5°	22.5	24.5	26.5	28.0	29.6	30.9	31.9	33.0	34.1	35.1	36.2
31.25°	23.2	25.2	27.1	28.6	30.2	31.3	32.4	33.5	34.6	35.6	36.7
30°	23.8	25.8	27.6	29.2	30.6	31.8	32.9	34.0	35.1	36.2	37.2
28.75°	24.4	26.5	28.1	29.7	31.1	32.2	33.3	34.4	35.5	36.6	37.7
27.5°	25.0	27.0	28.6	30.2	31.4	32.6	33.7	34.9	36.0	37.1	38.2
26.25°	25.6	27.4	29.1	30.6	31.8	33.0	34.1	35.3	36.4	37.6	38.6
25°	26.1	27.9	29.6	31.0	32.2	33.4	34.5	35.7	36.9	38.0	38.9
23.75°	26.6	28.3	30.0	31.3	32.5	33.7	34.9	36.1	37.3	38.5	39.2
22.5°	27.0	28.7	30.4	31.6	32.8	34.1	35.3	36.5	37.7	38.7	39.4
21.25°	27.3	29.1	30.7	31.9	33.2	34.4	35.6	36.8	38.0	38.9	39.7
20°	27.7	29.4	31.0	32.2	33.5	34.7	35.9	37.2	38.4	39.2	39.9
18.75°	28.0	29.8	31.2	32.5	33.7	35.0	36.2	37.5	38.6	39.4	40.1
17.5°	28.3	30.1	31.5	32.7	34.0	35.3	36.5	37.8	38.8	39.6	40.2
16.25°	28.6	30.4	31.7	33.0	34.2	35.5	36.8	38.1	39.0	39.7	40.2
15°	28.9	30.6	31.9	33.2	34.5	35.8	37.0	38.3	39.2	39.9	40.3
13.75°	29.1	30.8	32.1	33.4	34.7	36.0	37.3	38.5	39.3	40.1	40.4
12.5°	29.3	30.9	32.3	33.6	34.9	36.2	37.5	38.7	39.4	40.1	40.4
11.25°	29.5	31.1	32.4	33.7	35.0	36.4	37.7	38.8	39.6	40.2	40.5
10°	29.7	31.2	32.6	33.9	35.2	36.5	37.8	38.9	39.7	40.2	40.5
8.75°	29.9	31.4	32.7	34.0	35.3	36.7	38.0	39.0	39.8	40.3	40.6
7.5°	30.0	31.5	32.8	34.1	35.5	36.8	38.1	39.1	39.9	40.3	40.6
6.25°	30.1	31.5	32.9	34.2	35.6	36.9	38.2	39.1	39.9	40.3	40.6
5°	30.2	31.6	33.0	34.3	35.7	37.0	38.3	39.2	40.0	40.4	40.7
3.75°	30.3	31.7	33.0	34.4	35.7	37.1	38.4	39.2	40.0	40.4	40.7
2.5°	30.4	31.7	33.1	34.4	35.8	37.1	38.5	39.3	40.1	40.4	40.7
1.25°	30.4	31.7	33.1	34.4	35.8	37.1	38.5	39.3	40.1	40.4	40.7
0°	30.4	31.8	33.1	34.5	35.8	37.2	38.5	39.3	40.1	40.4	40.7
-1.25°	30.4	31.7	33.1	34.4	35.8	37.1	38.5	39.3	40.1	40.4	40.7
-2.5°	30.4	31.7	33.1	34.4	35.8	37.1	38.5	39.3	40.1	40.4	40.7
-3.75°	30.3	31.7	33.0	34.4	35.7	37.1	38.4	39.2	40.0	40.4	40.7
-5°	30.2	31.6	33.0	34.3	35.7	37.0	38.3	39.2	40.0	40.4	40.7
-6.25°	30.1	31.5	32.9	34.2	35.6	36.9	38.2	39.1	39.9	40.3	40.6
-7.5°	30.0	31.5	32.8	34.1	35.5	36.8	38.1	39.1	39.9	40.3	40.6
-8.75°	29.9	31.4	32.7	34.0	35.3	36.7	38.0	39.0	39.8	40.3	40.6
-10°	29.7	31.2	32.6	33.9	35.2	36.5	37.8	38.9	39.7	40.2	40.5
-11.25°	29.5	31.1	32.4	33.7	35.0	36.4	37.7	38.8	39.6	40.2	40.5
-12.5°	29.3	30.9	32.3	33.6	34.9	36.2	37.5	38.7	39.4	40.1	40.4
-13.75°	29.1	30.8	32.1	33.4	34.7	36.0	37.3	38.5	39.3	40.1	40.4
-15°	28.9	30.6	31.9	33.2	34.5	35.8	37.0	38.3	39.2	39.9	40.3
-16.25°	28.6	30.4	31.7	33.0	34.2	35.5	36.8	38.1	39.0	39.7	40.2
-17.5°	28.3	30.1	31.5	32.7	34.0	35.3	36.5	37.8	38.8	39.6	40.2
-18.75°	28.0	29.8	31.2	32.5	33.7	35.0	36.2	37.5	38.6	39.4	40.1
-20°	27.7	29.4	31.0	32.2	33.5	34.7	35.9	37.2	38.4	39.2	39.9
-21.25°	27.3	29.1	30.7	31.9	33.2	34.4	35.6	36.8	38.0	38.9	39.7



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	27.0	28.7	30.4	31.6	32.8	34.1	35.3	36.5	37.7	38.7	39.4
-23.75°	26.6	28.3	30.0	31.3	32.5	33.7	34.9	36.1	37.3	38.5	39.2
-25°	26.1	27.9	29.6	31.0	32.2	33.4	34.5	35.7	36.9	38.0	38.9
-26.25°	25.6	27.4	29.1	30.6	31.8	33.0	34.1	35.3	36.4	37.6	38.6
-27.5°	25.0	27.0	28.6	30.2	31.4	32.6	33.7	34.9	36.0	37.1	38.2
-28.75°	24.4	26.5	28.1	29.7	31.1	32.2	33.3	34.4	35.5	36.6	37.7
-30°	23.8	25.8	27.6	29.2	30.6	31.8	32.9	34.0	35.1	36.2	37.2
-31.25°	23.2	25.2	27.1	28.6	30.2	31.3	32.4	33.5	34.6	35.6	36.7
-32.5°	22.5	24.5	26.5	28.0	29.6	30.9	31.9	33.0	34.1	35.1	36.2
-33.75°	21.9	23.8	25.7	27.4	28.9	30.4	31.5	32.5	33.5	34.6	35.6
-35°	21.3	23.1	25.0	26.8	28.3	29.7	31.0	32.0	33.0	34.0	35.0
-36.25°	20.7	22.3	24.2	26.1	27.6	29.1	30.5	31.5	32.5	33.4	34.4
-37.5°	20.2	21.6	23.4	25.2	27.0	28.4	29.7	30.9	31.9	32.9	33.8
-38.75°	19.6	21.0	22.6	24.4	26.2	27.6	29.0	30.3	31.3	32.3	33.2
-40°	19.0	20.4	21.7	23.5	25.2	26.9	28.2	29.5	30.7	31.6	32.6
-41.25°	18.4	19.7	21.1	22.6	24.3	26.0	27.4	28.7	30.0	31.0	31.9
-42.5°	17.8	19.1	20.4	21.7	23.3	25.0	26.6	27.9	29.1	30.4	31.3
-43.75°	17.1	18.4	19.7	21.0	22.4	24.0	25.6	27.0	28.3	29.5	30.6
-45°	16.5	17.7	19.0	20.2	21.4	22.9	24.5	26.0	27.4	28.5	29.7
-46.25°	15.8	17.0	18.2	19.5	20.7	21.9	23.4	24.9	26.4	27.6	28.7
-47.5°	15.1	16.3	17.5	18.7	19.9	21.0	22.3	23.7	25.2	26.6	27.7
-48.75°	14.4	15.6	16.8	17.9	19.0	20.2	21.3	22.6	24.0	25.4	26.7
-50°	13.9	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.7	24.1	25.4
-51.25°	13.5	14.1	15.2	16.3	17.4	18.4	19.5	20.5	21.5	22.8	24.1
-52.5°	13.1	13.7	14.4	15.5	16.5	17.5	18.6	19.6	20.6	21.5	22.7
-53.75°	12.6	13.2	13.8	14.7	15.7	16.7	17.6	18.6	19.6	20.5	21.5
-55°	12.2	12.8	13.4	13.9	14.8	15.7	16.7	17.6	18.6	19.5	20.4
-56.25°	11.8	12.3	12.9	13.4	14.0	14.8	15.7	16.7	17.5	18.4	19.3
-57.5°	11.6	11.9	12.4	12.9	13.5	14.0	14.8	15.7	16.5	17.4	18.2
-58.75°	11.4	11.7	11.9	12.4	12.9	13.4	13.9	14.7	15.5	16.3	17.1
-60°	11.2	11.4	11.7	11.9	12.4	12.9	13.4	13.8	14.4	15.2	16.0
-61.25°	10.9	11.2	11.4	11.7	11.9	12.3	12.8	13.2	13.7	14.1	14.9
-62.5°	10.7	10.9	11.2	11.4	11.6	11.8	12.2	12.6	13.1	13.5	13.9
-63.75°	10.3	10.7	10.9	11.1	11.3	11.6	11.8	12.0	12.4	12.8	13.2
-65°	10.0	10.3	10.6	10.9	11.1	11.3	11.5	11.7	11.9	12.2	12.6
-66.25°	9.7	9.9	10.2	10.5	10.8	11.0	11.2	11.4	11.5	11.7	11.9
-67.5°	9.3	9.6	9.9	10.1	10.4	10.7	10.9	11.1	11.2	11.4	11.6
-68.75°	8.8	9.2	9.5	9.7	10.0	10.2	10.5	10.7	10.9	11.1	11.2
-70°	8.2	8.6	9.0	9.3	9.6	9.8	10.0	10.3	10.5	10.7	10.9
-71.25°	7.6	8.0	8.4	8.8	9.1	9.4	9.6	9.8	10.0	10.2	10.4
-72.5°	7.0	7.4	7.7	8.1	8.4	8.8	9.1	9.4	9.6	9.7	9.9
-73.75°	6.4	6.8	7.1	7.4	7.7	8.1	8.4	8.7	9.0	9.3	9.4
-75°	5.9	6.2	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.7
-76.25°	5.4	5.7	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9
-77.5°	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.2
-80°	4.0	4.1	4.3	4.4	4.6	4.8	4.9	5.1	5.2	5.4	5.5
-81.25°	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.8
-82.5°	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1
-83.75°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
-85°	2.0	2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8
-86.25°	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1
-87.5°	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
-88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
87.5°	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
86.25°	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6
85°	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.5
83.75°	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.3
82.5°	4.2	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.2
81.25°	5.0	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.0	6.1
80°	5.7	5.8	6.0	6.1	6.2	6.4	6.5	6.7	6.8	7.0	7.1
78.75°	6.4	6.6	6.8	7.0	7.1	7.3	7.5	7.7	7.9	8.0	8.2
77.5°	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.2
76.25°	8.1	8.4	8.6	8.8	9.1	9.3	9.4	9.5	9.6	9.8	9.9
75°	9.0	9.2	9.4	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.5
73.75°	9.6	9.8	9.9	10.1	10.3	10.4	10.6	10.7	10.8	10.9	11.0
72.5°	10.1	10.3	10.5	10.7	10.8	10.9	11.0	11.2	11.3	11.4	11.5
71.25°	10.6	10.8	11.0	11.1	11.2	11.3	11.5	11.6	11.7	11.8	11.9
70°	11.0	11.2	11.3	11.5	11.6	11.7	11.9	12.1	12.3	12.6	12.8
68.75°	11.4	11.5	11.7	11.8	12.1	12.3	12.6	12.9	13.1	13.4	13.7
67.5°	11.7	11.9	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.4	14.8
66.25°	12.3	12.6	12.9	13.3	13.6	13.9	14.3	14.8	15.3	15.8	16.3
65°	12.9	13.3	13.7	14.0	14.5	15.1	15.7	16.2	16.8	17.3	17.8
63.75°	13.6	14.0	14.6	15.2	15.8	16.4	17.0	17.6	18.2	18.7	19.3
62.5°	14.4	15.1	15.8	16.5	17.1	17.8	18.4	19.0	19.6	20.2	20.7
61.25°	15.6	16.3	17.0	17.7	18.4	19.1	19.7	20.4	21.0	21.6	22.3
60°	16.8	17.5	18.2	19.0	19.7	20.4	21.1	21.7	22.6	23.4	24.2
58.75°	17.9	18.7	19.5	20.2	21.0	21.7	22.6	23.5	24.4	25.2	26.1
57.5°	19.0	19.9	20.7	21.4	22.4	23.3	24.3	25.2	26.2	27.0	27.6
56.25°	20.2	21.0	21.9	22.9	24.0	25.0	26.0	26.9	27.6	28.4	29.1
55°	21.3	22.3	23.4	24.5	25.6	26.6	27.4	28.2	29.0	29.7	30.5
53.75°	22.6	23.7	24.9	26.0	27.0	27.9	28.7	29.5	30.3	30.9	31.5
52.5°	24.0	25.2	26.4	27.4	28.3	29.1	30.0	30.7	31.3	31.9	32.5
51.25°	25.4	26.6	27.6	28.5	29.5	30.4	31.0	31.6	32.3	32.9	33.4
50°	26.7	27.7	28.7	29.7	30.6	31.3	31.9	32.6	33.2	33.8	34.4
48.75°	27.8	28.8	29.8	30.7	31.4	32.1	32.8	33.5	34.1	34.8	35.4
47.5°	28.8	29.9	30.8	31.5	32.2	33.0	33.7	34.4	35.0	35.7	36.4
46.25°	29.8	30.8	31.6	32.3	33.1	33.8	34.5	35.2	35.9	36.6	37.3
45°	30.7	31.5	32.3	33.1	33.9	34.6	35.4	36.1	36.8	37.6	38.2
43.75°	31.4	32.2	33.1	33.9	34.7	35.5	36.2	37.0	37.7	38.5	38.9
42.5°	32.1	33.0	33.8	34.6	35.5	36.3	37.1	37.8	38.6	39.0	39.4
41.25°	32.8	33.7	34.5	35.4	36.2	37.1	37.9	38.6	39.1	39.5	40.0
40°	33.5	34.4	35.2	36.1	37.0	37.8	38.6	39.1	39.6	40.1	40.3
38.75°	34.1	35.0	35.9	36.8	37.7	38.6	39.1	39.6	40.1	40.3	40.5
37.5°	34.8	35.7	36.6	37.6	38.5	39.0	39.5	40.1	40.3	40.5	40.6
36.25°	35.4	36.4	37.3	38.2	38.9	39.4	40.0	40.3	40.5	40.6	41.0
35°	36.0	37.0	38.0	38.8	39.3	39.9	40.2	40.4	40.6	40.9	41.3



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	36.6	37.6	38.6	39.1	39.7	40.2	40.4	40.6	40.9	41.3	41.6
32.5°	37.2	38.2	38.9	39.5	40.1	40.3	40.5	40.8	41.2	41.6	41.9
31.25°	37.8	38.7	39.3	39.9	40.3	40.5	40.7	41.1	41.5	41.8	42.0
30°	38.3	39.0	39.6	40.2	40.4	40.6	41.0	41.4	41.8	42.0	42.2
28.75°	38.7	39.3	40.0	40.3	40.5	40.8	41.2	41.7	41.9	42.1	42.3
27.5°	39.0	39.7	40.2	40.4	40.7	41.1	41.5	41.9	42.1	42.2	42.6
26.25°	39.3	40.0	40.3	40.5	40.9	41.3	41.8	42.0	42.2	42.5	42.9
25°	39.6	40.2	40.4	40.7	41.1	41.5	41.9	42.1	42.3	42.7	43.2
23.75°	39.9	40.3	40.5	40.8	41.3	41.8	42.0	42.2	42.5	43.0	43.4
22.5°	40.1	40.4	40.6	41.0	41.5	41.9	42.1	42.3	42.8	43.2	43.7
21.25°	40.2	40.5	40.8	41.2	41.7	42.0	42.2	42.5	43.0	43.5	43.9
20°	40.3	40.6	40.9	41.4	41.8	42.1	42.3	42.8	43.2	43.7	44.2
18.75°	40.4	40.6	41.1	41.6	41.9	42.2	42.5	43.0	43.4	43.9	44.4
17.5°	40.5	40.8	41.3	41.8	42.0	42.2	42.7	43.2	43.6	44.1	44.7
16.25°	40.5	40.9	41.4	41.9	42.1	42.3	42.8	43.3	43.8	44.3	45.1
15°	40.6	41.0	41.5	41.9	42.1	42.5	43.0	43.5	44.0	44.5	45.5
13.75°	40.7	41.1	41.7	42.0	42.2	42.6	43.1	43.7	44.2	44.8	45.8
12.5°	40.7	41.3	41.8	42.0	42.3	42.8	43.3	43.8	44.3	45.1	46.1
11.25°	40.8	41.4	41.8	42.1	42.3	42.9	43.4	43.9	44.5	45.4	46.4
10°	40.9	41.5	41.9	42.1	42.5	43.0	43.5	44.0	44.6	45.7	46.8
8.75°	41.0	41.5	41.9	42.2	42.5	43.1	43.6	44.2	44.9	45.9	47.4
7.5°	41.1	41.6	42.0	42.2	42.6	43.2	43.7	44.2	45.0	46.1	47.9
6.25°	41.1	41.7	42.0	42.2	42.7	43.2	43.8	44.3	45.2	46.2	48.3
5°	41.2	41.7	42.0	42.3	42.7	43.3	43.8	44.4	45.3	46.4	48.7
3.75°	41.2	41.8	42.0	42.3	42.8	43.3	43.9	44.4	45.4	46.5	49.0
2.5°	41.2	41.8	42.0	42.3	42.8	43.4	43.9	44.5	45.5	46.5	49.2
1.25°	41.2	41.8	42.0	42.3	42.8	43.4	43.9	44.5	45.5	46.6	49.3
0°	41.3	41.8	42.1	42.3	42.9	43.4	44.0	44.5	45.6	46.6	49.4
-1.25°	41.2	41.8	42.0	42.3	42.8	43.4	43.9	44.5	45.5	46.6	49.3
-2.5°	41.2	41.8	42.0	42.3	42.8	43.4	43.9	44.5	45.5	46.5	49.2
-3.75°	41.2	41.8	42.0	42.3	42.8	43.3	43.9	44.4	45.4	46.5	49.0
-5°	41.2	41.7	42.0	42.3	42.7	43.3	43.8	44.4	45.3	46.4	48.7
-6.25°	41.1	41.7	42.0	42.2	42.7	43.2	43.8	44.3	45.2	46.2	48.3
-7.5°	41.1	41.6	42.0	42.2	42.6	43.2	43.7	44.2	45.0	46.1	47.9
-8.75°	41.0	41.5	41.9	42.2	42.5	43.1	43.6	44.2	44.9	45.9	47.4
-10°	40.9	41.5	41.9	42.1	42.5	43.0	43.5	44.0	44.6	45.7	46.8
-11.25°	40.8	41.4	41.8	42.1	42.3	42.9	43.4	43.9	44.5	45.4	46.4
-12.5°	40.7	41.3	41.8	42.0	42.3	42.8	43.3	43.8	44.3	45.1	46.1
-13.75°	40.7	41.1	41.7	42.0	42.2	42.6	43.1	43.7	44.2	44.8	45.8
-15°	40.6	41.0	41.5	41.9	42.1	42.5	43.0	43.5	44.0	44.5	45.5
-16.25°	40.5	40.9	41.4	41.9	42.1	42.3	42.8	43.3	43.8	44.3	45.1
-17.5°	40.5	40.8	41.3	41.8	42.0	42.2	42.7	43.2	43.6	44.1	44.7
-18.75°	40.4	40.6	41.1	41.6	41.9	42.2	42.5	43.0	43.4	43.9	44.4
-20°	40.3	40.6	40.9	41.4	41.8	42.1	42.3	42.8	43.2	43.7	44.2
-21.25°	40.2	40.5	40.8	41.2	41.7	42.0	42.2	42.5	43.0	43.5	43.9



