

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: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

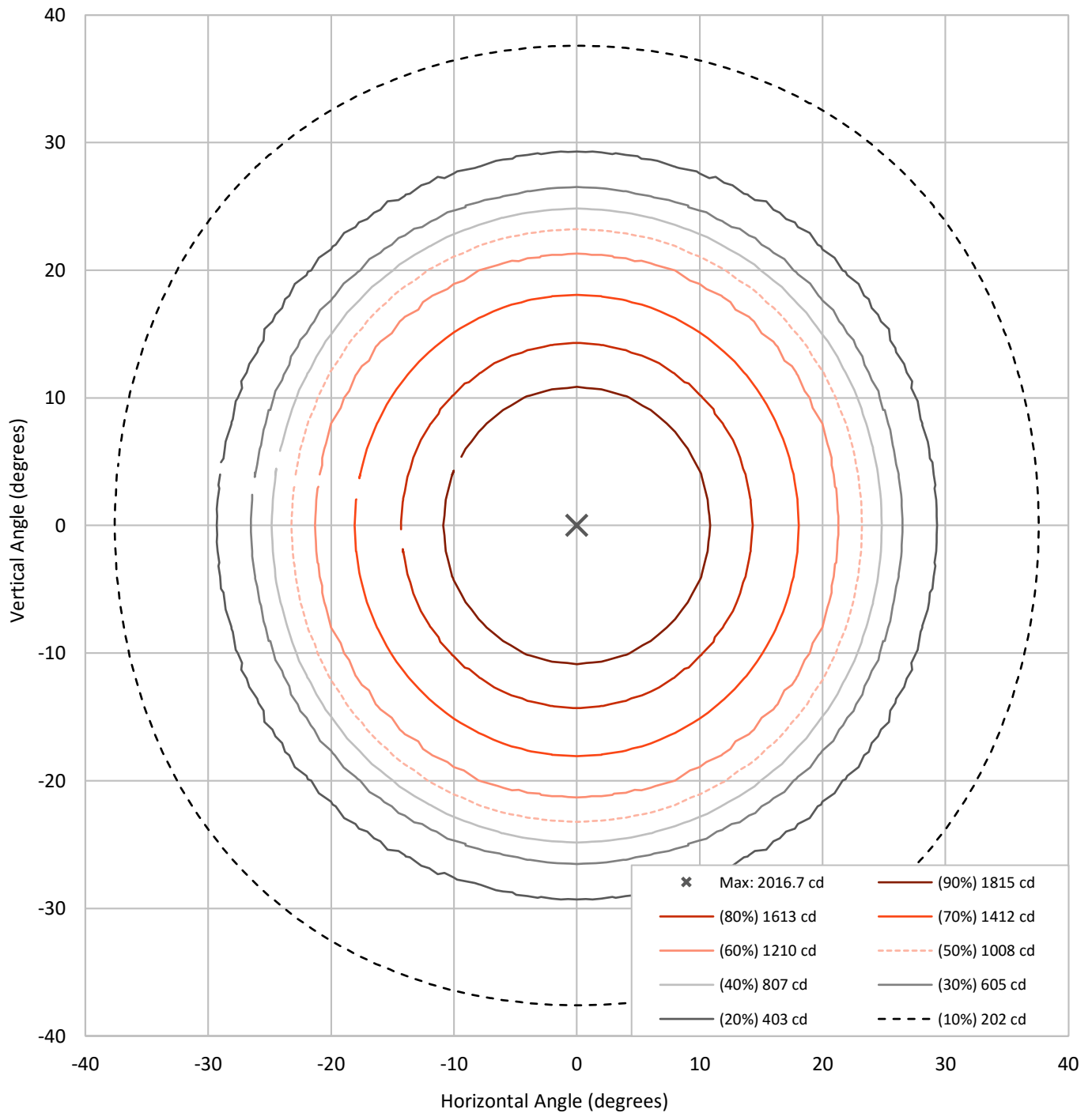
Test Method: LM-79-08
Report Number: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1357.4 lumens	Max Intensity:	2016.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	67.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46.5°H x 46.5°V	Field Angle (10%):	75.2°H x 75.2°V
Beam Lumens:	779.7 lumens	Field Lumens:	1111 lumens
Beam Efficiency:	57.4%	Field Efficiency:	81.8%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

Iso-Candela Plot





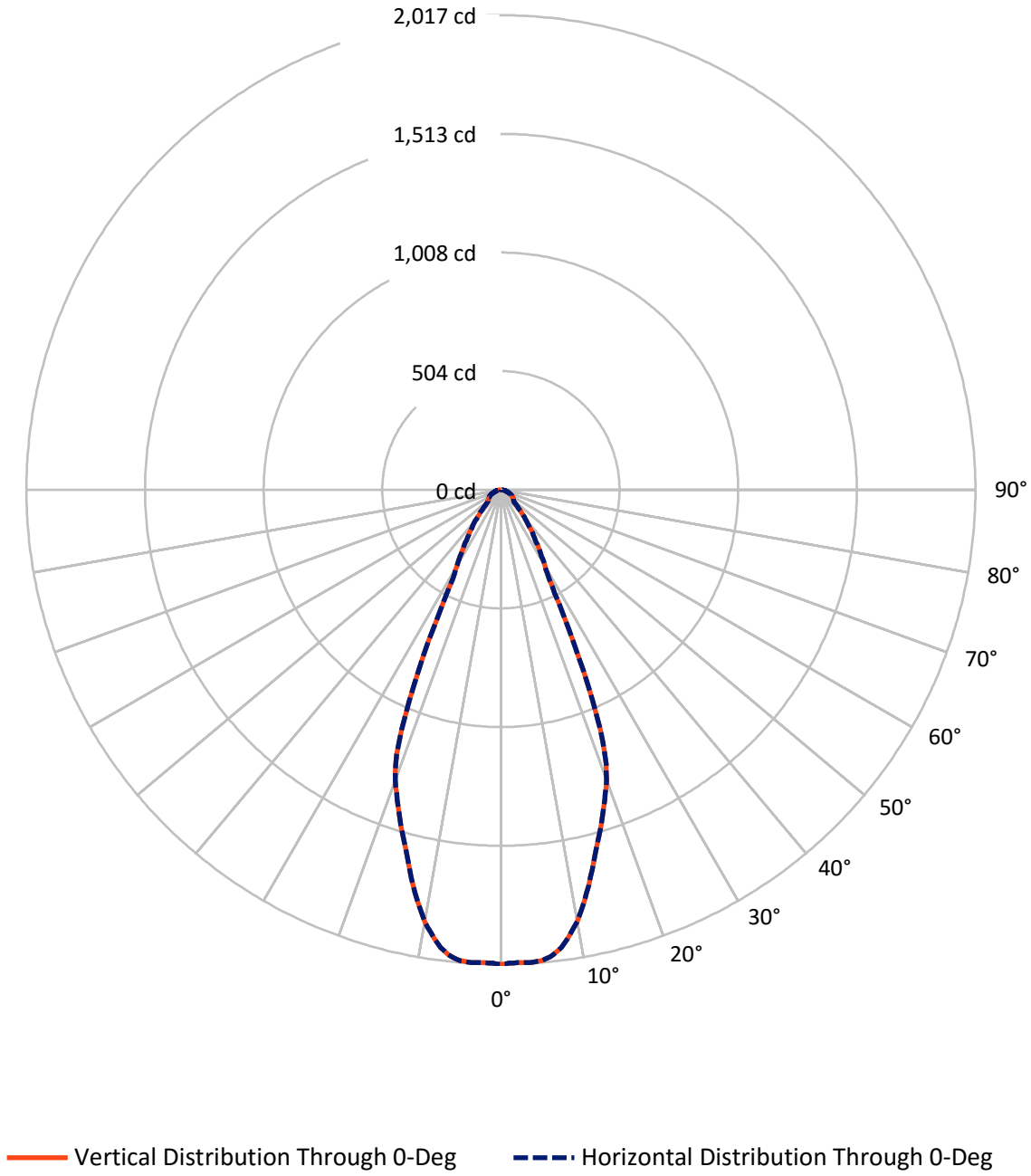
REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

Lumen Table

90	0.1	0.5		1.2		1.8		2.0		1.8		1.2		0.5		0.1			
80	0.1	0.5		1.2		1.8		2.0		1.8		1.2		0.5		0.1			
70	0.2	0.2	0.4	0.6	0.8	1.1	1.3	1.4	1.4	1.3	1.1	0.8	0.6	0.4	0.2	0.2			
60		0.3	0.6	0.9	1.3	1.6	1.8	1.9	1.9	1.8	1.6	1.3	0.9	0.6	0.3				
50	0.4	0.4	0.8	1.2	1.6	2.0	2.6	3.1	3.1	2.6	2.0	1.6	1.2	0.8	0.4	0.4			
40		0.4	0.9	1.4	2.0	3.7	5.9	7.5	7.5	5.9	3.7	2.0	1.4	0.9	0.4				
30	0.4	0.5	1.0	1.6	3.4	7.1	13.8	22.6	22.6	13.8	7.1	3.4	1.6	1.0	0.5	0.4			
20		0.6	1.1	1.9	5.1	13.0	34.2	46.1	46.1	34.2	13.0	5.1	1.9	1.1	0.6				
10	0.5	0.6	1.1	2.2	6.2	20.7	44.8	58.3	58.3	44.8	20.7	6.2	2.2	1.1	0.6	0.5			
0		0.6	1.1	2.2	6.2	20.7	44.8	58.3	58.3	44.8	20.7	6.2	2.2	1.1	0.6				
-10	0.4	0.6	1.1	1.9	5.1	13.0	34.2	46.1	46.1	34.2	13.0	5.1	1.9	1.1	0.6	0.4			
-20		0.5	1.0	1.6	3.4	7.1	13.8	22.6	22.6	13.8	7.1	3.4	1.6	1.0	0.5				
-30	0.4	0.4	0.9	1.4	2.0	3.7	5.9	7.5	7.5	5.9	3.7	2.0	1.4	0.9	0.4	0.4			
-40		0.4	0.8	1.2	1.6	2.0	2.6	3.1	3.1	2.6	2.0	1.6	1.2	0.8	0.4				
-50	0.2	0.3	0.6	0.9	1.3	1.6	1.8	1.9	1.9	1.8	1.6	1.3	0.9	0.6	0.3	0.2			
-60		0.2	0.4	0.6	0.8	1.1	1.3	1.4	1.4	1.3	1.1	0.8	0.6	0.4	0.2				
-70	0.1	0.5		1.2		1.8		2.0		1.8		1.2		0.5		0.1			
-80		0.5		1.2		1.8		2.0		1.8		1.2		0.5					
-90	0.1	0.5		1.2		1.8		2.0		1.8		1.2		0.5		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

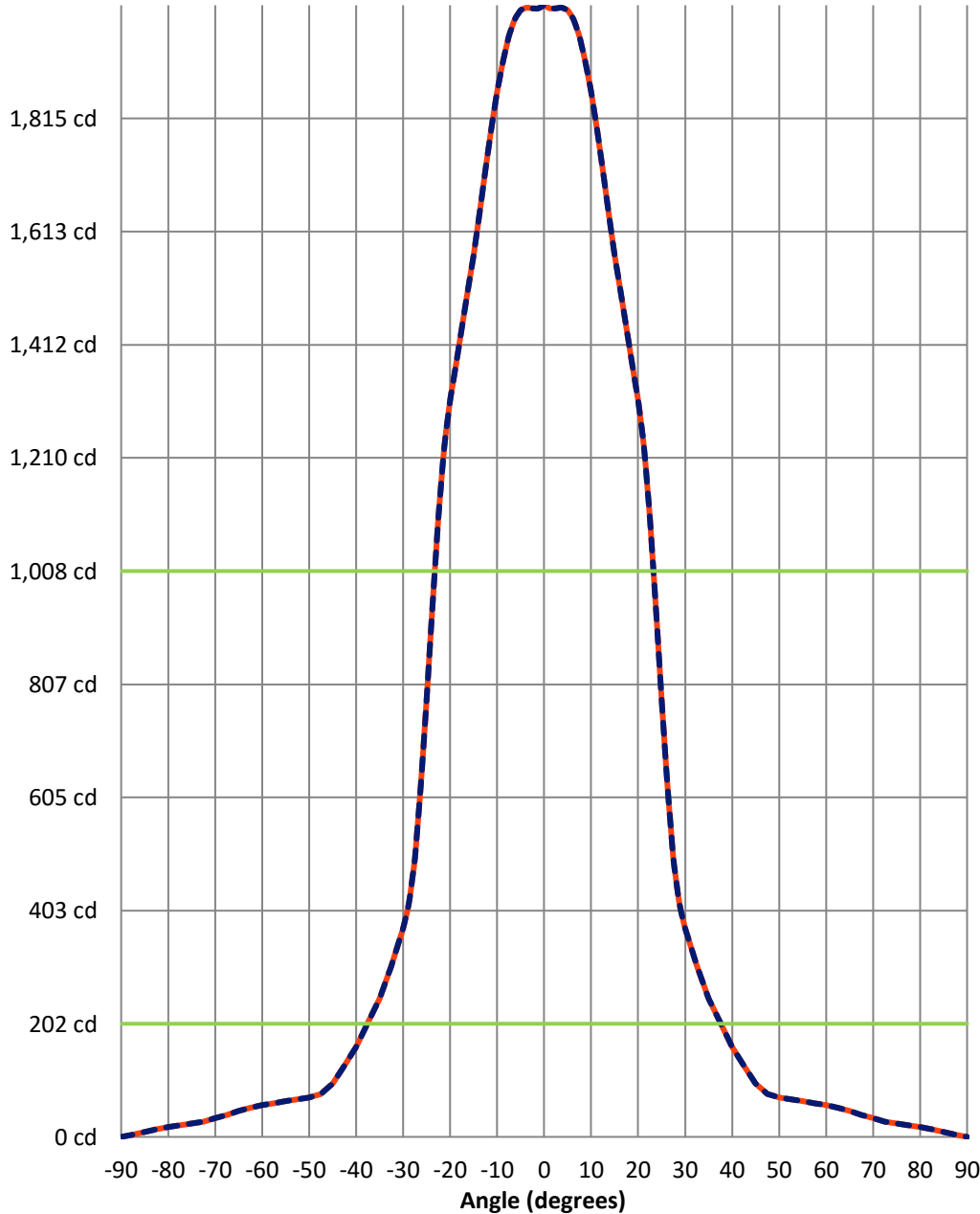
REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

Luminous Intensity Plot



Beam:
 H Angle: 46.5°
 V Angle: 46.5°
 Lumens: 779.7
 Efficiency: 57.4%

Field:
 H Angle: 75.2°
 V Angle: 75.2°
 Lumens: 1111
 Efficiency: 81.8%

Spill:
 Lumens: 246.4
 Efficiency: 18.2%

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

REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
87.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
86.25°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
83.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2
82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
81.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
80°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
78.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
77.5°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.9	4.4
76.25°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.3	4.9
75°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.8	5.4
73.75°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5	5.2	5.9
72.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.9	5.7	6.4
71.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.6	5.3	6.1	6.9
70°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.9	5.7	6.5	7.4
68.75°	0.0	0.7	1.4	2.2	2.9	3.6	4.4	5.3	6.1	7.0	7.8
67.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.7	5.6	6.5	7.4	8.3
66.25°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	5.9	6.9	7.9	8.8
65°	0.0	0.8	1.7	2.5	3.4	4.3	5.3	6.3	7.3	8.3	9.3
63.75°	0.0	0.9	1.8	2.7	3.5	4.5	5.6	6.6	7.7	8.7	9.7
62.5°	0.0	0.9	1.8	2.8	3.7	4.7	5.8	6.9	8.0	9.1	10.2
61.25°	0.0	1.0	1.9	2.9	3.8	5.0	6.1	7.3	8.4	9.5	10.7
60°	0.0	1.0	2.0	3.0	4.0	5.2	6.4	7.6	8.8	9.9	11.1
58.75°	0.0	1.0	2.1	3.1	4.2	5.4	6.7	7.9	9.1	10.4	11.6
57.5°	0.0	1.1	2.1	3.2	4.4	5.6	6.9	8.2	9.5	10.8	12.0
56.25°	0.0	1.1	2.2	3.3	4.5	5.9	7.2	8.5	9.8	11.1	12.5
55°	0.0	1.1	2.3	3.4	4.7	6.1	7.4	8.8	10.2	11.5	12.9
53.75°	0.0	1.2	2.4	3.5	4.9	6.3	7.7	9.1	10.5	11.9	13.3
52.5°	0.0	1.2	2.4	3.7	5.0	6.5	8.0	9.4	10.9	12.3	13.7
51.25°	0.0	1.3	2.5	3.8	5.2	6.7	8.2	9.7	11.2	12.7	14.1
50°	0.0	1.3	2.6	3.9	5.4	6.9	8.4	10.0	11.5	13.0	14.4
48.75°	0.0	1.3	2.6	4.0	5.5	7.1	8.7	10.3	11.8	13.4	14.7
47.5°	0.0	1.4	2.7	4.1	5.7	7.3	8.9	10.5	12.1	13.7	15.1
46.25°	0.0	1.4	2.8	4.2	5.8	7.5	9.1	10.8	12.4	14.0	15.4
45°	0.0	1.4	2.8	4.3	6.0	7.7	9.4	11.1	12.7	14.3	15.7
43.75°	0.0	1.4	2.9	4.4	6.1	7.9	9.6	11.3	13.0	14.6	16.0
42.5°	0.0	1.5	2.9	4.5	6.3	8.0	9.8	11.6	13.3	14.8	16.3
41.25°	0.0	1.5	3.0	4.6	6.4	8.2	10.0	11.8	13.6	15.1	16.6
40°	0.0	1.5	3.1	4.7	6.6	8.4	10.2	12.0	13.8	15.4	16.9
38.75°	0.0	1.6	3.1	4.8	6.7	8.6	10.4	12.3	14.1	15.6	17.1
37.5°	0.0	1.6	3.2	4.9	6.8	8.7	10.6	12.5	14.3	15.8	17.4
36.25°	0.0	1.6	3.2	5.0	6.9	8.9	10.8	12.7	14.5	16.1	17.7
35°	0.0	1.6	3.3	5.1	7.1	9.0	11.0	12.9	14.7	16.3	17.9



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	1.7	3.3	5.2	7.2	9.2	11.2	13.2	14.9	16.5	18.1
32.5°	0.0	1.7	3.4	5.3	7.3	9.3	11.3	13.4	15.1	16.8	18.2
31.25°	0.0	1.7	3.4	5.4	7.4	9.5	11.5	13.5	15.3	17.0	18.4
30°	0.0	1.7	3.5	5.4	7.5	9.6	11.7	13.7	15.4	17.2	18.6
28.75°	0.0	1.8	3.5	5.5	7.6	9.7	11.8	13.9	15.6	17.4	18.8
27.5°	0.0	1.8	3.5	5.6	7.7	9.8	12.0	14.0	15.8	17.5	18.9
26.25°	0.0	1.8	3.6	5.7	7.8	10.0	12.1	14.1	15.9	17.7	19.1
25°	0.0	1.8	3.6	5.7	7.9	10.1	12.2	14.3	16.1	17.8	19.2
23.75°	0.0	1.8	3.7	5.8	8.0	10.2	12.4	14.4	16.2	18.0	19.4
22.5°	0.0	1.8	3.7	5.9	8.1	10.3	12.5	14.5	16.4	18.1	19.5
21.25°	0.0	1.9	3.7	5.9	8.1	10.4	12.6	14.6	16.5	18.2	19.6
20°	0.0	1.9	3.8	6.0	8.2	10.5	12.7	14.7	16.6	18.3	19.8
18.75°	0.0	1.9	3.8	6.0	8.3	10.6	12.8	14.9	16.7	18.4	19.9
17.5°	0.0	1.9	3.8	6.1	8.4	10.6	12.9	14.9	16.9	18.5	20.0
16.25°	0.0	1.9	3.8	6.1	8.4	10.7	13.0	15.0	17.0	18.6	20.1
15°	0.0	1.9	3.9	6.2	8.5	10.8	13.1	15.1	17.0	18.7	20.2
13.75°	0.0	1.9	3.9	6.2	8.5	10.9	13.2	15.2	17.1	18.7	20.2
12.5°	0.0	2.0	3.9	6.2	8.6	10.9	13.3	15.3	17.2	18.8	20.3
11.25°	0.0	2.0	3.9	6.3	8.6	11.0	13.3	15.3	17.3	18.9	20.4
10°	0.0	2.0	3.9	6.3	8.7	11.0	13.4	15.4	17.4	18.9	20.5
8.75°	0.0	2.0	4.0	6.3	8.7	11.1	13.4	15.4	17.4	19.0	20.5
7.5°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.5	17.5	19.0	20.6
6.25°	0.0	2.0	4.0	6.4	8.7	11.1	13.5	15.5	17.5	19.1	20.6
5°	0.0	2.0	4.0	6.4	8.8	11.2	13.5	15.5	17.5	19.1	20.6
3.75°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.6	19.1	20.7
2.5°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.6	19.1	20.7
1.25°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.6	19.1	20.7
0°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.6	19.1	20.7
-1.25°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.6	19.1	20.7
-2.5°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.6	19.1	20.7
-3.75°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.6	19.1	20.7
-5°	0.0	2.0	4.0	6.4	8.8	11.2	13.5	15.5	17.5	19.1	20.6
-6.25°	0.0	2.0	4.0	6.4	8.7	11.1	13.5	15.5	17.5	19.1	20.6
-7.5°	0.0	2.0	4.0	6.3	8.7	11.1	13.5	15.5	17.5	19.0	20.6
-8.75°	0.0	2.0	4.0	6.3	8.7	11.1	13.4	15.4	17.4	19.0	20.5
-10°	0.0	2.0	3.9	6.3	8.7	11.0	13.4	15.4	17.4	18.9	20.5
-11.25°	0.0	2.0	3.9	6.3	8.6	11.0	13.3	15.3	17.3	18.9	20.4
-12.5°	0.0	2.0	3.9	6.2	8.6	10.9	13.3	15.3	17.2	18.8	20.3
-13.75°	0.0	1.9	3.9	6.2	8.5	10.9	13.2	15.2	17.1	18.7	20.2
-15°	0.0	1.9	3.9	6.2	8.5	10.8	13.1	15.1	17.0	18.7	20.2
-16.25°	0.0	1.9	3.8	6.1	8.4	10.7	13.0	15.0	17.0	18.6	20.1
-17.5°	0.0	1.9	3.8	6.1	8.4	10.6	12.9	14.9	16.9	18.5	20.0
-18.75°	0.0	1.9	3.8	6.0	8.3	10.6	12.8	14.9	16.7	18.4	19.9
-20°	0.0	1.9	3.8	6.0	8.2	10.5	12.7	14.7	16.6	18.3	19.8
-21.25°	0.0	1.9	3.7	5.9	8.1	10.4	12.6	14.6	16.5	18.2	19.6