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	40.1	40.4	40.6	41.0	41.5	41.9	42.1	42.3	42.8	43.2	43.7
-23.75°	39.9	40.3	40.5	40.8	41.3	41.8	42.0	42.2	42.5	43.0	43.4
-25°	39.6	40.2	40.4	40.7	41.1	41.5	41.9	42.1	42.3	42.7	43.2
-26.25°	39.3	40.0	40.3	40.5	40.9	41.3	41.8	42.0	42.2	42.5	42.9
-27.5°	39.0	39.7	40.2	40.4	40.7	41.1	41.5	41.9	42.1	42.2	42.6
-28.75°	38.7	39.3	40.0	40.3	40.5	40.8	41.2	41.7	41.9	42.1	42.3
-30°	38.3	39.0	39.6	40.2	40.4	40.6	41.0	41.4	41.8	42.0	42.2
-31.25°	37.8	38.7	39.3	39.9	40.3	40.5	40.7	41.1	41.5	41.8	42.0
-32.5°	37.2	38.2	38.9	39.5	40.1	40.3	40.5	40.8	41.2	41.6	41.9
-33.75°	36.6	37.6	38.6	39.1	39.7	40.2	40.4	40.6	40.9	41.3	41.6
-35°	36.0	37.0	38.0	38.8	39.3	39.9	40.2	40.4	40.6	40.9	41.3
-36.25°	35.4	36.4	37.3	38.2	38.9	39.4	40.0	40.3	40.5	40.6	41.0
-37.5°	34.8	35.7	36.6	37.6	38.5	39.0	39.5	40.1	40.3	40.5	40.6
-38.75°	34.1	35.0	35.9	36.8	37.7	38.6	39.1	39.6	40.1	40.3	40.5
-40°	33.5	34.4	35.2	36.1	37.0	37.8	38.6	39.1	39.6	40.1	40.3
-41.25°	32.8	33.7	34.5	35.4	36.2	37.1	37.9	38.6	39.1	39.5	40.0
-42.5°	32.1	33.0	33.8	34.6	35.5	36.3	37.1	37.8	38.6	39.0	39.4
-43.75°	31.4	32.2	33.1	33.9	34.7	35.5	36.2	37.0	37.7	38.5	38.9
-45°	30.7	31.5	32.3	33.1	33.9	34.6	35.4	36.1	36.8	37.6	38.2
-46.25°	29.8	30.8	31.6	32.3	33.1	33.8	34.5	35.2	35.9	36.6	37.3
-47.5°	28.8	29.9	30.8	31.5	32.2	33.0	33.7	34.4	35.0	35.7	36.4
-48.75°	27.8	28.8	29.8	30.7	31.4	32.1	32.8	33.5	34.1	34.8	35.4
-50°	26.7	27.7	28.7	29.7	30.6	31.3	31.9	32.6	33.2	33.8	34.4
-51.25°	25.4	26.6	27.6	28.5	29.5	30.4	31.0	31.6	32.3	32.9	33.4
-52.5°	24.0	25.2	26.4	27.4	28.3	29.1	30.0	30.7	31.3	31.9	32.5
-53.75°	22.6	23.7	24.9	26.0	27.0	27.9	28.7	29.5	30.3	30.9	31.5
-55°	21.3	22.3	23.4	24.5	25.6	26.6	27.4	28.2	29.0	29.7	30.5
-56.25°	20.2	21.0	21.9	22.9	24.0	25.0	26.0	26.9	27.6	28.4	29.1
-57.5°	19.0	19.9	20.7	21.4	22.4	23.3	24.3	25.2	26.2	27.0	27.6
-58.75°	17.9	18.7	19.5	20.2	21.0	21.7	22.6	23.5	24.4	25.2	26.1
-60°	16.8	17.5	18.2	19.0	19.7	20.4	21.1	21.7	22.6	23.4	24.2
-61.25°	15.6	16.3	17.0	17.7	18.4	19.1	19.7	20.4	21.0	21.6	22.3
-62.5°	14.4	15.1	15.8	16.5	17.1	17.8	18.4	19.0	19.6	20.2	20.7
-63.75°	13.6	14.0	14.6	15.2	15.8	16.4	17.0	17.6	18.2	18.7	19.3
-65°	12.9	13.3	13.7	14.0	14.5	15.1	15.7	16.2	16.8	17.3	17.8
-66.25°	12.3	12.6	12.9	13.3	13.6	13.9	14.3	14.8	15.3	15.8	16.3
-67.5°	11.7	11.9	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.4	14.8
-68.75°	11.4	11.5	11.7	11.8	12.1	12.3	12.6	12.9	13.1	13.4	13.7
-70°	11.0	11.2	11.3	11.5	11.6	11.7	11.9	12.1	12.3	12.6	12.8
-71.25°	10.6	10.8	11.0	11.1	11.2	11.3	11.5	11.6	11.7	11.8	11.9
-72.5°	10.1	10.3	10.5	10.7	10.8	10.9	11.0	11.2	11.3	11.4	11.5
-73.75°	9.6	9.8	9.9	10.1	10.3	10.4	10.6	10.7	10.8	10.9	11.0
-75°	9.0	9.2	9.4	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.5
-76.25°	8.1	8.4	8.6	8.8	9.1	9.3	9.4	9.5	9.6	9.8	9.9
-77.5°	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.2



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	6.4	6.6	6.8	7.0	7.1	7.3	7.5	7.7	7.9	8.0	8.2
-80°	5.7	5.8	6.0	6.1	6.2	6.4	6.5	6.7	6.8	7.0	7.1
-81.25°	5.0	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.0	6.1
-82.5°	4.2	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.2
-83.75°	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.3
-85°	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.5
-86.25°	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6
-87.5°	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
-88.75°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0
86.25°	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0
85°	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0
83.75°	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0
82.5°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.9	6.0
81.25°	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1
80°	7.2	7.4	7.5	7.6	7.7	7.9	8.0	8.1	8.2	8.3	8.4
78.75°	8.3	8.5	8.6	8.8	8.9	9.0	9.2	9.2	9.3	9.4	9.4
77.5°	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.0	10.1	10.2
76.25°	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9
75°	10.6	10.8	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4
73.75°	11.1	11.2	11.3	11.4	11.5	11.5	11.6	11.7	11.8	11.8	11.9
72.5°	11.6	11.7	11.8	11.9	12.0	12.2	12.3	12.5	12.6	12.8	12.9
71.25°	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.4	13.6	13.8	13.9
70°	13.0	13.2	13.5	13.7	13.9	14.1	14.3	14.7	14.9	15.2	15.5
68.75°	13.9	14.2	14.6	14.9	15.3	15.7	16.0	16.3	16.6	16.9	17.2
67.5°	15.3	15.7	16.1	16.5	16.9	17.3	17.7	18.0	18.3	18.7	19.0
66.25°	16.8	17.2	17.7	18.1	18.5	18.9	19.3	19.7	20.0	20.4	20.7
65°	18.3	18.8	19.2	19.7	20.1	20.6	21.0	21.4	21.7	22.2	22.6
63.75°	19.8	20.3	20.8	21.3	21.7	22.3	22.9	23.4	23.9	24.4	24.9
62.5°	21.3	21.9	22.5	23.2	23.8	24.4	25.0	25.6	26.1	26.6	27.0
61.25°	23.1	23.8	24.5	25.2	25.8	26.5	27.0	27.4	27.9	28.3	28.7
60°	25.0	25.7	26.5	27.1	27.6	28.1	28.6	29.1	29.6	30.0	30.4
58.75°	26.8	27.4	28.0	28.6	29.2	29.7	30.2	30.6	31.0	31.3	31.6
57.5°	28.3	28.9	29.6	30.2	30.6	31.1	31.4	31.8	32.2	32.5	32.8
56.25°	29.7	30.4	30.9	31.3	31.8	32.2	32.6	33.0	33.4	33.7	34.1
55°	31.0	31.5	31.9	32.4	32.9	33.3	33.7	34.1	34.5	34.9	35.3
53.75°	32.0	32.5	33.0	33.5	34.0	34.4	34.9	35.3	35.7	36.1	36.5
52.5°	33.0	33.5	34.1	34.6	35.1	35.5	36.0	36.4	36.9	37.3	37.7
51.25°	34.0	34.6	35.1	35.6	36.2	36.6	37.1	37.6	38.0	38.5	38.7
50°	35.0	35.6	36.2	36.7	37.2	37.7	38.2	38.6	38.9	39.2	39.4
48.75°	36.0	36.6	37.2	37.8	38.3	38.7	39.0	39.3	39.6	39.9	40.1
47.5°	37.0	37.6	38.2	38.7	39.0	39.3	39.7	40.0	40.2	40.3	40.4
46.25°	38.0	38.6	38.9	39.3	39.6	40.0	40.2	40.3	40.4	40.5	40.6
45°	38.8	39.1	39.5	39.9	40.2	40.3	40.4	40.5	40.7	40.8	41.0
43.75°	39.3	39.7	40.1	40.3	40.4	40.5	40.7	40.9	41.1	41.3	41.5
42.5°	39.9	40.2	40.3	40.5	40.6	40.8	41.1	41.3	41.5	41.8	41.9
41.25°	40.2	40.4	40.5	40.7	41.0	41.2	41.5	41.8	41.9	42.0	42.1
40°	40.4	40.6	40.8	41.1	41.4	41.7	41.9	42.0	42.1	42.2	42.3
38.75°	40.6	40.9	41.2	41.5	41.8	41.9	42.1	42.2	42.3	42.5	42.8
37.5°	40.9	41.3	41.6	41.8	42.0	42.1	42.2	42.5	42.7	43.0	43.2
36.25°	41.3	41.6	41.9	42.0	42.2	42.3	42.6	42.9	43.2	43.4	43.7
35°	41.6	41.9	42.0	42.2	42.4	42.7	43.0	43.3	43.6	43.9	44.1



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	41.9	42.0	42.2	42.4	42.8	43.1	43.4	43.7	44.0	44.3	44.7
32.5°	42.0	42.2	42.5	42.8	43.1	43.5	43.8	44.1	44.4	44.9	45.5
31.25°	42.2	42.4	42.8	43.2	43.5	43.9	44.2	44.6	45.2	45.8	46.3
30°	42.4	42.8	43.1	43.5	43.9	44.2	44.7	45.3	45.9	46.5	48.0
28.75°	42.7	43.1	43.5	43.9	44.2	44.7	45.4	46.0	46.9	48.5	50.1
27.5°	43.0	43.4	43.8	44.2	44.7	45.4	46.1	47.1	48.8	50.5	52.3
26.25°	43.3	43.7	44.1	44.6	45.3	46.0	47.1	48.9	50.7	53.2	58.1
25°	43.6	44.0	44.4	45.2	45.9	46.9	48.8	50.7	53.5	58.7	63.8
23.75°	43.9	44.3	44.9	45.8	46.5	48.5	50.5	53.2	58.7	64.1	69.4
22.5°	44.1	44.7	45.5	46.3	48.0	50.1	52.3	58.1	63.8	69.4	75.2
21.25°	44.4	45.2	46.0	47.3	49.5	51.7	56.9	62.8	68.7	74.8	80.8
20°	44.8	45.7	46.5	48.7	50.9	55.1	61.3	67.4	73.8	80.1	86.7
18.75°	45.2	46.1	47.7	50.0	52.7	59.1	65.5	72.1	78.7	85.3	93.9
17.5°	45.7	46.6	48.9	51.3	56.4	63.0	69.6	76.5	83.3	91.6	110.6
16.25°	46.1	47.6	50.0	53.1	59.9	66.7	73.7	80.8	88.7	104.2	139.4
15°	46.4	48.6	51.1	56.3	63.2	70.3	77.6	84.9	95.4	122.4	175.4
13.75°	47.1	49.6	52.1	59.3	66.3	73.8	81.2	89.8	108.5	152.1	217.5
12.5°	47.9	50.5	54.8	62.0	69.3	77.0	84.6	95.9	126.6	185.5	261.7
11.25°	48.7	51.3	57.2	64.5	72.1	79.9	88.6	106.6	151.0	220.2	304.5
10°	49.4	52.0	59.4	66.8	74.7	82.6	92.2	117.3	176.5	255.8	345.0
8.75°	50.0	53.8	61.3	68.9	77.0	85.1	98.7	136.2	203.6	289.3	381.4
7.5°	50.6	55.4	63.0	70.8	79.0	87.8	106.0	152.8	227.3	319.1	414.1
6.25°	51.0	56.8	64.5	72.5	80.7	90.1	112.2	168.2	250.9	345.3	442.3
5°	51.4	57.9	65.7	73.8	82.1	92.0	119.6	184.2	270.7	366.9	465.7
3.75°	51.7	58.8	66.6	74.8	83.2	93.9	128.3	196.8	286.2	383.9	482.9
2.5°	51.9	59.4	67.3	75.6	84.0	96.6	134.6	205.8	297.4	396.4	495.2
1.25°	52.1	59.8	67.7	76.0	84.4	98.3	138.4	211.2	304.1	403.9	502.6
0°	52.1	60.0	67.8	76.2	84.6	98.9	139.7	213.0	306.4	406.4	505.1
-1.25°	52.1	59.8	67.7	76.0	84.4	98.3	138.4	211.2	304.1	403.9	502.6
-2.5°	51.9	59.4	67.3	75.6	84.0	96.6	134.6	205.8	297.4	396.4	495.2
-3.75°	51.7	58.8	66.6	74.8	83.2	93.9	128.3	196.8	286.2	383.9	482.9
-5°	51.4	57.9	65.7	73.8	82.1	92.0	119.6	184.2	270.7	366.9	465.7
-6.25°	51.0	56.8	64.5	72.5	80.7	90.1	112.2	168.2	250.9	345.3	442.3
-7.5°	50.6	55.4	63.0	70.8	79.0	87.8	106.0	152.8	227.3	319.1	414.1
-8.75°	50.0	53.8	61.3	68.9	77.0	85.1	98.7	136.2	203.6	289.3	381.4
-10°	49.4	52.0	59.4	66.8	74.7	82.6	92.2	117.3	176.5	255.8	345.0
-11.25°	48.7	51.3	57.2	64.5	72.1	79.9	88.6	106.6	151.0	220.2	304.5
-12.5°	47.9	50.5	54.8	62.0	69.3	77.0	84.6	95.9	126.6	185.5	261.7
-13.75°	47.1	49.6	52.1	59.3	66.3	73.8	81.2	89.8	108.5	152.1	217.5
-15°	46.4	48.6	51.1	56.3	63.2	70.3	77.6	84.9	95.4	122.4	175.4
-16.25°	46.1	47.6	50.0	53.1	59.9	66.7	73.7	80.8	88.7	104.2	139.4
-17.5°	45.7	46.6	48.9	51.3	56.4	63.0	69.6	76.5	83.3	91.6	110.6
-18.75°	45.2	46.1	47.7	50.0	52.7	59.1	65.5	72.1	78.7	85.3	93.9
-20°	44.8	45.7	46.5	48.7	50.9	55.1	61.3	67.4	73.8	80.1	86.7
-21.25°	44.4	45.2	46.0	47.3	49.5	51.7	56.9	62.8	68.7	74.8	80.8



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	44.1	44.7	45.5	46.3	48.0	50.1	52.3	58.1	63.8	69.4	75.2
-23.75°	43.9	44.3	44.9	45.8	46.5	48.5	50.5	53.2	58.7	64.1	69.4
-25°	43.6	44.0	44.4	45.2	45.9	46.9	48.8	50.7	53.5	58.7	63.8
-26.25°	43.3	43.7	44.1	44.6	45.3	46.0	47.1	48.9	50.7	53.2	58.1
-27.5°	43.0	43.4	43.8	44.2	44.7	45.4	46.1	47.1	48.8	50.5	52.3
-28.75°	42.7	43.1	43.5	43.9	44.2	44.7	45.4	46.0	46.9	48.5	50.1
-30°	42.4	42.8	43.1	43.5	43.9	44.2	44.7	45.3	45.9	46.5	48.0
-31.25°	42.2	42.4	42.8	43.2	43.5	43.9	44.2	44.6	45.2	45.8	46.3
-32.5°	42.0	42.2	42.5	42.8	43.1	43.5	43.8	44.1	44.4	44.9	45.5
-33.75°	41.9	42.0	42.2	42.4	42.8	43.1	43.4	43.7	44.0	44.3	44.7
-35°	41.6	41.9	42.0	42.2	42.4	42.7	43.0	43.3	43.6	43.9	44.1
-36.25°	41.3	41.6	41.9	42.0	42.2	42.3	42.6	42.9	43.2	43.4	43.7
-37.5°	40.9	41.3	41.6	41.8	42.0	42.1	42.2	42.5	42.7	43.0	43.2
-38.75°	40.6	40.9	41.2	41.5	41.8	41.9	42.1	42.2	42.3	42.5	42.8
-40°	40.4	40.6	40.8	41.1	41.4	41.7	41.9	42.0	42.1	42.2	42.3
-41.25°	40.2	40.4	40.5	40.7	41.0	41.2	41.5	41.8	41.9	42.0	42.1
-42.5°	39.9	40.2	40.3	40.5	40.6	40.8	41.1	41.3	41.5	41.8	41.9
-43.75°	39.3	39.7	40.1	40.3	40.4	40.5	40.7	40.9	41.1	41.3	41.5
-45°	38.8	39.1	39.5	39.9	40.2	40.3	40.4	40.5	40.7	40.8	41.0
-46.25°	38.0	38.6	38.9	39.3	39.6	40.0	40.2	40.3	40.4	40.5	40.6
-47.5°	37.0	37.6	38.2	38.7	39.0	39.3	39.7	40.0	40.2	40.3	40.4
-48.75°	36.0	36.6	37.2	37.8	38.3	38.7	39.0	39.3	39.6	39.9	40.1
-50°	35.0	35.6	36.2	36.7	37.2	37.7	38.2	38.6	38.9	39.2	39.4
-51.25°	34.0	34.6	35.1	35.6	36.2	36.6	37.1	37.6	38.0	38.5	38.7
-52.5°	33.0	33.5	34.1	34.6	35.1	35.5	36.0	36.4	36.9	37.3	37.7
-53.75°	32.0	32.5	33.0	33.5	34.0	34.4	34.9	35.3	35.7	36.1	36.5
-55°	31.0	31.5	31.9	32.4	32.9	33.3	33.7	34.1	34.5	34.9	35.3
-56.25°	29.7	30.4	30.9	31.3	31.8	32.2	32.6	33.0	33.4	33.7	34.1
-57.5°	28.3	28.9	29.6	30.2	30.6	31.1	31.4	31.8	32.2	32.5	32.8
-58.75°	26.8	27.4	28.0	28.6	29.2	29.7	30.2	30.6	31.0	31.3	31.6
-60°	25.0	25.7	26.5	27.1	27.6	28.1	28.6	29.1	29.6	30.0	30.4
-61.25°	23.1	23.8	24.5	25.2	25.8	26.5	27.0	27.4	27.9	28.3	28.7
-62.5°	21.3	21.9	22.5	23.2	23.8	24.4	25.0	25.6	26.1	26.6	27.0
-63.75°	19.8	20.3	20.8	21.3	21.7	22.3	22.9	23.4	23.9	24.4	24.9
-65°	18.3	18.8	19.2	19.7	20.1	20.6	21.0	21.4	21.7	22.2	22.6
-66.25°	16.8	17.2	17.7	18.1	18.5	18.9	19.3	19.7	20.0	20.4	20.7
-67.5°	15.3	15.7	16.1	16.5	16.9	17.3	17.7	18.0	18.3	18.7	19.0
-68.75°	13.9	14.2	14.6	14.9	15.3	15.7	16.0	16.3	16.6	16.9	17.2
-70°	13.0	13.2	13.5	13.7	13.9	14.1	14.3	14.7	14.9	15.2	15.5
-71.25°	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.4	13.6	13.8	13.9
-72.5°	11.6	11.7	11.8	11.9	12.0	12.2	12.3	12.5	12.6	12.8	12.9
-73.75°	11.1	11.2	11.3	11.4	11.5	11.5	11.6	11.7	11.8	11.8	11.9
-75°	10.6	10.8	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4
-76.25°	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9
-77.5°	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.0	10.1	10.2