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.8	3.7	5.9	8.1	10.3	12.5	14.5	16.4	18.1	19.5
-23.75°	0.0	1.8	3.7	5.8	8.0	10.2	12.4	14.4	16.2	18.0	19.4
-25°	0.0	1.8	3.6	5.7	7.9	10.1	12.2	14.3	16.1	17.8	19.2
-26.25°	0.0	1.8	3.6	5.7	7.8	10.0	12.1	14.1	15.9	17.7	19.1
-27.5°	0.0	1.8	3.5	5.6	7.7	9.8	12.0	14.0	15.8	17.5	18.9
-28.75°	0.0	1.8	3.5	5.5	7.6	9.7	11.8	13.9	15.6	17.4	18.8
-30°	0.0	1.7	3.5	5.4	7.5	9.6	11.7	13.7	15.4	17.2	18.6
-31.25°	0.0	1.7	3.4	5.4	7.4	9.5	11.5	13.5	15.3	17.0	18.4
-32.5°	0.0	1.7	3.4	5.3	7.3	9.3	11.3	13.4	15.1	16.8	18.2
-33.75°	0.0	1.7	3.3	5.2	7.2	9.2	11.2	13.2	14.9	16.5	18.1
-35°	0.0	1.6	3.3	5.1	7.1	9.0	11.0	12.9	14.7	16.3	17.9
-36.25°	0.0	1.6	3.2	5.0	6.9	8.9	10.8	12.7	14.5	16.1	17.7
-37.5°	0.0	1.6	3.2	4.9	6.8	8.7	10.6	12.5	14.3	15.8	17.4
-38.75°	0.0	1.6	3.1	4.8	6.7	8.6	10.4	12.3	14.1	15.6	17.1
-40°	0.0	1.5	3.1	4.7	6.6	8.4	10.2	12.0	13.8	15.4	16.9
-41.25°	0.0	1.5	3.0	4.6	6.4	8.2	10.0	11.8	13.6	15.1	16.6
-42.5°	0.0	1.5	2.9	4.5	6.3	8.0	9.8	11.6	13.3	14.8	16.3
-43.75°	0.0	1.4	2.9	4.4	6.1	7.9	9.6	11.3	13.0	14.6	16.0
-45°	0.0	1.4	2.8	4.3	6.0	7.7	9.4	11.1	12.7	14.3	15.7
-46.25°	0.0	1.4	2.8	4.2	5.8	7.5	9.1	10.8	12.4	14.0	15.4
-47.5°	0.0	1.4	2.7	4.1	5.7	7.3	8.9	10.5	12.1	13.7	15.1
-48.75°	0.0	1.3	2.6	4.0	5.5	7.1	8.7	10.3	11.8	13.4	14.7
-50°	0.0	1.3	2.6	3.9	5.4	6.9	8.4	10.0	11.5	13.0	14.4
-51.25°	0.0	1.3	2.5	3.8	5.2	6.7	8.2	9.7	11.2	12.7	14.1
-52.5°	0.0	1.2	2.4	3.7	5.0	6.5	8.0	9.4	10.9	12.3	13.7
-53.75°	0.0	1.2	2.4	3.5	4.9	6.3	7.7	9.1	10.5	11.9	13.3
-55°	0.0	1.1	2.3	3.4	4.7	6.1	7.4	8.8	10.2	11.5	12.9
-56.25°	0.0	1.1	2.2	3.3	4.5	5.9	7.2	8.5	9.8	11.1	12.5
-57.5°	0.0	1.1	2.1	3.2	4.4	5.6	6.9	8.2	9.5	10.8	12.0
-58.75°	0.0	1.0	2.1	3.1	4.2	5.4	6.7	7.9	9.1	10.4	11.6
-60°	0.0	1.0	2.0	3.0	4.0	5.2	6.4	7.6	8.8	9.9	11.1
-61.25°	0.0	1.0	1.9	2.9	3.8	5.0	6.1	7.3	8.4	9.5	10.7
-62.5°	0.0	0.9	1.8	2.8	3.7	4.7	5.8	6.9	8.0	9.1	10.2
-63.75°	0.0	0.9	1.8	2.7	3.5	4.5	5.6	6.6	7.7	8.7	9.7
-65°	0.0	0.8	1.7	2.5	3.4	4.3	5.3	6.3	7.3	8.3	9.3
-66.25°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	5.9	6.9	7.9	8.8
-67.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.7	5.6	6.5	7.4	8.3
-68.75°	0.0	0.7	1.4	2.2	2.9	3.6	4.4	5.3	6.1	7.0	7.8
-70°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.9	5.7	6.5	7.4
-71.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.6	5.3	6.1	6.9
-72.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.9	5.7	6.4
-73.75°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5	5.2	5.9
-75°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.8	5.4
-76.25°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.3	4.9
-77.5°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.9	4.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
-80°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
-81.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
-83.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2
-85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
-86.25°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
-87.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-88.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
87.5°	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
86.25°	1.4	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.7
85°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
83.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.5
82.5°	2.8	3.1	3.3	3.6	3.8	4.1	4.4	4.7	5.0	5.3	5.6
81.25°	3.3	3.6	3.9	4.2	4.6	4.9	5.3	5.6	5.9	6.3	6.6
80°	3.8	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7
78.75°	4.3	4.8	5.2	5.7	6.1	6.5	7.0	7.4	7.9	8.3	8.7
77.5°	4.9	5.4	5.9	6.4	6.9	7.4	7.8	8.3	8.8	9.3	9.7
76.25°	5.4	6.0	6.5	7.1	7.6	8.2	8.7	9.2	9.7	10.3	10.8
75°	6.0	6.6	7.2	7.8	8.4	9.0	9.5	10.1	10.7	11.3	11.8
73.75°	6.5	7.2	7.8	8.5	9.1	9.7	10.4	11.0	11.6	12.2	12.9
72.5°	7.1	7.8	8.5	9.2	9.8	10.5	11.2	11.9	12.6	13.2	13.8
71.25°	7.6	8.4	9.1	9.8	10.6	11.3	12.0	12.8	13.5	14.1	14.7
70°	8.2	9.0	9.7	10.5	11.3	12.1	12.9	13.6	14.3	14.9	15.5
68.75°	8.7	9.5	10.4	11.2	12.0	12.9	13.7	14.4	15.0	15.7	16.4
67.5°	9.2	10.1	11.0	11.9	12.8	13.6	14.4	15.1	15.8	16.5	17.2
66.25°	9.7	10.7	11.6	12.6	13.5	14.3	15.0	15.8	16.5	17.3	17.9
65°	10.3	11.3	12.2	13.2	14.1	14.9	15.7	16.5	17.3	18.0	18.6
63.75°	10.8	11.8	12.9	13.8	14.7	15.5	16.4	17.2	17.9	18.6	19.2
62.5°	11.3	12.4	13.5	14.4	15.3	16.1	17.0	17.8	18.5	19.2	19.8
61.25°	11.8	12.9	14.0	14.9	15.8	16.7	17.6	18.4	19.1	19.7	20.4
60°	12.3	13.5	14.5	15.4	16.4	17.4	18.1	18.9	19.6	20.3	21.1
58.75°	12.8	13.9	15.0	16.0	17.0	17.9	18.6	19.4	20.2	20.9	21.7
57.5°	13.3	14.4	15.4	16.5	17.5	18.3	19.1	19.9	20.7	21.5	22.3
56.25°	13.7	14.8	15.9	17.0	18.0	18.8	19.6	20.4	21.2	22.1	22.9
55°	14.1	15.3	16.4	17.5	18.4	19.2	20.1	20.9	21.8	22.7	23.5
53.75°	14.5	15.7	16.8	17.9	18.8	19.7	20.5	21.4	22.3	23.2	24.1
52.5°	14.9	16.1	17.3	18.3	19.2	20.1	21.0	21.9	22.9	23.8	24.7
51.25°	15.3	16.5	17.7	18.7	19.6	20.5	21.5	22.4	23.4	24.3	25.3
50°	15.7	16.9	18.0	19.0	20.0	21.0	21.9	22.9	23.9	24.9	25.8
48.75°	16.0	17.3	18.4	19.4	20.4	21.4	22.4	23.4	24.4	25.4	26.4
47.5°	16.4	17.7	18.7	19.7	20.8	21.8	22.8	23.9	24.9	25.9	27.0
46.25°	16.7	18.0	19.0	20.1	21.1	22.2	23.3	24.3	25.4	26.5	27.9
45°	17.1	18.3	19.4	20.4	21.5	22.6	23.7	24.8	25.9	27.0	29.0
43.75°	17.4	18.6	19.7	20.8	21.9	23.0	24.1	25.2	26.3	27.8	30.0
42.5°	17.7	18.8	20.0	21.1	22.2	23.4	24.5	25.7	26.8	28.8	31.0
41.25°	18.0	19.1	20.3	21.4	22.6	23.8	24.9	26.1	27.4	29.7	32.0
40°	18.2	19.4	20.5	21.7	22.9	24.1	25.3	26.5	28.3	30.7	33.0
38.75°	18.4	19.6	20.8	22.1	23.3	24.5	25.7	26.9	29.2	31.6	33.9
37.5°	18.7	19.9	21.1	22.4	23.6	24.9	26.1	27.5	30.0	32.5	34.7
36.25°	18.9	20.1	21.4	22.7	23.9	25.2	26.5	28.3	30.8	33.3	35.5
35°	19.1	20.4	21.7	23.0	24.2	25.5	26.8	29.1	31.6	34.1	36.3



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	19.3	20.6	21.9	23.2	24.5	25.8	27.2	29.8	32.4	34.8	37.0
32.5°	19.5	20.8	22.2	23.5	24.8	26.2	27.9	30.5	33.1	35.5	37.8
31.25°	19.7	21.1	22.4	23.8	25.1	26.5	28.5	31.2	33.8	36.1	38.5
30°	19.9	21.3	22.7	24.0	25.4	26.8	29.1	31.8	34.4	36.8	39.2
28.75°	20.1	21.5	22.9	24.3	25.7	27.0	29.7	32.5	35.0	37.4	40.0
27.5°	20.3	21.7	23.1	24.5	25.9	27.5	30.3	33.1	35.6	38.0	40.8
26.25°	20.5	21.9	23.3	24.7	26.1	28.0	30.9	33.7	36.1	38.6	41.6
25°	20.6	22.1	23.5	24.9	26.4	28.5	31.4	34.2	36.7	39.2	42.4
23.75°	20.8	22.2	23.7	25.1	26.6	29.0	31.9	34.6	37.2	39.8	43.1
22.5°	20.9	22.4	23.9	25.3	26.8	29.5	32.4	35.1	37.6	40.5	43.8
21.25°	21.1	22.6	24.1	25.5	27.0	29.9	32.8	35.5	38.1	41.1	44.4
20°	21.2	22.7	24.2	25.7	27.3	30.3	33.3	35.9	38.5	41.7	45.0
18.75°	21.3	22.9	24.4	25.9	27.7	30.7	33.7	36.3	38.9	42.2	45.6
17.5°	21.5	23.0	24.5	26.0	28.0	31.0	34.0	36.6	39.4	42.8	46.2
16.25°	21.6	23.1	24.6	26.2	28.3	31.4	34.3	37.0	39.8	43.2	46.6
15°	21.7	23.2	24.8	26.3	28.6	31.7	34.6	37.3	40.2	43.7	47.0
13.75°	21.8	23.3	24.9	26.4	28.9	32.0	34.9	37.6	40.6	44.1	47.3
12.5°	21.9	23.4	25.0	26.6	29.1	32.2	35.1	37.8	41.0	44.5	47.6
11.25°	22.0	23.5	25.1	26.7	29.3	32.5	35.3	38.1	41.3	44.8	47.9
10°	22.0	23.6	25.2	26.7	29.5	32.7	35.5	38.3	41.6	45.1	48.1
8.75°	22.1	23.7	25.3	26.8	29.7	32.9	35.7	38.5	41.9	45.4	48.4
7.5°	22.1	23.7	25.3	26.9	29.9	33.0	35.9	38.6	42.1	45.6	48.6
6.25°	22.2	23.8	25.4	27.0	30.0	33.2	36.0	38.8	42.3	45.8	48.7
5°	22.2	23.8	25.4	27.0	30.1	33.3	36.1	38.9	42.4	46.0	48.9
3.75°	22.3	23.9	25.5	27.1	30.2	33.4	36.2	39.0	42.5	46.1	49.0
2.5°	22.3	23.9	25.5	27.1	30.3	33.4	36.3	39.0	42.6	46.2	49.0
1.25°	22.3	23.9	25.5	27.1	30.3	33.5	36.3	39.1	42.7	46.3	49.1
0°	22.3	23.9	25.5	27.1	30.3	33.5	36.3	39.1	42.7	46.3	49.1
-1.25°	22.3	23.9	25.5	27.1	30.3	33.5	36.3	39.1	42.7	46.3	49.1
-2.5°	22.3	23.9	25.5	27.1	30.3	33.4	36.3	39.0	42.6	46.2	49.0
-3.75°	22.3	23.9	25.5	27.1	30.2	33.4	36.2	39.0	42.5	46.1	49.0
-5°	22.2	23.8	25.4	27.0	30.1	33.3	36.1	38.9	42.4	46.0	48.9
-6.25°	22.2	23.8	25.4	27.0	30.0	33.2	36.0	38.8	42.3	45.8	48.7
-7.5°	22.1	23.7	25.3	26.9	29.9	33.0	35.9	38.6	42.1	45.6	48.6
-8.75°	22.1	23.7	25.3	26.8	29.7	32.9	35.7	38.5	41.9	45.4	48.4
-10°	22.0	23.6	25.2	26.7	29.5	32.7	35.5	38.3	41.6	45.1	48.1
-11.25°	22.0	23.5	25.1	26.7	29.3	32.5	35.3	38.1	41.3	44.8	47.9
-12.5°	21.9	23.4	25.0	26.6	29.1	32.2	35.1	37.8	41.0	44.5	47.6
-13.75°	21.8	23.3	24.9	26.4	28.9	32.0	34.9	37.6	40.6	44.1	47.3
-15°	21.7	23.2	24.8	26.3	28.6	31.7	34.6	37.3	40.2	43.7	47.0
-16.25°	21.6	23.1	24.6	26.2	28.3	31.4	34.3	37.0	39.8	43.2	46.6
-17.5°	21.5	23.0	24.5	26.0	28.0	31.0	34.0	36.6	39.4	42.8	46.2
-18.75°	21.3	22.9	24.4	25.9	27.7	30.7	33.7	36.3	38.9	42.2	45.6
-20°	21.2	22.7	24.2	25.7	27.3	30.3	33.3	35.9	38.5	41.7	45.0
-21.25°	21.1	22.6	24.1	25.5	27.0	29.9	32.8	35.5	38.1	41.1	44.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	20.9	22.4	23.9	25.3	26.8	29.5	32.4	35.1	37.6	40.5	43.8
-23.75°	20.8	22.2	23.7	25.1	26.6	29.0	31.9	34.6	37.2	39.8	43.1
-25°	20.6	22.1	23.5	24.9	26.4	28.5	31.4	34.2	36.7	39.2	42.4
-26.25°	20.5	21.9	23.3	24.7	26.1	28.0	30.9	33.7	36.1	38.6	41.6
-27.5°	20.3	21.7	23.1	24.5	25.9	27.5	30.3	33.1	35.6	38.0	40.8
-28.75°	20.1	21.5	22.9	24.3	25.7	27.0	29.7	32.5	35.0	37.4	40.0
-30°	19.9	21.3	22.7	24.0	25.4	26.8	29.1	31.8	34.4	36.8	39.2
-31.25°	19.7	21.1	22.4	23.8	25.1	26.5	28.5	31.2	33.8	36.1	38.5
-32.5°	19.5	20.8	22.2	23.5	24.8	26.2	27.9	30.5	33.1	35.5	37.8
-33.75°	19.3	20.6	21.9	23.2	24.5	25.8	27.2	29.8	32.4	34.8	37.0
-35°	19.1	20.4	21.7	23.0	24.2	25.5	26.8	29.1	31.6	34.1	36.3
-36.25°	18.9	20.1	21.4	22.7	23.9	25.2	26.5	28.3	30.8	33.3	35.5
-37.5°	18.7	19.9	21.1	22.4	23.6	24.9	26.1	27.5	30.0	32.5	34.7
-38.75°	18.4	19.6	20.8	22.1	23.3	24.5	25.7	26.9	29.2	31.6	33.9
-40°	18.2	19.4	20.5	21.7	22.9	24.1	25.3	26.5	28.3	30.7	33.0
-41.25°	18.0	19.1	20.3	21.4	22.6	23.8	24.9	26.1	27.4	29.7	32.0
-42.5°	17.7	18.8	20.0	21.1	22.2	23.4	24.5	25.7	26.8	28.8	31.0
-43.75°	17.4	18.6	19.7	20.8	21.9	23.0	24.1	25.2	26.3	27.8	30.0
-45°	17.1	18.3	19.4	20.4	21.5	22.6	23.7	24.8	25.9	27.0	29.0
-46.25°	16.7	18.0	19.0	20.1	21.1	22.2	23.3	24.3	25.4	26.5	27.9
-47.5°	16.4	17.7	18.7	19.7	20.8	21.8	22.8	23.9	24.9	25.9	27.0
-48.75°	16.0	17.3	18.4	19.4	20.4	21.4	22.4	23.4	24.4	25.4	26.4
-50°	15.7	16.9	18.0	19.0	20.0	21.0	21.9	22.9	23.9	24.9	25.8
-51.25°	15.3	16.5	17.7	18.7	19.6	20.5	21.5	22.4	23.4	24.3	25.3
-52.5°	14.9	16.1	17.3	18.3	19.2	20.1	21.0	21.9	22.9	23.8	24.7
-53.75°	14.5	15.7	16.8	17.9	18.8	19.7	20.5	21.4	22.3	23.2	24.1
-55°	14.1	15.3	16.4	17.5	18.4	19.2	20.1	20.9	21.8	22.7	23.5
-56.25°	13.7	14.8	15.9	17.0	18.0	18.8	19.6	20.4	21.2	22.1	22.9
-57.5°	13.3	14.4	15.4	16.5	17.5	18.3	19.1	19.9	20.7	21.5	22.3
-58.75°	12.8	13.9	15.0	16.0	17.0	17.9	18.6	19.4	20.2	20.9	21.7
-60°	12.3	13.5	14.5	15.4	16.4	17.4	18.1	18.9	19.6	20.3	21.1
-61.25°	11.8	12.9	14.0	14.9	15.8	16.7	17.6	18.4	19.1	19.7	20.4
-62.5°	11.3	12.4	13.5	14.4	15.3	16.1	17.0	17.8	18.5	19.2	19.8
-63.75°	10.8	11.8	12.9	13.8	14.7	15.5	16.4	17.2	17.9	18.6	19.2
-65°	10.3	11.3	12.2	13.2	14.1	14.9	15.7	16.5	17.3	18.0	18.6
-66.25°	9.7	10.7	11.6	12.6	13.5	14.3	15.0	15.8	16.5	17.3	17.9
-67.5°	9.2	10.1	11.0	11.9	12.8	13.6	14.4	15.1	15.8	16.5	17.2
-68.75°	8.7	9.5	10.4	11.2	12.0	12.9	13.7	14.4	15.0	15.7	16.4
-70°	8.2	9.0	9.7	10.5	11.3	12.1	12.9	13.6	14.3	14.9	15.5
-71.25°	7.6	8.4	9.1	9.8	10.6	11.3	12.0	12.8	13.5	14.1	14.7
-72.5°	7.1	7.8	8.5	9.2	9.8	10.5	11.2	11.9	12.6	13.2	13.8
-73.75°	6.5	7.2	7.8	8.5	9.1	9.7	10.4	11.0	11.6	12.2	12.9
-75°	6.0	6.6	7.2	7.8	8.4	9.0	9.5	10.1	10.7	11.3	11.8
-76.25°	5.4	6.0	6.5	7.1	7.6	8.2	8.7	9.2	9.7	10.3	10.8
-77.5°	4.9	5.4	5.9	6.4	6.9	7.4	7.8	8.3	8.8	9.3	9.7



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	4.3	4.8	5.2	5.7	6.1	6.5	7.0	7.4	7.9	8.3	8.7
-80°	3.8	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7
-81.25°	3.3	3.6	3.9	4.2	4.6	4.9	5.3	5.6	5.9	6.3	6.6
-82.5°	2.8	3.1	3.3	3.6	3.8	4.1	4.4	4.7	5.0	5.3	5.6
-83.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.5
-85°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
-86.25°	1.4	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.7
-87.5°	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
-88.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
87.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
86.25°	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9
85°	3.7	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.4
83.75°	4.7	5.0	5.2	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9
82.5°	5.8	6.1	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.2	8.4
81.25°	6.9	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0
80°	8.0	8.4	8.8	9.1	9.5	9.8	10.2	10.5	10.9	11.2	11.5
78.75°	9.1	9.5	9.9	10.4	10.8	11.1	11.5	11.9	12.3	12.7	13.0
77.5°	10.2	10.7	11.1	11.6	12.0	12.5	12.9	13.3	13.7	14.1	14.4
76.25°	11.3	11.8	12.3	12.8	13.3	13.7	14.1	14.5	14.9	15.3	15.7
75°	12.4	12.9	13.5	13.9	14.4	14.8	15.3	15.7	16.1	16.5	16.9
73.75°	13.5	14.0	14.5	15.0	15.4	15.9	16.4	16.8	17.3	17.7	18.0
72.5°	14.4	14.9	15.4	16.0	16.5	17.0	17.5	17.9	18.3	18.7	19.0
71.25°	15.3	15.8	16.4	17.0	17.5	18.0	18.4	18.8	19.2	19.6	20.0
70°	16.1	16.7	17.4	17.9	18.3	18.8	19.2	19.7	20.1	20.5	21.0
68.75°	17.0	17.6	18.1	18.6	19.1	19.6	20.1	20.5	21.0	21.5	21.9
67.5°	17.8	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9
66.25°	18.5	19.1	19.6	20.2	20.7	21.2	21.8	22.3	22.9	23.4	23.9
65°	19.2	19.7	20.3	20.9	21.5	22.1	22.7	23.2	23.8	24.3	24.9
63.75°	19.8	20.4	21.1	21.7	22.3	22.9	23.5	24.1	24.7	25.3	25.8
62.5°	20.5	21.1	21.8	22.4	23.1	23.7	24.4	25.0	25.6	26.2	26.8
61.25°	21.1	21.8	22.5	23.2	23.9	24.5	25.2	25.9	26.5	27.2	28.4
60°	21.8	22.5	23.2	23.9	24.6	25.3	26.0	26.7	27.7	29.0	30.3
58.75°	22.4	23.2	23.9	24.7	25.4	26.1	26.9	28.0	29.4	30.8	32.2
57.5°	23.1	23.9	24.6	25.4	26.2	26.9	28.3	29.7	31.2	32.6	34.0
56.25°	23.7	24.5	25.3	26.1	26.9	28.3	29.9	31.4	32.9	34.3	35.6
55°	24.4	25.2	26.0	26.9	28.3	29.9	31.5	33.1	34.5	35.8	37.2
53.75°	25.0	25.9	26.7	28.0	29.7	31.4	33.1	34.5	36.0	37.4	38.7
52.5°	25.6	26.5	27.7	29.4	31.2	32.9	34.5	36.0	37.4	38.9	40.6
51.25°	26.2	27.2	29.0	30.8	32.6	34.3	35.8	37.4	38.9	40.7	42.6
50°	26.8	28.4	30.3	32.2	34.0	35.6	37.2	38.7	40.6	42.6	44.6
48.75°	27.7	29.6	31.6	33.5	35.2	36.8	38.5	40.4	42.5	44.5	46.5
47.5°	28.8	30.8	32.8	34.7	36.4	38.1	40.0	42.1	44.2	46.3	48.0
46.25°	30.0	32.0	34.0	35.8	37.6	39.4	41.6	43.8	46.0	47.8	49.4
45°	31.1	33.2	35.1	36.9	38.7	40.9	43.2	45.5	47.4	49.1	50.9
43.75°	32.2	34.2	36.1	38.0	40.1	42.4	44.8	46.9	48.7	50.5	52.2
42.5°	33.3	35.2	37.2	39.1	41.5	43.9	46.3	48.2	50.0	51.9	53.4
41.25°	34.2	36.2	38.2	40.4	42.9	45.4	47.5	49.4	51.3	53.0	54.6
40°	35.1	37.1	39.2	41.7	44.3	46.7	48.7	50.6	52.5	54.1	55.7
38.75°	36.0	38.1	40.4	43.0	45.6	47.8	49.8	51.8	53.5	55.2	56.8
37.5°	36.8	38.9	41.6	44.3	46.8	48.9	50.9	52.8	54.5	56.3	57.5
36.25°	37.7	40.0	42.8	45.5	47.8	49.9	52.0	53.8	55.6	57.1	58.3
35°	38.5	41.1	43.9	46.6	48.8	50.9	52.9	54.7	56.5	57.8	59.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	39.3	42.2	45.0	47.5	49.7	51.9	53.8	55.6	57.2	58.4	59.7
32.5°	40.3	43.2	46.1	48.4	50.7	52.7	54.6	56.5	57.8	59.1	60.4
31.25°	41.3	44.2	47.0	49.3	51.6	53.5	55.5	57.2	58.4	59.7	61.2
30°	42.2	45.2	47.8	50.1	52.3	54.3	56.3	57.7	59.0	60.4	62.0
28.75°	43.1	46.1	48.5	50.9	53.1	55.1	56.9	58.3	59.6	61.1	62.7
27.5°	43.9	46.9	49.3	51.7	53.7	55.8	57.4	58.8	60.2	61.8	63.4
26.25°	44.8	47.5	50.0	52.3	54.4	56.5	57.9	59.3	60.8	62.5	64.1
25°	45.5	48.2	50.7	52.9	55.1	57.0	58.4	59.8	61.4	63.1	64.6
23.75°	46.3	48.8	51.3	53.5	55.7	57.4	58.8	60.3	62.0	63.7	65.1
22.5°	46.9	49.4	51.9	54.1	56.2	57.8	59.3	60.9	62.6	64.2	65.6
21.25°	47.4	50.0	52.4	54.6	56.8	58.2	59.7	61.4	63.1	64.7	66.1
20°	47.9	50.5	52.9	55.1	57.1	58.6	60.1	61.9	63.6	65.1	66.6
18.75°	48.4	51.0	53.4	55.6	57.4	58.9	60.5	62.3	64.1	65.5	67.0
17.5°	48.8	51.5	53.8	56.0	57.8	59.3	60.9	62.8	64.4	65.9	67.4
16.25°	49.2	51.9	54.2	56.5	58.0	59.6	61.3	63.2	64.8	66.3	67.8
15°	49.6	52.3	54.5	56.8	58.3	59.8	61.7	63.5	65.1	66.6	68.1
13.75°	50.0	52.6	54.9	57.0	58.6	60.1	62.0	63.9	65.4	66.9	68.5
12.5°	50.3	52.9	55.2	57.2	58.8	60.4	62.3	64.1	65.7	67.2	68.8
11.25°	50.6	53.1	55.5	57.4	59.0	60.7	62.6	64.4	65.9	67.5	69.0
10°	50.9	53.4	55.7	57.6	59.2	60.9	62.9	64.6	66.1	67.7	69.3
8.75°	51.1	53.6	56.0	57.8	59.4	61.2	63.1	64.8	66.3	67.9	69.5
7.5°	51.3	53.8	56.2	57.9	59.5	61.3	63.3	64.9	66.5	68.1	69.7
6.25°	51.5	53.9	56.3	58.0	59.6	61.5	63.4	65.1	66.7	68.3	69.8
5°	51.6	54.1	56.5	58.1	59.7	61.6	63.6	65.2	66.8	68.4	70.0
3.75°	51.8	54.2	56.6	58.2	59.8	61.7	63.7	65.3	66.9	68.5	70.1
2.5°	51.8	54.2	56.6	58.3	59.9	61.8	63.7	65.3	66.9	68.5	70.1
1.25°	51.9	54.3	56.7	58.3	59.9	61.8	63.8	65.4	67.0	68.6	70.2
0°	51.9	54.3	56.7	58.3	59.9	61.9	63.8	65.4	67.0	68.6	70.2
-1.25°	51.9	54.3	56.7	58.3	59.9	61.8	63.8	65.4	67.0	68.6	70.2
-2.5°	51.8	54.2	56.6	58.3	59.9	61.8	63.7	65.3	66.9	68.5	70.1
-3.75°	51.8	54.2	56.6	58.2	59.8	61.7	63.7	65.3	66.9	68.5	70.1
-5°	51.6	54.1	56.5	58.1	59.7	61.6	63.6	65.2	66.8	68.4	70.0
-6.25°	51.5	53.9	56.3	58.0	59.6	61.5	63.4	65.1	66.7	68.3	69.8
-7.5°	51.3	53.8	56.2	57.9	59.5	61.3	63.3	64.9	66.5	68.1	69.7
-8.75°	51.1	53.6	56.0	57.8	59.4	61.2	63.1	64.8	66.3	67.9	69.5
-10°	50.9	53.4	55.7	57.6	59.2	60.9	62.9	64.6	66.1	67.7	69.3
-11.25°	50.6	53.1	55.5	57.4	59.0	60.7	62.6	64.4	65.9	67.5	69.0
-12.5°	50.3	52.9	55.2	57.2	58.8	60.4	62.3	64.1	65.7	67.2	68.8
-13.75°	50.0	52.6	54.9	57.0	58.6	60.1	62.0	63.9	65.4	66.9	68.5
-15°	49.6	52.3	54.5	56.8	58.3	59.8	61.7	63.5	65.1	66.6	68.1
-16.25°	49.2	51.9	54.2	56.5	58.0	59.6	61.3	63.2	64.8	66.3	67.8
-17.5°	48.8	51.5	53.8	56.0	57.8	59.3	60.9	62.8	64.4	65.9	67.4
-18.75°	48.4	51.0	53.4	55.6	57.4	58.9	60.5	62.3	64.1	65.5	67.0
-20°	47.9	50.5	52.9	55.1	57.1	58.6	60.1	61.9	63.6	65.1	66.6
-21.25°	47.4	50.0	52.4	54.6	56.8	58.2	59.7	61.4	63.1	64.7	66.1