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	8.3	8.5	8.6	8.8	8.9	9.0	9.2	9.2	9.3	9.4	9.4
-80°	7.2	7.4	7.5	7.6	7.7	7.9	8.0	8.1	8.2	8.3	8.4
-81.25°	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1
-82.5°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.9	6.0
-83.75°	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0
-85°	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0
-86.25°	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0
-87.5°	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0
-88.75°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-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: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2
86.25°	3.0	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2
85°	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3
83.75°	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.3
82.5°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
81.25°	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7
80°	8.5	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1
78.75°	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.9	9.9	9.9
77.5°	10.2	10.3	10.4	10.4	10.5	10.5	10.6	10.6	10.6	10.7	10.7
76.25°	10.9	11.0	11.0	11.1	11.1	11.1	11.2	11.2	11.2	11.3	11.3
75°	11.4	11.5	11.5	11.6	11.6	11.7	11.7	11.7	11.8	11.8	11.8
73.75°	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8	12.8
72.5°	13.0	13.1	13.3	13.4	13.5	13.6	13.6	13.7	13.8	13.9	13.9
71.25°	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.3	15.4	15.6	15.7
70°	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.1	17.3	17.4	17.5
68.75°	17.5	17.8	18.0	18.2	18.5	18.6	18.8	19.0	19.2	19.3	19.4
67.5°	19.3	19.5	19.8	20.0	20.3	20.5	20.7	20.8	21.0	21.2	21.3
66.25°	21.0	21.3	21.6	21.9	22.2	22.5	22.7	23.0	23.2	23.4	23.6
65°	23.1	23.5	23.8	24.2	24.5	24.8	25.1	25.4	25.6	25.8	26.0
63.75°	25.3	25.7	26.1	26.5	26.8	27.0	27.3	27.5	27.7	27.8	28.0
62.5°	27.3	27.7	28.0	28.3	28.6	28.9	29.1	29.3	29.5	29.7	29.9
61.25°	29.1	29.4	29.8	30.1	30.4	30.6	30.8	30.9	31.1	31.2	31.4
60°	30.7	31.0	31.2	31.5	31.7	31.9	32.1	32.3	32.4	32.6	32.7
58.75°	31.9	32.2	32.5	32.7	33.0	33.2	33.4	33.6	33.7	33.9	34.0
57.5°	33.2	33.5	33.7	34.0	34.2	34.5	34.7	34.9	35.0	35.2	35.3
56.25°	34.4	34.7	35.0	35.3	35.5	35.8	36.0	36.2	36.4	36.5	36.7
55°	35.6	35.9	36.2	36.5	36.8	37.0	37.3	37.5	37.7	37.8	38.0
53.75°	36.8	37.2	37.5	37.8	38.1	38.3	38.5	38.7	38.8	38.9	39.0
52.5°	38.0	38.4	38.6	38.8	39.0	39.2	39.3	39.4	39.6	39.7	39.8
51.25°	38.9	39.2	39.4	39.6	39.7	39.9	40.1	40.1	40.2	40.2	40.3
50°	39.7	39.9	40.1	40.2	40.2	40.3	40.4	40.4	40.5	40.5	40.6
48.75°	40.2	40.3	40.4	40.5	40.5	40.6	40.7	40.7	40.8	40.9	41.0
47.5°	40.5	40.6	40.6	40.8	40.9	41.0	41.1	41.3	41.4	41.5	41.5
46.25°	40.8	40.9	41.1	41.3	41.4	41.5	41.7	41.8	41.8	41.9	41.9
45°	41.2	41.4	41.6	41.8	41.9	41.9	42.0	42.0	42.1	42.1	42.2
43.75°	41.7	41.8	41.9	42.0	42.1	42.1	42.2	42.3	42.3	42.5	42.5
42.5°	42.0	42.1	42.2	42.2	42.3	42.5	42.6	42.8	42.9	43.0	43.1
41.25°	42.2	42.3	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.5	43.6
40°	42.5	42.8	43.0	43.2	43.3	43.5	43.7	43.8	43.9	44.0	44.2
38.75°	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.3	44.5	44.6	44.9
37.5°	43.5	43.7	43.9	44.1	44.3	44.5	44.8	45.1	45.4	45.7	45.9
36.25°	43.9	44.2	44.4	44.7	45.1	45.5	45.8	46.1	46.4	46.8	47.4
35°	44.4	44.8	45.2	45.7	46.1	46.4	47.1	47.9	48.7	49.4	50.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	45.2	45.7	46.1	46.6	47.6	48.6	49.6	50.5	51.3	52.0	53.8
32.5°	46.0	46.5	47.7	48.9	50.0	51.1	52.1	54.8	57.2	59.4	61.3
31.25°	47.3	48.7	50.0	51.3	53.1	56.3	59.3	62.0	64.5	66.8	68.9
30°	49.5	50.9	52.7	56.4	59.9	63.2	66.3	69.3	72.1	74.7	77.0
28.75°	51.7	55.1	59.1	63.0	66.7	70.3	73.8	77.0	79.9	82.6	85.1
27.5°	56.9	61.3	65.5	69.6	73.7	77.6	81.2	84.6	88.6	92.2	98.7
26.25°	62.8	67.4	72.1	76.5	80.8	84.9	89.8	95.9	106.6	117.3	136.2
25°	68.7	73.8	78.7	83.3	88.7	95.4	108.5	126.6	151.0	176.5	203.6
23.75°	74.8	80.1	85.3	91.6	104.2	122.4	152.1	185.5	220.2	255.8	289.3
22.5°	80.8	86.7	93.9	110.6	139.4	175.4	217.5	261.7	304.5	345.0	381.4
21.25°	87.2	96.4	114.4	150.8	195.2	244.1	295.9	345.7	392.5	436.0	474.7
20°	96.4	115.9	156.6	207.3	263.5	321.2	377.3	430.9	480.0	522.5	558.7
18.75°	114.4	156.6	211.3	273.2	336.8	399.0	458.9	511.9	558.4	597.6	630.0
17.5°	150.8	207.3	273.2	342.0	409.9	475.3	533.6	582.7	625.2	661.4	699.8
16.25°	195.2	263.5	336.8	409.9	480.6	544.3	597.5	643.0	687.9	733.6	789.2
15°	244.1	321.2	399.0	475.3	544.3	602.5	652.0	704.6	764.3	830.2	906.5
13.75°	295.9	377.3	458.9	533.6	597.5	652.0	710.2	779.9	861.6	951.5	1051.4
12.5°	345.7	430.9	511.9	582.7	643.0	704.6	779.9	872.2	978.7	1095.3	1226.4
11.25°	392.5	480.0	558.4	625.2	687.9	764.3	861.6	978.7	1112.9	1263.5	1418.3
10°	436.0	522.5	597.6	661.4	733.6	830.2	951.5	1095.3	1263.5	1440.1	1619.3
8.75°	474.7	558.7	630.0	699.8	789.2	906.5	1051.4	1226.4	1418.3	1619.3	1818.3
7.5°	506.8	588.3	657.6	734.8	843.0	982.3	1153.8	1353.9	1569.0	1790.2	2013.0
6.25°	534.6	613.3	684.4	775.5	898.9	1055.7	1251.1	1470.9	1707.7	1949.0	2195.7
5°	555.7	631.9	708.1	809.5	946.2	1124.5	1340.6	1578.8	1829.9	2092.8	2357.1
3.75°	571.5	646.7	726.8	839.4	991.8	1185.1	1413.4	1665.6	1931.1	2211.4	2488.4
2.5°	582.8	657.3	742.5	864.5	1024.9	1229.3	1467.1	1731.2	2009.3	2300.2	2587.0
1.25°	589.7	663.7	753.4	879.7	1045.0	1256.1	1502.4	1771.6	2057.4	2355.0	2647.9
0°	592.0	665.9	757.1	884.8	1051.8	1265.1	1514.3	1785.2	2073.6	2373.5	2668.6
-1.25°	589.7	663.7	753.4	879.7	1045.0	1256.1	1502.4	1771.6	2057.4	2355.0	2647.9
-2.5°	582.8	657.3	742.5	864.5	1024.9	1229.3	1467.1	1731.2	2009.3	2300.2	2587.0
-3.75°	571.5	646.7	726.8	839.4	991.8	1185.1	1413.4	1665.6	1931.1	2211.4	2488.4
-5°	555.7	631.9	708.1	809.5	946.2	1124.5	1340.6	1578.8	1829.9	2092.8	2357.1
-6.25°	534.6	613.3	684.4	775.5	898.9	1055.7	1251.1	1470.9	1707.7	1949.0	2195.7
-7.5°	506.8	588.3	657.6	734.8	843.0	982.3	1153.8	1353.9	1569.0	1790.2	2013.0
-8.75°	474.7	558.7	630.0	699.8	789.2	906.5	1051.4	1226.4	1418.3	1619.3	1818.3
-10°	436.0	522.5	597.6	661.4	733.6	830.2	951.5	1095.3	1263.5	1440.1	1619.3
-11.25°	392.5	480.0	558.4	625.2	687.9	764.3	861.6	978.7	1112.9	1263.5	1418.3
-12.5°	345.7	430.9	511.9	582.7	643.0	704.6	779.9	872.2	978.7	1095.3	1226.4
-13.75°	295.9	377.3	458.9	533.6	597.5	652.0	710.2	779.9	861.6	951.5	1051.4
-15°	244.1	321.2	399.0	475.3	544.3	602.5	652.0	704.6	764.3	830.2	906.5
-16.25°	195.2	263.5	336.8	409.9	480.6	544.3	597.5	643.0	687.9	733.6	789.2
-17.5°	150.8	207.3	273.2	342.0	409.9	475.3	533.6	582.7	625.2	661.4	699.8
-18.75°	114.4	156.6	211.3	273.2	336.8	399.0	458.9	511.9	558.4	597.6	630.0
-20°	96.4	115.9	156.6	207.3	263.5	321.2	377.3	430.9	480.0	522.5	558.7
-21.25°	87.2	96.4	114.4	150.8	195.2	244.1	295.9	345.7	392.5	436.0	474.7



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	80.8	86.7	93.9	110.6	139.4	175.4	217.5	261.7	304.5	345.0	381.4
-23.75°	74.8	80.1	85.3	91.6	104.2	122.4	152.1	185.5	220.2	255.8	289.3
-25°	68.7	73.8	78.7	83.3	88.7	95.4	108.5	126.6	151.0	176.5	203.6
-26.25°	62.8	67.4	72.1	76.5	80.8	84.9	89.8	95.9	106.6	117.3	136.2
-27.5°	56.9	61.3	65.5	69.6	73.7	77.6	81.2	84.6	88.6	92.2	98.7
-28.75°	51.7	55.1	59.1	63.0	66.7	70.3	73.8	77.0	79.9	82.6	85.1
-30°	49.5	50.9	52.7	56.4	59.9	63.2	66.3	69.3	72.1	74.7	77.0
-31.25°	47.3	48.7	50.0	51.3	53.1	56.3	59.3	62.0	64.5	66.8	68.9
-32.5°	46.0	46.5	47.7	48.9	50.0	51.1	52.1	54.8	57.2	59.4	61.3
-33.75°	45.2	45.7	46.1	46.6	47.6	48.6	49.6	50.5	51.3	52.0	53.8
-35°	44.4	44.8	45.2	45.7	46.1	46.4	47.1	47.9	48.7	49.4	50.0
-36.25°	43.9	44.2	44.4	44.7	45.1	45.5	45.8	46.1	46.4	46.8	47.4
-37.5°	43.5	43.7	43.9	44.1	44.3	44.5	44.8	45.1	45.4	45.7	45.9
-38.75°	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.3	44.5	44.6	44.9
-40°	42.5	42.8	43.0	43.2	43.3	43.5	43.7	43.8	43.9	44.0	44.2
-41.25°	42.2	42.3	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.5	43.6
-42.5°	42.0	42.1	42.2	42.2	42.3	42.5	42.6	42.8	42.9	43.0	43.1
-43.75°	41.7	41.8	41.9	42.0	42.1	42.1	42.2	42.3	42.3	42.5	42.5
-45°	41.2	41.4	41.6	41.8	41.9	41.9	42.0	42.0	42.1	42.1	42.2
-46.25°	40.8	40.9	41.1	41.3	41.4	41.5	41.7	41.8	41.8	41.9	41.9
-47.5°	40.5	40.6	40.6	40.8	40.9	41.0	41.1	41.3	41.4	41.5	41.5
-48.75°	40.2	40.3	40.4	40.5	40.5	40.6	40.7	40.7	40.8	40.9	41.0
-50°	39.7	39.9	40.1	40.2	40.2	40.3	40.4	40.4	40.5	40.5	40.6
-51.25°	38.9	39.2	39.4	39.6	39.7	39.9	40.1	40.1	40.2	40.2	40.3
-52.5°	38.0	38.4	38.6	38.8	39.0	39.2	39.3	39.4	39.6	39.7	39.8
-53.75°	36.8	37.2	37.5	37.8	38.1	38.3	38.5	38.7	38.8	38.9	39.0
-55°	35.6	35.9	36.2	36.5	36.8	37.0	37.3	37.5	37.7	37.8	38.0
-56.25°	34.4	34.7	35.0	35.3	35.5	35.8	36.0	36.2	36.4	36.5	36.7
-57.5°	33.2	33.5	33.7	34.0	34.2	34.5	34.7	34.9	35.0	35.2	35.3
-58.75°	31.9	32.2	32.5	32.7	33.0	33.2	33.4	33.6	33.7	33.9	34.0
-60°	30.7	31.0	31.2	31.5	31.7	31.9	32.1	32.3	32.4	32.6	32.7
-61.25°	29.1	29.4	29.8	30.1	30.4	30.6	30.8	30.9	31.1	31.2	31.4
-62.5°	27.3	27.7	28.0	28.3	28.6	28.9	29.1	29.3	29.5	29.7	29.9
-63.75°	25.3	25.7	26.1	26.5	26.8	27.0	27.3	27.5	27.7	27.8	28.0
-65°	23.1	23.5	23.8	24.2	24.5	24.8	25.1	25.4	25.6	25.8	26.0
-66.25°	21.0	21.3	21.6	21.9	22.2	22.5	22.7	23.0	23.2	23.4	23.6
-67.5°	19.3	19.5	19.8	20.0	20.3	20.5	20.7	20.8	21.0	21.2	21.3
-68.75°	17.5	17.8	18.0	18.2	18.5	18.6	18.8	19.0	19.2	19.3	19.4
-70°	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.1	17.3	17.4	17.5
-71.25°	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.3	15.4	15.6	15.7
-72.5°	13.0	13.1	13.3	13.4	13.5	13.6	13.6	13.7	13.8	13.9	13.9
-73.75°	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8	12.8
-75°	11.4	11.5	11.5	11.6	11.6	11.7	11.7	11.7	11.8	11.8	11.8
-76.25°	10.9	11.0	11.0	11.1	11.1	11.1	11.2	11.2	11.2	11.3	11.3
-77.5°	10.2	10.3	10.4	10.4	10.5	10.5	10.6	10.6	10.6	10.7	10.7



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.9	9.9	9.9
-80°	8.5	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1
-81.25°	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7
-82.5°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
-83.75°	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.3
-85°	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3
-86.25°	3.0	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2
-87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2
-88.75°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
86.25°	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
83.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
82.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
81.25°	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.8
80°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
78.75°	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
77.5°	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
76.25°	11.3	11.3	11.3	11.3	11.3	11.3	11.4	11.3	11.3	11.3	11.3
75°	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
73.75°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
72.5°	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0
71.25°	15.7	15.8	15.9	15.9	16.0	16.0	16.0	16.0	16.0	15.9	15.9
70°	17.6	17.7	17.8	17.8	17.9	17.9	17.9	17.9	17.9	17.8	17.8
68.75°	19.5	19.6	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.7	19.7
67.5°	21.4	21.5	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.6	21.6
66.25°	23.7	23.9	24.0	24.0	24.1	24.1	24.2	24.1	24.1	24.0	24.0
65°	26.2	26.3	26.4	26.5	26.6	26.6	26.6	26.6	26.6	26.5	26.4
63.75°	28.1	28.2	28.3	28.4	28.5	28.5	28.5	28.5	28.5	28.4	28.3
62.5°	30.0	30.1	30.2	30.3	30.4	30.4	30.4	30.4	30.4	30.3	30.2
61.25°	31.5	31.5	31.6	31.7	31.7	31.7	31.8	31.7	31.7	31.7	31.6
60°	32.8	32.9	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.0	33.0
58.75°	34.1	34.2	34.3	34.4	34.4	34.4	34.5	34.4	34.4	34.4	34.3
57.5°	35.5	35.6	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.7	35.7
56.25°	36.8	36.9	37.0	37.1	37.1	37.1	37.2	37.1	37.1	37.1	37.0
55°	38.1	38.2	38.3	38.4	38.5	38.5	38.5	38.5	38.5	38.4	38.3
53.75°	39.1	39.1	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.2	39.2
52.5°	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.0	40.0
51.25°	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
50°	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
48.75°	41.1	41.1	41.2	41.2	41.2	41.2	41.3	41.2	41.2	41.2	41.2
47.5°	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.7
46.25°	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.0	42.0	42.0	42.0
45°	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
43.75°	42.6	42.7	42.7	42.8	42.8	42.8	42.9	42.8	42.8	42.8	42.7
42.5°	43.2	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.3	43.3
41.25°	43.7	43.8	43.8	43.9	43.9	43.9	44.0	43.9	43.9	43.9	43.8
40°	44.2	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.4	44.4
38.75°	45.0	45.2	45.3	45.4	45.5	45.5	45.6	45.5	45.5	45.4	45.3
37.5°	46.1	46.2	46.4	46.5	46.5	46.6	46.6	46.6	46.5	46.5	46.4
36.25°	47.9	48.3	48.7	49.0	49.2	49.3	49.4	49.3	49.2	49.0	48.7
35°	50.6	51.0	51.4	51.7	51.9	52.1	52.1	52.1	51.9	51.7	51.4

REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	55.4	56.8	57.9	58.8	59.4	59.8	60.0	59.8	59.4	58.8	57.9
32.5°	63.0	64.5	65.7	66.6	67.3	67.7	67.8	67.7	67.3	66.6	65.7
31.25°	70.8	72.5	73.8	74.8	75.6	76.0	76.2	76.0	75.6	74.8	73.8
30°	79.0	80.7	82.1	83.2	84.0	84.4	84.6	84.4	84.0	83.2	82.1
28.75°	87.8	90.1	92.0	93.9	96.6	98.3	98.9	98.3	96.6	93.9	92.0
27.5°	106.0	112.2	119.6	128.3	134.6	138.4	139.7	138.4	134.6	128.3	119.6
26.25°	152.8	168.2	184.2	196.8	205.8	211.2	213.0	211.2	205.8	196.8	184.2
25°	227.3	250.9	270.7	286.2	297.4	304.1	306.4	304.1	297.4	286.2	270.7
23.75°	319.1	345.3	366.9	383.9	396.4	403.9	406.4	403.9	396.4	383.9	366.9
22.5°	414.1	442.3	465.7	482.9	495.2	502.6	505.1	502.6	495.2	482.9	465.7
21.25°	506.8	534.6	555.7	571.5	582.8	589.7	592.0	589.7	582.8	571.5	555.7
20°	588.3	613.3	631.9	646.7	657.3	663.7	665.9	663.7	657.3	646.7	631.9
18.75°	657.6	684.4	708.1	726.8	742.5	753.4	757.1	753.4	742.5	726.8	708.1
17.5°	734.8	775.5	809.5	839.4	864.5	879.7	884.8	879.7	864.5	839.4	809.5
16.25°	843.0	898.9	946.2	991.8	1024.9	1045.0	1051.8	1045.0	1024.9	991.8	946.2
15°	982.3	1055.7	1124.5	1185.1	1229.3	1256.1	1265.1	1256.1	1229.3	1185.1	1124.5
13.75°	1153.8	1251.1	1340.6	1413.4	1467.1	1502.4	1514.3	1502.4	1467.1	1413.4	1340.6
12.5°	1353.9	1470.9	1578.8	1665.6	1731.2	1771.6	1785.2	1771.6	1731.2	1665.6	1578.8
11.25°	1569.0	1707.7	1829.9	1931.1	2009.3	2057.4	2073.6	2057.4	2009.3	1931.1	1829.9
10°	1790.2	1949.0	2092.8	2211.4	2300.2	2355.0	2373.5	2355.0	2300.2	2211.4	2092.8
8.75°	2013.0	2195.7	2357.1	2488.4	2587.0	2647.9	2668.6	2647.9	2587.0	2488.4	2357.1
7.5°	2231.1	2432.3	2608.6	2755.1	2864.9	2929.5	2951.6	2929.5	2864.9	2755.1	2608.6
6.25°	2432.3	2649.8	2844.7	2997.8	3108.3	3173.2	3195.7	3173.2	3108.3	2997.8	2844.7
5°	2608.6	2844.7	3044.7	3196.2	3308.8	3380.3	3405.5	3380.3	3308.8	3196.2	3044.7
3.75°	2755.1	2997.8	3196.2	3356.0	3470.3	3542.2	3565.7	3542.2	3470.3	3356.0	3196.2
2.5°	2864.9	3108.3	3308.8	3470.3	3590.7	3668.0	3690.0	3668.0	3590.7	3470.3	3308.8
1.25°	2929.5	3173.2	3380.3	3542.2	3668.0	3740.3	3769.8	3740.3	3668.0	3542.2	3380.3
0°	2951.6	3195.7	3405.5	3565.7	3690.0	3769.8	3826.3	3769.8	3690.0	3565.7	3405.5
-1.25°	2929.5	3173.2	3380.3	3542.2	3668.0	3740.3	3769.8	3740.3	3668.0	3542.2	3380.3
-2.5°	2864.9	3108.3	3308.8	3470.3	3590.7	3668.0	3690.0	3668.0	3590.7	3470.3	3308.8
-3.75°	2755.1	2997.8	3196.2	3356.0	3470.3	3542.2	3565.7	3542.2	3470.3	3356.0	3196.2
-5°	2608.6	2844.7	3044.7	3196.2	3308.8	3380.3	3405.5	3380.3	3308.8	3196.2	3044.7
-6.25°	2432.3	2649.8	2844.7	2997.8	3108.3	3173.2	3195.7	3173.2	3108.3	2997.8	2844.7
-7.5°	2231.1	2432.3	2608.6	2755.1	2864.9	2929.5	2951.6	2929.5	2864.9	2755.1	2608.6
-8.75°	2013.0	2195.7	2357.1	2488.4	2587.0	2647.9	2668.6	2647.9	2587.0	2488.4	2357.1
-10°	1790.2	1949.0	2092.8	2211.4	2300.2	2355.0	2373.5	2355.0	2300.2	2211.4	2092.8
-11.25°	1569.0	1707.7	1829.9	1931.1	2009.3	2057.4	2073.6	2057.4	2009.3	1931.1	1829.9
-12.5°	1353.9	1470.9	1578.8	1665.6	1731.2	1771.6	1785.2	1771.6	1731.2	1665.6	1578.8
-13.75°	1153.8	1251.1	1340.6	1413.4	1467.1	1502.4	1514.3	1502.4	1467.1	1413.4	1340.6
-15°	982.3	1055.7	1124.5	1185.1	1229.3	1256.1	1265.1	1256.1	1229.3	1185.1	1124.5
-16.25°	843.0	898.9	946.2	991.8	1024.9	1045.0	1051.8	1045.0	1024.9	991.8	946.2
-17.5°	734.8	775.5	809.5	839.4	864.5	879.7	884.8	879.7	864.5	839.4	809.5
-18.75°	657.6	684.4	708.1	726.8	742.5	753.4	757.1	753.4	742.5	726.8	708.1
-20°	588.3	613.3	631.9	646.7	657.3	663.7	665.9	663.7	657.3	646.7	631.9
-21.25°	506.8	534.6	555.7	571.5	582.8	589.7	592.0	589.7	582.8	571.5	555.7



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	414.1	442.3	465.7	482.9	495.2	502.6	505.1	502.6	495.2	482.9	465.7
-23.75°	319.1	345.3	366.9	383.9	396.4	403.9	406.4	403.9	396.4	383.9	366.9
-25°	227.3	250.9	270.7	286.2	297.4	304.1	306.4	304.1	297.4	286.2	270.7
-26.25°	152.8	168.2	184.2	196.8	205.8	211.2	213.0	211.2	205.8	196.8	184.2
-27.5°	106.0	112.2	119.6	128.3	134.6	138.4	139.7	138.4	134.6	128.3	119.6
-28.75°	87.8	90.1	92.0	93.9	96.6	98.3	98.9	98.3	96.6	93.9	92.0
-30°	79.0	80.7	82.1	83.2	84.0	84.4	84.6	84.4	84.0	83.2	82.1
-31.25°	70.8	72.5	73.8	74.8	75.6	76.0	76.2	76.0	75.6	74.8	73.8
-32.5°	63.0	64.5	65.7	66.6	67.3	67.7	67.8	67.7	67.3	66.6	65.7
-33.75°	55.4	56.8	57.9	58.8	59.4	59.8	60.0	59.8	59.4	58.8	57.9
-35°	50.6	51.0	51.4	51.7	51.9	52.1	52.1	52.1	51.9	51.7	51.4
-36.25°	47.9	48.3	48.7	49.0	49.2	49.3	49.4	49.3	49.2	49.0	48.7
-37.5°	46.1	46.2	46.4	46.5	46.5	46.6	46.6	46.6	46.5	46.5	46.4
-38.75°	45.0	45.2	45.3	45.4	45.5	45.5	45.6	45.5	45.5	45.4	45.3
-40°	44.2	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.4	44.4
-41.25°	43.7	43.8	43.8	43.9	43.9	43.9	44.0	43.9	43.9	43.9	43.8
-42.5°	43.2	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.3	43.3
-43.75°	42.6	42.7	42.7	42.8	42.8	42.8	42.9	42.8	42.8	42.8	42.7
-45°	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
-46.25°	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.0	42.0	42.0	42.0
-47.5°	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.7
-48.75°	41.1	41.1	41.2	41.2	41.2	41.2	41.3	41.2	41.2	41.2	41.2
-50°	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
-51.25°	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
-52.5°	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.0	40.0
-53.75°	39.1	39.1	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.2	39.2
-55°	38.1	38.2	38.3	38.4	38.5	38.5	38.5	38.5	38.5	38.4	38.3
-56.25°	36.8	36.9	37.0	37.1	37.1	37.1	37.2	37.1	37.1	37.1	37.0
-57.5°	35.5	35.6	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.7	35.7
-58.75°	34.1	34.2	34.3	34.4	34.4	34.4	34.5	34.4	34.4	34.4	34.3
-60°	32.8	32.9	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.0	33.0
-61.25°	31.5	31.5	31.6	31.7	31.7	31.7	31.8	31.7	31.7	31.7	31.6
-62.5°	30.0	30.1	30.2	30.3	30.4	30.4	30.4	30.4	30.4	30.3	30.2
-63.75°	28.1	28.2	28.3	28.4	28.5	28.5	28.5	28.5	28.5	28.4	28.3
-65°	26.2	26.3	26.4	26.5	26.6	26.6	26.6	26.6	26.6	26.5	26.4
-66.25°	23.7	23.9	24.0	24.0	24.1	24.1	24.2	24.1	24.1	24.0	24.0
-67.5°	21.4	21.5	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.6	21.6
-68.75°	19.5	19.6	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.7	19.7
-70°	17.6	17.7	17.8	17.8	17.9	17.9	17.9	17.9	17.9	17.8	17.8
-71.25°	15.7	15.8	15.9	15.9	16.0	16.0	16.0	16.0	16.0	15.9	15.9
-72.5°	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0
-73.75°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
-75°	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
-76.25°	11.3	11.3	11.3	11.3	11.3	11.3	11.4	11.3	11.3	11.3	11.3
-77.5°	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-80°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-81.25°	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.8
-82.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-83.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
-86.25°	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2
-87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
87.5°	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
86.25°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1
85°	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1
83.75°	5.4	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1
82.5°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
81.25°	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.3
80°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6
78.75°	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6
77.5°	10.8	10.7	10.7	10.7	10.6	10.6	10.6	10.5	10.5	10.4	10.4
76.25°	11.3	11.3	11.3	11.3	11.2	11.2	11.2	11.1	11.1	11.1	11.0
75°	11.9	11.8	11.8	11.8	11.8	11.7	11.7	11.7	11.6	11.6	11.5
73.75°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.2
72.5°	14.0	14.0	13.9	13.9	13.8	13.7	13.6	13.6	13.5	13.4	13.3
71.25°	15.8	15.7	15.7	15.6	15.4	15.3	15.2	15.0	14.8	14.6	14.4
70°	17.7	17.6	17.5	17.4	17.3	17.1	17.0	16.8	16.6	16.4	16.2
68.75°	19.6	19.5	19.4	19.3	19.2	19.0	18.8	18.6	18.5	18.2	18.0
67.5°	21.5	21.4	21.3	21.2	21.0	20.8	20.7	20.5	20.3	20.0	19.8
66.25°	23.9	23.7	23.6	23.4	23.2	23.0	22.7	22.5	22.2	21.9	21.6
65°	26.3	26.2	26.0	25.8	25.6	25.4	25.1	24.8	24.5	24.2	23.8
63.75°	28.2	28.1	28.0	27.8	27.7	27.5	27.3	27.0	26.8	26.5	26.1
62.5°	30.1	30.0	29.9	29.7	29.5	29.3	29.1	28.9	28.6	28.3	28.0
61.25°	31.5	31.5	31.4	31.2	31.1	30.9	30.8	30.6	30.4	30.1	29.8
60°	32.9	32.8	32.7	32.6	32.4	32.3	32.1	31.9	31.7	31.5	31.2
58.75°	34.2	34.1	34.0	33.9	33.7	33.6	33.4	33.2	33.0	32.7	32.5
57.5°	35.6	35.5	35.3	35.2	35.0	34.9	34.7	34.5	34.2	34.0	33.7
56.25°	36.9	36.8	36.7	36.5	36.4	36.2	36.0	35.8	35.5	35.3	35.0
55°	38.2	38.1	38.0	37.8	37.7	37.5	37.3	37.0	36.8	36.5	36.2
53.75°	39.1	39.1	39.0	38.9	38.8	38.7	38.5	38.3	38.1	37.8	37.5
52.5°	39.9	39.9	39.8	39.7	39.6	39.4	39.3	39.2	39.0	38.8	38.6
51.25°	40.3	40.3	40.3	40.2	40.2	40.1	40.1	39.9	39.7	39.6	39.4
50°	40.6	40.6	40.6	40.5	40.5	40.4	40.4	40.3	40.2	40.2	40.1
48.75°	41.1	41.1	41.0	40.9	40.8	40.7	40.7	40.6	40.5	40.5	40.4
47.5°	41.7	41.6	41.5	41.5	41.4	41.3	41.1	41.0	40.9	40.8	40.6
46.25°	42.0	42.0	41.9	41.9	41.8	41.8	41.7	41.5	41.4	41.3	41.1
45°	42.2	42.2	42.2	42.1	42.1	42.0	42.0	41.9	41.9	41.8	41.6
43.75°	42.7	42.6	42.5	42.5	42.3	42.3	42.2	42.1	42.1	42.0	41.9
42.5°	43.2	43.2	43.1	43.0	42.9	42.8	42.6	42.5	42.3	42.2	42.2
41.25°	43.8	43.7	43.6	43.5	43.4	43.3	43.1	43.0	42.8	42.7	42.5
40°	44.3	44.2	44.2	44.0	43.9	43.8	43.7	43.5	43.3	43.2	43.0
38.75°	45.2	45.0	44.9	44.6	44.5	44.3	44.2	44.0	43.8	43.6	43.4
37.5°	46.2	46.1	45.9	45.7	45.4	45.1	44.8	44.5	44.3	44.1	43.9
36.25°	48.3	47.9	47.4	46.8	46.4	46.1	45.8	45.5	45.1	44.7	44.4
35°	51.0	50.6	50.0	49.4	48.7	47.9	47.1	46.4	46.1	45.7	45.2



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	56.8	55.4	53.8	52.0	51.3	50.5	49.6	48.6	47.6	46.6	46.1
32.5°	64.5	63.0	61.3	59.4	57.2	54.8	52.1	51.1	50.0	48.9	47.7
31.25°	72.5	70.8	68.9	66.8	64.5	62.0	59.3	56.3	53.1	51.3	50.0
30°	80.7	79.0	77.0	74.7	72.1	69.3	66.3	63.2	59.9	56.4	52.7
28.75°	90.1	87.8	85.1	82.6	79.9	77.0	73.8	70.3	66.7	63.0	59.1
27.5°	112.2	106.0	98.7	92.2	88.6	84.6	81.2	77.6	73.7	69.6	65.5
26.25°	168.2	152.8	136.2	117.3	106.6	95.9	89.8	84.9	80.8	76.5	72.1
25°	250.9	227.3	203.6	176.5	151.0	126.6	108.5	95.4	88.7	83.3	78.7
23.75°	345.3	319.1	289.3	255.8	220.2	185.5	152.1	122.4	104.2	91.6	85.3
22.5°	442.3	414.1	381.4	345.0	304.5	261.7	217.5	175.4	139.4	110.6	93.9
21.25°	534.6	506.8	474.7	436.0	392.5	345.7	295.9	244.1	195.2	150.8	114.4
20°	613.3	588.3	558.7	522.5	480.0	430.9	377.3	321.2	263.5	207.3	156.6
18.75°	684.4	657.6	630.0	597.6	558.4	511.9	458.9	399.0	336.8	273.2	211.3
17.5°	775.5	734.8	699.8	661.4	625.2	582.7	533.6	475.3	409.9	342.0	273.2
16.25°	898.9	843.0	789.2	733.6	687.9	643.0	597.5	544.3	480.6	409.9	336.8
15°	1055.7	982.3	906.5	830.2	764.3	704.6	652.0	602.5	544.3	475.3	399.0
13.75°	1251.1	1153.8	1051.4	951.5	861.6	779.9	710.2	652.0	597.5	533.6	458.9
12.5°	1470.9	1353.9	1226.4	1095.3	978.7	872.2	779.9	704.6	643.0	582.7	511.9
11.25°	1707.7	1569.0	1418.3	1263.5	1112.9	978.7	861.6	764.3	687.9	625.2	558.4
10°	1949.0	1790.2	1619.3	1440.1	1263.5	1095.3	951.5	830.2	733.6	661.4	597.6
8.75°	2195.7	2013.0	1818.3	1619.3	1418.3	1226.4	1051.4	906.5	789.2	699.8	630.0
7.5°	2432.3	2231.1	2013.0	1790.2	1569.0	1353.9	1153.8	982.3	843.0	734.8	657.6
6.25°	2649.8	2432.3	2195.7	1949.0	1707.7	1470.9	1251.1	1055.7	898.9	775.5	684.4
5°	2844.7	2608.6	2357.1	2092.8	1829.9	1578.8	1340.6	1124.5	946.2	809.5	708.1
3.75°	2997.8	2755.1	2488.4	2211.4	1931.1	1665.6	1413.4	1185.1	991.8	839.4	726.8
2.5°	3108.3	2864.9	2587.0	2300.2	2009.3	1731.2	1467.1	1229.3	1024.9	864.5	742.5
1.25°	3173.2	2929.5	2647.9	2355.0	2057.4	1771.6	1502.4	1256.1	1045.0	879.7	753.4
0°	3195.7	2951.6	2668.6	2373.5	2073.6	1785.2	1514.3	1265.1	1051.8	884.8	757.1
-1.25°	3173.2	2929.5	2647.9	2355.0	2057.4	1771.6	1502.4	1256.1	1045.0	879.7	753.4
-2.5°	3108.3	2864.9	2587.0	2300.2	2009.3	1731.2	1467.1	1229.3	1024.9	864.5	742.5
-3.75°	2997.8	2755.1	2488.4	2211.4	1931.1	1665.6	1413.4	1185.1	991.8	839.4	726.8
-5°	2844.7	2608.6	2357.1	2092.8	1829.9	1578.8	1340.6	1124.5	946.2	809.5	708.1
-6.25°	2649.8	2432.3	2195.7	1949.0	1707.7	1470.9	1251.1	1055.7	898.9	775.5	684.4
-7.5°	2432.3	2231.1	2013.0	1790.2	1569.0	1353.9	1153.8	982.3	843.0	734.8	657.6
-8.75°	2195.7	2013.0	1818.3	1619.3	1418.3	1226.4	1051.4	906.5	789.2	699.8	630.0
-10°	1949.0	1790.2	1619.3	1440.1	1263.5	1095.3	951.5	830.2	733.6	661.4	597.6
-11.25°	1707.7	1569.0	1418.3	1263.5	1112.9	978.7	861.6	764.3	687.9	625.2	558.4
-12.5°	1470.9	1353.9	1226.4	1095.3	978.7	872.2	779.9	704.6	643.0	582.7	511.9
-13.75°	1251.1	1153.8	1051.4	951.5	861.6	779.9	710.2	652.0	597.5	533.6	458.9
-15°	1055.7	982.3	906.5	830.2	764.3	704.6	652.0	602.5	544.3	475.3	399.0
-16.25°	898.9	843.0	789.2	733.6	687.9	643.0	597.5	544.3	480.6	409.9	336.8
-17.5°	775.5	734.8	699.8	661.4	625.2	582.7	533.6	475.3	409.9	342.0	273.2
-18.75°	684.4	657.6	630.0	597.6	558.4	511.9	458.9	399.0	336.8	273.2	211.3
-20°	613.3	588.3	558.7	522.5	480.0	430.9	377.3	321.2	263.5	207.3	156.6
-21.25°	534.6	506.8	474.7	436.0	392.5	345.7	295.9	244.1	195.2	150.8	114.4



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	442.3	414.1	381.4	345.0	304.5	261.7	217.5	175.4	139.4	110.6	93.9
-23.75°	345.3	319.1	289.3	255.8	220.2	185.5	152.1	122.4	104.2	91.6	85.3
-25°	250.9	227.3	203.6	176.5	151.0	126.6	108.5	95.4	88.7	83.3	78.7
-26.25°	168.2	152.8	136.2	117.3	106.6	95.9	89.8	84.9	80.8	76.5	72.1
-27.5°	112.2	106.0	98.7	92.2	88.6	84.6	81.2	77.6	73.7	69.6	65.5
-28.75°	90.1	87.8	85.1	82.6	79.9	77.0	73.8	70.3	66.7	63.0	59.1
-30°	80.7	79.0	77.0	74.7	72.1	69.3	66.3	63.2	59.9	56.4	52.7
-31.25°	72.5	70.8	68.9	66.8	64.5	62.0	59.3	56.3	53.1	51.3	50.0
-32.5°	64.5	63.0	61.3	59.4	57.2	54.8	52.1	51.1	50.0	48.9	47.7
-33.75°	56.8	55.4	53.8	52.0	51.3	50.5	49.6	48.6	47.6	46.6	46.1
-35°	51.0	50.6	50.0	49.4	48.7	47.9	47.1	46.4	46.1	45.7	45.2
-36.25°	48.3	47.9	47.4	46.8	46.4	46.1	45.8	45.5	45.1	44.7	44.4
-37.5°	46.2	46.1	45.9	45.7	45.4	45.1	44.8	44.5	44.3	44.1	43.9
-38.75°	45.2	45.0	44.9	44.6	44.5	44.3	44.2	44.0	43.8	43.6	43.4
-40°	44.3	44.2	44.2	44.0	43.9	43.8	43.7	43.5	43.3	43.2	43.0
-41.25°	43.8	43.7	43.6	43.5	43.4	43.3	43.1	43.0	42.8	42.7	42.5
-42.5°	43.2	43.2	43.1	43.0	42.9	42.8	42.6	42.5	42.3	42.2	42.2
-43.75°	42.7	42.6	42.5	42.5	42.3	42.3	42.2	42.1	42.1	42.0	41.9
-45°	42.2	42.2	42.2	42.1	42.1	42.0	42.0	41.9	41.9	41.8	41.6
-46.25°	42.0	42.0	41.9	41.9	41.8	41.8	41.7	41.5	41.4	41.3	41.1
-47.5°	41.7	41.6	41.5	41.5	41.4	41.3	41.1	41.0	40.9	40.8	40.6
-48.75°	41.1	41.1	41.0	40.9	40.8	40.7	40.7	40.6	40.5	40.5	40.4
-50°	40.6	40.6	40.6	40.5	40.5	40.4	40.4	40.3	40.2	40.2	40.1
-51.25°	40.3	40.3	40.3	40.2	40.2	40.1	40.1	39.9	39.7	39.6	39.4
-52.5°	39.9	39.9	39.8	39.7	39.6	39.4	39.3	39.2	39.0	38.8	38.6
-53.75°	39.1	39.1	39.0	38.9	38.8	38.7	38.5	38.3	38.1	37.8	37.5
-55°	38.2	38.1	38.0	37.8	37.7	37.5	37.3	37.0	36.8	36.5	36.2
-56.25°	36.9	36.8	36.7	36.5	36.4	36.2	36.0	35.8	35.5	35.3	35.0
-57.5°	35.6	35.5	35.3	35.2	35.0	34.9	34.7	34.5	34.2	34.0	33.7
-58.75°	34.2	34.1	34.0	33.9	33.7	33.6	33.4	33.2	33.0	32.7	32.5
-60°	32.9	32.8	32.7	32.6	32.4	32.3	32.1	31.9	31.7	31.5	31.2
-61.25°	31.5	31.5	31.4	31.2	31.1	30.9	30.8	30.6	30.4	30.1	29.8
-62.5°	30.1	30.0	29.9	29.7	29.5	29.3	29.1	28.9	28.6	28.3	28.0
-63.75°	28.2	28.1	28.0	27.8	27.7	27.5	27.3	27.0	26.8	26.5	26.1
-65°	26.3	26.2	26.0	25.8	25.6	25.4	25.1	24.8	24.5	24.2	23.8
-66.25°	23.9	23.7	23.6	23.4	23.2	23.0	22.7	22.5	22.2	21.9	21.6
-67.5°	21.5	21.4	21.3	21.2	21.0	20.8	20.7	20.5	20.3	20.0	19.8
-68.75°	19.6	19.5	19.4	19.3	19.2	19.0	18.8	18.6	18.5	18.2	18.0
-70°	17.7	17.6	17.5	17.4	17.3	17.1	17.0	16.8	16.6	16.4	16.2
-71.25°	15.8	15.7	15.7	15.6	15.4	15.3	15.2	15.0	14.8	14.6	14.4
-72.5°	14.0	14.0	13.9	13.9	13.8	13.7	13.6	13.6	13.5	13.4	13.3
-73.75°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.2
-75°	11.9	11.8	11.8	11.8	11.8	11.7	11.7	11.7	11.6	11.6	11.5
-76.25°	11.3	11.3	11.3	11.3	11.2	11.2	11.2	11.1	11.1	11.1	11.0
-77.5°	10.8	10.7	10.7	10.7	10.6	10.6	10.6	10.5	10.5	10.4	10.4



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6
-80°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6
-81.25°	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.3
-82.5°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
-83.75°	5.4	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1
-85°	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1
-86.25°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1
-87.5°	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
-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: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
87.5°	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9
86.25°	3.1	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8
85°	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6
83.75°	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.5
82.5°	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5
81.25°	7.3	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.6	6.5	6.4
80°	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.5
78.75°	9.6	9.5	9.4	9.4	9.3	9.2	9.2	9.0	8.9	8.8	8.6
77.5°	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7	9.6	9.5
76.25°	11.0	10.9	10.9	10.8	10.8	10.7	10.6	10.5	10.4	10.3	10.2
75°	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	10.9	10.8
73.75°	12.1	12.0	11.9	11.8	11.8	11.7	11.6	11.5	11.5	11.4	11.3
72.5°	13.1	13.0	12.9	12.8	12.6	12.5	12.3	12.2	12.0	11.9	11.8
71.25°	14.2	14.0	13.9	13.8	13.6	13.4	13.3	13.1	12.9	12.7	12.5
70°	16.0	15.8	15.5	15.2	14.9	14.7	14.3	14.1	13.9	13.7	13.5
68.75°	17.8	17.5	17.2	16.9	16.6	16.3	16.0	15.7	15.3	14.9	14.6
67.5°	19.5	19.3	19.0	18.7	18.3	18.0	17.7	17.3	16.9	16.5	16.1
66.25°	21.3	21.0	20.7	20.4	20.0	19.7	19.3	18.9	18.5	18.1	17.7
65°	23.5	23.1	22.6	22.2	21.7	21.4	21.0	20.6	20.1	19.7	19.2
63.75°	25.7	25.3	24.9	24.4	23.9	23.4	22.9	22.3	21.7	21.3	20.8
62.5°	27.7	27.3	27.0	26.6	26.1	25.6	25.0	24.4	23.8	23.2	22.5
61.25°	29.4	29.1	28.7	28.3	27.9	27.4	27.0	26.5	25.8	25.2	24.5
60°	31.0	30.7	30.4	30.0	29.6	29.1	28.6	28.1	27.6	27.1	26.5
58.75°	32.2	31.9	31.6	31.3	31.0	30.6	30.2	29.7	29.2	28.6	28.0
57.5°	33.5	33.2	32.8	32.5	32.2	31.8	31.4	31.1	30.6	30.2	29.6
56.25°	34.7	34.4	34.1	33.7	33.4	33.0	32.6	32.2	31.8	31.3	30.9
55°	35.9	35.6	35.3	34.9	34.5	34.1	33.7	33.3	32.9	32.4	31.9
53.75°	37.2	36.8	36.5	36.1	35.7	35.3	34.9	34.4	34.0	33.5	33.0
52.5°	38.4	38.0	37.7	37.3	36.9	36.4	36.0	35.5	35.1	34.6	34.1
51.25°	39.2	38.9	38.7	38.5	38.0	37.6	37.1	36.6	36.2	35.6	35.1
50°	39.9	39.7	39.4	39.2	38.9	38.6	38.2	37.7	37.2	36.7	36.2
48.75°	40.3	40.2	40.1	39.9	39.6	39.3	39.0	38.7	38.3	37.8	37.2
47.5°	40.6	40.5	40.4	40.3	40.2	40.0	39.7	39.3	39.0	38.7	38.2
46.25°	40.9	40.8	40.6	40.5	40.4	40.3	40.2	40.0	39.6	39.3	38.9
45°	41.4	41.2	41.0	40.8	40.7	40.5	40.4	40.3	40.2	39.9	39.5
43.75°	41.8	41.7	41.5	41.3	41.1	40.9	40.7	40.5	40.4	40.3	40.1
42.5°	42.1	42.0	41.9	41.8	41.5	41.3	41.1	40.8	40.6	40.5	40.3
41.25°	42.3	42.2	42.1	42.0	41.9	41.8	41.5	41.2	41.0	40.7	40.5
40°	42.8	42.5	42.3	42.2	42.1	42.0	41.9	41.7	41.4	41.1	40.8
38.75°	43.2	43.0	42.8	42.5	42.3	42.2	42.1	41.9	41.8	41.5	41.2
37.5°	43.7	43.5	43.2	43.0	42.7	42.5	42.2	42.1	42.0	41.8	41.6
36.25°	44.2	43.9	43.7	43.4	43.2	42.9	42.6	42.3	42.2	42.0	41.9
35°	44.8	44.4	44.1	43.9	43.6	43.3	43.0	42.7	42.4	42.2	42.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	45.7	45.2	44.7	44.3	44.0	43.7	43.4	43.1	42.8	42.4	42.2
32.5°	46.5	46.0	45.5	44.9	44.4	44.1	43.8	43.5	43.1	42.8	42.5
31.25°	48.7	47.3	46.3	45.8	45.2	44.6	44.2	43.9	43.5	43.2	42.8
30°	50.9	49.5	48.0	46.5	45.9	45.3	44.7	44.2	43.9	43.5	43.1
28.75°	55.1	51.7	50.1	48.5	46.9	46.0	45.4	44.7	44.2	43.9	43.5
27.5°	61.3	56.9	52.3	50.5	48.8	47.1	46.1	45.4	44.7	44.2	43.8
26.25°	67.4	62.8	58.1	53.2	50.7	48.9	47.1	46.0	45.3	44.6	44.1
25°	73.8	68.7	63.8	58.7	53.5	50.7	48.8	46.9	45.9	45.2	44.4
23.75°	80.1	74.8	69.4	64.1	58.7	53.2	50.5	48.5	46.5	45.8	44.9
22.5°	86.7	80.8	75.2	69.4	63.8	58.1	52.3	50.1	48.0	46.3	45.5
21.25°	96.4	87.2	80.8	74.8	68.7	62.8	56.9	51.7	49.5	47.3	46.0
20°	115.9	96.4	86.7	80.1	73.8	67.4	61.3	55.1	50.9	48.7	46.5
18.75°	156.6	114.4	93.9	85.3	78.7	72.1	65.5	59.1	52.7	50.0	47.7
17.5°	207.3	150.8	110.6	91.6	83.3	76.5	69.6	63.0	56.4	51.3	48.9
16.25°	263.5	195.2	139.4	104.2	88.7	80.8	73.7	66.7	59.9	53.1	50.0
15°	321.2	244.1	175.4	122.4	95.4	84.9	77.6	70.3	63.2	56.3	51.1
13.75°	377.3	295.9	217.5	152.1	108.5	89.8	81.2	73.8	66.3	59.3	52.1
12.5°	430.9	345.7	261.7	185.5	126.6	95.9	84.6	77.0	69.3	62.0	54.8
11.25°	480.0	392.5	304.5	220.2	151.0	106.6	88.6	79.9	72.1	64.5	57.2
10°	522.5	436.0	345.0	255.8	176.5	117.3	92.2	82.6	74.7	66.8	59.4
8.75°	558.7	474.7	381.4	289.3	203.6	136.2	98.7	85.1	77.0	68.9	61.3
7.5°	588.3	506.8	414.1	319.1	227.3	152.8	106.0	87.8	79.0	70.8	63.0
6.25°	613.3	534.6	442.3	345.3	250.9	168.2	112.2	90.1	80.7	72.5	64.5
5°	631.9	555.7	465.7	366.9	270.7	184.2	119.6	92.0	82.1	73.8	65.7
3.75°	646.7	571.5	482.9	383.9	286.2	196.8	128.3	93.9	83.2	74.8	66.6
2.5°	657.3	582.8	495.2	396.4	297.4	205.8	134.6	96.6	84.0	75.6	67.3
1.25°	663.7	589.7	502.6	403.9	304.1	211.2	138.4	98.3	84.4	76.0	67.7
0°	665.9	592.0	505.1	406.4	306.4	213.0	139.7	98.9	84.6	76.2	67.8
-1.25°	663.7	589.7	502.6	403.9	304.1	211.2	138.4	98.3	84.4	76.0	67.7
-2.5°	657.3	582.8	495.2	396.4	297.4	205.8	134.6	96.6	84.0	75.6	67.3
-3.75°	646.7	571.5	482.9	383.9	286.2	196.8	128.3	93.9	83.2	74.8	66.6
-5°	631.9	555.7	465.7	366.9	270.7	184.2	119.6	92.0	82.1	73.8	65.7
-6.25°	613.3	534.6	442.3	345.3	250.9	168.2	112.2	90.1	80.7	72.5	64.5
-7.5°	588.3	506.8	414.1	319.1	227.3	152.8	106.0	87.8	79.0	70.8	63.0
-8.75°	558.7	474.7	381.4	289.3	203.6	136.2	98.7	85.1	77.0	68.9	61.3
-10°	522.5	436.0	345.0	255.8	176.5	117.3	92.2	82.6	74.7	66.8	59.4
-11.25°	480.0	392.5	304.5	220.2	151.0	106.6	88.6	79.9	72.1	64.5	57.2
-12.5°	430.9	345.7	261.7	185.5	126.6	95.9	84.6	77.0	69.3	62.0	54.8
-13.75°	377.3	295.9	217.5	152.1	108.5	89.8	81.2	73.8	66.3	59.3	52.1
-15°	321.2	244.1	175.4	122.4	95.4	84.9	77.6	70.3	63.2	56.3	51.1
-16.25°	263.5	195.2	139.4	104.2	88.7	80.8	73.7	66.7	59.9	53.1	50.0
-17.5°	207.3	150.8	110.6	91.6	83.3	76.5	69.6	63.0	56.4	51.3	48.9
-18.75°	156.6	114.4	93.9	85.3	78.7	72.1	65.5	59.1	52.7	50.0	47.7
-20°	115.9	96.4	86.7	80.1	73.8	67.4	61.3	55.1	50.9	48.7	46.5
-21.25°	96.4	87.2	80.8	74.8	68.7	62.8	56.9	51.7	49.5	47.3	46.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	86.7	80.8	75.2	69.4	63.8	58.1	52.3	50.1	48.0	46.3	45.5
-23.75°	80.1	74.8	69.4	64.1	58.7	53.2	50.5	48.5	46.5	45.8	44.9
-25°	73.8	68.7	63.8	58.7	53.5	50.7	48.8	46.9	45.9	45.2	44.4
-26.25°	67.4	62.8	58.1	53.2	50.7	48.9	47.1	46.0	45.3	44.6	44.1
-27.5°	61.3	56.9	52.3	50.5	48.8	47.1	46.1	45.4	44.7	44.2	43.8
-28.75°	55.1	51.7	50.1	48.5	46.9	46.0	45.4	44.7	44.2	43.9	43.5
-30°	50.9	49.5	48.0	46.5	45.9	45.3	44.7	44.2	43.9	43.5	43.1
-31.25°	48.7	47.3	46.3	45.8	45.2	44.6	44.2	43.9	43.5	43.2	42.8
-32.5°	46.5	46.0	45.5	44.9	44.4	44.1	43.8	43.5	43.1	42.8	42.5
-33.75°	45.7	45.2	44.7	44.3	44.0	43.7	43.4	43.1	42.8	42.4	42.2
-35°	44.8	44.4	44.1	43.9	43.6	43.3	43.0	42.7	42.4	42.2	42.0
-36.25°	44.2	43.9	43.7	43.4	43.2	42.9	42.6	42.3	42.2	42.0	41.9
-37.5°	43.7	43.5	43.2	43.0	42.7	42.5	42.2	42.1	42.0	41.8	41.6
-38.75°	43.2	43.0	42.8	42.5	42.3	42.2	42.1	41.9	41.8	41.5	41.2
-40°	42.8	42.5	42.3	42.2	42.1	42.0	41.9	41.7	41.4	41.1	40.8
-41.25°	42.3	42.2	42.1	42.0	41.9	41.8	41.5	41.2	41.0	40.7	40.5
-42.5°	42.1	42.0	41.9	41.8	41.5	41.3	41.1	40.8	40.6	40.5	40.3
-43.75°	41.8	41.7	41.5	41.3	41.1	40.9	40.7	40.5	40.4	40.3	40.1
-45°	41.4	41.2	41.0	40.8	40.7	40.5	40.4	40.3	40.2	39.9	39.5
-46.25°	40.9	40.8	40.6	40.5	40.4	40.3	40.2	40.0	39.6	39.3	38.9
-47.5°	40.6	40.5	40.4	40.3	40.2	40.0	39.7	39.3	39.0	38.7	38.2
-48.75°	40.3	40.2	40.1	39.9	39.6	39.3	39.0	38.7	38.3	37.8	37.2
-50°	39.9	39.7	39.4	39.2	38.9	38.6	38.2	37.7	37.2	36.7	36.2
-51.25°	39.2	38.9	38.7	38.5	38.0	37.6	37.1	36.6	36.2	35.6	35.1
-52.5°	38.4	38.0	37.7	37.3	36.9	36.4	36.0	35.5	35.1	34.6	34.1
-53.75°	37.2	36.8	36.5	36.1	35.7	35.3	34.9	34.4	34.0	33.5	33.0
-55°	35.9	35.6	35.3	34.9	34.5	34.1	33.7	33.3	32.9	32.4	31.9
-56.25°	34.7	34.4	34.1	33.7	33.4	33.0	32.6	32.2	31.8	31.3	30.9
-57.5°	33.5	33.2	32.8	32.5	32.2	31.8	31.4	31.1	30.6	30.2	29.6
-58.75°	32.2	31.9	31.6	31.3	31.0	30.6	30.2	29.7	29.2	28.6	28.0
-60°	31.0	30.7	30.4	30.0	29.6	29.1	28.6	28.1	27.6	27.1	26.5
-61.25°	29.4	29.1	28.7	28.3	27.9	27.4	27.0	26.5	25.8	25.2	24.5
-62.5°	27.7	27.3	27.0	26.6	26.1	25.6	25.0	24.4	23.8	23.2	22.5
-63.75°	25.7	25.3	24.9	24.4	23.9	23.4	22.9	22.3	21.7	21.3	20.8
-65°	23.5	23.1	22.6	22.2	21.7	21.4	21.0	20.6	20.1	19.7	19.2
-66.25°	21.3	21.0	20.7	20.4	20.0	19.7	19.3	18.9	18.5	18.1	17.7
-67.5°	19.5	19.3	19.0	18.7	18.3	18.0	17.7	17.3	16.9	16.5	16.1
-68.75°	17.8	17.5	17.2	16.9	16.6	16.3	16.0	15.7	15.3	14.9	14.6
-70°	16.0	15.8	15.5	15.2	14.9	14.7	14.3	14.1	13.9	13.7	13.5
-71.25°	14.2	14.0	13.9	13.8	13.6	13.4	13.3	13.1	12.9	12.7	12.5
-72.5°	13.1	13.0	12.9	12.8	12.6	12.5	12.3	12.2	12.0	11.9	11.8
-73.75°	12.1	12.0	11.9	11.8	11.8	11.7	11.6	11.5	11.5	11.4	11.3
-75°	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	10.9	10.8
-76.25°	11.0	10.9	10.9	10.8	10.8	10.7	10.6	10.5	10.4	10.3	10.2
-77.5°	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7	9.6	9.5