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	46.9	49.4	51.9	54.1	56.2	57.8	59.3	60.9	62.6	64.2	65.6
-23.75°	46.3	48.8	51.3	53.5	55.7	57.4	58.8	60.3	62.0	63.7	65.1
-25°	45.5	48.2	50.7	52.9	55.1	57.0	58.4	59.8	61.4	63.1	64.6
-26.25°	44.8	47.5	50.0	52.3	54.4	56.5	57.9	59.3	60.8	62.5	64.1
-27.5°	43.9	46.9	49.3	51.7	53.7	55.8	57.4	58.8	60.2	61.8	63.4
-28.75°	43.1	46.1	48.5	50.9	53.1	55.1	56.9	58.3	59.6	61.1	62.7
-30°	42.2	45.2	47.8	50.1	52.3	54.3	56.3	57.7	59.0	60.4	62.0
-31.25°	41.3	44.2	47.0	49.3	51.6	53.5	55.5	57.2	58.4	59.7	61.2
-32.5°	40.3	43.2	46.1	48.4	50.7	52.7	54.6	56.5	57.8	59.1	60.4
-33.75°	39.3	42.2	45.0	47.5	49.7	51.9	53.8	55.6	57.2	58.4	59.7
-35°	38.5	41.1	43.9	46.6	48.8	50.9	52.9	54.7	56.5	57.8	59.0
-36.25°	37.7	40.0	42.8	45.5	47.8	49.9	52.0	53.8	55.6	57.1	58.3
-37.5°	36.8	38.9	41.6	44.3	46.8	48.9	50.9	52.8	54.5	56.3	57.5
-38.75°	36.0	38.1	40.4	43.0	45.6	47.8	49.8	51.8	53.5	55.2	56.8
-40°	35.1	37.1	39.2	41.7	44.3	46.7	48.7	50.6	52.5	54.1	55.7
-41.25°	34.2	36.2	38.2	40.4	42.9	45.4	47.5	49.4	51.3	53.0	54.6
-42.5°	33.3	35.2	37.2	39.1	41.5	43.9	46.3	48.2	50.0	51.9	53.4
-43.75°	32.2	34.2	36.1	38.0	40.1	42.4	44.8	46.9	48.7	50.5	52.2
-45°	31.1	33.2	35.1	36.9	38.7	40.9	43.2	45.5	47.4	49.1	50.9
-46.25°	30.0	32.0	34.0	35.8	37.6	39.4	41.6	43.8	46.0	47.8	49.4
-47.5°	28.8	30.8	32.8	34.7	36.4	38.1	40.0	42.1	44.2	46.3	48.0
-48.75°	27.7	29.6	31.6	33.5	35.2	36.8	38.5	40.4	42.5	44.5	46.5
-50°	26.8	28.4	30.3	32.2	34.0	35.6	37.2	38.7	40.6	42.6	44.6
-51.25°	26.2	27.2	29.0	30.8	32.6	34.3	35.8	37.4	38.9	40.7	42.6
-52.5°	25.6	26.5	27.7	29.4	31.2	32.9	34.5	36.0	37.4	38.9	40.6
-53.75°	25.0	25.9	26.7	28.0	29.7	31.4	33.1	34.5	36.0	37.4	38.7
-55°	24.4	25.2	26.0	26.9	28.3	29.9	31.5	33.1	34.5	35.8	37.2
-56.25°	23.7	24.5	25.3	26.1	26.9	28.3	29.9	31.4	32.9	34.3	35.6
-57.5°	23.1	23.9	24.6	25.4	26.2	26.9	28.3	29.7	31.2	32.6	34.0
-58.75°	22.4	23.2	23.9	24.7	25.4	26.1	26.9	28.0	29.4	30.8	32.2
-60°	21.8	22.5	23.2	23.9	24.6	25.3	26.0	26.7	27.7	29.0	30.3
-61.25°	21.1	21.8	22.5	23.2	23.9	24.5	25.2	25.9	26.5	27.2	28.4
-62.5°	20.5	21.1	21.8	22.4	23.1	23.7	24.4	25.0	25.6	26.2	26.8
-63.75°	19.8	20.4	21.1	21.7	22.3	22.9	23.5	24.1	24.7	25.3	25.8
-65°	19.2	19.7	20.3	20.9	21.5	22.1	22.7	23.2	23.8	24.3	24.9
-66.25°	18.5	19.1	19.6	20.2	20.7	21.2	21.8	22.3	22.9	23.4	23.9
-67.5°	17.8	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9
-68.75°	17.0	17.6	18.1	18.6	19.1	19.6	20.1	20.5	21.0	21.5	21.9
-70°	16.1	16.7	17.4	17.9	18.3	18.8	19.2	19.7	20.1	20.5	21.0
-71.25°	15.3	15.8	16.4	17.0	17.5	18.0	18.4	18.8	19.2	19.6	20.0
-72.5°	14.4	14.9	15.4	16.0	16.5	17.0	17.5	17.9	18.3	18.7	19.0
-73.75°	13.5	14.0	14.5	15.0	15.4	15.9	16.4	16.8	17.3	17.7	18.0
-75°	12.4	12.9	13.5	13.9	14.4	14.8	15.3	15.7	16.1	16.5	16.9
-76.25°	11.3	11.8	12.3	12.8	13.3	13.7	14.1	14.5	14.9	15.3	15.7
-77.5°	10.2	10.7	11.1	11.6	12.0	12.5	12.9	13.3	13.7	14.1	14.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	9.1	9.5	9.9	10.4	10.8	11.1	11.5	11.9	12.3	12.7	13.0
-80°	8.0	8.4	8.8	9.1	9.5	9.8	10.2	10.5	10.9	11.2	11.5
-81.25°	6.9	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0
-82.5°	5.8	6.1	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.2	8.4
-83.75°	4.7	5.0	5.2	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9
-85°	3.7	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.4
-86.25°	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9
-87.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
-88.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
87.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
86.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
85°	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.6	6.7	6.8	6.9
83.75°	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.4	8.6	8.7	8.9
82.5°	8.7	8.9	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8
81.25°	10.3	10.5	10.8	11.1	11.3	11.6	11.8	12.0	12.3	12.5	12.7
80°	11.8	12.1	12.4	12.7	13.0	13.3	13.6	13.8	14.1	14.3	14.5
78.75°	13.4	13.7	14.0	14.3	14.6	14.8	15.1	15.4	15.6	15.8	16.1
77.5°	14.7	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.1	17.4	17.7
76.25°	16.0	16.4	16.7	17.1	17.4	17.7	18.0	18.2	18.4	18.7	18.9
75°	17.3	17.7	18.0	18.3	18.6	18.8	19.1	19.4	19.6	19.9	20.1
73.75°	18.4	18.7	19.0	19.4	19.7	20.0	20.3	20.5	20.8	21.1	21.4
72.5°	19.4	19.7	20.1	20.4	20.8	21.1	21.4	21.7	22.1	22.4	22.7
71.25°	20.4	20.8	21.1	21.5	21.9	22.2	22.6	22.9	23.3	23.6	23.9
70°	21.4	21.8	22.2	22.6	23.0	23.4	23.8	24.1	24.5	24.9	25.2
68.75°	22.4	22.8	23.3	23.7	24.1	24.5	24.9	25.3	25.7	26.1	26.5
67.5°	23.4	23.9	24.3	24.8	25.2	25.7	26.1	26.5	26.9	27.5	28.3
66.25°	24.4	24.9	25.4	25.9	26.3	26.8	27.4	28.3	29.2	30.0	30.8
65°	25.4	25.9	26.5	27.0	27.8	28.8	29.7	30.7	31.6	32.5	33.3
63.75°	26.4	27.0	27.9	29.0	30.0	31.0	32.0	33.0	33.9	34.7	35.5
62.5°	27.7	28.8	30.0	31.1	32.2	33.3	34.2	35.1	36.0	36.8	37.7
61.25°	29.6	30.8	32.0	33.2	34.2	35.2	36.2	37.1	38.1	38.9	40.0
60°	31.6	32.8	34.0	35.1	36.1	37.2	38.2	39.2	40.4	41.6	42.8
58.75°	33.5	34.7	35.8	36.9	38.0	39.1	40.4	41.7	43.0	44.3	45.5
57.5°	35.2	36.4	37.6	38.7	40.1	41.5	42.9	44.3	45.6	46.8	47.8
56.25°	36.8	38.1	39.4	40.9	42.4	43.9	45.4	46.7	47.8	48.9	49.9
55°	38.5	40.0	41.6	43.2	44.8	46.3	47.5	48.7	49.8	50.9	52.0
53.75°	40.4	42.1	43.8	45.5	46.9	48.2	49.4	50.6	51.8	52.8	53.8
52.5°	42.5	44.2	46.0	47.4	48.7	50.0	51.3	52.5	53.5	54.5	55.6
51.25°	44.5	46.3	47.8	49.1	50.5	51.9	53.0	54.1	55.2	56.3	57.1
50°	46.5	48.0	49.4	50.9	52.2	53.4	54.6	55.7	56.8	57.5	58.3
48.75°	48.0	49.6	51.1	52.5	53.7	54.9	56.2	57.1	57.9	58.7	59.4
47.5°	49.6	51.1	52.6	53.9	55.2	56.5	57.4	58.2	59.0	59.8	60.7
46.25°	51.1	52.6	53.9	55.3	56.6	57.5	58.4	59.2	60.1	61.1	62.1
45°	52.5	53.9	55.3	56.7	57.6	58.5	59.4	60.4	61.4	62.4	63.4
43.75°	53.7	55.2	56.6	57.6	58.6	59.5	60.5	61.6	62.7	63.7	64.6
42.5°	54.9	56.5	57.5	58.5	59.5	60.6	61.7	62.8	63.9	64.8	65.7
41.25°	56.2	57.4	58.4	59.4	60.5	61.7	62.9	64.0	64.9	65.9	66.8
40°	57.1	58.2	59.2	60.4	61.6	62.8	64.0	65.0	66.0	66.9	67.8
38.75°	57.9	59.0	60.1	61.4	62.7	63.9	64.9	66.0	66.9	67.9	68.9
37.5°	58.7	59.8	61.1	62.4	63.7	64.8	65.9	66.9	67.9	68.9	69.9
36.25°	59.4	60.7	62.1	63.4	64.6	65.7	66.8	67.8	68.9	69.9	71.7
35°	60.2	61.6	63.0	64.3	65.4	66.6	67.7	68.7	69.8	71.6	73.6



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	61.1	62.5	63.9	65.1	66.3	67.4	68.5	69.6	71.3	73.5	75.6
32.5°	61.9	63.4	64.7	65.9	67.0	68.2	69.4	70.8	73.1	75.3	79.2
31.25°	62.7	64.2	65.4	66.6	67.8	69.0	70.2	72.5	74.8	78.1	84.6
30°	63.5	64.8	66.1	67.3	68.6	69.8	71.8	74.2	76.6	83.2	89.8
28.75°	64.2	65.5	66.8	68.0	69.3	70.9	73.4	75.8	81.3	88.2	95.0
27.5°	64.8	66.1	67.4	68.7	70.0	72.4	74.9	78.8	85.9	93.0	103.5
26.25°	65.4	66.7	68.1	69.4	71.2	73.8	76.3	83.2	90.5	99.6	111.9
25°	66.0	67.3	68.7	70.0	72.5	75.1	79.9	87.4	94.8	107.4	120.0
23.75°	66.5	67.9	69.3	71.1	73.8	76.5	83.9	91.5	102.0	115.0	127.9
22.5°	67.0	68.4	69.8	72.2	75.0	79.8	87.6	95.6	109.0	122.2	135.8
21.25°	67.5	69.0	70.5	73.3	76.1	83.3	91.2	102.1	115.7	129.3	143.4
20°	68.0	69.4	71.5	74.4	78.4	86.6	94.6	108.3	122.1	136.3	150.6
18.75°	68.5	69.9	72.5	75.4	81.5	89.7	100.0	114.2	128.3	143.0	157.5
17.5°	68.9	70.5	73.4	76.4	84.3	92.6	105.3	119.7	134.3	149.3	165.1
16.25°	69.3	71.3	74.3	78.5	87.0	95.7	110.4	124.9	140.0	155.2	173.1
15°	69.6	72.1	75.1	80.9	89.5	100.2	115.0	129.9	145.4	160.8	180.5
13.75°	70.0	72.8	75.8	83.1	91.8	104.4	119.4	134.7	150.3	167.5	187.4
12.5°	70.4	73.4	76.5	85.1	93.9	108.2	123.4	139.1	154.9	173.6	193.8
11.25°	70.9	74.0	78.1	87.0	96.4	111.7	127.0	143.1	159.0	179.2	199.6
10°	71.5	74.6	79.7	88.6	99.4	114.9	130.5	146.6	163.5	184.2	204.9
8.75°	71.9	75.0	81.1	90.1	102.1	117.7	133.5	149.8	167.8	188.7	209.5
7.5°	72.3	75.5	82.4	91.4	104.4	120.1	136.2	152.6	171.5	192.6	213.6
6.25°	72.6	75.8	83.4	92.5	106.4	122.2	138.5	155.0	174.7	195.9	217.1
5°	72.9	76.1	84.3	93.4	108.0	123.9	140.3	156.9	177.3	198.6	219.9
3.75°	73.1	76.3	84.9	94.1	109.3	125.2	141.8	158.4	179.3	200.7	222.2
2.5°	73.3	76.5	85.4	94.6	110.2	126.1	142.8	159.5	180.8	202.3	223.8
1.25°	73.4	76.6	85.7	94.9	110.8	126.7	143.4	160.2	181.7	203.2	224.7
0°	73.4	76.6	85.8	95.0	111.0	126.9	143.7	160.4	182.0	203.5	225.1
-1.25°	73.4	76.6	85.7	94.9	110.8	126.7	143.4	160.2	181.7	203.2	224.7
-2.5°	73.3	76.5	85.4	94.6	110.2	126.1	142.8	159.5	180.8	202.3	223.8
-3.75°	73.1	76.3	84.9	94.1	109.3	125.2	141.8	158.4	179.3	200.7	222.2
-5°	72.9	76.1	84.3	93.4	108.0	123.9	140.3	156.9	177.3	198.6	219.9
-6.25°	72.6	75.8	83.4	92.5	106.4	122.2	138.5	155.0	174.7	195.9	217.1
-7.5°	72.3	75.5	82.4	91.4	104.4	120.1	136.2	152.6	171.5	192.6	213.6
-8.75°	71.9	75.0	81.1	90.1	102.1	117.7	133.5	149.8	167.8	188.7	209.5
-10°	71.5	74.6	79.7	88.6	99.4	114.9	130.5	146.6	163.5	184.2	204.9
-11.25°	70.9	74.0	78.1	87.0	96.4	111.7	127.0	143.1	159.0	179.2	199.6
-12.5°	70.4	73.4	76.5	85.1	93.9	108.2	123.4	139.1	154.9	173.6	193.8
-13.75°	70.0	72.8	75.8	83.1	91.8	104.4	119.4	134.7	150.3	167.5	187.4
-15°	69.6	72.1	75.1	80.9	89.5	100.2	115.0	129.9	145.4	160.8	180.5
-16.25°	69.3	71.3	74.3	78.5	87.0	95.7	110.4	124.9	140.0	155.2	173.1
-17.5°	68.9	70.5	73.4	76.4	84.3	92.6	105.3	119.7	134.3	149.3	165.1
-18.75°	68.5	69.9	72.5	75.4	81.5	89.7	100.0	114.2	128.3	143.0	157.5
-20°	68.0	69.4	71.5	74.4	78.4	86.6	94.6	108.3	122.1	136.3	150.6
-21.25°	67.5	69.0	70.5	73.3	76.1	83.3	91.2	102.1	115.7	129.3	143.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	67.0	68.4	69.8	72.2	75.0	79.8	87.6	95.6	109.0	122.2	135.8
-23.75°	66.5	67.9	69.3	71.1	73.8	76.5	83.9	91.5	102.0	115.0	127.9
-25°	66.0	67.3	68.7	70.0	72.5	75.1	79.9	87.4	94.8	107.4	120.0
-26.25°	65.4	66.7	68.1	69.4	71.2	73.8	76.3	83.2	90.5	99.6	111.9
-27.5°	64.8	66.1	67.4	68.7	70.0	72.4	74.9	78.8	85.9	93.0	103.5
-28.75°	64.2	65.5	66.8	68.0	69.3	70.9	73.4	75.8	81.3	88.2	95.0
-30°	63.5	64.8	66.1	67.3	68.6	69.8	71.8	74.2	76.6	83.2	89.8
-31.25°	62.7	64.2	65.4	66.6	67.8	69.0	70.2	72.5	74.8	78.1	84.6
-32.5°	61.9	63.4	64.7	65.9	67.0	68.2	69.4	70.8	73.1	75.3	79.2
-33.75°	61.1	62.5	63.9	65.1	66.3	67.4	68.5	69.6	71.3	73.5	75.6
-35°	60.2	61.6	63.0	64.3	65.4	66.6	67.7	68.7	69.8	71.6	73.6
-36.25°	59.4	60.7	62.1	63.4	64.6	65.7	66.8	67.8	68.9	69.9	71.7
-37.5°	58.7	59.8	61.1	62.4	63.7	64.8	65.9	66.9	67.9	68.9	69.9
-38.75°	57.9	59.0	60.1	61.4	62.7	63.9	64.9	66.0	66.9	67.9	68.9
-40°	57.1	58.2	59.2	60.4	61.6	62.8	64.0	65.0	66.0	66.9	67.8
-41.25°	56.2	57.4	58.4	59.4	60.5	61.7	62.9	64.0	64.9	65.9	66.8
-42.5°	54.9	56.5	57.5	58.5	59.5	60.6	61.7	62.8	63.9	64.8	65.7
-43.75°	53.7	55.2	56.6	57.6	58.6	59.5	60.5	61.6	62.7	63.7	64.6
-45°	52.5	53.9	55.3	56.7	57.6	58.5	59.4	60.4	61.4	62.4	63.4
-46.25°	51.1	52.6	53.9	55.3	56.6	57.5	58.4	59.2	60.1	61.1	62.1
-47.5°	49.6	51.1	52.6	53.9	55.2	56.5	57.4	58.2	59.0	59.8	60.7
-48.75°	48.0	49.6	51.1	52.5	53.7	54.9	56.2	57.1	57.9	58.7	59.4
-50°	46.5	48.0	49.4	50.9	52.2	53.4	54.6	55.7	56.8	57.5	58.3
-51.25°	44.5	46.3	47.8	49.1	50.5	51.9	53.0	54.1	55.2	56.3	57.1
-52.5°	42.5	44.2	46.0	47.4	48.7	50.0	51.3	52.5	53.5	54.5	55.6
-53.75°	40.4	42.1	43.8	45.5	46.9	48.2	49.4	50.6	51.8	52.8	53.8
-55°	38.5	40.0	41.6	43.2	44.8	46.3	47.5	48.7	49.8	50.9	52.0
-56.25°	36.8	38.1	39.4	40.9	42.4	43.9	45.4	46.7	47.8	48.9	49.9
-57.5°	35.2	36.4	37.6	38.7	40.1	41.5	42.9	44.3	45.6	46.8	47.8
-58.75°	33.5	34.7	35.8	36.9	38.0	39.1	40.4	41.7	43.0	44.3	45.5
-60°	31.6	32.8	34.0	35.1	36.1	37.2	38.2	39.2	40.4	41.6	42.8
-61.25°	29.6	30.8	32.0	33.2	34.2	35.2	36.2	37.1	38.1	38.9	40.0
-62.5°	27.7	28.8	30.0	31.1	32.2	33.3	34.2	35.1	36.0	36.8	37.7
-63.75°	26.4	27.0	27.9	29.0	30.0	31.0	32.0	33.0	33.9	34.7	35.5
-65°	25.4	25.9	26.5	27.0	27.8	28.8	29.7	30.7	31.6	32.5	33.3
-66.25°	24.4	24.9	25.4	25.9	26.3	26.8	27.4	28.3	29.2	30.0	30.8
-67.5°	23.4	23.9	24.3	24.8	25.2	25.7	26.1	26.5	26.9	27.5	28.3
-68.75°	22.4	22.8	23.3	23.7	24.1	24.5	24.9	25.3	25.7	26.1	26.5
-70°	21.4	21.8	22.2	22.6	23.0	23.4	23.8	24.1	24.5	24.9	25.2
-71.25°	20.4	20.8	21.1	21.5	21.9	22.2	22.6	22.9	23.3	23.6	23.9
-72.5°	19.4	19.7	20.1	20.4	20.8	21.1	21.4	21.7	22.1	22.4	22.7
-73.75°	18.4	18.7	19.0	19.4	19.7	20.0	20.3	20.5	20.8	21.1	21.4
-75°	17.3	17.7	18.0	18.3	18.6	18.8	19.1	19.4	19.6	19.9	20.1
-76.25°	16.0	16.4	16.7	17.1	17.4	17.7	18.0	18.2	18.4	18.7	18.9
-77.5°	14.7	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.1	17.4	17.7