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	9.6	9.5	9.4	9.4	9.3	9.2	9.2	9.0	8.9	8.8	8.6
-80°	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.5
-81.25°	7.3	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.6	6.5	6.4
-82.5°	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5
-83.75°	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.5
-85°	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6
-86.25°	3.1	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8
-87.5°	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
86.25°	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3
85°	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0
83.75°	4.5	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7
82.5°	5.4	5.3	5.2	5.1	5.0	4.9	4.9	4.8	4.7	4.6	4.5
81.25°	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
80°	7.4	7.2	7.1	7.0	6.8	6.7	6.5	6.4	6.2	6.1	6.0
78.75°	8.5	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.1	7.0	6.8
77.5°	9.4	9.3	9.2	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.7
76.25°	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.3	9.1	8.8	8.6
75°	10.8	10.6	10.5	10.4	10.3	10.1	10.0	9.8	9.7	9.5	9.4
73.75°	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.1	9.9
72.5°	11.7	11.6	11.5	11.4	11.3	11.2	11.0	10.9	10.8	10.7	10.5
71.25°	12.3	12.1	11.9	11.8	11.7	11.6	11.5	11.3	11.2	11.1	11.0
70°	13.2	13.0	12.8	12.6	12.3	12.1	11.9	11.7	11.6	11.5	11.3
68.75°	14.2	13.9	13.7	13.4	13.1	12.9	12.6	12.3	12.1	11.8	11.7
67.5°	15.7	15.3	14.8	14.4	14.0	13.7	13.4	13.1	12.8	12.5	12.2
66.25°	17.2	16.8	16.3	15.8	15.3	14.8	14.3	13.9	13.6	13.3	12.9
65°	18.8	18.3	17.8	17.3	16.8	16.2	15.7	15.1	14.5	14.0	13.7
63.75°	20.3	19.8	19.3	18.7	18.2	17.6	17.0	16.4	15.8	15.2	14.6
62.5°	21.9	21.3	20.7	20.2	19.6	19.0	18.4	17.8	17.1	16.5	15.8
61.25°	23.8	23.1	22.3	21.6	21.0	20.4	19.7	19.1	18.4	17.7	17.0
60°	25.7	25.0	24.2	23.4	22.6	21.7	21.1	20.4	19.7	19.0	18.2
58.75°	27.4	26.8	26.1	25.2	24.4	23.5	22.6	21.7	21.0	20.2	19.5
57.5°	28.9	28.3	27.6	27.0	26.2	25.2	24.3	23.3	22.4	21.4	20.7
56.25°	30.4	29.7	29.1	28.4	27.6	26.9	26.0	25.0	24.0	22.9	21.9
55°	31.5	31.0	30.5	29.7	29.0	28.2	27.4	26.6	25.6	24.5	23.4
53.75°	32.5	32.0	31.5	30.9	30.3	29.5	28.7	27.9	27.0	26.0	24.9
52.5°	33.5	33.0	32.5	31.9	31.3	30.7	30.0	29.1	28.3	27.4	26.4
51.25°	34.6	34.0	33.4	32.9	32.3	31.6	31.0	30.4	29.5	28.5	27.6
50°	35.6	35.0	34.4	33.8	33.2	32.6	31.9	31.3	30.6	29.7	28.7
48.75°	36.6	36.0	35.4	34.8	34.1	33.5	32.8	32.1	31.4	30.7	29.8
47.5°	37.6	37.0	36.4	35.7	35.0	34.4	33.7	33.0	32.2	31.5	30.8
46.25°	38.6	38.0	37.3	36.6	35.9	35.2	34.5	33.8	33.1	32.3	31.6
45°	39.1	38.8	38.2	37.6	36.8	36.1	35.4	34.6	33.9	33.1	32.3
43.75°	39.7	39.3	38.9	38.5	37.7	37.0	36.2	35.5	34.7	33.9	33.1
42.5°	40.2	39.9	39.4	39.0	38.6	37.8	37.1	36.3	35.5	34.6	33.8
41.25°	40.4	40.2	40.0	39.5	39.1	38.6	37.9	37.1	36.2	35.4	34.5
40°	40.6	40.4	40.3	40.1	39.6	39.1	38.6	37.8	37.0	36.1	35.2
38.75°	40.9	40.6	40.5	40.3	40.1	39.6	39.1	38.6	37.7	36.8	35.9
37.5°	41.3	40.9	40.6	40.5	40.3	40.1	39.5	39.0	38.5	37.6	36.6
36.25°	41.6	41.3	41.0	40.6	40.5	40.3	40.0	39.4	38.9	38.2	37.3
35°	41.9	41.6	41.3	40.9	40.6	40.4	40.2	39.9	39.3	38.8	38.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	42.0	41.9	41.6	41.3	40.9	40.6	40.4	40.2	39.7	39.1	38.6
32.5°	42.2	42.0	41.9	41.6	41.2	40.8	40.5	40.3	40.1	39.5	38.9
31.25°	42.4	42.2	42.0	41.8	41.5	41.1	40.7	40.5	40.3	39.9	39.3
30°	42.8	42.4	42.2	42.0	41.8	41.4	41.0	40.6	40.4	40.2	39.6
28.75°	43.1	42.7	42.3	42.1	41.9	41.7	41.2	40.8	40.5	40.3	40.0
27.5°	43.4	43.0	42.6	42.2	42.1	41.9	41.5	41.1	40.7	40.4	40.2
26.25°	43.7	43.3	42.9	42.5	42.2	42.0	41.8	41.3	40.9	40.5	40.3
25°	44.0	43.6	43.2	42.7	42.3	42.1	41.9	41.5	41.1	40.7	40.4
23.75°	44.3	43.9	43.4	43.0	42.5	42.2	42.0	41.8	41.3	40.8	40.5
22.5°	44.7	44.1	43.7	43.2	42.8	42.3	42.1	41.9	41.5	41.0	40.6
21.25°	45.2	44.4	43.9	43.5	43.0	42.5	42.2	42.0	41.7	41.2	40.8
20°	45.7	44.8	44.2	43.7	43.2	42.8	42.3	42.1	41.8	41.4	40.9
18.75°	46.1	45.2	44.4	43.9	43.4	43.0	42.5	42.2	41.9	41.6	41.1
17.5°	46.6	45.7	44.7	44.1	43.6	43.2	42.7	42.2	42.0	41.8	41.3
16.25°	47.6	46.1	45.1	44.3	43.8	43.3	42.8	42.3	42.1	41.9	41.4
15°	48.6	46.4	45.5	44.5	44.0	43.5	43.0	42.5	42.1	41.9	41.5
13.75°	49.6	47.1	45.8	44.8	44.2	43.7	43.1	42.6	42.2	42.0	41.7
12.5°	50.5	47.9	46.1	45.1	44.3	43.8	43.3	42.8	42.3	42.0	41.8
11.25°	51.3	48.7	46.4	45.4	44.5	43.9	43.4	42.9	42.3	42.1	41.8
10°	52.0	49.4	46.8	45.7	44.6	44.0	43.5	43.0	42.5	42.1	41.9
8.75°	53.8	50.0	47.4	45.9	44.9	44.2	43.6	43.1	42.5	42.2	41.9
7.5°	55.4	50.6	47.9	46.1	45.0	44.2	43.7	43.2	42.6	42.2	42.0
6.25°	56.8	51.0	48.3	46.2	45.2	44.3	43.8	43.2	42.7	42.2	42.0
5°	57.9	51.4	48.7	46.4	45.3	44.4	43.8	43.3	42.7	42.3	42.0
3.75°	58.8	51.7	49.0	46.5	45.4	44.4	43.9	43.3	42.8	42.3	42.0
2.5°	59.4	51.9	49.2	46.5	45.5	44.5	43.9	43.4	42.8	42.3	42.0
1.25°	59.8	52.1	49.3	46.6	45.5	44.5	43.9	43.4	42.8	42.3	42.0
0°	60.0	52.1	49.4	46.6	45.6	44.5	44.0	43.4	42.9	42.3	42.1
-1.25°	59.8	52.1	49.3	46.6	45.5	44.5	43.9	43.4	42.8	42.3	42.0
-2.5°	59.4	51.9	49.2	46.5	45.5	44.5	43.9	43.4	42.8	42.3	42.0
-3.75°	58.8	51.7	49.0	46.5	45.4	44.4	43.9	43.3	42.8	42.3	42.0
-5°	57.9	51.4	48.7	46.4	45.3	44.4	43.8	43.3	42.7	42.3	42.0
-6.25°	56.8	51.0	48.3	46.2	45.2	44.3	43.8	43.2	42.7	42.2	42.0
-7.5°	55.4	50.6	47.9	46.1	45.0	44.2	43.7	43.2	42.6	42.2	42.0
-8.75°	53.8	50.0	47.4	45.9	44.9	44.2	43.6	43.1	42.5	42.2	41.9
-10°	52.0	49.4	46.8	45.7	44.6	44.0	43.5	43.0	42.5	42.1	41.9
-11.25°	51.3	48.7	46.4	45.4	44.5	43.9	43.4	42.9	42.3	42.1	41.8
-12.5°	50.5	47.9	46.1	45.1	44.3	43.8	43.3	42.8	42.3	42.0	41.8
-13.75°	49.6	47.1	45.8	44.8	44.2	43.7	43.1	42.6	42.2	42.0	41.7
-15°	48.6	46.4	45.5	44.5	44.0	43.5	43.0	42.5	42.1	41.9	41.5
-16.25°	47.6	46.1	45.1	44.3	43.8	43.3	42.8	42.3	42.1	41.9	41.4
-17.5°	46.6	45.7	44.7	44.1	43.6	43.2	42.7	42.2	42.0	41.8	41.3
-18.75°	46.1	45.2	44.4	43.9	43.4	43.0	42.5	42.2	41.9	41.6	41.1
-20°	45.7	44.8	44.2	43.7	43.2	42.8	42.3	42.1	41.8	41.4	40.9
-21.25°	45.2	44.4	43.9	43.5	43.0	42.5	42.2	42.0	41.7	41.2	40.8



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	44.7	44.1	43.7	43.2	42.8	42.3	42.1	41.9	41.5	41.0	40.6
-23.75°	44.3	43.9	43.4	43.0	42.5	42.2	42.0	41.8	41.3	40.8	40.5
-25°	44.0	43.6	43.2	42.7	42.3	42.1	41.9	41.5	41.1	40.7	40.4
-26.25°	43.7	43.3	42.9	42.5	42.2	42.0	41.8	41.3	40.9	40.5	40.3
-27.5°	43.4	43.0	42.6	42.2	42.1	41.9	41.5	41.1	40.7	40.4	40.2
-28.75°	43.1	42.7	42.3	42.1	41.9	41.7	41.2	40.8	40.5	40.3	40.0
-30°	42.8	42.4	42.2	42.0	41.8	41.4	41.0	40.6	40.4	40.2	39.6
-31.25°	42.4	42.2	42.0	41.8	41.5	41.1	40.7	40.5	40.3	39.9	39.3
-32.5°	42.2	42.0	41.9	41.6	41.2	40.8	40.5	40.3	40.1	39.5	38.9
-33.75°	42.0	41.9	41.6	41.3	40.9	40.6	40.4	40.2	39.7	39.1	38.6
-35°	41.9	41.6	41.3	40.9	40.6	40.4	40.2	39.9	39.3	38.8	38.0
-36.25°	41.6	41.3	41.0	40.6	40.5	40.3	40.0	39.4	38.9	38.2	37.3
-37.5°	41.3	40.9	40.6	40.5	40.3	40.1	39.5	39.0	38.5	37.6	36.6
-38.75°	40.9	40.6	40.5	40.3	40.1	39.6	39.1	38.6	37.7	36.8	35.9
-40°	40.6	40.4	40.3	40.1	39.6	39.1	38.6	37.8	37.0	36.1	35.2
-41.25°	40.4	40.2	40.0	39.5	39.1	38.6	37.9	37.1	36.2	35.4	34.5
-42.5°	40.2	39.9	39.4	39.0	38.6	37.8	37.1	36.3	35.5	34.6	33.8
-43.75°	39.7	39.3	38.9	38.5	37.7	37.0	36.2	35.5	34.7	33.9	33.1
-45°	39.1	38.8	38.2	37.6	36.8	36.1	35.4	34.6	33.9	33.1	32.3
-46.25°	38.6	38.0	37.3	36.6	35.9	35.2	34.5	33.8	33.1	32.3	31.6
-47.5°	37.6	37.0	36.4	35.7	35.0	34.4	33.7	33.0	32.2	31.5	30.8
-48.75°	36.6	36.0	35.4	34.8	34.1	33.5	32.8	32.1	31.4	30.7	29.8
-50°	35.6	35.0	34.4	33.8	33.2	32.6	31.9	31.3	30.6	29.7	28.7
-51.25°	34.6	34.0	33.4	32.9	32.3	31.6	31.0	30.4	29.5	28.5	27.6
-52.5°	33.5	33.0	32.5	31.9	31.3	30.7	30.0	29.1	28.3	27.4	26.4
-53.75°	32.5	32.0	31.5	30.9	30.3	29.5	28.7	27.9	27.0	26.0	24.9
-55°	31.5	31.0	30.5	29.7	29.0	28.2	27.4	26.6	25.6	24.5	23.4
-56.25°	30.4	29.7	29.1	28.4	27.6	26.9	26.0	25.0	24.0	22.9	21.9
-57.5°	28.9	28.3	27.6	27.0	26.2	25.2	24.3	23.3	22.4	21.4	20.7
-58.75°	27.4	26.8	26.1	25.2	24.4	23.5	22.6	21.7	21.0	20.2	19.5
-60°	25.7	25.0	24.2	23.4	22.6	21.7	21.1	20.4	19.7	19.0	18.2
-61.25°	23.8	23.1	22.3	21.6	21.0	20.4	19.7	19.1	18.4	17.7	17.0
-62.5°	21.9	21.3	20.7	20.2	19.6	19.0	18.4	17.8	17.1	16.5	15.8
-63.75°	20.3	19.8	19.3	18.7	18.2	17.6	17.0	16.4	15.8	15.2	14.6
-65°	18.8	18.3	17.8	17.3	16.8	16.2	15.7	15.1	14.5	14.0	13.7
-66.25°	17.2	16.8	16.3	15.8	15.3	14.8	14.3	13.9	13.6	13.3	12.9
-67.5°	15.7	15.3	14.8	14.4	14.0	13.7	13.4	13.1	12.8	12.5	12.2
-68.75°	14.2	13.9	13.7	13.4	13.1	12.9	12.6	12.3	12.1	11.8	11.7
-70°	13.2	13.0	12.8	12.6	12.3	12.1	11.9	11.7	11.6	11.5	11.3
-71.25°	12.3	12.1	11.9	11.8	11.7	11.6	11.5	11.3	11.2	11.1	11.0
-72.5°	11.7	11.6	11.5	11.4	11.3	11.2	11.0	10.9	10.8	10.7	10.5
-73.75°	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.1	9.9
-75°	10.8	10.6	10.5	10.4	10.3	10.1	10.0	9.8	9.7	9.5	9.4
-76.25°	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.3	9.1	8.8	8.6
-77.5°	9.4	9.3	9.2	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.7



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	8.5	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.1	7.0	6.8
-80°	7.4	7.2	7.1	7.0	6.8	6.7	6.5	6.4	6.2	6.1	6.0
-81.25°	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
-82.5°	5.4	5.3	5.2	5.1	5.0	4.9	4.9	4.8	4.7	4.6	4.5
-83.75°	4.5	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7
-85°	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0
-86.25°	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3
-87.5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
-88.75°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5
87.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
86.25°	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6
85°	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.4	2.3	2.2
83.75°	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
82.5°	4.4	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2
81.25°	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.2	4.0	3.9	3.8
80°	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.4	4.3
78.75°	6.6	6.4	6.2	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.8
77.5°	7.5	7.3	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4
76.25°	8.4	8.1	7.9	7.6	7.4	7.1	6.9	6.6	6.4	6.1	5.9
75°	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.3	7.0	6.7	6.4
73.75°	9.8	9.6	9.4	9.3	9.0	8.7	8.4	8.1	7.7	7.4	7.1
72.5°	10.3	10.1	9.9	9.7	9.6	9.4	9.1	8.8	8.4	8.1	7.7
71.25°	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.8	8.4
70°	11.2	11.0	10.9	10.7	10.5	10.3	10.0	9.8	9.6	9.3	9.0
68.75°	11.5	11.4	11.2	11.1	10.9	10.7	10.5	10.2	10.0	9.7	9.5
67.5°	11.9	11.7	11.6	11.4	11.2	11.1	10.9	10.7	10.4	10.1	9.9
66.25°	12.6	12.3	11.9	11.7	11.5	11.4	11.2	11.0	10.8	10.5	10.2
65°	13.3	12.9	12.6	12.2	11.9	11.7	11.5	11.3	11.1	10.9	10.6
63.75°	14.0	13.6	13.2	12.8	12.4	12.0	11.8	11.6	11.3	11.1	10.9
62.5°	15.1	14.4	13.9	13.5	13.1	12.6	12.2	11.8	11.6	11.4	11.2
61.25°	16.3	15.6	14.9	14.1	13.7	13.2	12.8	12.3	11.9	11.7	11.4
60°	17.5	16.8	16.0	15.2	14.4	13.8	13.4	12.9	12.4	11.9	11.7
58.75°	18.7	17.9	17.1	16.3	15.5	14.7	13.9	13.4	12.9	12.4	11.9
57.5°	19.9	19.0	18.2	17.4	16.5	15.7	14.8	14.0	13.5	12.9	12.4
56.25°	21.0	20.2	19.3	18.4	17.5	16.7	15.7	14.8	14.0	13.4	12.9
55°	22.3	21.3	20.4	19.5	18.6	17.6	16.7	15.7	14.8	13.9	13.4
53.75°	23.7	22.6	21.5	20.5	19.6	18.6	17.6	16.7	15.7	14.7	13.8
52.5°	25.2	24.0	22.7	21.5	20.6	19.6	18.6	17.5	16.5	15.5	14.4
51.25°	26.6	25.4	24.1	22.8	21.5	20.5	19.5	18.4	17.4	16.3	15.2
50°	27.7	26.7	25.4	24.1	22.7	21.5	20.4	19.3	18.2	17.1	16.0
48.75°	28.8	27.8	26.7	25.4	24.0	22.6	21.3	20.2	19.0	17.9	16.8
47.5°	29.9	28.8	27.7	26.6	25.2	23.7	22.3	21.0	19.9	18.7	17.5
46.25°	30.8	29.8	28.7	27.6	26.4	24.9	23.4	21.9	20.7	19.5	18.2
45°	31.5	30.7	29.7	28.5	27.4	26.0	24.5	22.9	21.4	20.2	19.0
43.75°	32.2	31.4	30.6	29.5	28.3	27.0	25.6	24.0	22.4	21.0	19.7
42.5°	33.0	32.1	31.3	30.4	29.1	27.9	26.6	25.0	23.3	21.7	20.4
41.25°	33.7	32.8	31.9	31.0	30.0	28.7	27.4	26.0	24.3	22.6	21.1
40°	34.4	33.5	32.6	31.6	30.7	29.5	28.2	26.9	25.2	23.5	21.7
38.75°	35.0	34.1	33.2	32.3	31.3	30.3	29.0	27.6	26.2	24.4	22.6
37.5°	35.7	34.8	33.8	32.9	31.9	30.9	29.7	28.4	27.0	25.2	23.4
36.25°	36.4	35.4	34.4	33.4	32.5	31.5	30.5	29.1	27.6	26.1	24.2
35°	37.0	36.0	35.0	34.0	33.0	32.0	31.0	29.7	28.3	26.8	25.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	37.6	36.6	35.6	34.6	33.5	32.5	31.5	30.4	28.9	27.4	25.7
32.5°	38.2	37.2	36.2	35.1	34.1	33.0	31.9	30.9	29.6	28.0	26.5
31.25°	38.7	37.8	36.7	35.6	34.6	33.5	32.4	31.3	30.2	28.6	27.1
30°	39.0	38.3	37.2	36.2	35.1	34.0	32.9	31.8	30.6	29.2	27.6
28.75°	39.3	38.7	37.7	36.6	35.5	34.4	33.3	32.2	31.1	29.7	28.1
27.5°	39.7	39.0	38.2	37.1	36.0	34.9	33.7	32.6	31.4	30.2	28.6
26.25°	40.0	39.3	38.6	37.6	36.4	35.3	34.1	33.0	31.8	30.6	29.1
25°	40.2	39.6	38.9	38.0	36.9	35.7	34.5	33.4	32.2	31.0	29.6
23.75°	40.3	39.9	39.2	38.5	37.3	36.1	34.9	33.7	32.5	31.3	30.0
22.5°	40.4	40.1	39.4	38.7	37.7	36.5	35.3	34.1	32.8	31.6	30.4
21.25°	40.5	40.2	39.7	38.9	38.0	36.8	35.6	34.4	33.2	31.9	30.7
20°	40.6	40.3	39.9	39.2	38.4	37.2	35.9	34.7	33.5	32.2	31.0
18.75°	40.6	40.4	40.1	39.4	38.6	37.5	36.2	35.0	33.7	32.5	31.2
17.5°	40.8	40.5	40.2	39.6	38.8	37.8	36.5	35.3	34.0	32.7	31.5
16.25°	40.9	40.5	40.2	39.7	39.0	38.1	36.8	35.5	34.2	33.0	31.7
15°	41.0	40.6	40.3	39.9	39.2	38.3	37.0	35.8	34.5	33.2	31.9
13.75°	41.1	40.7	40.4	40.1	39.3	38.5	37.3	36.0	34.7	33.4	32.1
12.5°	41.3	40.7	40.4	40.1	39.4	38.7	37.5	36.2	34.9	33.6	32.3
11.25°	41.4	40.8	40.5	40.2	39.6	38.8	37.7	36.4	35.0	33.7	32.4
10°	41.5	40.9	40.5	40.2	39.7	38.9	37.8	36.5	35.2	33.9	32.6
8.75°	41.5	41.0	40.6	40.3	39.8	39.0	38.0	36.7	35.3	34.0	32.7
7.5°	41.6	41.1	40.6	40.3	39.9	39.1	38.1	36.8	35.5	34.1	32.8
6.25°	41.7	41.1	40.6	40.3	39.9	39.1	38.2	36.9	35.6	34.2	32.9
5°	41.7	41.2	40.7	40.4	40.0	39.2	38.3	37.0	35.7	34.3	33.0
3.75°	41.8	41.2	40.7	40.4	40.0	39.2	38.4	37.1	35.7	34.4	33.0
2.5°	41.8	41.2	40.7	40.4	40.1	39.3	38.5	37.1	35.8	34.4	33.1
1.25°	41.8	41.2	40.7	40.4	40.1	39.3	38.5	37.1	35.8	34.4	33.1
0°	41.8	41.3	40.7	40.4	40.1	39.3	38.5	37.2	35.8	34.5	33.1
-1.25°	41.8	41.2	40.7	40.4	40.1	39.3	38.5	37.1	35.8	34.4	33.1
-2.5°	41.8	41.2	40.7	40.4	40.1	39.3	38.5	37.1	35.8	34.4	33.1
-3.75°	41.8	41.2	40.7	40.4	40.0	39.2	38.4	37.1	35.7	34.4	33.0
-5°	41.7	41.2	40.7	40.4	40.0	39.2	38.3	37.0	35.7	34.3	33.0
-6.25°	41.7	41.1	40.6	40.3	39.9	39.1	38.2	36.9	35.6	34.2	32.9
-7.5°	41.6	41.1	40.6	40.3	39.9	39.1	38.1	36.8	35.5	34.1	32.8
-8.75°	41.5	41.0	40.6	40.3	39.8	39.0	38.0	36.7	35.3	34.0	32.7
-10°	41.5	40.9	40.5	40.2	39.7	38.9	37.8	36.5	35.2	33.9	32.6
-11.25°	41.4	40.8	40.5	40.2	39.6	38.8	37.7	36.4	35.0	33.7	32.4
-12.5°	41.3	40.7	40.4	40.1	39.4	38.7	37.5	36.2	34.9	33.6	32.3
-13.75°	41.1	40.7	40.4	40.1	39.3	38.5	37.3	36.0	34.7	33.4	32.1
-15°	41.0	40.6	40.3	39.9	39.2	38.3	37.0	35.8	34.5	33.2	31.9
-16.25°	40.9	40.5	40.2	39.7	39.0	38.1	36.8	35.5	34.2	33.0	31.7
-17.5°	40.8	40.5	40.2	39.6	38.8	37.8	36.5	35.3	34.0	32.7	31.5
-18.75°	40.6	40.4	40.1	39.4	38.6	37.5	36.2	35.0	33.7	32.5	31.2
-20°	40.6	40.3	39.9	39.2	38.4	37.2	35.9	34.7	33.5	32.2	31.0
-21.25°	40.5	40.2	39.7	38.9	38.0	36.8	35.6	34.4	33.2	31.9	30.7