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	13.4	13.7	14.0	14.3	14.6	14.8	15.1	15.4	15.6	15.8	16.1
-80°	11.8	12.1	12.4	12.7	13.0	13.3	13.6	13.8	14.1	14.3	14.5
-81.25°	10.3	10.5	10.8	11.1	11.3	11.6	11.8	12.0	12.3	12.5	12.7
-82.5°	8.7	8.9	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8
-83.75°	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.4	8.6	8.7	8.9
-85°	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.6	6.7	6.8	6.9
-86.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
-87.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
-88.75°	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
86.25°	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9
85°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
83.75°	9.0	9.2	9.3	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
82.5°	11.0	11.2	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.4	12.5
81.25°	12.9	13.2	13.4	13.5	13.7	13.9	14.0	14.1	14.3	14.4	14.5
80°	14.7	14.9	15.1	15.3	15.4	15.6	15.8	15.9	16.1	16.2	16.4
78.75°	16.3	16.5	16.8	17.0	17.2	17.4	17.5	17.7	17.8	18.0	18.1
77.5°	17.9	18.1	18.2	18.4	18.6	18.8	18.9	19.1	19.2	19.4	19.5
76.25°	19.1	19.3	19.5	19.7	19.9	20.1	20.3	20.5	20.6	20.8	20.9
75°	20.4	20.6	20.8	21.1	21.3	21.5	21.7	21.9	22.1	22.2	22.4
73.75°	21.7	21.9	22.2	22.4	22.7	22.9	23.1	23.3	23.5	23.7	23.9
72.5°	23.0	23.2	23.5	23.8	24.0	24.3	24.5	24.7	24.9	25.1	25.3
71.25°	24.2	24.5	24.8	25.1	25.4	25.7	25.9	26.1	26.4	26.6	26.8
70°	25.5	25.8	26.2	26.5	26.8	27.0	27.5	28.0	28.5	29.0	29.5
68.75°	26.8	27.2	27.9	28.5	29.1	29.7	30.3	30.9	31.4	31.9	32.4
67.5°	29.1	29.8	30.5	31.2	31.8	32.5	33.1	33.7	34.2	34.6	35.1
66.25°	31.6	32.4	33.1	33.8	34.4	35.0	35.6	36.1	36.7	37.2	37.6
65°	34.1	34.8	35.5	36.1	36.8	37.4	38.0	38.6	39.2	39.8	40.5
63.75°	36.3	37.0	37.8	38.5	39.2	40.0	40.8	41.6	42.4	43.1	43.8
62.5°	38.5	39.3	40.3	41.3	42.2	43.1	43.9	44.8	45.5	46.3	46.9
61.25°	41.1	42.2	43.2	44.2	45.2	46.1	46.9	47.5	48.2	48.8	49.4
60°	43.9	45.0	46.1	47.0	47.8	48.5	49.3	50.0	50.7	51.3	51.9
58.75°	46.6	47.5	48.4	49.3	50.1	50.9	51.7	52.3	52.9	53.5	54.1
57.5°	48.8	49.7	50.7	51.6	52.3	53.1	53.7	54.4	55.1	55.7	56.2
56.25°	50.9	51.9	52.7	53.5	54.3	55.1	55.8	56.5	57.0	57.4	57.8
55°	52.9	53.8	54.6	55.5	56.3	56.9	57.4	57.9	58.4	58.8	59.3
53.75°	54.7	55.6	56.5	57.2	57.7	58.3	58.8	59.3	59.8	60.3	60.9
52.5°	56.5	57.2	57.8	58.4	59.0	59.6	60.2	60.8	61.4	62.0	62.6
51.25°	57.8	58.4	59.1	59.7	60.4	61.1	61.8	62.5	63.1	63.7	64.2
50°	59.0	59.7	60.4	61.2	62.0	62.7	63.4	64.1	64.6	65.1	65.6
48.75°	60.2	61.1	61.9	62.7	63.5	64.2	64.8	65.4	66.0	66.5	67.0
47.5°	61.6	62.5	63.4	64.2	64.8	65.5	66.1	66.7	67.3	67.9	68.4
46.25°	63.0	63.9	64.7	65.4	66.1	66.8	67.4	68.1	68.7	69.3	69.8
45°	64.3	65.1	65.9	66.6	67.3	68.0	68.7	69.4	70.0	71.1	72.2
43.75°	65.4	66.3	67.0	67.8	68.6	69.3	70.0	71.2	72.5	73.8	75.0
42.5°	66.6	67.4	68.2	69.0	69.8	70.9	72.4	73.8	75.1	76.5	79.8
41.25°	67.7	68.5	69.4	70.2	71.8	73.4	74.9	76.3	79.9	83.9	87.6
40°	68.7	69.6	70.8	72.5	74.2	75.8	78.8	83.2	87.4	91.5	95.6
38.75°	69.8	71.3	73.1	74.8	76.6	81.3	85.9	90.5	94.8	102.0	109.0
37.5°	71.6	73.5	75.3	78.1	83.2	88.2	93.0	99.6	107.4	115.0	122.2
36.25°	73.6	75.6	79.2	84.6	89.8	95.0	103.5	111.9	120.0	127.9	135.8
35°	75.7	79.8	85.4	91.0	97.4	106.5	115.4	124.1	132.8	141.3	149.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	79.8	85.7	91.5	98.9	108.5	118.0	127.2	136.6	145.7	154.5	163.7
32.5°	85.4	91.5	99.4	109.5	119.5	129.3	139.3	149.0	158.4	169.6	180.9
31.25°	91.0	98.9	109.5	120.0	130.4	141.0	151.2	161.5	174.0	186.1	197.8
30°	97.4	108.5	119.5	130.4	141.5	152.4	163.7	177.0	189.9	202.4	214.5
28.75°	106.5	118.0	129.3	141.0	152.4	164.4	178.5	192.2	205.5	218.5	231.0
27.5°	115.4	127.2	139.3	151.2	163.7	178.5	192.9	207.0	220.8	234.2	247.4
26.25°	124.1	136.6	149.0	161.5	177.0	192.2	207.0	221.6	235.8	250.7	268.9
25°	132.8	145.7	158.4	174.0	189.9	205.5	220.8	235.8	251.8	271.2	289.9
23.75°	141.3	154.5	169.6	186.1	202.4	218.5	234.2	250.7	271.2	291.1	311.3
22.5°	149.4	163.7	180.9	197.8	214.5	231.0	247.4	268.9	289.9	311.3	334.4
21.25°	157.3	174.2	191.7	209.1	226.2	243.1	264.4	286.5	308.6	333.0	356.8
20°	166.1	184.2	202.2	219.9	237.4	257.6	280.7	303.4	328.8	353.9	379.5
18.75°	175.3	193.8	212.1	230.2	248.7	272.7	296.4	321.9	348.2	374.4	404.3
17.5°	184.1	202.9	221.6	240.1	262.6	287.1	312.3	339.7	366.8	396.9	441.5
16.25°	192.3	211.5	230.5	250.3	275.6	300.7	328.6	356.7	386.5	427.3	495.2
15°	200.1	219.5	238.9	262.2	288.0	314.8	344.0	372.9	407.7	464.9	558.7
13.75°	207.3	227.1	246.8	273.2	299.5	328.7	358.4	390.4	436.8	517.8	631.5
12.5°	213.9	234.0	256.5	283.4	310.9	341.5	371.8	408.8	472.3	576.2	705.6
11.25°	220.0	240.3	265.5	292.8	322.2	353.2	386.0	432.6	515.8	636.2	776.6
10°	225.5	246.1	273.6	301.3	332.4	363.9	399.0	455.7	560.7	695.9	845.3
8.75°	230.4	252.8	280.8	309.4	341.5	373.7	415.1	489.4	607.4	751.3	907.4
7.5°	234.6	258.8	287.1	317.0	349.4	383.4	431.4	519.1	648.5	801.3	960.0
6.25°	238.3	263.9	292.5	323.5	356.2	391.7	445.2	546.4	687.7	845.9	1004.8
5°	241.3	268.2	297.0	328.8	361.8	398.5	459.7	574.0	720.5	882.7	1042.0
3.75°	243.6	271.5	300.4	333.0	366.2	404.3	475.4	595.6	746.3	911.7	1069.0
2.5°	245.3	273.8	302.9	336.0	369.4	410.5	486.6	611.2	764.8	931.7	1088.2
1.25°	246.3	275.3	304.4	337.8	371.3	414.1	493.3	620.5	776.0	943.7	1099.9
0°	246.6	275.8	304.9	338.4	371.9	415.4	495.6	623.7	779.7	947.7	1103.8
-1.25°	246.3	275.3	304.4	337.8	371.3	414.1	493.3	620.5	776.0	943.7	1099.9
-2.5°	245.3	273.8	302.9	336.0	369.4	410.5	486.6	611.2	764.8	931.7	1088.2
-3.75°	243.6	271.5	300.4	333.0	366.2	404.3	475.4	595.6	746.3	911.7	1069.0
-5°	241.3	268.2	297.0	328.8	361.8	398.5	459.7	574.0	720.5	882.7	1042.0
-6.25°	238.3	263.9	292.5	323.5	356.2	391.7	445.2	546.4	687.7	845.9	1004.8
-7.5°	234.6	258.8	287.1	317.0	349.4	383.4	431.4	519.1	648.5	801.3	960.0
-8.75°	230.4	252.8	280.8	309.4	341.5	373.7	415.1	489.4	607.4	751.3	907.4
-10°	225.5	246.1	273.6	301.3	332.4	363.9	399.0	455.7	560.7	695.9	845.3
-11.25°	220.0	240.3	265.5	292.8	322.2	353.2	386.0	432.6	515.8	636.2	776.6
-12.5°	213.9	234.0	256.5	283.4	310.9	341.5	371.8	408.8	472.3	576.2	705.6
-13.75°	207.3	227.1	246.8	273.2	299.5	328.7	358.4	390.4	436.8	517.8	631.5
-15°	200.1	219.5	238.9	262.2	288.0	314.8	344.0	372.9	407.7	464.9	558.7
-16.25°	192.3	211.5	230.5	250.3	275.6	300.7	328.6	356.7	386.5	427.3	495.2
-17.5°	184.1	202.9	221.6	240.1	262.6	287.1	312.3	339.7	366.8	396.9	441.5
-18.75°	175.3	193.8	212.1	230.2	248.7	272.7	296.4	321.9	348.2	374.4	404.3
-20°	166.1	184.2	202.2	219.9	237.4	257.6	280.7	303.4	328.8	353.9	379.5
-21.25°	157.3	174.2	191.7	209.1	226.2	243.1	264.4	286.5	308.6	333.0	356.8



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	149.4	163.7	180.9	197.8	214.5	231.0	247.4	268.9	289.9	311.3	334.4
-23.75°	141.3	154.5	169.6	186.1	202.4	218.5	234.2	250.7	271.2	291.1	311.3
-25°	132.8	145.7	158.4	174.0	189.9	205.5	220.8	235.8	251.8	271.2	289.9
-26.25°	124.1	136.6	149.0	161.5	177.0	192.2	207.0	221.6	235.8	250.7	268.9
-27.5°	115.4	127.2	139.3	151.2	163.7	178.5	192.9	207.0	220.8	234.2	247.4
-28.75°	106.5	118.0	129.3	141.0	152.4	164.4	178.5	192.2	205.5	218.5	231.0
-30°	97.4	108.5	119.5	130.4	141.5	152.4	163.7	177.0	189.9	202.4	214.5
-31.25°	91.0	98.9	109.5	120.0	130.4	141.0	151.2	161.5	174.0	186.1	197.8
-32.5°	85.4	91.5	99.4	109.5	119.5	129.3	139.3	149.0	158.4	169.6	180.9
-33.75°	79.8	85.7	91.5	98.9	108.5	118.0	127.2	136.6	145.7	154.5	163.7
-35°	75.7	79.8	85.4	91.0	97.4	106.5	115.4	124.1	132.8	141.3	149.4
-36.25°	73.6	75.6	79.2	84.6	89.8	95.0	103.5	111.9	120.0	127.9	135.8
-37.5°	71.6	73.5	75.3	78.1	83.2	88.2	93.0	99.6	107.4	115.0	122.2
-38.75°	69.8	71.3	73.1	74.8	76.6	81.3	85.9	90.5	94.8	102.0	109.0
-40°	68.7	69.6	70.8	72.5	74.2	75.8	78.8	83.2	87.4	91.5	95.6
-41.25°	67.7	68.5	69.4	70.2	71.8	73.4	74.9	76.3	79.9	83.9	87.6
-42.5°	66.6	67.4	68.2	69.0	69.8	70.9	72.4	73.8	75.1	76.5	79.8
-43.75°	65.4	66.3	67.0	67.8	68.6	69.3	70.0	71.2	72.5	73.8	75.0
-45°	64.3	65.1	65.9	66.6	67.3	68.0	68.7	69.4	70.0	71.1	72.2
-46.25°	63.0	63.9	64.7	65.4	66.1	66.8	67.4	68.1	68.7	69.3	69.8
-47.5°	61.6	62.5	63.4	64.2	64.8	65.5	66.1	66.7	67.3	67.9	68.4
-48.75°	60.2	61.1	61.9	62.7	63.5	64.2	64.8	65.4	66.0	66.5	67.0
-50°	59.0	59.7	60.4	61.2	62.0	62.7	63.4	64.1	64.6	65.1	65.6
-51.25°	57.8	58.4	59.1	59.7	60.4	61.1	61.8	62.5	63.1	63.7	64.2
-52.5°	56.5	57.2	57.8	58.4	59.0	59.6	60.2	60.8	61.4	62.0	62.6
-53.75°	54.7	55.6	56.5	57.2	57.7	58.3	58.8	59.3	59.8	60.3	60.9
-55°	52.9	53.8	54.6	55.5	56.3	56.9	57.4	57.9	58.4	58.8	59.3
-56.25°	50.9	51.9	52.7	53.5	54.3	55.1	55.8	56.5	57.0	57.4	57.8
-57.5°	48.8	49.7	50.7	51.6	52.3	53.1	53.7	54.4	55.1	55.7	56.2
-58.75°	46.6	47.5	48.4	49.3	50.1	50.9	51.7	52.3	52.9	53.5	54.1
-60°	43.9	45.0	46.1	47.0	47.8	48.5	49.3	50.0	50.7	51.3	51.9
-61.25°	41.1	42.2	43.2	44.2	45.2	46.1	46.9	47.5	48.2	48.8	49.4
-62.5°	38.5	39.3	40.3	41.3	42.2	43.1	43.9	44.8	45.5	46.3	46.9
-63.75°	36.3	37.0	37.8	38.5	39.2	40.0	40.8	41.6	42.4	43.1	43.8
-65°	34.1	34.8	35.5	36.1	36.8	37.4	38.0	38.6	39.2	39.8	40.5
-66.25°	31.6	32.4	33.1	33.8	34.4	35.0	35.6	36.1	36.7	37.2	37.6
-67.5°	29.1	29.8	30.5	31.2	31.8	32.5	33.1	33.7	34.2	34.6	35.1
-68.75°	26.8	27.2	27.9	28.5	29.1	29.7	30.3	30.9	31.4	31.9	32.4
-70°	25.5	25.8	26.2	26.5	26.8	27.0	27.5	28.0	28.5	29.0	29.5
-71.25°	24.2	24.5	24.8	25.1	25.4	25.7	25.9	26.1	26.4	26.6	26.8
-72.5°	23.0	23.2	23.5	23.8	24.0	24.3	24.5	24.7	24.9	25.1	25.3
-73.75°	21.7	21.9	22.2	22.4	22.7	22.9	23.1	23.3	23.5	23.7	23.9
-75°	20.4	20.6	20.8	21.1	21.3	21.5	21.7	21.9	22.1	22.2	22.4
-76.25°	19.1	19.3	19.5	19.7	19.9	20.1	20.3	20.5	20.6	20.8	20.9
-77.5°	17.9	18.1	18.2	18.4	18.6	18.8	18.9	19.1	19.2	19.4	19.5



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	16.3	16.5	16.8	17.0	17.2	17.4	17.5	17.7	17.8	18.0	18.1
-80°	14.7	14.9	15.1	15.3	15.4	15.6	15.8	15.9	16.1	16.2	16.4
-81.25°	12.9	13.2	13.4	13.5	13.7	13.9	14.0	14.1	14.3	14.4	14.5
-82.5°	11.0	11.2	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.4	12.5
-83.75°	9.0	9.2	9.3	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
-85°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
-86.25°	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9
-87.5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
-88.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
-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: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
87.5°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
86.25°	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3
85°	8.1	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7
83.75°	10.4	10.5	10.6	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1
82.5°	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.3	13.4	13.4
81.25°	14.6	14.7	14.9	14.9	15.0	15.1	15.2	15.3	15.3	15.4	15.4
80°	16.5	16.6	16.7	16.9	17.0	17.0	17.1	17.2	17.3	17.4	17.4
78.75°	18.2	18.3	18.4	18.5	18.6	18.7	18.7	18.8	18.9	18.9	19.0
77.5°	19.6	19.8	19.9	20.0	20.1	20.2	20.2	20.3	20.4	20.5	20.5
76.25°	21.1	21.2	21.3	21.5	21.6	21.7	21.8	21.9	22.0	22.0	22.1
75°	22.6	22.7	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7
73.75°	24.1	24.2	24.4	24.5	24.6	24.8	24.9	25.0	25.1	25.2	25.3
72.5°	25.5	25.7	25.9	26.0	26.2	26.3	26.4	26.6	26.7	26.7	26.8
71.25°	27.0	27.3	27.7	28.0	28.3	28.6	28.9	29.1	29.3	29.5	29.7
70°	29.9	30.3	30.7	31.0	31.4	31.7	32.0	32.2	32.5	32.7	32.9
68.75°	32.8	33.3	33.7	34.0	34.3	34.6	34.9	35.1	35.3	35.5	35.7
67.5°	35.5	35.9	36.3	36.6	37.0	37.3	37.6	37.8	38.1	38.3	38.5
66.25°	38.1	38.5	38.9	39.4	39.8	40.2	40.6	41.0	41.3	41.6	41.9
65°	41.1	41.7	42.2	42.8	43.2	43.7	44.1	44.5	44.8	45.1	45.4
63.75°	44.4	45.0	45.6	46.2	46.6	47.0	47.3	47.6	47.9	48.1	48.4
62.5°	47.4	47.9	48.4	48.8	49.2	49.6	50.0	50.3	50.6	50.9	51.1
61.25°	50.0	50.5	51.0	51.5	51.9	52.3	52.6	52.9	53.1	53.4	53.6
60°	52.4	52.9	53.4	53.8	54.2	54.5	54.9	55.2	55.5	55.7	56.0
58.75°	54.6	55.1	55.6	56.0	56.5	56.8	57.0	57.2	57.4	57.6	57.8
57.5°	56.8	57.1	57.4	57.8	58.0	58.3	58.6	58.8	59.0	59.2	59.4
56.25°	58.2	58.6	58.9	59.3	59.6	59.8	60.1	60.4	60.7	60.9	61.2
55°	59.7	60.1	60.5	60.9	61.3	61.7	62.0	62.3	62.6	62.9	63.1
53.75°	61.4	61.9	62.3	62.8	63.2	63.5	63.9	64.1	64.4	64.6	64.8
52.5°	63.1	63.6	64.1	64.4	64.8	65.1	65.4	65.7	65.9	66.1	66.3
51.25°	64.7	65.1	65.5	65.9	66.3	66.6	66.9	67.2	67.5	67.7	67.9
50°	66.1	66.6	67.0	67.4	67.8	68.1	68.5	68.8	69.0	69.3	69.5
48.75°	67.5	68.0	68.5	68.9	69.3	69.6	70.0	70.4	70.9	71.5	71.9
47.5°	69.0	69.4	69.9	70.5	71.3	72.1	72.8	73.4	74.0	74.6	75.0
46.25°	70.5	71.5	72.5	73.4	74.3	75.1	75.8	76.5	78.1	79.7	81.1
45°	73.3	74.4	75.4	76.4	78.5	80.9	83.1	85.1	87.0	88.6	90.1
43.75°	76.1	78.4	81.5	84.3	87.0	89.5	91.8	93.9	96.4	99.4	102.1
42.5°	83.3	86.6	89.7	92.6	95.7	100.2	104.4	108.2	111.7	114.9	117.7
41.25°	91.2	94.6	100.0	105.3	110.4	115.0	119.4	123.4	127.0	130.5	133.5
40°	102.1	108.3	114.2	119.7	124.9	129.9	134.7	139.1	143.1	146.6	149.8
38.75°	115.7	122.1	128.3	134.3	140.0	145.4	150.3	154.9	159.0	163.5	167.8
37.5°	129.3	136.3	143.0	149.3	155.2	160.8	167.5	173.6	179.2	184.2	188.7
36.25°	143.4	150.6	157.5	165.1	173.1	180.5	187.4	193.8	199.6	204.9	209.5
35°	157.3	166.1	175.3	184.1	192.3	200.1	207.3	213.9	220.0	225.5	230.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	174.2	184.2	193.8	202.9	211.5	219.5	227.1	234.0	240.3	246.1	252.8
32.5°	191.7	202.2	212.1	221.6	230.5	238.9	246.8	256.5	265.5	273.6	280.8
31.25°	209.1	219.9	230.2	240.1	250.3	262.2	273.2	283.4	292.8	301.3	309.4
30°	226.2	237.4	248.7	262.6	275.6	288.0	299.5	310.9	322.2	332.4	341.5
28.75°	243.1	257.6	272.7	287.1	300.7	314.8	328.7	341.5	353.2	363.9	373.7
27.5°	264.4	280.7	296.4	312.3	328.6	344.0	358.4	371.8	386.0	399.0	415.1
26.25°	286.5	303.4	321.9	339.7	356.7	372.9	390.4	408.8	432.6	455.7	489.4
25°	308.6	328.8	348.2	366.8	386.5	407.7	436.8	472.3	515.8	560.7	607.4
23.75°	333.0	353.9	374.4	396.9	427.3	464.9	517.8	576.2	636.2	695.9	751.3
22.5°	356.8	379.5	404.3	441.5	495.2	558.7	631.5	705.6	776.6	845.3	907.4
21.25°	381.3	409.9	450.1	515.6	593.0	676.4	762.3	846.7	925.5	994.7	1056.1
20°	409.9	453.3	525.9	613.8	708.5	804.9	900.5	986.7	1064.4	1131.1	1185.0
18.75°	450.1	525.9	620.8	724.7	831.4	935.8	1031.2	1114.5	1184.7	1239.4	1276.5
17.5°	515.6	613.8	724.7	840.3	953.3	1057.1	1148.4	1218.7	1271.6	1308.3	1337.7
16.25°	593.0	708.5	831.4	953.3	1065.4	1165.0	1239.3	1289.6	1329.0	1362.6	1394.7
15°	676.4	804.9	935.8	1057.1	1165.0	1246.3	1298.8	1341.3	1380.4	1417.7	1451.8
13.75°	762.3	900.5	1031.2	1148.4	1239.3	1298.8	1345.4	1389.4	1431.7	1471.3	1507.8
12.5°	846.7	986.7	1114.5	1218.7	1289.6	1341.3	1389.4	1436.5	1481.2	1523.2	1560.4
11.25°	925.5	1064.4	1184.7	1271.6	1329.0	1380.4	1431.7	1481.2	1528.2	1570.9	1617.0
10°	994.7	1131.1	1239.4	1308.3	1362.6	1417.7	1471.3	1523.2	1570.9	1623.5	1675.2
8.75°	1056.1	1185.0	1276.5	1337.7	1394.7	1451.8	1507.8	1560.4	1617.0	1675.2	1731.6
7.5°	1106.5	1226.5	1304.4	1363.5	1423.4	1482.5	1539.8	1597.8	1660.8	1723.7	1781.8
6.25°	1149.9	1259.5	1326.4	1386.8	1448.4	1509.4	1567.4	1632.6	1700.4	1766.3	1824.4
5°	1180.8	1278.4	1343.9	1406.4	1469.3	1531.5	1593.9	1663.6	1734.8	1801.1	1859.2
3.75°	1202.9	1293.3	1357.7	1421.9	1486.0	1548.7	1615.6	1688.5	1762.0	1827.8	1884.4
2.5°	1218.8	1304.1	1367.8	1433.0	1498.1	1561.2	1631.5	1707.1	1780.9	1846.9	1903.0
1.25°	1228.4	1310.6	1374.2	1439.8	1505.5	1568.8	1641.6	1718.4	1792.5	1858.7	1913.7
0°	1231.7	1312.8	1376.3	1442.1	1507.9	1571.4	1645.1	1722.3	1796.5	1862.7	1917.2
-1.25°	1228.4	1310.6	1374.2	1439.8	1505.5	1568.8	1641.6	1718.4	1792.5	1858.7	1913.7
-2.5°	1218.8	1304.1	1367.8	1433.0	1498.1	1561.2	1631.5	1707.1	1780.9	1846.9	1903.0
-3.75°	1202.9	1293.3	1357.7	1421.9	1486.0	1548.7	1615.6	1688.5	1762.0	1827.8	1884.4
-5°	1180.8	1278.4	1343.9	1406.4	1469.3	1531.5	1593.9	1663.6	1734.8	1801.1	1859.2
-6.25°	1149.9	1259.5	1326.4	1386.8	1448.4	1509.4	1567.4	1632.6	1700.4	1766.3	1824.4
-7.5°	1106.5	1226.5	1304.4	1363.5	1423.4	1482.5	1539.8	1597.8	1660.8	1723.7	1781.8
-8.75°	1056.1	1185.0	1276.5	1337.7	1394.7	1451.8	1507.8	1560.4	1617.0	1675.2	1731.6
-10°	994.7	1131.1	1239.4	1308.3	1362.6	1417.7	1471.3	1523.2	1570.9	1623.5	1675.2
-11.25°	925.5	1064.4	1184.7	1271.6	1329.0	1380.4	1431.7	1481.2	1528.2	1570.9	1617.0
-12.5°	846.7	986.7	1114.5	1218.7	1289.6	1341.3	1389.4	1436.5	1481.2	1523.2	1560.4
-13.75°	762.3	900.5	1031.2	1148.4	1239.3	1298.8	1345.4	1389.4	1431.7	1471.3	1507.8
-15°	676.4	804.9	935.8	1057.1	1165.0	1246.3	1298.8	1341.3	1380.4	1417.7	1451.8
-16.25°	593.0	708.5	831.4	953.3	1065.4	1165.0	1239.3	1289.6	1329.0	1362.6	1394.7
-17.5°	515.6	613.8	724.7	840.3	953.3	1057.1	1148.4	1218.7	1271.6	1308.3	1337.7
-18.75°	450.1	525.9	620.8	724.7	831.4	935.8	1031.2	1114.5	1184.7	1239.4	1276.5
-20°	409.9	453.3	525.9	613.8	708.5	804.9	900.5	986.7	1064.4	1131.1	1185.0
-21.25°	381.3	409.9	450.1	515.6	593.0	676.4	762.3	846.7	925.5	994.7	1056.1



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	356.8	379.5	404.3	441.5	495.2	558.7	631.5	705.6	776.6	845.3	907.4
-23.75°	333.0	353.9	374.4	396.9	427.3	464.9	517.8	576.2	636.2	695.9	751.3
-25°	308.6	328.8	348.2	366.8	386.5	407.7	436.8	472.3	515.8	560.7	607.4
-26.25°	286.5	303.4	321.9	339.7	356.7	372.9	390.4	408.8	432.6	455.7	489.4
-27.5°	264.4	280.7	296.4	312.3	328.6	344.0	358.4	371.8	386.0	399.0	415.1
-28.75°	243.1	257.6	272.7	287.1	300.7	314.8	328.7	341.5	353.2	363.9	373.7
-30°	226.2	237.4	248.7	262.6	275.6	288.0	299.5	310.9	322.2	332.4	341.5
-31.25°	209.1	219.9	230.2	240.1	250.3	262.2	273.2	283.4	292.8	301.3	309.4
-32.5°	191.7	202.2	212.1	221.6	230.5	238.9	246.8	256.5	265.5	273.6	280.8
-33.75°	174.2	184.2	193.8	202.9	211.5	219.5	227.1	234.0	240.3	246.1	252.8
-35°	157.3	166.1	175.3	184.1	192.3	200.1	207.3	213.9	220.0	225.5	230.4
-36.25°	143.4	150.6	157.5	165.1	173.1	180.5	187.4	193.8	199.6	204.9	209.5
-37.5°	129.3	136.3	143.0	149.3	155.2	160.8	167.5	173.6	179.2	184.2	188.7
-38.75°	115.7	122.1	128.3	134.3	140.0	145.4	150.3	154.9	159.0	163.5	167.8
-40°	102.1	108.3	114.2	119.7	124.9	129.9	134.7	139.1	143.1	146.6	149.8
-41.25°	91.2	94.6	100.0	105.3	110.4	115.0	119.4	123.4	127.0	130.5	133.5
-42.5°	83.3	86.6	89.7	92.6	95.7	100.2	104.4	108.2	111.7	114.9	117.7
-43.75°	76.1	78.4	81.5	84.3	87.0	89.5	91.8	93.9	96.4	99.4	102.1
-45°	73.3	74.4	75.4	76.4	78.5	80.9	83.1	85.1	87.0	88.6	90.1
-46.25°	70.5	71.5	72.5	73.4	74.3	75.1	75.8	76.5	78.1	79.7	81.1
-47.5°	69.0	69.4	69.9	70.5	71.3	72.1	72.8	73.4	74.0	74.6	75.0
-48.75°	67.5	68.0	68.5	68.9	69.3	69.6	70.0	70.4	70.9	71.5	71.9
-50°	66.1	66.6	67.0	67.4	67.8	68.1	68.5	68.8	69.0	69.3	69.5
-51.25°	64.7	65.1	65.5	65.9	66.3	66.6	66.9	67.2	67.5	67.7	67.9
-52.5°	63.1	63.6	64.1	64.4	64.8	65.1	65.4	65.7	65.9	66.1	66.3
-53.75°	61.4	61.9	62.3	62.8	63.2	63.5	63.9	64.1	64.4	64.6	64.8
-55°	59.7	60.1	60.5	60.9	61.3	61.7	62.0	62.3	62.6	62.9	63.1
-56.25°	58.2	58.6	58.9	59.3	59.6	59.8	60.1	60.4	60.7	60.9	61.2
-57.5°	56.8	57.1	57.4	57.8	58.0	58.3	58.6	58.8	59.0	59.2	59.4
-58.75°	54.6	55.1	55.6	56.0	56.5	56.8	57.0	57.2	57.4	57.6	57.8
-60°	52.4	52.9	53.4	53.8	54.2	54.5	54.9	55.2	55.5	55.7	56.0
-61.25°	50.0	50.5	51.0	51.5	51.9	52.3	52.6	52.9	53.1	53.4	53.6
-62.5°	47.4	47.9	48.4	48.8	49.2	49.6	50.0	50.3	50.6	50.9	51.1
-63.75°	44.4	45.0	45.6	46.2	46.6	47.0	47.3	47.6	47.9	48.1	48.4
-65°	41.1	41.7	42.2	42.8	43.2	43.7	44.1	44.5	44.8	45.1	45.4
-66.25°	38.1	38.5	38.9	39.4	39.8	40.2	40.6	41.0	41.3	41.6	41.9
-67.5°	35.5	35.9	36.3	36.6	37.0	37.3	37.6	37.8	38.1	38.3	38.5
-68.75°	32.8	33.3	33.7	34.0	34.3	34.6	34.9	35.1	35.3	35.5	35.7
-70°	29.9	30.3	30.7	31.0	31.4	31.7	32.0	32.2	32.5	32.7	32.9
-71.25°	27.0	27.3	27.7	28.0	28.3	28.6	28.9	29.1	29.3	29.5	29.7
-72.5°	25.5	25.7	25.9	26.0	26.2	26.3	26.4	26.6	26.7	26.7	26.8
-73.75°	24.1	24.2	24.4	24.5	24.6	24.8	24.9	25.0	25.1	25.2	25.3
-75°	22.6	22.7	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7
-76.25°	21.1	21.2	21.3	21.5	21.6	21.7	21.8	21.9	22.0	22.0	22.1
-77.5°	19.6	19.8	19.9	20.0	20.1	20.2	20.2	20.3	20.4	20.5	20.5



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	18.2	18.3	18.4	18.5	18.6	18.7	18.7	18.8	18.9	18.9	19.0
-80°	16.5	16.6	16.7	16.9	17.0	17.0	17.1	17.2	17.3	17.4	17.4
-81.25°	14.6	14.7	14.9	14.9	15.0	15.1	15.2	15.3	15.3	15.4	15.4
-82.5°	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.3	13.4	13.4
-83.75°	10.4	10.5	10.6	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1
-85°	8.1	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7
-86.25°	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3
-87.5°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
-88.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
86.25°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
85°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
83.75°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
82.5°	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5
81.25°	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.5
80°	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.5
78.75°	19.0	19.1	19.1	19.1	19.1	19.1	19.2	19.1	19.1	19.1	19.1
77.5°	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.6
76.25°	22.1	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.2
75°	23.7	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.8
73.75°	25.3	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.4
72.5°	26.9	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.0
71.25°	29.9	30.0	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.2	30.1
70°	33.0	33.2	33.3	33.4	33.4	33.5	33.5	33.5	33.4	33.4	33.3
68.75°	35.9	36.0	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.2	36.1
67.5°	38.6	38.8	38.9	39.0	39.0	39.1	39.1	39.1	39.0	39.0	38.9
66.25°	42.1	42.3	42.4	42.5	42.6	42.7	42.7	42.7	42.6	42.5	42.4
65°	45.6	45.8	46.0	46.1	46.2	46.3	46.3	46.3	46.2	46.1	46.0
63.75°	48.6	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.0	49.0	48.9
62.5°	51.3	51.5	51.6	51.8	51.8	51.9	51.9	51.9	51.8	51.8	51.6
61.25°	53.8	53.9	54.1	54.2	54.2	54.3	54.3	54.3	54.2	54.2	54.1
60°	56.2	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.6	56.6	56.5
58.75°	57.9	58.0	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.2	58.1
57.5°	59.5	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.8	59.7
56.25°	61.3	61.5	61.6	61.7	61.8	61.8	61.9	61.8	61.8	61.7	61.6
55°	63.3	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.7	63.7	63.6
53.75°	64.9	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.3	65.3	65.2
52.5°	66.5	66.7	66.8	66.9	66.9	67.0	67.0	67.0	66.9	66.9	66.8
51.25°	68.1	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.5	68.5	68.4
50°	69.7	69.8	70.0	70.1	70.1	70.2	70.2	70.2	70.1	70.1	70.0
48.75°	72.3	72.6	72.9	73.1	73.3	73.4	73.4	73.4	73.3	73.1	72.9
47.5°	75.5	75.8	76.1	76.3	76.5	76.6	76.6	76.6	76.5	76.3	76.1
46.25°	82.4	83.4	84.3	84.9	85.4	85.7	85.8	85.7	85.4	84.9	84.3
45°	91.4	92.5	93.4	94.1	94.6	94.9	95.0	94.9	94.6	94.1	93.4
43.75°	104.4	106.4	108.0	109.3	110.2	110.8	111.0	110.8	110.2	109.3	108.0
42.5°	120.1	122.2	123.9	125.2	126.1	126.7	126.9	126.7	126.1	125.2	123.9
41.25°	136.2	138.5	140.3	141.8	142.8	143.4	143.7	143.4	142.8	141.8	140.3
40°	152.6	155.0	156.9	158.4	159.5	160.2	160.4	160.2	159.5	158.4	156.9
38.75°	171.5	174.7	177.3	179.3	180.8	181.7	182.0	181.7	180.8	179.3	177.3
37.5°	192.6	195.9	198.6	200.7	202.3	203.2	203.5	203.2	202.3	200.7	198.6
36.25°	213.6	217.1	219.9	222.2	223.8	224.7	225.1	224.7	223.8	222.2	219.9
35°	234.6	238.3	241.3	243.6	245.3	246.3	246.6	246.3	245.3	243.6	241.3



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	258.8	263.9	268.2	271.5	273.8	275.3	275.8	275.3	273.8	271.5	268.2
32.5°	287.1	292.5	297.0	300.4	302.9	304.4	304.9	304.4	302.9	300.4	297.0
31.25°	317.0	323.5	328.8	333.0	336.0	337.8	338.4	337.8	336.0	333.0	328.8
30°	349.4	356.2	361.8	366.2	369.4	371.3	371.9	371.3	369.4	366.2	361.8
28.75°	383.4	391.7	398.5	404.3	410.5	414.1	415.4	414.1	410.5	404.3	398.5
27.5°	431.4	445.2	459.7	475.4	486.6	493.3	495.6	493.3	486.6	475.4	459.7
26.25°	519.1	546.4	574.0	595.6	611.2	620.5	623.7	620.5	611.2	595.6	574.0
25°	648.5	687.7	720.5	746.3	764.8	776.0	779.7	776.0	764.8	746.3	720.5
23.75°	801.3	845.9	882.7	911.7	931.7	943.7	947.7	943.7	931.7	911.7	882.7
22.5°	960.0	1004.8	1042.0	1069.0	1088.2	1099.9	1103.8	1099.9	1088.2	1069.0	1042.0
21.25°	1106.5	1149.9	1180.8	1202.9	1218.8	1228.4	1231.7	1228.4	1218.8	1202.9	1180.8
20°	1226.5	1259.5	1278.4	1293.3	1304.1	1310.6	1312.8	1310.6	1304.1	1293.3	1278.4
18.75°	1304.4	1326.4	1343.9	1357.7	1367.8	1374.2	1376.3	1374.2	1367.8	1357.7	1343.9
17.5°	1363.5	1386.8	1406.4	1421.9	1433.0	1439.8	1442.1	1439.8	1433.0	1421.9	1406.4
16.25°	1423.4	1448.4	1469.3	1486.0	1498.1	1505.5	1507.9	1505.5	1498.1	1486.0	1469.3
15°	1482.5	1509.4	1531.5	1548.7	1561.2	1568.8	1571.4	1568.8	1561.2	1548.7	1531.5
13.75°	1539.8	1567.4	1593.9	1615.6	1631.5	1641.6	1645.1	1641.6	1631.5	1615.6	1593.9
12.5°	1597.8	1632.6	1663.6	1688.5	1707.1	1718.4	1722.3	1718.4	1707.1	1688.5	1663.6
11.25°	1660.8	1700.4	1734.8	1762.0	1780.9	1792.5	1796.5	1792.5	1780.9	1762.0	1734.8
10°	1723.7	1766.3	1801.1	1827.8	1846.9	1858.7	1862.7	1858.7	1846.9	1827.8	1801.1
8.75°	1781.8	1824.4	1859.2	1884.4	1903.0	1913.7	1917.2	1913.7	1903.0	1884.4	1859.2
7.5°	1832.0	1873.8	1907.1	1931.6	1949.4	1958.5	1961.7	1958.5	1949.4	1931.6	1907.1
6.25°	1873.8	1914.0	1946.6	1968.2	1982.4	1989.8	1992.4	1989.8	1982.4	1968.2	1946.6
5°	1907.1	1946.6	1974.8	1992.5	2001.8	2006.3	2007.9	2006.3	2001.8	1992.5	1974.8
3.75°	1931.6	1968.2	1992.5	2004.8	2010.3	2012.7	2012.7	2012.7	2010.3	2004.8	1992.5
2.5°	1949.4	1982.4	2001.8	2010.3	2012.7	2012.0	2011.1	2012.0	2012.7	2010.3	2001.8
1.25°	1958.5	1989.8	2006.3	2012.7	2012.0	2009.9	2010.7	2009.9	2012.0	2012.7	2006.3
0°	1961.7	1992.4	2007.9	2012.7	2011.1	2010.7	2016.7	2010.7	2011.1	2012.7	2007.9
-1.25°	1958.5	1989.8	2006.3	2012.7	2012.0	2009.9	2010.7	2009.9	2012.0	2012.7	2006.3
-2.5°	1949.4	1982.4	2001.8	2010.3	2012.7	2012.0	2011.1	2012.0	2012.7	2010.3	2001.8
-3.75°	1931.6	1968.2	1992.5	2004.8	2010.3	2012.7	2012.7	2012.7	2010.3	2004.8	1992.5
-5°	1907.1	1946.6	1974.8	1992.5	2001.8	2006.3	2007.9	2006.3	2001.8	1992.5	1974.8
-6.25°	1873.8	1914.0	1946.6	1968.2	1982.4	1989.8	1992.4	1989.8	1982.4	1968.2	1946.6
-7.5°	1832.0	1873.8	1907.1	1931.6	1949.4	1958.5	1961.7	1958.5	1949.4	1931.6	1907.1
-8.75°	1781.8	1824.4	1859.2	1884.4	1903.0	1913.7	1917.2	1913.7	1903.0	1884.4	1859.2
-10°	1723.7	1766.3	1801.1	1827.8	1846.9	1858.7	1862.7	1858.7	1846.9	1827.8	1801.1
-11.25°	1660.8	1700.4	1734.8	1762.0	1780.9	1792.5	1796.5	1792.5	1780.9	1762.0	1734.8
-12.5°	1597.8	1632.6	1663.6	1688.5	1707.1	1718.4	1722.3	1718.4	1707.1	1688.5	1663.6
-13.75°	1539.8	1567.4	1593.9	1615.6	1631.5	1641.6	1645.1	1641.6	1631.5	1615.6	1593.9
-15°	1482.5	1509.4	1531.5	1548.7	1561.2	1568.8	1571.4	1568.8	1561.2	1548.7	1531.5
-16.25°	1423.4	1448.4	1469.3	1486.0	1498.1	1505.5	1507.9	1505.5	1498.1	1486.0	1469.3
-17.5°	1363.5	1386.8	1406.4	1421.9	1433.0	1439.8	1442.1	1439.8	1433.0	1421.9	1406.4
-18.75°	1304.4	1326.4	1343.9	1357.7	1367.8	1374.2	1376.3	1374.2	1367.8	1357.7	1343.9
-20°	1226.5	1259.5	1278.4	1293.3	1304.1	1310.6	1312.8	1310.6	1304.1	1293.3	1278.4
-21.25°	1106.5	1149.9	1180.8	1202.9	1218.8	1228.4	1231.7	1228.4	1218.8	1202.9	1180.8



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	960.0	1004.8	1042.0	1069.0	1088.2	1099.9	1103.8	1099.9	1088.2	1069.0	1042.0
-23.75°	801.3	845.9	882.7	911.7	931.7	943.7	947.7	943.7	931.7	911.7	882.7
-25°	648.5	687.7	720.5	746.3	764.8	776.0	779.7	776.0	764.8	746.3	720.5
-26.25°	519.1	546.4	574.0	595.6	611.2	620.5	623.7	620.5	611.2	595.6	574.0
-27.5°	431.4	445.2	459.7	475.4	486.6	493.3	495.6	493.3	486.6	475.4	459.7
-28.75°	383.4	391.7	398.5	404.3	410.5	414.1	415.4	414.1	410.5	404.3	398.5
-30°	349.4	356.2	361.8	366.2	369.4	371.3	371.9	371.3	369.4	366.2	361.8
-31.25°	317.0	323.5	328.8	333.0	336.0	337.8	338.4	337.8	336.0	333.0	328.8
-32.5°	287.1	292.5	297.0	300.4	302.9	304.4	304.9	304.4	302.9	300.4	297.0
-33.75°	258.8	263.9	268.2	271.5	273.8	275.3	275.8	275.3	273.8	271.5	268.2
-35°	234.6	238.3	241.3	243.6	245.3	246.3	246.6	246.3	245.3	243.6	241.3
-36.25°	213.6	217.1	219.9	222.2	223.8	224.7	225.1	224.7	223.8	222.2	219.9
-37.5°	192.6	195.9	198.6	200.7	202.3	203.2	203.5	203.2	202.3	200.7	198.6
-38.75°	171.5	174.7	177.3	179.3	180.8	181.7	182.0	181.7	180.8	179.3	177.3
-40°	152.6	155.0	156.9	158.4	159.5	160.2	160.4	160.2	159.5	158.4	156.9
-41.25°	136.2	138.5	140.3	141.8	142.8	143.4	143.7	143.4	142.8	141.8	140.3
-42.5°	120.1	122.2	123.9	125.2	126.1	126.7	126.9	126.7	126.1	125.2	123.9
-43.75°	104.4	106.4	108.0	109.3	110.2	110.8	111.0	110.8	110.2	109.3	108.0
-45°	91.4	92.5	93.4	94.1	94.6	94.9	95.0	94.9	94.6	94.1	93.4
-46.25°	82.4	83.4	84.3	84.9	85.4	85.7	85.8	85.7	85.4	84.9	84.3
-47.5°	75.5	75.8	76.1	76.3	76.5	76.6	76.6	76.6	76.5	76.3	76.1
-48.75°	72.3	72.6	72.9	73.1	73.3	73.4	73.4	73.4	73.3	73.1	72.9
-50°	69.7	69.8	70.0	70.1	70.1	70.2	70.2	70.2	70.1	70.1	70.0
-51.25°	68.1	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.5	68.5	68.4
-52.5°	66.5	66.7	66.8	66.9	66.9	67.0	67.0	67.0	66.9	66.9	66.8
-53.75°	64.9	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.3	65.3	65.2
-55°	63.3	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.7	63.7	63.6
-56.25°	61.3	61.5	61.6	61.7	61.8	61.8	61.9	61.8	61.8	61.7	61.6
-57.5°	59.5	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.8	59.7
-58.75°	57.9	58.0	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.2	58.1
-60°	56.2	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.6	56.6	56.5
-61.25°	53.8	53.9	54.1	54.2	54.2	54.3	54.3	54.3	54.2	54.2	54.1
-62.5°	51.3	51.5	51.6	51.8	51.8	51.9	51.9	51.9	51.8	51.8	51.6
-63.75°	48.6	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.0	49.0	48.9
-65°	45.6	45.8	46.0	46.1	46.2	46.3	46.3	46.3	46.2	46.1	46.0
-66.25°	42.1	42.3	42.4	42.5	42.6	42.7	42.7	42.7	42.6	42.5	42.4
-67.5°	38.6	38.8	38.9	39.0	39.0	39.1	39.1	39.1	39.0	39.0	38.9
-68.75°	35.9	36.0	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.2	36.1
-70°	33.0	33.2	33.3	33.4	33.4	33.5	33.5	33.5	33.4	33.4	33.3
-71.25°	29.9	30.0	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.2	30.1
-72.5°	26.9	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.0
-73.75°	25.3	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.4
-75°	23.7	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.8
-76.25°	22.1	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.2
-77.5°	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.6



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	19.0	19.1	19.1	19.1	19.1	19.1	19.2	19.1	19.1	19.1	19.1
-80°	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.5
-81.25°	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.5
-82.5°	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5
-83.75°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
-85°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-86.25°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-88.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
87.5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
86.25°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.0
85°	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3
83.75°	11.1	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.6
82.5°	13.5	13.5	13.4	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.8
81.25°	15.5	15.5	15.4	15.4	15.3	15.3	15.2	15.1	15.0	14.9	14.9
80°	17.5	17.5	17.4	17.4	17.3	17.2	17.1	17.0	17.0	16.9	16.7
78.75°	19.1	19.0	19.0	18.9	18.9	18.8	18.7	18.7	18.6	18.5	18.4
77.5°	20.6	20.6	20.5	20.5	20.4	20.3	20.2	20.2	20.1	20.0	19.9
76.25°	22.2	22.1	22.1	22.0	22.0	21.9	21.8	21.7	21.6	21.5	21.3
75°	23.8	23.7	23.7	23.6	23.5	23.4	23.3	23.2	23.1	23.0	22.9
73.75°	25.4	25.3	25.3	25.2	25.1	25.0	24.9	24.8	24.6	24.5	24.4
72.5°	27.0	26.9	26.8	26.7	26.7	26.6	26.4	26.3	26.2	26.0	25.9
71.25°	30.0	29.9	29.7	29.5	29.3	29.1	28.9	28.6	28.3	28.0	27.7
70°	33.2	33.0	32.9	32.7	32.5	32.2	32.0	31.7	31.4	31.0	30.7
68.75°	36.0	35.9	35.7	35.5	35.3	35.1	34.9	34.6	34.3	34.0	33.7
67.5°	38.8	38.6	38.5	38.3	38.1	37.8	37.6	37.3	37.0	36.6	36.3
66.25°	42.3	42.1	41.9	41.6	41.3	41.0	40.6	40.2	39.8	39.4	38.9
65°	45.8	45.6	45.4	45.1	44.8	44.5	44.1	43.7	43.2	42.8	42.2
63.75°	48.7	48.6	48.4	48.1	47.9	47.6	47.3	47.0	46.6	46.2	45.6
62.5°	51.5	51.3	51.1	50.9	50.6	50.3	50.0	49.6	49.2	48.8	48.4
61.25°	53.9	53.8	53.6	53.4	53.1	52.9	52.6	52.3	51.9	51.5	51.0
60°	56.3	56.2	56.0	55.7	55.5	55.2	54.9	54.5	54.2	53.8	53.4
58.75°	58.0	57.9	57.8	57.6	57.4	57.2	57.0	56.8	56.5	56.0	55.6
57.5°	59.6	59.5	59.4	59.2	59.0	58.8	58.6	58.3	58.0	57.8	57.4
56.25°	61.5	61.3	61.2	60.9	60.7	60.4	60.1	59.8	59.6	59.3	58.9
55°	63.4	63.3	63.1	62.9	62.6	62.3	62.0	61.7	61.3	60.9	60.5
53.75°	65.1	64.9	64.8	64.6	64.4	64.1	63.9	63.5	63.2	62.8	62.3
52.5°	66.7	66.5	66.3	66.1	65.9	65.7	65.4	65.1	64.8	64.4	64.1
51.25°	68.3	68.1	67.9	67.7	67.5	67.2	66.9	66.6	66.3	65.9	65.5
50°	69.8	69.7	69.5	69.3	69.0	68.8	68.5	68.1	67.8	67.4	67.0
48.75°	72.6	72.3	71.9	71.5	70.9	70.4	70.0	69.6	69.3	68.9	68.5
47.5°	75.8	75.5	75.0	74.6	74.0	73.4	72.8	72.1	71.3	70.5	69.9
46.25°	83.4	82.4	81.1	79.7	78.1	76.5	75.8	75.1	74.3	73.4	72.5
45°	92.5	91.4	90.1	88.6	87.0	85.1	83.1	80.9	78.5	76.4	75.4
43.75°	106.4	104.4	102.1	99.4	96.4	93.9	91.8	89.5	87.0	84.3	81.5
42.5°	122.2	120.1	117.7	114.9	111.7	108.2	104.4	100.2	95.7	92.6	89.7
41.25°	138.5	136.2	133.5	130.5	127.0	123.4	119.4	115.0	110.4	105.3	100.0
40°	155.0	152.6	149.8	146.6	143.1	139.1	134.7	129.9	124.9	119.7	114.2
38.75°	174.7	171.5	167.8	163.5	159.0	154.9	150.3	145.4	140.0	134.3	128.3
37.5°	195.9	192.6	188.7	184.2	179.2	173.6	167.5	160.8	155.2	149.3	143.0
36.25°	217.1	213.6	209.5	204.9	199.6	193.8	187.4	180.5	173.1	165.1	157.5
35°	238.3	234.6	230.4	225.5	220.0	213.9	207.3	200.1	192.3	184.1	175.3

REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	263.9	258.8	252.8	246.1	240.3	234.0	227.1	219.5	211.5	202.9	193.8
32.5°	292.5	287.1	280.8	273.6	265.5	256.5	246.8	238.9	230.5	221.6	212.1
31.25°	323.5	317.0	309.4	301.3	292.8	283.4	273.2	262.2	250.3	240.1	230.2
30°	356.2	349.4	341.5	332.4	322.2	310.9	299.5	288.0	275.6	262.6	248.7
28.75°	391.7	383.4	373.7	363.9	353.2	341.5	328.7	314.8	300.7	287.1	272.7
27.5°	445.2	431.4	415.1	399.0	386.0	371.8	358.4	344.0	328.6	312.3	296.4
26.25°	546.4	519.1	489.4	455.7	432.6	408.8	390.4	372.9	356.7	339.7	321.9
25°	687.7	648.5	607.4	560.7	515.8	472.3	436.8	407.7	386.5	366.8	348.2
23.75°	845.9	801.3	751.3	695.9	636.2	576.2	517.8	464.9	427.3	396.9	374.4
22.5°	1004.8	960.0	907.4	845.3	776.6	705.6	631.5	558.7	495.2	441.5	404.3
21.25°	1149.9	1106.5	1056.1	994.7	925.5	846.7	762.3	676.4	593.0	515.6	450.1
20°	1259.5	1226.5	1185.0	1131.1	1064.4	986.7	900.5	804.9	708.5	613.8	525.9
18.75°	1326.4	1304.4	1276.5	1239.4	1184.7	1114.5	1031.2	935.8	831.4	724.7	620.8
17.5°	1386.8	1363.5	1337.7	1308.3	1271.6	1218.7	1148.4	1057.1	953.3	840.3	724.7
16.25°	1448.4	1423.4	1394.7	1362.6	1329.0	1289.6	1239.3	1165.0	1065.4	953.3	831.4
15°	1509.4	1482.5	1451.8	1417.7	1380.4	1341.3	1298.8	1246.3	1165.0	1057.1	935.8
13.75°	1567.4	1539.8	1507.8	1471.3	1431.7	1389.4	1345.4	1298.8	1239.3	1148.4	1031.2
12.5°	1632.6	1597.8	1560.4	1523.2	1481.2	1436.5	1389.4	1341.3	1289.6	1218.7	1114.5
11.25°	1700.4	1660.8	1617.0	1570.9	1528.2	1481.2	1431.7	1380.4	1329.0	1271.6	1184.7
10°	1766.3	1723.7	1675.2	1623.5	1570.9	1523.2	1471.3	1417.7	1362.6	1308.3	1239.4
8.75°	1824.4	1781.8	1731.6	1675.2	1617.0	1560.4	1507.8	1451.8	1394.7	1337.7	1276.5
7.5°	1873.8	1832.0	1781.8	1723.7	1660.8	1597.8	1539.8	1482.5	1423.4	1363.5	1304.4
6.25°	1914.0	1873.8	1824.4	1766.3	1700.4	1632.6	1567.4	1509.4	1448.4	1386.8	1326.4
5°	1946.6	1907.1	1859.2	1801.1	1734.8	1663.6	1593.9	1531.5	1469.3	1406.4	1343.9
3.75°	1968.2	1931.6	1884.4	1827.8	1762.0	1688.5	1615.6	1548.7	1486.0	1421.9	1357.7
2.5°	1982.4	1949.4	1903.0	1846.9	1780.9	1707.1	1631.5	1561.2	1498.1	1433.0	1367.8
1.25°	1989.8	1958.5	1913.7	1858.7	1792.5	1718.4	1641.6	1568.8	1505.5	1439.8	1374.2
0°	1992.4	1961.7	1917.2	1862.7	1796.5	1722.3	1645.1	1571.4	1507.9	1442.1	1376.3
-1.25°	1989.8	1958.5	1913.7	1858.7	1792.5	1718.4	1641.6	1568.8	1505.5	1439.8	1374.2
-2.5°	1982.4	1949.4	1903.0	1846.9	1780.9	1707.1	1631.5	1561.2	1498.1	1433.0	1367.8
-3.75°	1968.2	1931.6	1884.4	1827.8	1762.0	1688.5	1615.6	1548.7	1486.0	1421.9	1357.7
-5°	1946.6	1907.1	1859.2	1801.1	1734.8	1663.6	1593.9	1531.5	1469.3	1406.4	1343.9
-6.25°	1914.0	1873.8	1824.4	1766.3	1700.4	1632.6	1567.4	1509.4	1448.4	1386.8	1326.4
-7.5°	1873.8	1832.0	1781.8	1723.7	1660.8	1597.8	1539.8	1482.5	1423.4	1363.5	1304.4
-8.75°	1824.4	1781.8	1731.6	1675.2	1617.0	1560.4	1507.8	1451.8	1394.7	1337.7	1276.5
-10°	1766.3	1723.7	1675.2	1623.5	1570.9	1523.2	1471.3	1417.7	1362.6	1308.3	1239.4
-11.25°	1700.4	1660.8	1617.0	1570.9	1528.2	1481.2	1431.7	1380.4	1329.0	1271.6	1184.7
-12.5°	1632.6	1597.8	1560.4	1523.2	1481.2	1436.5	1389.4	1341.3	1289.6	1218.7	1114.5
-13.75°	1567.4	1539.8	1507.8	1471.3	1431.7	1389.4	1345.4	1298.8	1239.3	1148.4	1031.2
-15°	1509.4	1482.5	1451.8	1417.7	1380.4	1341.3	1298.8	1246.3	1165.0	1057.1	935.8
-16.25°	1448.4	1423.4	1394.7	1362.6	1329.0	1289.6	1239.3	1165.0	1065.4	953.3	831.4
-17.5°	1386.8	1363.5	1337.7	1308.3	1271.6	1218.7	1148.4	1057.1	953.3	840.3	724.7
-18.75°	1326.4	1304.4	1276.5	1239.4	1184.7	1114.5	1031.2	935.8	831.4	724.7	620.8
-20°	1259.5	1226.5	1185.0	1131.1	1064.4	986.7	900.5	804.9	708.5	613.8	525.9
-21.25°	1149.9	1106.5	1056.1	994.7	925.5	846.7	762.3	676.4	593.0	515.6	450.1