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	40.4	40.1	39.4	38.7	37.7	36.5	35.3	34.1	32.8	31.6	30.4
-23.75°	40.3	39.9	39.2	38.5	37.3	36.1	34.9	33.7	32.5	31.3	30.0
-25°	40.2	39.6	38.9	38.0	36.9	35.7	34.5	33.4	32.2	31.0	29.6
-26.25°	40.0	39.3	38.6	37.6	36.4	35.3	34.1	33.0	31.8	30.6	29.1
-27.5°	39.7	39.0	38.2	37.1	36.0	34.9	33.7	32.6	31.4	30.2	28.6
-28.75°	39.3	38.7	37.7	36.6	35.5	34.4	33.3	32.2	31.1	29.7	28.1
-30°	39.0	38.3	37.2	36.2	35.1	34.0	32.9	31.8	30.6	29.2	27.6
-31.25°	38.7	37.8	36.7	35.6	34.6	33.5	32.4	31.3	30.2	28.6	27.1
-32.5°	38.2	37.2	36.2	35.1	34.1	33.0	31.9	30.9	29.6	28.0	26.5
-33.75°	37.6	36.6	35.6	34.6	33.5	32.5	31.5	30.4	28.9	27.4	25.7
-35°	37.0	36.0	35.0	34.0	33.0	32.0	31.0	29.7	28.3	26.8	25.0
-36.25°	36.4	35.4	34.4	33.4	32.5	31.5	30.5	29.1	27.6	26.1	24.2
-37.5°	35.7	34.8	33.8	32.9	31.9	30.9	29.7	28.4	27.0	25.2	23.4
-38.75°	35.0	34.1	33.2	32.3	31.3	30.3	29.0	27.6	26.2	24.4	22.6
-40°	34.4	33.5	32.6	31.6	30.7	29.5	28.2	26.9	25.2	23.5	21.7
-41.25°	33.7	32.8	31.9	31.0	30.0	28.7	27.4	26.0	24.3	22.6	21.1
-42.5°	33.0	32.1	31.3	30.4	29.1	27.9	26.6	25.0	23.3	21.7	20.4
-43.75°	32.2	31.4	30.6	29.5	28.3	27.0	25.6	24.0	22.4	21.0	19.7
-45°	31.5	30.7	29.7	28.5	27.4	26.0	24.5	22.9	21.4	20.2	19.0
-46.25°	30.8	29.8	28.7	27.6	26.4	24.9	23.4	21.9	20.7	19.5	18.2
-47.5°	29.9	28.8	27.7	26.6	25.2	23.7	22.3	21.0	19.9	18.7	17.5
-48.75°	28.8	27.8	26.7	25.4	24.0	22.6	21.3	20.2	19.0	17.9	16.8
-50°	27.7	26.7	25.4	24.1	22.7	21.5	20.4	19.3	18.2	17.1	16.0
-51.25°	26.6	25.4	24.1	22.8	21.5	20.5	19.5	18.4	17.4	16.3	15.2
-52.5°	25.2	24.0	22.7	21.5	20.6	19.6	18.6	17.5	16.5	15.5	14.4
-53.75°	23.7	22.6	21.5	20.5	19.6	18.6	17.6	16.7	15.7	14.7	13.8
-55°	22.3	21.3	20.4	19.5	18.6	17.6	16.7	15.7	14.8	13.9	13.4
-56.25°	21.0	20.2	19.3	18.4	17.5	16.7	15.7	14.8	14.0	13.4	12.9
-57.5°	19.9	19.0	18.2	17.4	16.5	15.7	14.8	14.0	13.5	12.9	12.4
-58.75°	18.7	17.9	17.1	16.3	15.5	14.7	13.9	13.4	12.9	12.4	11.9
-60°	17.5	16.8	16.0	15.2	14.4	13.8	13.4	12.9	12.4	11.9	11.7
-61.25°	16.3	15.6	14.9	14.1	13.7	13.2	12.8	12.3	11.9	11.7	11.4
-62.5°	15.1	14.4	13.9	13.5	13.1	12.6	12.2	11.8	11.6	11.4	11.2
-63.75°	14.0	13.6	13.2	12.8	12.4	12.0	11.8	11.6	11.3	11.1	10.9
-65°	13.3	12.9	12.6	12.2	11.9	11.7	11.5	11.3	11.1	10.9	10.6
-66.25°	12.6	12.3	11.9	11.7	11.5	11.4	11.2	11.0	10.8	10.5	10.2
-67.5°	11.9	11.7	11.6	11.4	11.2	11.1	10.9	10.7	10.4	10.1	9.9
-68.75°	11.5	11.4	11.2	11.1	10.9	10.7	10.5	10.2	10.0	9.7	9.5
-70°	11.2	11.0	10.9	10.7	10.5	10.3	10.0	9.8	9.6	9.3	9.0
-71.25°	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.8	8.4
-72.5°	10.3	10.1	9.9	9.7	9.6	9.4	9.1	8.8	8.4	8.1	7.7
-73.75°	9.8	9.6	9.4	9.3	9.0	8.7	8.4	8.1	7.7	7.4	7.1
-75°	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.3	7.0	6.7	6.4
-76.25°	8.4	8.1	7.9	7.6	7.4	7.1	6.9	6.6	6.4	6.1	5.9
-77.5°	7.5	7.3	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	6.6	6.4	6.2	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.8
-80°	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.4	4.3
-81.25°	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.2	4.0	3.9	3.8
-82.5°	4.4	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2
-83.75°	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-85°	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.4	2.3	2.2
-86.25°	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6
-87.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	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: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3
87.5°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6
86.25°	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
85°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
83.75°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
82.5°	3.1	3.0	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.8
81.25°	3.6	3.5	3.3	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.1
80°	4.1	4.0	3.8	3.6	3.5	3.3	3.1	3.0	2.8	2.6	2.4
78.75°	4.6	4.4	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
77.5°	5.2	4.9	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.2	3.0
76.25°	5.7	5.4	5.2	5.0	4.7	4.5	4.3	4.0	3.8	3.5	3.3
75°	6.2	5.9	5.7	5.4	5.2	4.9	4.6	4.4	4.1	3.8	3.6
73.75°	6.8	6.4	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9
72.5°	7.4	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2
71.25°	8.0	7.6	7.2	6.8	6.4	6.1	5.8	5.5	5.1	4.8	4.4
70°	8.6	8.2	7.8	7.4	7.0	6.5	6.2	5.8	5.5	5.1	4.7
68.75°	9.2	8.8	8.4	7.9	7.5	7.0	6.6	6.2	5.8	5.4	5.0
67.5°	9.6	9.3	8.9	8.5	8.0	7.5	7.0	6.5	6.1	5.7	5.3
66.25°	9.9	9.7	9.4	9.0	8.5	8.0	7.5	7.0	6.4	6.0	5.6
65°	10.3	10.0	9.7	9.4	9.0	8.5	7.9	7.4	6.8	6.3	5.9
63.75°	10.7	10.3	10.0	9.7	9.4	8.9	8.4	7.8	7.2	6.7	6.2
62.5°	10.9	10.7	10.3	10.0	9.7	9.3	8.8	8.2	7.6	7.0	6.4
61.25°	11.2	10.9	10.7	10.3	9.9	9.6	9.2	8.6	8.0	7.4	6.8
60°	11.4	11.2	10.9	10.6	10.2	9.9	9.5	9.0	8.4	7.7	7.1
58.75°	11.7	11.4	11.1	10.9	10.5	10.1	9.7	9.3	8.8	8.1	7.4
57.5°	11.9	11.6	11.3	11.1	10.8	10.4	10.0	9.6	9.1	8.4	7.7
56.25°	12.3	11.8	11.6	11.3	11.0	10.7	10.2	9.8	9.4	8.8	8.1
55°	12.8	12.2	11.8	11.5	11.2	10.9	10.5	10.0	9.6	9.1	8.4
53.75°	13.2	12.6	12.0	11.7	11.4	11.1	10.7	10.3	9.8	9.4	8.7
52.5°	13.7	13.1	12.4	11.9	11.5	11.2	10.9	10.5	10.0	9.6	9.0
51.25°	14.1	13.5	12.8	12.2	11.7	11.4	11.1	10.7	10.2	9.7	9.3
50°	14.9	13.9	13.2	12.6	11.9	11.6	11.2	10.9	10.4	9.9	9.4
48.75°	15.6	14.4	13.6	12.9	12.3	11.7	11.4	11.0	10.6	10.1	9.6
47.5°	16.3	15.1	14.0	13.3	12.6	11.9	11.5	11.2	10.8	10.3	9.8
46.25°	17.0	15.8	14.6	13.7	12.9	12.2	11.7	11.3	11.0	10.5	9.9
45°	17.7	16.5	15.2	14.0	13.3	12.5	11.8	11.5	11.1	10.7	10.1
43.75°	18.4	17.1	15.8	14.5	13.6	12.8	12.1	11.6	11.2	10.8	10.3
42.5°	19.1	17.8	16.4	15.1	13.9	13.1	12.3	11.7	11.3	10.9	10.4
41.25°	19.7	18.4	17.0	15.7	14.3	13.4	12.6	11.9	11.5	11.0	10.6
40°	20.4	19.0	17.6	16.2	14.8	13.7	12.9	12.1	11.6	11.2	10.7
38.75°	21.0	19.6	18.2	16.8	15.3	14.0	13.1	12.3	11.7	11.3	10.8
37.5°	21.6	20.2	18.7	17.3	15.8	14.4	13.4	12.6	11.8	11.4	10.9
36.25°	22.3	20.7	19.3	17.8	16.3	14.8	13.7	12.8	11.9	11.5	11.0
35°	23.1	21.3	19.8	18.3	16.8	15.3	13.9	13.0	12.1	11.6	11.1



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	23.8	21.9	20.3	18.8	17.2	15.7	14.2	13.2	12.3	11.7	11.2
32.5°	24.5	22.5	20.8	19.2	17.7	16.1	14.6	13.5	12.5	11.8	11.3
31.25°	25.2	23.2	21.3	19.7	18.1	16.5	14.9	13.7	12.7	11.9	11.4
30°	25.8	23.8	21.7	20.1	18.5	16.9	15.3	13.9	12.9	12.0	11.5
28.75°	26.5	24.4	22.3	20.6	18.9	17.3	15.7	14.1	13.1	12.2	11.5
27.5°	27.0	25.0	22.9	21.0	19.3	17.7	16.0	14.3	13.3	12.3	11.6
26.25°	27.4	25.6	23.4	21.4	19.7	18.0	16.3	14.7	13.4	12.5	11.7
25°	27.9	26.1	23.9	21.7	20.0	18.3	16.6	14.9	13.6	12.6	11.8
23.75°	28.3	26.6	24.4	22.2	20.4	18.7	16.9	15.2	13.8	12.8	11.8
22.5°	28.7	27.0	24.9	22.6	20.7	19.0	17.2	15.5	13.9	12.9	11.9
21.25°	29.1	27.3	25.3	23.1	21.0	19.3	17.5	15.8	14.0	13.0	12.0
20°	29.4	27.7	25.7	23.5	21.3	19.5	17.8	16.0	14.2	13.1	12.1
18.75°	29.8	28.0	26.1	23.8	21.6	19.8	18.0	16.2	14.4	13.3	12.2
17.5°	30.1	28.3	26.5	24.2	21.9	20.0	18.2	16.4	14.6	13.4	12.3
16.25°	30.4	28.6	26.8	24.5	22.2	20.3	18.5	16.6	14.8	13.5	12.4
15°	30.6	28.9	27.0	24.8	22.5	20.5	18.6	16.8	15.0	13.6	12.5
13.75°	30.8	29.1	27.3	25.1	22.7	20.7	18.8	17.0	15.2	13.6	12.6
12.5°	30.9	29.3	27.5	25.4	23.0	20.8	19.0	17.1	15.3	13.7	12.7
11.25°	31.1	29.5	27.7	25.6	23.2	21.0	19.2	17.3	15.4	13.8	12.7
10°	31.2	29.7	27.8	25.8	23.4	21.2	19.3	17.4	15.6	13.9	12.8
8.75°	31.4	29.9	28.0	26.0	23.6	21.3	19.4	17.5	15.7	13.9	12.8
7.5°	31.5	30.0	28.1	26.2	23.7	21.4	19.5	17.6	15.7	14.0	12.9
6.25°	31.5	30.1	28.2	26.3	23.9	21.5	19.6	17.7	15.8	14.0	12.9
5°	31.6	30.2	28.3	26.4	24.0	21.6	19.7	17.8	15.9	14.0	12.9
3.75°	31.7	30.3	28.4	26.5	24.0	21.6	19.7	17.8	15.9	14.1	13.0
2.5°	31.7	30.4	28.5	26.6	24.1	21.7	19.8	17.9	16.0	14.1	13.0
1.25°	31.7	30.4	28.5	26.6	24.1	21.7	19.8	17.9	16.0	14.1	13.0
0°	31.8	30.4	28.5	26.6	24.2	21.7	19.8	17.9	16.0	14.1	13.0
-1.25°	31.7	30.4	28.5	26.6	24.1	21.7	19.8	17.9	16.0	14.1	13.0
-2.5°	31.7	30.4	28.5	26.6	24.1	21.7	19.8	17.9	16.0	14.1	13.0
-3.75°	31.7	30.3	28.4	26.5	24.0	21.6	19.7	17.8	15.9	14.1	13.0
-5°	31.6	30.2	28.3	26.4	24.0	21.6	19.7	17.8	15.9	14.0	12.9
-6.25°	31.5	30.1	28.2	26.3	23.9	21.5	19.6	17.7	15.8	14.0	12.9
-7.5°	31.5	30.0	28.1	26.2	23.7	21.4	19.5	17.6	15.7	14.0	12.9
-8.75°	31.4	29.9	28.0	26.0	23.6	21.3	19.4	17.5	15.7	13.9	12.8
-10°	31.2	29.7	27.8	25.8	23.4	21.2	19.3	17.4	15.6	13.9	12.8
-11.25°	31.1	29.5	27.7	25.6	23.2	21.0	19.2	17.3	15.4	13.8	12.7
-12.5°	30.9	29.3	27.5	25.4	23.0	20.8	19.0	17.1	15.3	13.7	12.7
-13.75°	30.8	29.1	27.3	25.1	22.7	20.7	18.8	17.0	15.2	13.6	12.6
-15°	30.6	28.9	27.0	24.8	22.5	20.5	18.6	16.8	15.0	13.6	12.5
-16.25°	30.4	28.6	26.8	24.5	22.2	20.3	18.5	16.6	14.8	13.5	12.4
-17.5°	30.1	28.3	26.5	24.2	21.9	20.0	18.2	16.4	14.6	13.4	12.3
-18.75°	29.8	28.0	26.1	23.8	21.6	19.8	18.0	16.2	14.4	13.3	12.2
-20°	29.4	27.7	25.7	23.5	21.3	19.5	17.8	16.0	14.2	13.1	12.1
-21.25°	29.1	27.3	25.3	23.1	21.0	19.3	17.5	15.8	14.0	13.0	12.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	28.7	27.0	24.9	22.6	20.7	19.0	17.2	15.5	13.9	12.9	11.9
-23.75°	28.3	26.6	24.4	22.2	20.4	18.7	16.9	15.2	13.8	12.8	11.8
-25°	27.9	26.1	23.9	21.7	20.0	18.3	16.6	14.9	13.6	12.6	11.8
-26.25°	27.4	25.6	23.4	21.4	19.7	18.0	16.3	14.7	13.4	12.5	11.7
-27.5°	27.0	25.0	22.9	21.0	19.3	17.7	16.0	14.3	13.3	12.3	11.6
-28.75°	26.5	24.4	22.3	20.6	18.9	17.3	15.7	14.1	13.1	12.2	11.5
-30°	25.8	23.8	21.7	20.1	18.5	16.9	15.3	13.9	12.9	12.0	11.5
-31.25°	25.2	23.2	21.3	19.7	18.1	16.5	14.9	13.7	12.7	11.9	11.4
-32.5°	24.5	22.5	20.8	19.2	17.7	16.1	14.6	13.5	12.5	11.8	11.3
-33.75°	23.8	21.9	20.3	18.8	17.2	15.7	14.2	13.2	12.3	11.7	11.2
-35°	23.1	21.3	19.8	18.3	16.8	15.3	13.9	13.0	12.1	11.6	11.1
-36.25°	22.3	20.7	19.3	17.8	16.3	14.8	13.7	12.8	11.9	11.5	11.0
-37.5°	21.6	20.2	18.7	17.3	15.8	14.4	13.4	12.6	11.8	11.4	10.9
-38.75°	21.0	19.6	18.2	16.8	15.3	14.0	13.1	12.3	11.7	11.3	10.8
-40°	20.4	19.0	17.6	16.2	14.8	13.7	12.9	12.1	11.6	11.2	10.7
-41.25°	19.7	18.4	17.0	15.7	14.3	13.4	12.6	11.9	11.5	11.0	10.6
-42.5°	19.1	17.8	16.4	15.1	13.9	13.1	12.3	11.7	11.3	10.9	10.4
-43.75°	18.4	17.1	15.8	14.5	13.6	12.8	12.1	11.6	11.2	10.8	10.3
-45°	17.7	16.5	15.2	14.0	13.3	12.5	11.8	11.5	11.1	10.7	10.1
-46.25°	17.0	15.8	14.6	13.7	12.9	12.2	11.7	11.3	11.0	10.5	9.9
-47.5°	16.3	15.1	14.0	13.3	12.6	11.9	11.5	11.2	10.8	10.3	9.8
-48.75°	15.6	14.4	13.6	12.9	12.3	11.7	11.4	11.0	10.6	10.1	9.6
-50°	14.9	13.9	13.2	12.6	11.9	11.6	11.2	10.9	10.4	9.9	9.4
-51.25°	14.1	13.5	12.8	12.2	11.7	11.4	11.1	10.7	10.2	9.7	9.3
-52.5°	13.7	13.1	12.4	11.9	11.5	11.2	10.9	10.5	10.0	9.6	9.0
-53.75°	13.2	12.6	12.0	11.7	11.4	11.1	10.7	10.3	9.8	9.4	8.7
-55°	12.8	12.2	11.8	11.5	11.2	10.9	10.5	10.0	9.6	9.1	8.4
-56.25°	12.3	11.8	11.6	11.3	11.0	10.7	10.2	9.8	9.4	8.8	8.1
-57.5°	11.9	11.6	11.3	11.1	10.8	10.4	10.0	9.6	9.1	8.4	7.7
-58.75°	11.7	11.4	11.1	10.9	10.5	10.1	9.7	9.3	8.8	8.1	7.4
-60°	11.4	11.2	10.9	10.6	10.2	9.9	9.5	9.0	8.4	7.7	7.1
-61.25°	11.2	10.9	10.7	10.3	9.9	9.6	9.2	8.6	8.0	7.4	6.8
-62.5°	10.9	10.7	10.3	10.0	9.7	9.3	8.8	8.2	7.6	7.0	6.4
-63.75°	10.7	10.3	10.0	9.7	9.4	8.9	8.4	7.8	7.2	6.7	6.2
-65°	10.3	10.0	9.7	9.4	9.0	8.5	7.9	7.4	6.8	6.3	5.9
-66.25°	9.9	9.7	9.4	9.0	8.5	8.0	7.5	7.0	6.4	6.0	5.6
-67.5°	9.6	9.3	8.9	8.5	8.0	7.5	7.0	6.5	6.1	5.7	5.3
-68.75°	9.2	8.8	8.4	7.9	7.5	7.0	6.6	6.2	5.8	5.4	5.0
-70°	8.6	8.2	7.8	7.4	7.0	6.5	6.2	5.8	5.5	5.1	4.7
-71.25°	8.0	7.6	7.2	6.8	6.4	6.1	5.8	5.5	5.1	4.8	4.4
-72.5°	7.4	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2
-73.75°	6.8	6.4	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9
-75°	6.2	5.9	5.7	5.4	5.2	4.9	4.6	4.4	4.1	3.8	3.6
-76.25°	5.7	5.4	5.2	5.0	4.7	4.5	4.3	4.0	3.8	3.5	3.3
-77.5°	5.2	4.9	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.2	3.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	4.6	4.4	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
-80°	4.1	4.0	3.8	3.6	3.5	3.3	3.1	3.0	2.8	2.6	2.4
-81.25°	3.6	3.5	3.3	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.1
-82.5°	3.1	3.0	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.8
-83.75°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
-85°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
-86.25°	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
-87.5°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6
-88.75°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
87.5°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
86.25°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
85°	1.1	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
83.75°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
82.5°	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
81.25°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
80°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
78.75°	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
77.5°	2.8	2.6	2.4	2.1	1.9	1.7	1.4	1.2	1.0	0.7	0.5
76.25°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
75°	3.3	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.9	0.6
73.75°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
72.5°	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.7	1.3	1.0	0.7
71.25°	4.1	3.8	3.5	3.1	2.8	2.5	2.1	1.8	1.4	1.1	0.7
70°	4.4	4.0	3.7	3.3	3.0	2.6	2.2	1.9	1.5	1.1	0.8
68.75°	4.6	4.3	3.9	3.5	3.1	2.8	2.4	2.0	1.6	1.2	0.8
67.5°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.3	0.8
66.25°	5.2	4.7	4.3	3.9	3.5	3.1	2.6	2.2	1.8	1.3	0.9
65°	5.4	5.0	4.5	4.1	3.6	3.2	2.8	2.3	1.9	1.4	0.9
63.75°	5.7	5.2	4.7	4.3	3.8	3.3	2.9	2.4	1.9	1.5	1.0
62.5°	5.9	5.4	4.9	4.4	4.0	3.5	3.0	2.5	2.0	1.5	1.0
61.25°	6.2	5.7	5.2	4.6	4.1	3.6	3.1	2.6	2.1	1.6	1.1
60°	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.2	1.6	1.1
58.75°	6.7	6.1	5.6	5.0	4.4	3.9	3.4	2.8	2.3	1.7	1.1
57.5°	7.0	6.4	5.8	5.2	4.6	4.0	3.5	2.9	2.4	1.8	1.2
56.25°	7.3	6.6	6.0	5.4	4.8	4.2	3.6	3.0	2.4	1.8	1.2
55°	7.6	6.9	6.2	5.6	4.9	4.3	3.7	3.1	2.5	1.9	1.3
53.75°	7.9	7.1	6.4	5.7	5.1	4.4	3.8	3.2	2.6	2.0	1.3
52.5°	8.2	7.4	6.6	5.9	5.2	4.6	3.9	3.3	2.7	2.0	1.3
51.25°	8.5	7.6	6.8	6.1	5.4	4.7	4.0	3.4	2.7	2.1	1.4
50°	8.7	7.9	7.0	6.2	5.5	4.8	4.1	3.5	2.8	2.1	1.4
48.75°	9.0	8.1	7.3	6.4	5.7	5.0	4.2	3.6	2.9	2.2	1.5
47.5°	9.2	8.4	7.5	6.6	5.8	5.1	4.4	3.6	2.9	2.2	1.5
46.25°	9.4	8.6	7.7	6.8	6.0	5.2	4.5	3.7	3.0	2.3	1.5
45°	9.5	8.8	7.9	7.0	6.1	5.3	4.6	3.8	3.1	2.3	1.6
43.75°	9.7	9.1	8.1	7.1	6.2	5.5	4.7	3.9	3.1	2.4	1.6
42.5°	9.8	9.3	8.3	7.3	6.4	5.6	4.8	4.0	3.2	2.4	1.6
41.25°	10.0	9.4	8.5	7.5	6.5	5.7	4.9	4.0	3.3	2.5	1.7
40°	10.1	9.5	8.7	7.7	6.7	5.8	4.9	4.1	3.3	2.5	1.7
38.75°	10.3	9.6	8.9	7.9	6.8	5.9	5.0	4.2	3.4	2.6	1.7
37.5°	10.4	9.8	9.1	8.0	7.0	6.0	5.1	4.3	3.4	2.6	1.7
36.25°	10.5	9.9	9.2	8.2	7.1	6.1	5.2	4.3	3.5	2.6	1.8
35°	10.6	10.0	9.3	8.3	7.2	6.2	5.3	4.4	3.5	2.7	1.8