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	1004.8	960.0	907.4	845.3	776.6	705.6	631.5	558.7	495.2	441.5	404.3
-23.75°	845.9	801.3	751.3	695.9	636.2	576.2	517.8	464.9	427.3	396.9	374.4
-25°	687.7	648.5	607.4	560.7	515.8	472.3	436.8	407.7	386.5	366.8	348.2
-26.25°	546.4	519.1	489.4	455.7	432.6	408.8	390.4	372.9	356.7	339.7	321.9
-27.5°	445.2	431.4	415.1	399.0	386.0	371.8	358.4	344.0	328.6	312.3	296.4
-28.75°	391.7	383.4	373.7	363.9	353.2	341.5	328.7	314.8	300.7	287.1	272.7
-30°	356.2	349.4	341.5	332.4	322.2	310.9	299.5	288.0	275.6	262.6	248.7
-31.25°	323.5	317.0	309.4	301.3	292.8	283.4	273.2	262.2	250.3	240.1	230.2
-32.5°	292.5	287.1	280.8	273.6	265.5	256.5	246.8	238.9	230.5	221.6	212.1
-33.75°	263.9	258.8	252.8	246.1	240.3	234.0	227.1	219.5	211.5	202.9	193.8
-35°	238.3	234.6	230.4	225.5	220.0	213.9	207.3	200.1	192.3	184.1	175.3
-36.25°	217.1	213.6	209.5	204.9	199.6	193.8	187.4	180.5	173.1	165.1	157.5
-37.5°	195.9	192.6	188.7	184.2	179.2	173.6	167.5	160.8	155.2	149.3	143.0
-38.75°	174.7	171.5	167.8	163.5	159.0	154.9	150.3	145.4	140.0	134.3	128.3
-40°	155.0	152.6	149.8	146.6	143.1	139.1	134.7	129.9	124.9	119.7	114.2
-41.25°	138.5	136.2	133.5	130.5	127.0	123.4	119.4	115.0	110.4	105.3	100.0
-42.5°	122.2	120.1	117.7	114.9	111.7	108.2	104.4	100.2	95.7	92.6	89.7
-43.75°	106.4	104.4	102.1	99.4	96.4	93.9	91.8	89.5	87.0	84.3	81.5
-45°	92.5	91.4	90.1	88.6	87.0	85.1	83.1	80.9	78.5	76.4	75.4
-46.25°	83.4	82.4	81.1	79.7	78.1	76.5	75.8	75.1	74.3	73.4	72.5
-47.5°	75.8	75.5	75.0	74.6	74.0	73.4	72.8	72.1	71.3	70.5	69.9
-48.75°	72.6	72.3	71.9	71.5	70.9	70.4	70.0	69.6	69.3	68.9	68.5
-50°	69.8	69.7	69.5	69.3	69.0	68.8	68.5	68.1	67.8	67.4	67.0
-51.25°	68.3	68.1	67.9	67.7	67.5	67.2	66.9	66.6	66.3	65.9	65.5
-52.5°	66.7	66.5	66.3	66.1	65.9	65.7	65.4	65.1	64.8	64.4	64.1
-53.75°	65.1	64.9	64.8	64.6	64.4	64.1	63.9	63.5	63.2	62.8	62.3
-55°	63.4	63.3	63.1	62.9	62.6	62.3	62.0	61.7	61.3	60.9	60.5
-56.25°	61.5	61.3	61.2	60.9	60.7	60.4	60.1	59.8	59.6	59.3	58.9
-57.5°	59.6	59.5	59.4	59.2	59.0	58.8	58.6	58.3	58.0	57.8	57.4
-58.75°	58.0	57.9	57.8	57.6	57.4	57.2	57.0	56.8	56.5	56.0	55.6
-60°	56.3	56.2	56.0	55.7	55.5	55.2	54.9	54.5	54.2	53.8	53.4
-61.25°	53.9	53.8	53.6	53.4	53.1	52.9	52.6	52.3	51.9	51.5	51.0
-62.5°	51.5	51.3	51.1	50.9	50.6	50.3	50.0	49.6	49.2	48.8	48.4
-63.75°	48.7	48.6	48.4	48.1	47.9	47.6	47.3	47.0	46.6	46.2	45.6
-65°	45.8	45.6	45.4	45.1	44.8	44.5	44.1	43.7	43.2	42.8	42.2
-66.25°	42.3	42.1	41.9	41.6	41.3	41.0	40.6	40.2	39.8	39.4	38.9
-67.5°	38.8	38.6	38.5	38.3	38.1	37.8	37.6	37.3	37.0	36.6	36.3
-68.75°	36.0	35.9	35.7	35.5	35.3	35.1	34.9	34.6	34.3	34.0	33.7
-70°	33.2	33.0	32.9	32.7	32.5	32.2	32.0	31.7	31.4	31.0	30.7
-71.25°	30.0	29.9	29.7	29.5	29.3	29.1	28.9	28.6	28.3	28.0	27.7
-72.5°	27.0	26.9	26.8	26.7	26.7	26.6	26.4	26.3	26.2	26.0	25.9
-73.75°	25.4	25.3	25.3	25.2	25.1	25.0	24.9	24.8	24.6	24.5	24.4
-75°	23.8	23.7	23.7	23.6	23.5	23.4	23.3	23.2	23.1	23.0	22.9
-76.25°	22.2	22.1	22.1	22.0	22.0	21.9	21.8	21.7	21.6	21.5	21.3
-77.5°	20.6	20.6	20.5	20.5	20.4	20.3	20.2	20.2	20.1	20.0	19.9



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	19.1	19.0	19.0	18.9	18.9	18.8	18.7	18.7	18.6	18.5	18.4
-80°	17.5	17.5	17.4	17.4	17.3	17.2	17.1	17.0	17.0	16.9	16.7
-81.25°	15.5	15.5	15.4	15.4	15.3	15.3	15.2	15.1	15.0	14.9	14.9
-82.5°	13.5	13.5	13.4	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.8
-83.75°	11.1	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.6
-85°	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3
-86.25°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.0
-87.5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
-88.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
-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: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
87.5°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
86.25°	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.4	5.3
85°	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3
83.75°	10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.5	9.3
82.5°	12.7	12.6	12.5	12.4	12.2	12.1	12.0	11.8	11.7	11.5	11.3
81.25°	14.7	14.6	14.5	14.4	14.3	14.1	14.0	13.9	13.7	13.5	13.4
80°	16.6	16.5	16.4	16.2	16.1	15.9	15.8	15.6	15.4	15.3	15.1
78.75°	18.3	18.2	18.1	18.0	17.8	17.7	17.5	17.4	17.2	17.0	16.8
77.5°	19.8	19.6	19.5	19.4	19.2	19.1	18.9	18.8	18.6	18.4	18.2
76.25°	21.2	21.1	20.9	20.8	20.6	20.5	20.3	20.1	19.9	19.7	19.5
75°	22.7	22.6	22.4	22.2	22.1	21.9	21.7	21.5	21.3	21.1	20.8
73.75°	24.2	24.1	23.9	23.7	23.5	23.3	23.1	22.9	22.7	22.4	22.2
72.5°	25.7	25.5	25.3	25.1	24.9	24.7	24.5	24.3	24.0	23.8	23.5
71.25°	27.3	27.0	26.8	26.6	26.4	26.1	25.9	25.7	25.4	25.1	24.8
70°	30.3	29.9	29.5	29.0	28.5	28.0	27.5	27.0	26.8	26.5	26.2
68.75°	33.3	32.8	32.4	31.9	31.4	30.9	30.3	29.7	29.1	28.5	27.9
67.5°	35.9	35.5	35.1	34.6	34.2	33.7	33.1	32.5	31.8	31.2	30.5
66.25°	38.5	38.1	37.6	37.2	36.7	36.1	35.6	35.0	34.4	33.8	33.1
65°	41.7	41.1	40.5	39.8	39.2	38.6	38.0	37.4	36.8	36.1	35.5
63.75°	45.0	44.4	43.8	43.1	42.4	41.6	40.8	40.0	39.2	38.5	37.8
62.5°	47.9	47.4	46.9	46.3	45.5	44.8	43.9	43.1	42.2	41.3	40.3
61.25°	50.5	50.0	49.4	48.8	48.2	47.5	46.9	46.1	45.2	44.2	43.2
60°	52.9	52.4	51.9	51.3	50.7	50.0	49.3	48.5	47.8	47.0	46.1
58.75°	55.1	54.6	54.1	53.5	52.9	52.3	51.7	50.9	50.1	49.3	48.4
57.5°	57.1	56.8	56.2	55.7	55.1	54.4	53.7	53.1	52.3	51.6	50.7
56.25°	58.6	58.2	57.8	57.4	57.0	56.5	55.8	55.1	54.3	53.5	52.7
55°	60.1	59.7	59.3	58.8	58.4	57.9	57.4	56.9	56.3	55.5	54.6
53.75°	61.9	61.4	60.9	60.3	59.8	59.3	58.8	58.3	57.7	57.2	56.5
52.5°	63.6	63.1	62.6	62.0	61.4	60.8	60.2	59.6	59.0	58.4	57.8
51.25°	65.1	64.7	64.2	63.7	63.1	62.5	61.8	61.1	60.4	59.7	59.1
50°	66.6	66.1	65.6	65.1	64.6	64.1	63.4	62.7	62.0	61.2	60.4
48.75°	68.0	67.5	67.0	66.5	66.0	65.4	64.8	64.2	63.5	62.7	61.9
47.5°	69.4	69.0	68.4	67.9	67.3	66.7	66.1	65.5	64.8	64.2	63.4
46.25°	71.5	70.5	69.8	69.3	68.7	68.1	67.4	66.8	66.1	65.4	64.7
45°	74.4	73.3	72.2	71.1	70.0	69.4	68.7	68.0	67.3	66.6	65.9
43.75°	78.4	76.1	75.0	73.8	72.5	71.2	70.0	69.3	68.6	67.8	67.0
42.5°	86.6	83.3	79.8	76.5	75.1	73.8	72.4	70.9	69.8	69.0	68.2
41.25°	94.6	91.2	87.6	83.9	79.9	76.3	74.9	73.4	71.8	70.2	69.4
40°	108.3	102.1	95.6	91.5	87.4	83.2	78.8	75.8	74.2	72.5	70.8
38.75°	122.1	115.7	109.0	102.0	94.8	90.5	85.9	81.3	76.6	74.8	73.1
37.5°	136.3	129.3	122.2	115.0	107.4	99.6	93.0	88.2	83.2	78.1	75.3
36.25°	150.6	143.4	135.8	127.9	120.0	111.9	103.5	95.0	89.8	84.6	79.2
35°	166.1	157.3	149.4	141.3	132.8	124.1	115.4	106.5	97.4	91.0	85.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	184.2	174.2	163.7	154.5	145.7	136.6	127.2	118.0	108.5	98.9	91.5
32.5°	202.2	191.7	180.9	169.6	158.4	149.0	139.3	129.3	119.5	109.5	99.4
31.25°	219.9	209.1	197.8	186.1	174.0	161.5	151.2	141.0	130.4	120.0	109.5
30°	237.4	226.2	214.5	202.4	189.9	177.0	163.7	152.4	141.5	130.4	119.5
28.75°	257.6	243.1	231.0	218.5	205.5	192.2	178.5	164.4	152.4	141.0	129.3
27.5°	280.7	264.4	247.4	234.2	220.8	207.0	192.9	178.5	163.7	151.2	139.3
26.25°	303.4	286.5	268.9	250.7	235.8	221.6	207.0	192.2	177.0	161.5	149.0
25°	328.8	308.6	289.9	271.2	251.8	235.8	220.8	205.5	189.9	174.0	158.4
23.75°	353.9	333.0	311.3	291.1	271.2	250.7	234.2	218.5	202.4	186.1	169.6
22.5°	379.5	356.8	334.4	311.3	289.9	268.9	247.4	231.0	214.5	197.8	180.9
21.25°	409.9	381.3	356.8	333.0	308.6	286.5	264.4	243.1	226.2	209.1	191.7
20°	453.3	409.9	379.5	353.9	328.8	303.4	280.7	257.6	237.4	219.9	202.2
18.75°	525.9	450.1	404.3	374.4	348.2	321.9	296.4	272.7	248.7	230.2	212.1
17.5°	613.8	515.6	441.5	396.9	366.8	339.7	312.3	287.1	262.6	240.1	221.6
16.25°	708.5	593.0	495.2	427.3	386.5	356.7	328.6	300.7	275.6	250.3	230.5
15°	804.9	676.4	558.7	464.9	407.7	372.9	344.0	314.8	288.0	262.2	238.9
13.75°	900.5	762.3	631.5	517.8	436.8	390.4	358.4	328.7	299.5	273.2	246.8
12.5°	986.7	846.7	705.6	576.2	472.3	408.8	371.8	341.5	310.9	283.4	256.5
11.25°	1064.4	925.5	776.6	636.2	515.8	432.6	386.0	353.2	322.2	292.8	265.5
10°	1131.1	994.7	845.3	695.9	560.7	455.7	399.0	363.9	332.4	301.3	273.6
8.75°	1185.0	1056.1	907.4	751.3	607.4	489.4	415.1	373.7	341.5	309.4	280.8
7.5°	1226.5	1106.5	960.0	801.3	648.5	519.1	431.4	383.4	349.4	317.0	287.1
6.25°	1259.5	1149.9	1004.8	845.9	687.7	546.4	445.2	391.7	356.2	323.5	292.5
5°	1278.4	1180.8	1042.0	882.7	720.5	574.0	459.7	398.5	361.8	328.8	297.0
3.75°	1293.3	1202.9	1069.0	911.7	746.3	595.6	475.4	404.3	366.2	333.0	300.4
2.5°	1304.1	1218.8	1088.2	931.7	764.8	611.2	486.6	410.5	369.4	336.0	302.9
1.25°	1310.6	1228.4	1099.9	943.7	776.0	620.5	493.3	414.1	371.3	337.8	304.4
0°	1312.8	1231.7	1103.8	947.7	779.7	623.7	495.6	415.4	371.9	338.4	304.9
-1.25°	1310.6	1228.4	1099.9	943.7	776.0	620.5	493.3	414.1	371.3	337.8	304.4
-2.5°	1304.1	1218.8	1088.2	931.7	764.8	611.2	486.6	410.5	369.4	336.0	302.9
-3.75°	1293.3	1202.9	1069.0	911.7	746.3	595.6	475.4	404.3	366.2	333.0	300.4
-5°	1278.4	1180.8	1042.0	882.7	720.5	574.0	459.7	398.5	361.8	328.8	297.0
-6.25°	1259.5	1149.9	1004.8	845.9	687.7	546.4	445.2	391.7	356.2	323.5	292.5
-7.5°	1226.5	1106.5	960.0	801.3	648.5	519.1	431.4	383.4	349.4	317.0	287.1
-8.75°	1185.0	1056.1	907.4	751.3	607.4	489.4	415.1	373.7	341.5	309.4	280.8
-10°	1131.1	994.7	845.3	695.9	560.7	455.7	399.0	363.9	332.4	301.3	273.6
-11.25°	1064.4	925.5	776.6	636.2	515.8	432.6	386.0	353.2	322.2	292.8	265.5
-12.5°	986.7	846.7	705.6	576.2	472.3	408.8	371.8	341.5	310.9	283.4	256.5
-13.75°	900.5	762.3	631.5	517.8	436.8	390.4	358.4	328.7	299.5	273.2	246.8
-15°	804.9	676.4	558.7	464.9	407.7	372.9	344.0	314.8	288.0	262.2	238.9
-16.25°	708.5	593.0	495.2	427.3	386.5	356.7	328.6	300.7	275.6	250.3	230.5
-17.5°	613.8	515.6	441.5	396.9	366.8	339.7	312.3	287.1	262.6	240.1	221.6
-18.75°	525.9	450.1	404.3	374.4	348.2	321.9	296.4	272.7	248.7	230.2	212.1
-20°	453.3	409.9	379.5	353.9	328.8	303.4	280.7	257.6	237.4	219.9	202.2
-21.25°	409.9	381.3	356.8	333.0	308.6	286.5	264.4	243.1	226.2	209.1	191.7



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	379.5	356.8	334.4	311.3	289.9	268.9	247.4	231.0	214.5	197.8	180.9
-23.75°	353.9	333.0	311.3	291.1	271.2	250.7	234.2	218.5	202.4	186.1	169.6
-25°	328.8	308.6	289.9	271.2	251.8	235.8	220.8	205.5	189.9	174.0	158.4
-26.25°	303.4	286.5	268.9	250.7	235.8	221.6	207.0	192.2	177.0	161.5	149.0
-27.5°	280.7	264.4	247.4	234.2	220.8	207.0	192.9	178.5	163.7	151.2	139.3
-28.75°	257.6	243.1	231.0	218.5	205.5	192.2	178.5	164.4	152.4	141.0	129.3
-30°	237.4	226.2	214.5	202.4	189.9	177.0	163.7	152.4	141.5	130.4	119.5
-31.25°	219.9	209.1	197.8	186.1	174.0	161.5	151.2	141.0	130.4	120.0	109.5
-32.5°	202.2	191.7	180.9	169.6	158.4	149.0	139.3	129.3	119.5	109.5	99.4
-33.75°	184.2	174.2	163.7	154.5	145.7	136.6	127.2	118.0	108.5	98.9	91.5
-35°	166.1	157.3	149.4	141.3	132.8	124.1	115.4	106.5	97.4	91.0	85.4
-36.25°	150.6	143.4	135.8	127.9	120.0	111.9	103.5	95.0	89.8	84.6	79.2
-37.5°	136.3	129.3	122.2	115.0	107.4	99.6	93.0	88.2	83.2	78.1	75.3
-38.75°	122.1	115.7	109.0	102.0	94.8	90.5	85.9	81.3	76.6	74.8	73.1
-40°	108.3	102.1	95.6	91.5	87.4	83.2	78.8	75.8	74.2	72.5	70.8
-41.25°	94.6	91.2	87.6	83.9	79.9	76.3	74.9	73.4	71.8	70.2	69.4
-42.5°	86.6	83.3	79.8	76.5	75.1	73.8	72.4	70.9	69.8	69.0	68.2
-43.75°	78.4	76.1	75.0	73.8	72.5	71.2	70.0	69.3	68.6	67.8	67.0
-45°	74.4	73.3	72.2	71.1	70.0	69.4	68.7	68.0	67.3	66.6	65.9
-46.25°	71.5	70.5	69.8	69.3	68.7	68.1	67.4	66.8	66.1	65.4	64.7
-47.5°	69.4	69.0	68.4	67.9	67.3	66.7	66.1	65.5	64.8	64.2	63.4
-48.75°	68.0	67.5	67.0	66.5	66.0	65.4	64.8	64.2	63.5	62.7	61.9
-50°	66.6	66.1	65.6	65.1	64.6	64.1	63.4	62.7	62.0	61.2	60.4
-51.25°	65.1	64.7	64.2	63.7	63.1	62.5	61.8	61.1	60.4	59.7	59.1
-52.5°	63.6	63.1	62.6	62.0	61.4	60.8	60.2	59.6	59.0	58.4	57.8
-53.75°	61.9	61.4	60.9	60.3	59.8	59.3	58.8	58.3	57.7	57.2	56.5
-55°	60.1	59.7	59.3	58.8	58.4	57.9	57.4	56.9	56.3	55.5	54.6
-56.25°	58.6	58.2	57.8	57.4	57.0	56.5	55.8	55.1	54.3	53.5	52.7
-57.5°	57.1	56.8	56.2	55.7	55.1	54.4	53.7	53.1	52.3	51.6	50.7
-58.75°	55.1	54.6	54.1	53.5	52.9	52.3	51.7	50.9	50.1	49.3	48.4
-60°	52.9	52.4	51.9	51.3	50.7	50.0	49.3	48.5	47.8	47.0	46.1
-61.25°	50.5	50.0	49.4	48.8	48.2	47.5	46.9	46.1	45.2	44.2	43.2
-62.5°	47.9	47.4	46.9	46.3	45.5	44.8	43.9	43.1	42.2	41.3	40.3
-63.75°	45.0	44.4	43.8	43.1	42.4	41.6	40.8	40.0	39.2	38.5	37.8
-65°	41.7	41.1	40.5	39.8	39.2	38.6	38.0	37.4	36.8	36.1	35.5
-66.25°	38.5	38.1	37.6	37.2	36.7	36.1	35.6	35.0	34.4	33.8	33.1
-67.5°	35.9	35.5	35.1	34.6	34.2	33.7	33.1	32.5	31.8	31.2	30.5
-68.75°	33.3	32.8	32.4	31.9	31.4	30.9	30.3	29.7	29.1	28.5	27.9
-70°	30.3	29.9	29.5	29.0	28.5	28.0	27.5	27.0	26.8	26.5	26.2
-71.25°	27.3	27.0	26.8	26.6	26.4	26.1	25.9	25.7	25.4	25.1	24.8
-72.5°	25.7	25.5	25.3	25.1	24.9	24.7	24.5	24.3	24.0	23.8	23.5
-73.75°	24.2	24.1	23.9	23.7	23.5	23.3	23.1	22.9	22.7	22.4	22.2
-75°	22.7	22.6	22.4	22.2	22.1	21.9	21.7	21.5	21.3	21.1	20.8
-76.25°	21.2	21.1	20.9	20.8	20.6	20.5	20.3	20.1	19.9	19.7	19.5
-77.5°	19.8	19.6	19.5	19.4	19.2	19.1	18.9	18.8	18.6	18.4	18.2



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	18.3	18.2	18.1	18.0	17.8	17.7	17.5	17.4	17.2	17.0	16.8
-80°	16.6	16.5	16.4	16.2	16.1	15.9	15.8	15.6	15.4	15.3	15.1
-81.25°	14.7	14.6	14.5	14.4	14.3	14.1	14.0	13.9	13.7	13.5	13.4
-82.5°	12.7	12.6	12.5	12.4	12.2	12.1	12.0	11.8	11.7	11.5	11.3
-83.75°	10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.5	9.3
-85°	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3
-86.25°	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.4	5.3
-87.5°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
-88.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
87.5°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
86.25°	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
85°	7.2	7.1	6.9	6.8	6.7	6.6	6.4	6.3	6.1	6.0	5.8
83.75°	9.2	9.0	8.9	8.7	8.6	8.4	8.2	8.0	7.9	7.7	7.5
82.5°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1
81.25°	13.2	12.9	12.7	12.5	12.3	12.0	11.8	11.6	11.3	11.1	10.8
80°	14.9	14.7	14.5	14.3	14.1	13.8	13.6	13.3	13.0	12.7	12.4
78.75°	16.5	16.3	16.1	15.8	15.6	15.4	15.1	14.8	14.6	14.3	14.0
77.5°	18.1	17.9	17.7	17.4	17.1	16.9	16.6	16.3	16.0	15.7	15.4
76.25°	19.3	19.1	18.9	18.7	18.4	18.2	18.0	17.7	17.4	17.1	16.7
75°	20.6	20.4	20.1	19.9	19.6	19.4	19.1	18.8	18.6	18.3	18.0
73.75°	21.9	21.7	21.4	21.1	20.8	20.5	20.3	20.0	19.7	19.4	19.0
72.5°	23.2	23.0	22.7	22.4	22.1	21.7	21.4	21.1	20.8	20.4	20.1
71.25°	24.5	24.2	23.9	23.6	23.3	22.9	22.6	22.2	21.9	21.5	21.1
70°	25.8	25.5	25.2	24.9	24.5	24.1	23.8	23.4	23.0	22.6	22.2
68.75°	27.2	26.8	26.5	26.1	25.7	25.3	24.9	24.5	24.1	23.7	23.3
67.5°	29.8	29.1	28.3	27.5	26.9	26.5	26.1	25.7	25.2	24.8	24.3
66.25°	32.4	31.6	30.8	30.0	29.2	28.3	27.4	26.8	26.3	25.9	25.4
65°	34.8	34.1	33.3	32.5	31.6	30.7	29.7	28.8	27.8	27.0	26.5
63.75°	37.0	36.3	35.5	34.7	33.9	33.0	32.0	31.0	30.0	29.0	27.9
62.5°	39.3	38.5	37.7	36.8	36.0	35.1	34.2	33.3	32.2	31.1	30.0
61.25°	42.2	41.1	40.0	38.9	38.1	37.1	36.2	35.2	34.2	33.2	32.0
60°	45.0	43.9	42.8	41.6	40.4	39.2	38.2	37.2	36.1	35.1	34.0
58.75°	47.5	46.6	45.5	44.3	43.0	41.7	40.4	39.1	38.0	36.9	35.8
57.5°	49.7	48.8	47.8	46.8	45.6	44.3	42.9	41.5	40.1	38.7	37.6
56.25°	51.9	50.9	49.9	48.9	47.8	46.7	45.4	43.9	42.4	40.9	39.4
55°	53.8	52.9	52.0	50.9	49.8	48.7	47.5	46.3	44.8	43.2	41.6
53.75°	55.6	54.7	53.8	52.8	51.8	50.6	49.4	48.2	46.9	45.5	43.8
52.5°	57.2	56.5	55.6	54.5	53.5	52.5	51.3	50.0	48.7	47.4	46.0
51.25°	58.4	57.8	57.1	56.3	55.2	54.1	53.0	51.9	50.5	49.1	47.8
50°	59.7	59.0	58.3	57.5	56.8	55.7	54.6	53.4	52.2	50.9	49.4
48.75°	61.1	60.2	59.4	58.7	57.9	57.1	56.2	54.9	53.7	52.5	51.1
47.5°	62.5	61.6	60.7	59.8	59.0	58.2	57.4	56.5	55.2	53.9	52.6
46.25°	63.9	63.0	62.1	61.1	60.1	59.2	58.4	57.5	56.6	55.3	53.9
45°	65.1	64.3	63.4	62.4	61.4	60.4	59.4	58.5	57.6	56.7	55.3
43.75°	66.3	65.4	64.6	63.7	62.7	61.6	60.5	59.5	58.6	57.6	56.6
42.5°	67.4	66.6	65.7	64.8	63.9	62.8	61.7	60.6	59.5	58.5	57.5
41.25°	68.5	67.7	66.8	65.9	64.9	64.0	62.9	61.7	60.5	59.4	58.4
40°	69.6	68.7	67.8	66.9	66.0	65.0	64.0	62.8	61.6	60.4	59.2
38.75°	71.3	69.8	68.9	67.9	66.9	66.0	64.9	63.9	62.7	61.4	60.1
37.5°	73.5	71.6	69.9	68.9	67.9	66.9	65.9	64.8	63.7	62.4	61.1
36.25°	75.6	73.6	71.7	69.9	68.9	67.8	66.8	65.7	64.6	63.4	62.1
35°	79.8	75.7	73.6	71.6	69.8	68.7	67.7	66.6	65.4	64.3	63.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	85.7	79.8	75.6	73.5	71.3	69.6	68.5	67.4	66.3	65.1	63.9
32.5°	91.5	85.4	79.2	75.3	73.1	70.8	69.4	68.2	67.0	65.9	64.7
31.25°	98.9	91.0	84.6	78.1	74.8	72.5	70.2	69.0	67.8	66.6	65.4
30°	108.5	97.4	89.8	83.2	76.6	74.2	71.8	69.8	68.6	67.3	66.1
28.75°	118.0	106.5	95.0	88.2	81.3	75.8	73.4	70.9	69.3	68.0	66.8
27.5°	127.2	115.4	103.5	93.0	85.9	78.8	74.9	72.4	70.0	68.7	67.4
26.25°	136.6	124.1	111.9	99.6	90.5	83.2	76.3	73.8	71.2	69.4	68.1
25°	145.7	132.8	120.0	107.4	94.8	87.4	79.9	75.1	72.5	70.0	68.7
23.75°	154.5	141.3	127.9	115.0	102.0	91.5	83.9	76.5	73.8	71.1	69.3
22.5°	163.7	149.4	135.8	122.2	109.0	95.6	87.6	79.8	75.0	72.2	69.8
21.25°	174.2	157.3	143.4	129.3	115.7	102.1	91.2	83.3	76.1	73.3	70.5
20°	184.2	166.1	150.6	136.3	122.1	108.3	94.6	86.6	78.4	74.4	71.5
18.75°	193.8	175.3	157.5	143.0	128.3	114.2	100.0	89.7	81.5	75.4	72.5
17.5°	202.9	184.1	165.1	149.3	134.3	119.7	105.3	92.6	84.3	76.4	73.4
16.25°	211.5	192.3	173.1	155.2	140.0	124.9	110.4	95.7	87.0	78.5	74.3
15°	219.5	200.1	180.5	160.8	145.4	129.9	115.0	100.2	89.5	80.9	75.1
13.75°	227.1	207.3	187.4	167.5	150.3	134.7	119.4	104.4	91.8	83.1	75.8
12.5°	234.0	213.9	193.8	173.6	154.9	139.1	123.4	108.2	93.9	85.1	76.5
11.25°	240.3	220.0	199.6	179.2	159.0	143.1	127.0	111.7	96.4	87.0	78.1
10°	246.1	225.5	204.9	184.2	163.5	146.6	130.5	114.9	99.4	88.6	79.7
8.75°	252.8	230.4	209.5	188.7	167.8	149.8	133.5	117.7	102.1	90.1	81.1
7.5°	258.8	234.6	213.6	192.6	171.5	152.6	136.2	120.1	104.4	91.4	82.4
6.25°	263.9	238.3	217.1	195.9	174.7	155.0	138.5	122.2	106.4	92.5	83.4
5°	268.2	241.3	219.9	198.6	177.3	156.9	140.3	123.9	108.0	93.4	84.3
3.75°	271.5	243.6	222.2	200.7	179.3	158.4	141.8	125.2	109.3	94.1	84.9
2.5°	273.8	245.3	223.8	202.3	180.8	159.5	142.8	126.1	110.2	94.6	85.4
1.25°	275.3	246.3	224.7	203.2	181.7	160.2	143.4	126.7	110.8	94.9	85.7
0°	275.8	246.6	225.1	203.5	182.0	160.4	143.7	126.9	111.0	95.0	85.8
-1.25°	275.3	246.3	224.7	203.2	181.7	160.2	143.4	126.7	110.8	94.9	85.7
-2.5°	273.8	245.3	223.8	202.3	180.8	159.5	142.8	126.1	110.2	94.6	85.4
-3.75°	271.5	243.6	222.2	200.7	179.3	158.4	141.8	125.2	109.3	94.1	84.9
-5°	268.2	241.3	219.9	198.6	177.3	156.9	140.3	123.9	108.0	93.4	84.3
-6.25°	263.9	238.3	217.1	195.9	174.7	155.0	138.5	122.2	106.4	92.5	83.4
-7.5°	258.8	234.6	213.6	192.6	171.5	152.6	136.2	120.1	104.4	91.4	82.4
-8.75°	252.8	230.4	209.5	188.7	167.8	149.8	133.5	117.7	102.1	90.1	81.1
-10°	246.1	225.5	204.9	184.2	163.5	146.6	130.5	114.9	99.4	88.6	79.7
-11.25°	240.3	220.0	199.6	179.2	159.0	143.1	127.0	111.7	96.4	87.0	78.1
-12.5°	234.0	213.9	193.8	173.6	154.9	139.1	123.4	108.2	93.9	85.1	76.5
-13.75°	227.1	207.3	187.4	167.5	150.3	134.7	119.4	104.4	91.8	83.1	75.8
-15°	219.5	200.1	180.5	160.8	145.4	129.9	115.0	100.2	89.5	80.9	75.1
-16.25°	211.5	192.3	173.1	155.2	140.0	124.9	110.4	95.7	87.0	78.5	74.3
-17.5°	202.9	184.1	165.1	149.3	134.3	119.7	105.3	92.6	84.3	76.4	73.4
-18.75°	193.8	175.3	157.5	143.0	128.3	114.2	100.0	89.7	81.5	75.4	72.5
-20°	184.2	166.1	150.6	136.3	122.1	108.3	94.6	86.6	78.4	74.4	71.5
-21.25°	174.2	157.3	143.4	129.3	115.7	102.1	91.2	83.3	76.1	73.3	70.5

REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	163.7	149.4	135.8	122.2	109.0	95.6	87.6	79.8	75.0	72.2	69.8
-23.75°	154.5	141.3	127.9	115.0	102.0	91.5	83.9	76.5	73.8	71.1	69.3
-25°	145.7	132.8	120.0	107.4	94.8	87.4	79.9	75.1	72.5	70.0	68.7
-26.25°	136.6	124.1	111.9	99.6	90.5	83.2	76.3	73.8	71.2	69.4	68.1
-27.5°	127.2	115.4	103.5	93.0	85.9	78.8	74.9	72.4	70.0	68.7	67.4
-28.75°	118.0	106.5	95.0	88.2	81.3	75.8	73.4	70.9	69.3	68.0	66.8
-30°	108.5	97.4	89.8	83.2	76.6	74.2	71.8	69.8	68.6	67.3	66.1
-31.25°	98.9	91.0	84.6	78.1	74.8	72.5	70.2	69.0	67.8	66.6	65.4
-32.5°	91.5	85.4	79.2	75.3	73.1	70.8	69.4	68.2	67.0	65.9	64.7
-33.75°	85.7	79.8	75.6	73.5	71.3	69.6	68.5	67.4	66.3	65.1	63.9
-35°	79.8	75.7	73.6	71.6	69.8	68.7	67.7	66.6	65.4	64.3	63.0
-36.25°	75.6	73.6	71.7	69.9	68.9	67.8	66.8	65.7	64.6	63.4	62.1
-37.5°	73.5	71.6	69.9	68.9	67.9	66.9	65.9	64.8	63.7	62.4	61.1
-38.75°	71.3	69.8	68.9	67.9	66.9	66.0	64.9	63.9	62.7	61.4	60.1
-40°	69.6	68.7	67.8	66.9	66.0	65.0	64.0	62.8	61.6	60.4	59.2
-41.25°	68.5	67.7	66.8	65.9	64.9	64.0	62.9	61.7	60.5	59.4	58.4
-42.5°	67.4	66.6	65.7	64.8	63.9	62.8	61.7	60.6	59.5	58.5	57.5
-43.75°	66.3	65.4	64.6	63.7	62.7	61.6	60.5	59.5	58.6	57.6	56.6
-45°	65.1	64.3	63.4	62.4	61.4	60.4	59.4	58.5	57.6	56.7	55.3
-46.25°	63.9	63.0	62.1	61.1	60.1	59.2	58.4	57.5	56.6	55.3	53.9
-47.5°	62.5	61.6	60.7	59.8	59.0	58.2	57.4	56.5	55.2	53.9	52.6
-48.75°	61.1	60.2	59.4	58.7	57.9	57.1	56.2	54.9	53.7	52.5	51.1
-50°	59.7	59.0	58.3	57.5	56.8	55.7	54.6	53.4	52.2	50.9	49.4
-51.25°	58.4	57.8	57.1	56.3	55.2	54.1	53.0	51.9	50.5	49.1	47.8
-52.5°	57.2	56.5	55.6	54.5	53.5	52.5	51.3	50.0	48.7	47.4	46.0
-53.75°	55.6	54.7	53.8	52.8	51.8	50.6	49.4	48.2	46.9	45.5	43.8
-55°	53.8	52.9	52.0	50.9	49.8	48.7	47.5	46.3	44.8	43.2	41.6
-56.25°	51.9	50.9	49.9	48.9	47.8	46.7	45.4	43.9	42.4	40.9	39.4
-57.5°	49.7	48.8	47.8	46.8	45.6	44.3	42.9	41.5	40.1	38.7	37.6
-58.75°	47.5	46.6	45.5	44.3	43.0	41.7	40.4	39.1	38.0	36.9	35.8
-60°	45.0	43.9	42.8	41.6	40.4	39.2	38.2	37.2	36.1	35.1	34.0
-61.25°	42.2	41.1	40.0	38.9	38.1	37.1	36.2	35.2	34.2	33.2	32.0
-62.5°	39.3	38.5	37.7	36.8	36.0	35.1	34.2	33.3	32.2	31.1	30.0
-63.75°	37.0	36.3	35.5	34.7	33.9	33.0	32.0	31.0	30.0	29.0	27.9
-65°	34.8	34.1	33.3	32.5	31.6	30.7	29.7	28.8	27.8	27.0	26.5
-66.25°	32.4	31.6	30.8	30.0	29.2	28.3	27.4	26.8	26.3	25.9	25.4
-67.5°	29.8	29.1	28.3	27.5	26.9	26.5	26.1	25.7	25.2	24.8	24.3
-68.75°	27.2	26.8	26.5	26.1	25.7	25.3	24.9	24.5	24.1	23.7	23.3
-70°	25.8	25.5	25.2	24.9	24.5	24.1	23.8	23.4	23.0	22.6	22.2
-71.25°	24.5	24.2	23.9	23.6	23.3	22.9	22.6	22.2	21.9	21.5	21.1
-72.5°	23.2	23.0	22.7	22.4	22.1	21.7	21.4	21.1	20.8	20.4	20.1
-73.75°	21.9	21.7	21.4	21.1	20.8	20.5	20.3	20.0	19.7	19.4	19.0
-75°	20.6	20.4	20.1	19.9	19.6	19.4	19.1	18.8	18.6	18.3	18.0
-76.25°	19.3	19.1	18.9	18.7	18.4	18.2	18.0	17.7	17.4	17.1	16.7
-77.5°	18.1	17.9	17.7	17.4	17.1	16.9	16.6	16.3	16.0	15.7	15.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	16.5	16.3	16.1	15.8	15.6	15.4	15.1	14.8	14.6	14.3	14.0
-80°	14.9	14.7	14.5	14.3	14.1	13.8	13.6	13.3	13.0	12.7	12.4
-81.25°	13.2	12.9	12.7	12.5	12.3	12.0	11.8	11.6	11.3	11.1	10.8
-82.5°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1
-83.75°	9.2	9.0	8.9	8.7	8.6	8.4	8.2	8.0	7.9	7.7	7.5
-85°	7.2	7.1	6.9	6.8	6.7	6.6	6.4	6.3	6.1	6.0	5.8
-86.25°	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-87.5°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
-88.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
87.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
86.25°	4.1	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.1	3.0
85°	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.4	4.2	4.0
83.75°	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.4	5.2
82.5°	8.9	8.7	8.4	8.2	8.0	7.7	7.4	7.2	6.9	6.7	6.4
81.25°	10.5	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6
80°	12.1	11.8	11.5	11.2	10.9	10.5	10.2	9.8	9.5	9.1	8.8
78.75°	13.7	13.4	13.0	12.7	12.3	11.9	11.5	11.1	10.8	10.4	9.9
77.5°	15.1	14.7	14.4	14.1	13.7	13.3	12.9	12.5	12.0	11.6	11.1
76.25°	16.4	16.0	15.7	15.3	14.9	14.5	14.1	13.7	13.3	12.8	12.3
75°	17.7	17.3	16.9	16.5	16.1	15.7	15.3	14.8	14.4	13.9	13.5
73.75°	18.7	18.4	18.0	17.7	17.3	16.8	16.4	15.9	15.4	15.0	14.5
72.5°	19.7	19.4	19.0	18.7	18.3	17.9	17.5	17.0	16.5	16.0	15.4
71.25°	20.8	20.4	20.0	19.6	19.2	18.8	18.4	18.0	17.5	17.0	16.4
70°	21.8	21.4	21.0	20.5	20.1	19.7	19.2	18.8	18.3	17.9	17.4
68.75°	22.8	22.4	21.9	21.5	21.0	20.5	20.1	19.6	19.1	18.6	18.1
67.5°	23.9	23.4	22.9	22.4	21.9	21.4	20.9	20.4	19.9	19.4	18.9
66.25°	24.9	24.4	23.9	23.4	22.9	22.3	21.8	21.2	20.7	20.2	19.6
65°	25.9	25.4	24.9	24.3	23.8	23.2	22.7	22.1	21.5	20.9	20.3
63.75°	27.0	26.4	25.8	25.3	24.7	24.1	23.5	22.9	22.3	21.7	21.1
62.5°	28.8	27.7	26.8	26.2	25.6	25.0	24.4	23.7	23.1	22.4	21.8
61.25°	30.8	29.6	28.4	27.2	26.5	25.9	25.2	24.5	23.9	23.2	22.5
60°	32.8	31.6	30.3	29.0	27.7	26.7	26.0	25.3	24.6	23.9	23.2
58.75°	34.7	33.5	32.2	30.8	29.4	28.0	26.9	26.1	25.4	24.7	23.9
57.5°	36.4	35.2	34.0	32.6	31.2	29.7	28.3	26.9	26.2	25.4	24.6
56.25°	38.1	36.8	35.6	34.3	32.9	31.4	29.9	28.3	26.9	26.1	25.3
55°	40.0	38.5	37.2	35.8	34.5	33.1	31.5	29.9	28.3	26.9	26.0
53.75°	42.1	40.4	38.7	37.4	36.0	34.5	33.1	31.4	29.7	28.0	26.7
52.5°	44.2	42.5	40.6	38.9	37.4	36.0	34.5	32.9	31.2	29.4	27.7
51.25°	46.3	44.5	42.6	40.7	38.9	37.4	35.8	34.3	32.6	30.8	29.0
50°	48.0	46.5	44.6	42.6	40.6	38.7	37.2	35.6	34.0	32.2	30.3
48.75°	49.6	48.0	46.5	44.5	42.5	40.4	38.5	36.8	35.2	33.5	31.6
47.5°	51.1	49.6	48.0	46.3	44.2	42.1	40.0	38.1	36.4	34.7	32.8
46.25°	52.6	51.1	49.4	47.8	46.0	43.8	41.6	39.4	37.6	35.8	34.0
45°	53.9	52.5	50.9	49.1	47.4	45.5	43.2	40.9	38.7	36.9	35.1
43.75°	55.2	53.7	52.2	50.5	48.7	46.9	44.8	42.4	40.1	38.0	36.1
42.5°	56.5	54.9	53.4	51.9	50.0	48.2	46.3	43.9	41.5	39.1	37.2
41.25°	57.4	56.2	54.6	53.0	51.3	49.4	47.5	45.4	42.9	40.4	38.2
40°	58.2	57.1	55.7	54.1	52.5	50.6	48.7	46.7	44.3	41.7	39.2
38.75°	59.0	57.9	56.8	55.2	53.5	51.8	49.8	47.8	45.6	43.0	40.4
37.5°	59.8	58.7	57.5	56.3	54.5	52.8	50.9	48.9	46.8	44.3	41.6
36.25°	60.7	59.4	58.3	57.1	55.6	53.8	52.0	49.9	47.8	45.5	42.8
35°	61.6	60.2	59.0	57.8	56.5	54.7	52.9	50.9	48.8	46.6	43.9



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	62.5	61.1	59.7	58.4	57.2	55.6	53.8	51.9	49.7	47.5	45.0
32.5°	63.4	61.9	60.4	59.1	57.8	56.5	54.6	52.7	50.7	48.4	46.1
31.25°	64.2	62.7	61.2	59.7	58.4	57.2	55.5	53.5	51.6	49.3	47.0
30°	64.8	63.5	62.0	60.4	59.0	57.7	56.3	54.3	52.3	50.1	47.8
28.75°	65.5	64.2	62.7	61.1	59.6	58.3	56.9	55.1	53.1	50.9	48.5
27.5°	66.1	64.8	63.4	61.8	60.2	58.8	57.4	55.8	53.7	51.7	49.3
26.25°	66.7	65.4	64.1	62.5	60.8	59.3	57.9	56.5	54.4	52.3	50.0
25°	67.3	66.0	64.6	63.1	61.4	59.8	58.4	57.0	55.1	52.9	50.7
23.75°	67.9	66.5	65.1	63.7	62.0	60.3	58.8	57.4	55.7	53.5	51.3
22.5°	68.4	67.0	65.6	64.2	62.6	60.9	59.3	57.8	56.2	54.1	51.9
21.25°	69.0	67.5	66.1	64.7	63.1	61.4	59.7	58.2	56.8	54.6	52.4
20°	69.4	68.0	66.6	65.1	63.6	61.9	60.1	58.6	57.1	55.1	52.9
18.75°	69.9	68.5	67.0	65.5	64.1	62.3	60.5	58.9	57.4	55.6	53.4
17.5°	70.5	68.9	67.4	65.9	64.4	62.8	60.9	59.3	57.8	56.0	53.8
16.25°	71.3	69.3	67.8	66.3	64.8	63.2	61.3	59.6	58.0	56.5	54.2
15°	72.1	69.6	68.1	66.6	65.1	63.5	61.7	59.8	58.3	56.8	54.5
13.75°	72.8	70.0	68.5	66.9	65.4	63.9	62.0	60.1	58.6	57.0	54.9
12.5°	73.4	70.4	68.8	67.2	65.7	64.1	62.3	60.4	58.8	57.2	55.2
11.25°	74.0	70.9	69.0	67.5	65.9	64.4	62.6	60.7	59.0	57.4	55.5
10°	74.6	71.5	69.3	67.7	66.1	64.6	62.9	60.9	59.2	57.6	55.7
8.75°	75.0	71.9	69.5	67.9	66.3	64.8	63.1	61.2	59.4	57.8	56.0
7.5°	75.5	72.3	69.7	68.1	66.5	64.9	63.3	61.3	59.5	57.9	56.2
6.25°	75.8	72.6	69.8	68.3	66.7	65.1	63.4	61.5	59.6	58.0	56.3
5°	76.1	72.9	70.0	68.4	66.8	65.2	63.6	61.6	59.7	58.1	56.5
3.75°	76.3	73.1	70.1	68.5	66.9	65.3	63.7	61.7	59.8	58.2	56.6
2.5°	76.5	73.3	70.1	68.5	66.9	65.3	63.7	61.8	59.9	58.3	56.6
1.25°	76.6	73.4	70.2	68.6	67.0	65.4	63.8	61.8	59.9	58.3	56.7
0°	76.6	73.4	70.2	68.6	67.0	65.4	63.8	61.9	59.9	58.3	56.7
-1.25°	76.6	73.4	70.2	68.6	67.0	65.4	63.8	61.8	59.9	58.3	56.7
-2.5°	76.5	73.3	70.1	68.5	66.9	65.3	63.7	61.8	59.9	58.3	56.6
-3.75°	76.3	73.1	70.1	68.5	66.9	65.3	63.7	61.7	59.8	58.2	56.6
-5°	76.1	72.9	70.0	68.4	66.8	65.2	63.6	61.6	59.7	58.1	56.5
-6.25°	75.8	72.6	69.8	68.3	66.7	65.1	63.4	61.5	59.6	58.0	56.3
-7.5°	75.5	72.3	69.7	68.1	66.5	64.9	63.3	61.3	59.5	57.9	56.2
-8.75°	75.0	71.9	69.5	67.9	66.3	64.8	63.1	61.2	59.4	57.8	56.0
-10°	74.6	71.5	69.3	67.7	66.1	64.6	62.9	60.9	59.2	57.6	55.7
-11.25°	74.0	70.9	69.0	67.5	65.9	64.4	62.6	60.7	59.0	57.4	55.5
-12.5°	73.4	70.4	68.8	67.2	65.7	64.1	62.3	60.4	58.8	57.2	55.2
-13.75°	72.8	70.0	68.5	66.9	65.4	63.9	62.0	60.1	58.6	57.0	54.9
-15°	72.1	69.6	68.1	66.6	65.1	63.5	61.7	59.8	58.3	56.8	54.5
-16.25°	71.3	69.3	67.8	66.3	64.8	63.2	61.3	59.6	58.0	56.5	54.2
-17.5°	70.5	68.9	67.4	65.9	64.4	62.8	60.9	59.3	57.8	56.0	53.8
-18.75°	69.9	68.5	67.0	65.5	64.1	62.3	60.5	58.9	57.4	55.6	53.4
-20°	69.4	68.0	66.6	65.1	63.6	61.9	60.1	58.6	57.1	55.1	52.9
-21.25°	69.0	67.5	66.1	64.7	63.1	61.4	59.7	58.2	56.8	54.6	52.4



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	68.4	67.0	65.6	64.2	62.6	60.9	59.3	57.8	56.2	54.1	51.9
-23.75°	67.9	66.5	65.1	63.7	62.0	60.3	58.8	57.4	55.7	53.5	51.3
-25°	67.3	66.0	64.6	63.1	61.4	59.8	58.4	57.0	55.1	52.9	50.7
-26.25°	66.7	65.4	64.1	62.5	60.8	59.3	57.9	56.5	54.4	52.3	50.0
-27.5°	66.1	64.8	63.4	61.8	60.2	58.8	57.4	55.8	53.7	51.7	49.3
-28.75°	65.5	64.2	62.7	61.1	59.6	58.3	56.9	55.1	53.1	50.9	48.5
-30°	64.8	63.5	62.0	60.4	59.0	57.7	56.3	54.3	52.3	50.1	47.8
-31.25°	64.2	62.7	61.2	59.7	58.4	57.2	55.5	53.5	51.6	49.3	47.0
-32.5°	63.4	61.9	60.4	59.1	57.8	56.5	54.6	52.7	50.7	48.4	46.1
-33.75°	62.5	61.1	59.7	58.4	57.2	55.6	53.8	51.9	49.7	47.5	45.0
-35°	61.6	60.2	59.0	57.8	56.5	54.7	52.9	50.9	48.8	46.6	43.9
-36.25°	60.7	59.4	58.3	57.1	55.6	53.8	52.0	49.9	47.8	45.5	42.8
-37.5°	59.8	58.7	57.5	56.3	54.5	52.8	50.9	48.9	46.8	44.3	41.6
-38.75°	59.0	57.9	56.8	55.2	53.5	51.8	49.8	47.8	45.6	43.0	40.4
-40°	58.2	57.1	55.7	54.1	52.5	50.6	48.7	46.7	44.3	41.7	39.2
-41.25°	57.4	56.2	54.6	53.0	51.3	49.4	47.5	45.4	42.9	40.4	38.2
-42.5°	56.5	54.9	53.4	51.9	50.0	48.2	46.3	43.9	41.5	39.1	37.2
-43.75°	55.2	53.7	52.2	50.5	48.7	46.9	44.8	42.4	40.1	38.0	36.1
-45°	53.9	52.5	50.9	49.1	47.4	45.5	43.2	40.9	38.7	36.9	35.1
-46.25°	52.6	51.1	49.4	47.8	46.0	43.8	41.6	39.4	37.6	35.8	34.0
-47.5°	51.1	49.6	48.0	46.3	44.2	42.1	40.0	38.1	36.4	34.7	32.8
-48.75°	49.6	48.0	46.5	44.5	42.5	40.4	38.5	36.8	35.2	33.5	31.6
-50°	48.0	46.5	44.6	42.6	40.6	38.7	37.2	35.6	34.0	32.2	30.3
-51.25°	46.3	44.5	42.6	40.7	38.9	37.4	35.8	34.3	32.6	30.8	29.0
-52.5°	44.2	42.5	40.6	38.9	37.4	36.0	34.5	32.9	31.2	29.4	27.7
-53.75°	42.1	40.4	38.7	37.4	36.0	34.5	33.1	31.4	29.7	28.0	26.7
-55°	40.0	38.5	37.2	35.8	34.5	33.1	31.5	29.9	28.3	26.9	26.0
-56.25°	38.1	36.8	35.6	34.3	32.9	31.4	29.9	28.3	26.9	26.1	25.3
-57.5°	36.4	35.2	34.0	32.6	31.2	29.7	28.3	26.9	26.2	25.4	24.6
-58.75°	34.7	33.5	32.2	30.8	29.4	28.0	26.9	26.1	25.4	24.7	23.9
-60°	32.8	31.6	30.3	29.0	27.7	26.7	26.0	25.3	24.6	23.9	23.2
-61.25°	30.8	29.6	28.4	27.2	26.5	25.9	25.2	24.5	23.9	23.2	22.5
-62.5°	28.8	27.7	26.8	26.2	25.6	25.0	24.4	23.7	23.1	22.4	21.8
-63.75°	27.0	26.4	25.8	25.3	24.7	24.1	23.5	22.9	22.3	21.7	21.1
-65°	25.9	25.4	24.9	24.3	23.8	23.2	22.7	22.1	21.5	20.9	20.3
-66.25°	24.9	24.4	23.9	23.4	22.9	22.3	21.8	21.2	20.7	20.2	19.6
-67.5°	23.9	23.4	22.9	22.4	21.9	21.4	20.9	20.4	19.9	19.4	18.9
-68.75°	22.8	22.4	21.9	21.5	21.0	20.5	20.1	19.6	19.1	18.6	18.1
-70°	21.8	21.4	21.0	20.5	20.1	19.7	19.2	18.8	18.3	17.9	17.4
-71.25°	20.8	20.4	20.0	19.6	19.2	18.8	18.4	18.0	17.5	17.0	16.4
-72.5°	19.7	19.4	19.0	18.7	18.3	17.9	17.5	17.0	16.5	16.0	15.4
-73.75°	18.7	18.4	18.0	17.7	17.3	16.8	16.4	15.9	15.4	15.0	14.5
-75°	17.7	17.3	16.9	16.5	16.1	15.7	15.3	14.8	14.4	13.9	13.5
-76.25°	16.4	16.0	15.7	15.3	14.9	14.5	14.1	13.7	13.3	12.8	12.3
-77.5°	15.1	14.7	14.4	14.1	13.7	13.3	12.9	12.5	12.0	11.6	11.1