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	10.8	10.1	9.4	8.5	7.4	6.3	5.4	4.5	3.6	2.7	1.8
32.5°	10.8	10.2	9.5	8.6	7.5	6.4	5.5	4.5	3.6	2.8	1.9
31.25°	10.9	10.3	9.6	8.8	7.6	6.5	5.5	4.6	3.7	2.8	1.9
30°	11.0	10.4	9.7	8.9	7.7	6.6	5.6	4.7	3.7	2.8	1.9
28.75°	11.1	10.5	9.8	9.0	7.9	6.7	5.7	4.7	3.8	2.9	1.9
27.5°	11.1	10.6	9.9	9.2	8.0	6.8	5.8	4.8	3.8	2.9	2.0
26.25°	11.2	10.7	10.0	9.2	8.1	6.9	5.8	4.8	3.9	2.9	2.0
25°	11.3	10.8	10.0	9.3	8.2	7.0	5.9	4.9	3.9	3.0	2.0
23.75°	11.3	10.8	10.1	9.4	8.3	7.0	5.9	4.9	3.9	3.0	2.0
22.5°	11.4	10.9	10.2	9.4	8.4	7.1	6.0	5.0	4.0	3.0	2.0
21.25°	11.4	10.9	10.2	9.5	8.5	7.2	6.0	5.0	4.0	3.0	2.1
20°	11.5	11.0	10.3	9.6	8.5	7.3	6.1	5.1	4.0	3.1	2.1
18.75°	11.5	11.0	10.4	9.6	8.6	7.3	6.1	5.1	4.1	3.1	2.1
17.5°	11.6	11.1	10.4	9.7	8.7	7.4	6.2	5.1	4.1	3.1	2.1
16.25°	11.6	11.1	10.5	9.7	8.8	7.5	6.2	5.2	4.1	3.1	2.1
15°	11.7	11.1	10.5	9.8	8.8	7.5	6.3	5.2	4.2	3.1	2.1
13.75°	11.7	11.2	10.6	9.8	8.9	7.6	6.3	5.2	4.2	3.2	2.1
12.5°	11.7	11.2	10.6	9.8	8.9	7.6	6.3	5.3	4.2	3.2	2.1
11.25°	11.8	11.2	10.6	9.9	9.0	7.7	6.4	5.3	4.2	3.2	2.2
10°	11.8	11.3	10.7	9.9	9.0	7.7	6.4	5.3	4.2	3.2	2.2
8.75°	11.8	11.3	10.7	9.9	9.1	7.7	6.4	5.3	4.3	3.2	2.2
7.5°	11.8	11.3	10.7	9.9	9.1	7.8	6.4	5.4	4.3	3.2	2.2
6.25°	11.9	11.3	10.8	10.0	9.1	7.8	6.5	5.4	4.3	3.2	2.2
5°	11.9	11.3	10.8	10.0	9.2	7.8	6.5	5.4	4.3	3.2	2.2
3.75°	11.9	11.3	10.8	10.0	9.2	7.8	6.5	5.4	4.3	3.2	2.2
2.5°	11.9	11.3	10.8	10.0	9.2	7.8	6.5	5.4	4.3	3.2	2.2
1.25°	11.9	11.3	10.8	10.0	9.2	7.8	6.5	5.4	4.3	3.2	2.2
0°	11.9	11.4	10.8	10.0	9.2	7.9	6.5	5.4	4.3	3.3	2.2
-1.25°	11.9	11.3	10.8	10.0	9.2	7.8	6.5	5.4	4.3	3.2	2.2
-2.5°	11.9	11.3	10.8	10.0	9.2	7.8	6.5	5.4	4.3	3.2	2.2
-3.75°	11.9	11.3	10.8	10.0	9.2	7.8	6.5	5.4	4.3	3.2	2.2
-5°	11.9	11.3	10.8	10.0	9.2	7.8	6.5	5.4	4.3	3.2	2.2
-6.25°	11.9	11.3	10.8	10.0	9.1	7.8	6.5	5.4	4.3	3.2	2.2
-7.5°	11.8	11.3	10.7	9.9	9.1	7.8	6.4	5.4	4.3	3.2	2.2
-8.75°	11.8	11.3	10.7	9.9	9.1	7.7	6.4	5.3	4.3	3.2	2.2
-10°	11.8	11.3	10.7	9.9	9.0	7.7	6.4	5.3	4.2	3.2	2.2
-11.25°	11.8	11.2	10.6	9.9	9.0	7.7	6.4	5.3	4.2	3.2	2.2
-12.5°	11.7	11.2	10.6	9.8	8.9	7.6	6.3	5.3	4.2	3.2	2.1
-13.75°	11.7	11.2	10.6	9.8	8.9	7.6	6.3	5.2	4.2	3.2	2.1
-15°	11.7	11.1	10.5	9.8	8.8	7.5	6.3	5.2	4.2	3.1	2.1
-16.25°	11.6	11.1	10.5	9.7	8.8	7.5	6.2	5.2	4.1	3.1	2.1
-17.5°	11.6	11.1	10.4	9.7	8.7	7.4	6.2	5.1	4.1	3.1	2.1
-18.75°	11.5	11.0	10.4	9.6	8.6	7.3	6.1	5.1	4.1	3.1	2.1
-20°	11.5	11.0	10.3	9.6	8.5	7.3	6.1	5.1	4.0	3.1	2.1
-21.25°	11.4	10.9	10.2	9.5	8.5	7.2	6.0	5.0	4.0	3.0	2.1



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	11.4	10.9	10.2	9.4	8.4	7.1	6.0	5.0	4.0	3.0	2.0
-23.75°	11.3	10.8	10.1	9.4	8.3	7.0	5.9	4.9	3.9	3.0	2.0
-25°	11.3	10.8	10.0	9.3	8.2	7.0	5.9	4.9	3.9	3.0	2.0
-26.25°	11.2	10.7	10.0	9.2	8.1	6.9	5.8	4.8	3.9	2.9	2.0
-27.5°	11.1	10.6	9.9	9.2	8.0	6.8	5.8	4.8	3.8	2.9	2.0
-28.75°	11.1	10.5	9.8	9.0	7.9	6.7	5.7	4.7	3.8	2.9	1.9
-30°	11.0	10.4	9.7	8.9	7.7	6.6	5.6	4.7	3.7	2.8	1.9
-31.25°	10.9	10.3	9.6	8.8	7.6	6.5	5.5	4.6	3.7	2.8	1.9
-32.5°	10.8	10.2	9.5	8.6	7.5	6.4	5.5	4.5	3.6	2.8	1.9
-33.75°	10.8	10.1	9.4	8.5	7.4	6.3	5.4	4.5	3.6	2.7	1.8
-35°	10.6	10.0	9.3	8.3	7.2	6.2	5.3	4.4	3.5	2.7	1.8
-36.25°	10.5	9.9	9.2	8.2	7.1	6.1	5.2	4.3	3.5	2.6	1.8
-37.5°	10.4	9.8	9.1	8.0	7.0	6.0	5.1	4.3	3.4	2.6	1.7
-38.75°	10.3	9.6	8.9	7.9	6.8	5.9	5.0	4.2	3.4	2.6	1.7
-40°	10.1	9.5	8.7	7.7	6.7	5.8	4.9	4.1	3.3	2.5	1.7
-41.25°	10.0	9.4	8.5	7.5	6.5	5.7	4.9	4.0	3.3	2.5	1.7
-42.5°	9.8	9.3	8.3	7.3	6.4	5.6	4.8	4.0	3.2	2.4	1.6
-43.75°	9.7	9.1	8.1	7.1	6.2	5.5	4.7	3.9	3.1	2.4	1.6
-45°	9.5	8.8	7.9	7.0	6.1	5.3	4.6	3.8	3.1	2.3	1.6
-46.25°	9.4	8.6	7.7	6.8	6.0	5.2	4.5	3.7	3.0	2.3	1.5
-47.5°	9.2	8.4	7.5	6.6	5.8	5.1	4.4	3.6	2.9	2.2	1.5
-48.75°	9.0	8.1	7.3	6.4	5.7	5.0	4.2	3.6	2.9	2.2	1.5
-50°	8.7	7.9	7.0	6.2	5.5	4.8	4.1	3.5	2.8	2.1	1.4
-51.25°	8.5	7.6	6.8	6.1	5.4	4.7	4.0	3.4	2.7	2.1	1.4
-52.5°	8.2	7.4	6.6	5.9	5.2	4.6	3.9	3.3	2.7	2.0	1.3
-53.75°	7.9	7.1	6.4	5.7	5.1	4.4	3.8	3.2	2.6	2.0	1.3
-55°	7.6	6.9	6.2	5.6	4.9	4.3	3.7	3.1	2.5	1.9	1.3
-56.25°	7.3	6.6	6.0	5.4	4.8	4.2	3.6	3.0	2.4	1.8	1.2
-57.5°	7.0	6.4	5.8	5.2	4.6	4.0	3.5	2.9	2.4	1.8	1.2
-58.75°	6.7	6.1	5.6	5.0	4.4	3.9	3.4	2.8	2.3	1.7	1.1
-60°	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.2	1.6	1.1
-61.25°	6.2	5.7	5.2	4.6	4.1	3.6	3.1	2.6	2.1	1.6	1.1
-62.5°	5.9	5.4	4.9	4.4	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-63.75°	5.7	5.2	4.7	4.3	3.8	3.3	2.9	2.4	1.9	1.5	1.0
-65°	5.4	5.0	4.5	4.1	3.6	3.2	2.8	2.3	1.9	1.4	0.9
-66.25°	5.2	4.7	4.3	3.9	3.5	3.1	2.6	2.2	1.8	1.3	0.9
-67.5°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.3	0.8
-68.75°	4.6	4.3	3.9	3.5	3.1	2.8	2.4	2.0	1.6	1.2	0.8
-70°	4.4	4.0	3.7	3.3	3.0	2.6	2.2	1.9	1.5	1.1	0.8
-71.25°	4.1	3.8	3.5	3.1	2.8	2.5	2.1	1.8	1.4	1.1	0.7
-72.5°	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.7	1.3	1.0	0.7
-73.75°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-75°	3.3	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.9	0.6
-76.25°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-77.5°	2.8	2.6	2.4	2.1	1.9	1.7	1.4	1.2	1.0	0.7	0.5



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
-80°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
-81.25°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
-82.5°	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
-83.75°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-85°	1.1	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-86.25°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
-87.5°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
-88.75°	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.9	0.0
32.5°	0.9	0.0
31.25°	0.9	0.0
30°	1.0	0.0
28.75°	1.0	0.0
27.5°	1.0	0.0
26.25°	1.0	0.0
25°	1.0	0.0
23.75°	1.0	0.0
22.5°	1.0	0.0
21.25°	1.0	0.0
20°	1.0	0.0
18.75°	1.0	0.0
17.5°	1.0	0.0
16.25°	1.1	0.0
15°	1.1	0.0
13.75°	1.1	0.0
12.5°	1.1	0.0
11.25°	1.1	0.0
10°	1.1	0.0
8.75°	1.1	0.0
7.5°	1.1	0.0
6.25°	1.1	0.0
5°	1.1	0.0
3.75°	1.1	0.0
2.5°	1.1	0.0
1.25°	1.1	0.0
0°	1.1	0.0
-1.25°	1.1	0.0
-2.5°	1.1	0.0
-3.75°	1.1	0.0
-5°	1.1	0.0
-6.25°	1.1	0.0
-7.5°	1.1	0.0
-8.75°	1.1	0.0
-10°	1.1	0.0
-11.25°	1.1	0.0
-12.5°	1.1	0.0
-13.75°	1.1	0.0
-15°	1.1	0.0
-16.25°	1.1	0.0
-17.5°	1.0	0.0
-18.75°	1.0	0.0
-20°	1.0	0.0
-21.25°	1.0	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.0	0.0
-23.75°	1.0	0.0
-25°	1.0	0.0
-26.25°	1.0	0.0
-27.5°	1.0	0.0
-28.75°	1.0	0.0
-30°	1.0	0.0
-31.25°	0.9	0.0
-32.5°	0.9	0.0
-33.75°	0.9	0.0
-35°	0.9	0.0
-36.25°	0.9	0.0
-37.5°	0.9	0.0
-38.75°	0.9	0.0
-40°	0.8	0.0
-41.25°	0.8	0.0
-42.5°	0.8	0.0
-43.75°	0.8	0.0
-45°	0.8	0.0
-46.25°	0.8	0.0
-47.5°	0.7	0.0
-48.75°	0.7	0.0
-50°	0.7	0.0
-51.25°	0.7	0.0
-52.5°	0.7	0.0
-53.75°	0.7	0.0
-55°	0.6	0.0
-56.25°	0.6	0.0
-57.5°	0.6	0.0
-58.75°	0.6	0.0
-60°	0.5	0.0
-61.25°	0.5	0.0
-62.5°	0.5	0.0
-63.75°	0.5	0.0
-65°	0.5	0.0
-66.25°	0.4	0.0
-67.5°	0.4	0.0
-68.75°	0.4	0.0
-70°	0.4	0.0
-71.25°	0.4	0.0
-72.5°	0.3	0.0
-73.75°	0.3	0.0
-75°	0.3	0.0
-76.25°	0.3	0.0
-77.5°	0.2	0.0



REPORT NUMBER: P220453 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)