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	13.7	13.4	13.0	12.7	12.3	11.9	11.5	11.1	10.8	10.4	9.9
-80°	12.1	11.8	11.5	11.2	10.9	10.5	10.2	9.8	9.5	9.1	8.8
-81.25°	10.5	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6
-82.5°	8.9	8.7	8.4	8.2	8.0	7.7	7.4	7.2	6.9	6.7	6.4
-83.75°	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.4	5.2
-85°	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.4	4.2	4.0
-86.25°	4.1	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.1	3.0
-87.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
-88.75°	1.4	1.3	1.3	1.3	1.2	1.2	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: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
87.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
86.25°	2.9	2.8	2.7	2.5	2.4	2.3	2.2	2.1	1.9	1.8	1.7
85°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
83.75°	5.0	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8
82.5°	6.1	5.8	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.6	3.3
81.25°	7.3	6.9	6.6	6.3	5.9	5.6	5.3	4.9	4.6	4.2	3.9
80°	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.5
78.75°	9.5	9.1	8.7	8.3	7.9	7.4	7.0	6.5	6.1	5.7	5.2
77.5°	10.7	10.2	9.7	9.3	8.8	8.3	7.8	7.4	6.9	6.4	5.9
76.25°	11.8	11.3	10.8	10.3	9.7	9.2	8.7	8.2	7.6	7.1	6.5
75°	12.9	12.4	11.8	11.3	10.7	10.1	9.5	9.0	8.4	7.8	7.2
73.75°	14.0	13.5	12.9	12.2	11.6	11.0	10.4	9.7	9.1	8.5	7.8
72.5°	14.9	14.4	13.8	13.2	12.6	11.9	11.2	10.5	9.8	9.2	8.5
71.25°	15.8	15.3	14.7	14.1	13.5	12.8	12.0	11.3	10.6	9.8	9.1
70°	16.7	16.1	15.5	14.9	14.3	13.6	12.9	12.1	11.3	10.5	9.7
68.75°	17.6	17.0	16.4	15.7	15.0	14.4	13.7	12.9	12.0	11.2	10.4
67.5°	18.4	17.8	17.2	16.5	15.8	15.1	14.4	13.6	12.8	11.9	11.0
66.25°	19.1	18.5	17.9	17.3	16.5	15.8	15.0	14.3	13.5	12.6	11.6
65°	19.7	19.2	18.6	18.0	17.3	16.5	15.7	14.9	14.1	13.2	12.2
63.75°	20.4	19.8	19.2	18.6	17.9	17.2	16.4	15.5	14.7	13.8	12.9
62.5°	21.1	20.5	19.8	19.2	18.5	17.8	17.0	16.1	15.3	14.4	13.5
61.25°	21.8	21.1	20.4	19.7	19.1	18.4	17.6	16.7	15.8	14.9	14.0
60°	22.5	21.8	21.1	20.3	19.6	18.9	18.1	17.4	16.4	15.4	14.5
58.75°	23.2	22.4	21.7	20.9	20.2	19.4	18.6	17.9	17.0	16.0	15.0
57.5°	23.9	23.1	22.3	21.5	20.7	19.9	19.1	18.3	17.5	16.5	15.4
56.25°	24.5	23.7	22.9	22.1	21.2	20.4	19.6	18.8	18.0	17.0	15.9
55°	25.2	24.4	23.5	22.7	21.8	20.9	20.1	19.2	18.4	17.5	16.4
53.75°	25.9	25.0	24.1	23.2	22.3	21.4	20.5	19.7	18.8	17.9	16.8
52.5°	26.5	25.6	24.7	23.8	22.9	21.9	21.0	20.1	19.2	18.3	17.3
51.25°	27.2	26.2	25.3	24.3	23.4	22.4	21.5	20.5	19.6	18.7	17.7
50°	28.4	26.8	25.8	24.9	23.9	22.9	21.9	21.0	20.0	19.0	18.0
48.75°	29.6	27.7	26.4	25.4	24.4	23.4	22.4	21.4	20.4	19.4	18.4
47.5°	30.8	28.8	27.0	25.9	24.9	23.9	22.8	21.8	20.8	19.7	18.7
46.25°	32.0	30.0	27.9	26.5	25.4	24.3	23.3	22.2	21.1	20.1	19.0
45°	33.2	31.1	29.0	27.0	25.9	24.8	23.7	22.6	21.5	20.4	19.4
43.75°	34.2	32.2	30.0	27.8	26.3	25.2	24.1	23.0	21.9	20.8	19.7
42.5°	35.2	33.3	31.0	28.8	26.8	25.7	24.5	23.4	22.2	21.1	20.0
41.25°	36.2	34.2	32.0	29.7	27.4	26.1	24.9	23.8	22.6	21.4	20.3
40°	37.1	35.1	33.0	30.7	28.3	26.5	25.3	24.1	22.9	21.7	20.5
38.75°	38.1	36.0	33.9	31.6	29.2	26.9	25.7	24.5	23.3	22.1	20.8
37.5°	38.9	36.8	34.7	32.5	30.0	27.5	26.1	24.9	23.6	22.4	21.1
36.25°	40.0	37.7	35.5	33.3	30.8	28.3	26.5	25.2	23.9	22.7	21.4
35°	41.1	38.5	36.3	34.1	31.6	29.1	26.8	25.5	24.2	23.0	21.7



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	42.2	39.3	37.0	34.8	32.4	29.8	27.2	25.8	24.5	23.2	21.9
32.5°	43.2	40.3	37.8	35.5	33.1	30.5	27.9	26.2	24.8	23.5	22.2
31.25°	44.2	41.3	38.5	36.1	33.8	31.2	28.5	26.5	25.1	23.8	22.4
30°	45.2	42.2	39.2	36.8	34.4	31.8	29.1	26.8	25.4	24.0	22.7
28.75°	46.1	43.1	40.0	37.4	35.0	32.5	29.7	27.0	25.7	24.3	22.9
27.5°	46.9	43.9	40.8	38.0	35.6	33.1	30.3	27.5	25.9	24.5	23.1
26.25°	47.5	44.8	41.6	38.6	36.1	33.7	30.9	28.0	26.1	24.7	23.3
25°	48.2	45.5	42.4	39.2	36.7	34.2	31.4	28.5	26.4	24.9	23.5
23.75°	48.8	46.3	43.1	39.8	37.2	34.6	31.9	29.0	26.6	25.1	23.7
22.5°	49.4	46.9	43.8	40.5	37.6	35.1	32.4	29.5	26.8	25.3	23.9
21.25°	50.0	47.4	44.4	41.1	38.1	35.5	32.8	29.9	27.0	25.5	24.1
20°	50.5	47.9	45.0	41.7	38.5	35.9	33.3	30.3	27.3	25.7	24.2
18.75°	51.0	48.4	45.6	42.2	38.9	36.3	33.7	30.7	27.7	25.9	24.4
17.5°	51.5	48.8	46.2	42.8	39.4	36.6	34.0	31.0	28.0	26.0	24.5
16.25°	51.9	49.2	46.6	43.2	39.8	37.0	34.3	31.4	28.3	26.2	24.6
15°	52.3	49.6	47.0	43.7	40.2	37.3	34.6	31.7	28.6	26.3	24.8
13.75°	52.6	50.0	47.3	44.1	40.6	37.6	34.9	32.0	28.9	26.4	24.9
12.5°	52.9	50.3	47.6	44.5	41.0	37.8	35.1	32.2	29.1	26.6	25.0
11.25°	53.1	50.6	47.9	44.8	41.3	38.1	35.3	32.5	29.3	26.7	25.1
10°	53.4	50.9	48.1	45.1	41.6	38.3	35.5	32.7	29.5	26.7	25.2
8.75°	53.6	51.1	48.4	45.4	41.9	38.5	35.7	32.9	29.7	26.8	25.3
7.5°	53.8	51.3	48.6	45.6	42.1	38.6	35.9	33.0	29.9	26.9	25.3
6.25°	53.9	51.5	48.7	45.8	42.3	38.8	36.0	33.2	30.0	27.0	25.4
5°	54.1	51.6	48.9	46.0	42.4	38.9	36.1	33.3	30.1	27.0	25.4
3.75°	54.2	51.8	49.0	46.1	42.5	39.0	36.2	33.4	30.2	27.1	25.5
2.5°	54.2	51.8	49.0	46.2	42.6	39.0	36.3	33.4	30.3	27.1	25.5
1.25°	54.3	51.9	49.1	46.3	42.7	39.1	36.3	33.5	30.3	27.1	25.5
0°	54.3	51.9	49.1	46.3	42.7	39.1	36.3	33.5	30.3	27.1	25.5
-1.25°	54.3	51.9	49.1	46.3	42.7	39.1	36.3	33.5	30.3	27.1	25.5
-2.5°	54.2	51.8	49.0	46.2	42.6	39.0	36.3	33.4	30.3	27.1	25.5
-3.75°	54.2	51.8	49.0	46.1	42.5	39.0	36.2	33.4	30.2	27.1	25.5
-5°	54.1	51.6	48.9	46.0	42.4	38.9	36.1	33.3	30.1	27.0	25.4
-6.25°	53.9	51.5	48.7	45.8	42.3	38.8	36.0	33.2	30.0	27.0	25.4
-7.5°	53.8	51.3	48.6	45.6	42.1	38.6	35.9	33.0	29.9	26.9	25.3
-8.75°	53.6	51.1	48.4	45.4	41.9	38.5	35.7	32.9	29.7	26.8	25.3
-10°	53.4	50.9	48.1	45.1	41.6	38.3	35.5	32.7	29.5	26.7	25.2
-11.25°	53.1	50.6	47.9	44.8	41.3	38.1	35.3	32.5	29.3	26.7	25.1
-12.5°	52.9	50.3	47.6	44.5	41.0	37.8	35.1	32.2	29.1	26.6	25.0
-13.75°	52.6	50.0	47.3	44.1	40.6	37.6	34.9	32.0	28.9	26.4	24.9
-15°	52.3	49.6	47.0	43.7	40.2	37.3	34.6	31.7	28.6	26.3	24.8
-16.25°	51.9	49.2	46.6	43.2	39.8	37.0	34.3	31.4	28.3	26.2	24.6
-17.5°	51.5	48.8	46.2	42.8	39.4	36.6	34.0	31.0	28.0	26.0	24.5
-18.75°	51.0	48.4	45.6	42.2	38.9	36.3	33.7	30.7	27.7	25.9	24.4
-20°	50.5	47.9	45.0	41.7	38.5	35.9	33.3	30.3	27.3	25.7	24.2
-21.25°	50.0	47.4	44.4	41.1	38.1	35.5	32.8	29.9	27.0	25.5	24.1



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	49.4	46.9	43.8	40.5	37.6	35.1	32.4	29.5	26.8	25.3	23.9
-23.75°	48.8	46.3	43.1	39.8	37.2	34.6	31.9	29.0	26.6	25.1	23.7
-25°	48.2	45.5	42.4	39.2	36.7	34.2	31.4	28.5	26.4	24.9	23.5
-26.25°	47.5	44.8	41.6	38.6	36.1	33.7	30.9	28.0	26.1	24.7	23.3
-27.5°	46.9	43.9	40.8	38.0	35.6	33.1	30.3	27.5	25.9	24.5	23.1
-28.75°	46.1	43.1	40.0	37.4	35.0	32.5	29.7	27.0	25.7	24.3	22.9
-30°	45.2	42.2	39.2	36.8	34.4	31.8	29.1	26.8	25.4	24.0	22.7
-31.25°	44.2	41.3	38.5	36.1	33.8	31.2	28.5	26.5	25.1	23.8	22.4
-32.5°	43.2	40.3	37.8	35.5	33.1	30.5	27.9	26.2	24.8	23.5	22.2
-33.75°	42.2	39.3	37.0	34.8	32.4	29.8	27.2	25.8	24.5	23.2	21.9
-35°	41.1	38.5	36.3	34.1	31.6	29.1	26.8	25.5	24.2	23.0	21.7
-36.25°	40.0	37.7	35.5	33.3	30.8	28.3	26.5	25.2	23.9	22.7	21.4
-37.5°	38.9	36.8	34.7	32.5	30.0	27.5	26.1	24.9	23.6	22.4	21.1
-38.75°	38.1	36.0	33.9	31.6	29.2	26.9	25.7	24.5	23.3	22.1	20.8
-40°	37.1	35.1	33.0	30.7	28.3	26.5	25.3	24.1	22.9	21.7	20.5
-41.25°	36.2	34.2	32.0	29.7	27.4	26.1	24.9	23.8	22.6	21.4	20.3
-42.5°	35.2	33.3	31.0	28.8	26.8	25.7	24.5	23.4	22.2	21.1	20.0
-43.75°	34.2	32.2	30.0	27.8	26.3	25.2	24.1	23.0	21.9	20.8	19.7
-45°	33.2	31.1	29.0	27.0	25.9	24.8	23.7	22.6	21.5	20.4	19.4
-46.25°	32.0	30.0	27.9	26.5	25.4	24.3	23.3	22.2	21.1	20.1	19.0
-47.5°	30.8	28.8	27.0	25.9	24.9	23.9	22.8	21.8	20.8	19.7	18.7
-48.75°	29.6	27.7	26.4	25.4	24.4	23.4	22.4	21.4	20.4	19.4	18.4
-50°	28.4	26.8	25.8	24.9	23.9	22.9	21.9	21.0	20.0	19.0	18.0
-51.25°	27.2	26.2	25.3	24.3	23.4	22.4	21.5	20.5	19.6	18.7	17.7
-52.5°	26.5	25.6	24.7	23.8	22.9	21.9	21.0	20.1	19.2	18.3	17.3
-53.75°	25.9	25.0	24.1	23.2	22.3	21.4	20.5	19.7	18.8	17.9	16.8
-55°	25.2	24.4	23.5	22.7	21.8	20.9	20.1	19.2	18.4	17.5	16.4
-56.25°	24.5	23.7	22.9	22.1	21.2	20.4	19.6	18.8	18.0	17.0	15.9
-57.5°	23.9	23.1	22.3	21.5	20.7	19.9	19.1	18.3	17.5	16.5	15.4
-58.75°	23.2	22.4	21.7	20.9	20.2	19.4	18.6	17.9	17.0	16.0	15.0
-60°	22.5	21.8	21.1	20.3	19.6	18.9	18.1	17.4	16.4	15.4	14.5
-61.25°	21.8	21.1	20.4	19.7	19.1	18.4	17.6	16.7	15.8	14.9	14.0
-62.5°	21.1	20.5	19.8	19.2	18.5	17.8	17.0	16.1	15.3	14.4	13.5
-63.75°	20.4	19.8	19.2	18.6	17.9	17.2	16.4	15.5	14.7	13.8	12.9
-65°	19.7	19.2	18.6	18.0	17.3	16.5	15.7	14.9	14.1	13.2	12.2
-66.25°	19.1	18.5	17.9	17.3	16.5	15.8	15.0	14.3	13.5	12.6	11.6
-67.5°	18.4	17.8	17.2	16.5	15.8	15.1	14.4	13.6	12.8	11.9	11.0
-68.75°	17.6	17.0	16.4	15.7	15.0	14.4	13.7	12.9	12.0	11.2	10.4
-70°	16.7	16.1	15.5	14.9	14.3	13.6	12.9	12.1	11.3	10.5	9.7
-71.25°	15.8	15.3	14.7	14.1	13.5	12.8	12.0	11.3	10.6	9.8	9.1
-72.5°	14.9	14.4	13.8	13.2	12.6	11.9	11.2	10.5	9.8	9.2	8.5
-73.75°	14.0	13.5	12.9	12.2	11.6	11.0	10.4	9.7	9.1	8.5	7.8
-75°	12.9	12.4	11.8	11.3	10.7	10.1	9.5	9.0	8.4	7.8	7.2
-76.25°	11.8	11.3	10.8	10.3	9.7	9.2	8.7	8.2	7.6	7.1	6.5
-77.5°	10.7	10.2	9.7	9.3	8.8	8.3	7.8	7.4	6.9	6.4	5.9



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	9.5	9.1	8.7	8.3	7.9	7.4	7.0	6.5	6.1	5.7	5.2
-80°	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.5
-81.25°	7.3	6.9	6.6	6.3	5.9	5.6	5.3	4.9	4.6	4.2	3.9
-82.5°	6.1	5.8	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.6	3.3
-83.75°	5.0	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8
-85°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
-86.25°	2.9	2.8	2.7	2.5	2.4	2.3	2.2	2.1	1.9	1.8	1.7
-87.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
-88.75°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
87.5°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
86.25°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
85°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
83.75°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
82.5°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
81.25°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
80°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
78.75°	4.8	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
77.5°	5.4	4.9	4.4	3.9	3.4	3.0	2.6	2.2	1.7	1.3	0.9
76.25°	6.0	5.4	4.9	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.0
75°	6.6	6.0	5.4	4.8	4.1	3.6	3.1	2.6	2.1	1.6	1.0
73.75°	7.2	6.5	5.9	5.2	4.5	3.9	3.3	2.8	2.2	1.7	1.1
72.5°	7.8	7.1	6.4	5.7	4.9	4.2	3.6	3.0	2.4	1.8	1.2
71.25°	8.4	7.6	6.9	6.1	5.3	4.6	3.8	3.2	2.6	1.9	1.3
70°	9.0	8.2	7.4	6.5	5.7	4.9	4.1	3.4	2.7	2.1	1.4
68.75°	9.5	8.7	7.8	7.0	6.1	5.3	4.4	3.6	2.9	2.2	1.4
67.5°	10.1	9.2	8.3	7.4	6.5	5.6	4.7	3.8	3.1	2.3	1.5
66.25°	10.7	9.7	8.8	7.9	6.9	5.9	5.0	4.0	3.2	2.4	1.6
65°	11.3	10.3	9.3	8.3	7.3	6.3	5.3	4.3	3.4	2.5	1.7
63.75°	11.8	10.8	9.7	8.7	7.7	6.6	5.6	4.5	3.5	2.7	1.8
62.5°	12.4	11.3	10.2	9.1	8.0	6.9	5.8	4.7	3.7	2.8	1.8
61.25°	12.9	11.8	10.7	9.5	8.4	7.3	6.1	5.0	3.8	2.9	1.9
60°	13.5	12.3	11.1	9.9	8.8	7.6	6.4	5.2	4.0	3.0	2.0
58.75°	13.9	12.8	11.6	10.4	9.1	7.9	6.7	5.4	4.2	3.1	2.1
57.5°	14.4	13.3	12.0	10.8	9.5	8.2	6.9	5.6	4.4	3.2	2.1
56.25°	14.8	13.7	12.5	11.1	9.8	8.5	7.2	5.9	4.5	3.3	2.2
55°	15.3	14.1	12.9	11.5	10.2	8.8	7.4	6.1	4.7	3.4	2.3
53.75°	15.7	14.5	13.3	11.9	10.5	9.1	7.7	6.3	4.9	3.5	2.4
52.5°	16.1	14.9	13.7	12.3	10.9	9.4	8.0	6.5	5.0	3.7	2.4
51.25°	16.5	15.3	14.1	12.7	11.2	9.7	8.2	6.7	5.2	3.8	2.5
50°	16.9	15.7	14.4	13.0	11.5	10.0	8.4	6.9	5.4	3.9	2.6
48.75°	17.3	16.0	14.7	13.4	11.8	10.3	8.7	7.1	5.5	4.0	2.6
47.5°	17.7	16.4	15.1	13.7	12.1	10.5	8.9	7.3	5.7	4.1	2.7
46.25°	18.0	16.7	15.4	14.0	12.4	10.8	9.1	7.5	5.8	4.2	2.8
45°	18.3	17.1	15.7	14.3	12.7	11.1	9.4	7.7	6.0	4.3	2.8
43.75°	18.6	17.4	16.0	14.6	13.0	11.3	9.6	7.9	6.1	4.4	2.9
42.5°	18.8	17.7	16.3	14.8	13.3	11.6	9.8	8.0	6.3	4.5	2.9
41.25°	19.1	18.0	16.6	15.1	13.6	11.8	10.0	8.2	6.4	4.6	3.0
40°	19.4	18.2	16.9	15.4	13.8	12.0	10.2	8.4	6.6	4.7	3.1
38.75°	19.6	18.4	17.1	15.6	14.1	12.3	10.4	8.6	6.7	4.8	3.1
37.5°	19.9	18.7	17.4	15.8	14.3	12.5	10.6	8.7	6.8	4.9	3.2
36.25°	20.1	18.9	17.7	16.1	14.5	12.7	10.8	8.9	6.9	5.0	3.2
35°	20.4	19.1	17.9	16.3	14.7	12.9	11.0	9.0	7.1	5.1	3.3



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	20.6	19.3	18.1	16.5	14.9	13.2	11.2	9.2	7.2	5.2	3.3
32.5°	20.8	19.5	18.2	16.8	15.1	13.4	11.3	9.3	7.3	5.3	3.4
31.25°	21.1	19.7	18.4	17.0	15.3	13.5	11.5	9.5	7.4	5.4	3.4
30°	21.3	19.9	18.6	17.2	15.4	13.7	11.7	9.6	7.5	5.4	3.5
28.75°	21.5	20.1	18.8	17.4	15.6	13.9	11.8	9.7	7.6	5.5	3.5
27.5°	21.7	20.3	18.9	17.5	15.8	14.0	12.0	9.8	7.7	5.6	3.5
26.25°	21.9	20.5	19.1	17.7	15.9	14.1	12.1	10.0	7.8	5.7	3.6
25°	22.1	20.6	19.2	17.8	16.1	14.3	12.2	10.1	7.9	5.7	3.6
23.75°	22.2	20.8	19.4	18.0	16.2	14.4	12.4	10.2	8.0	5.8	3.7
22.5°	22.4	20.9	19.5	18.1	16.4	14.5	12.5	10.3	8.1	5.9	3.7
21.25°	22.6	21.1	19.6	18.2	16.5	14.6	12.6	10.4	8.1	5.9	3.7
20°	22.7	21.2	19.8	18.3	16.6	14.7	12.7	10.5	8.2	6.0	3.8
18.75°	22.9	21.3	19.9	18.4	16.7	14.9	12.8	10.6	8.3	6.0	3.8
17.5°	23.0	21.5	20.0	18.5	16.9	14.9	12.9	10.6	8.4	6.1	3.8
16.25°	23.1	21.6	20.1	18.6	17.0	15.0	13.0	10.7	8.4	6.1	3.8
15°	23.2	21.7	20.2	18.7	17.0	15.1	13.1	10.8	8.5	6.2	3.9
13.75°	23.3	21.8	20.2	18.7	17.1	15.2	13.2	10.9	8.5	6.2	3.9
12.5°	23.4	21.9	20.3	18.8	17.2	15.3	13.3	10.9	8.6	6.2	3.9
11.25°	23.5	22.0	20.4	18.9	17.3	15.3	13.3	11.0	8.6	6.3	3.9
10°	23.6	22.0	20.5	18.9	17.4	15.4	13.4	11.0	8.7	6.3	3.9
8.75°	23.7	22.1	20.5	19.0	17.4	15.4	13.4	11.1	8.7	6.3	4.0
7.5°	23.7	22.1	20.6	19.0	17.5	15.5	13.5	11.1	8.7	6.3	4.0
6.25°	23.8	22.2	20.6	19.1	17.5	15.5	13.5	11.1	8.7	6.4	4.0
5°	23.8	22.2	20.6	19.1	17.5	15.5	13.5	11.2	8.8	6.4	4.0
3.75°	23.9	22.3	20.7	19.1	17.6	15.6	13.6	11.2	8.8	6.4	4.0
2.5°	23.9	22.3	20.7	19.1	17.6	15.6	13.6	11.2	8.8	6.4	4.0
1.25°	23.9	22.3	20.7	19.1	17.6	15.6	13.6	11.2	8.8	6.4	4.0
0°	23.9	22.3	20.7	19.2	17.6	15.6	13.6	11.2	8.8	6.4	4.0
-1.25°	23.9	22.3	20.7	19.1	17.6	15.6	13.6	11.2	8.8	6.4	4.0
-2.5°	23.9	22.3	20.7	19.1	17.6	15.6	13.6	11.2	8.8	6.4	4.0
-3.75°	23.9	22.3	20.7	19.1	17.6	15.6	13.6	11.2	8.8	6.4	4.0
-5°	23.8	22.2	20.6	19.1	17.5	15.5	13.5	11.2	8.8	6.4	4.0
-6.25°	23.8	22.2	20.6	19.1	17.5	15.5	13.5	11.1	8.7	6.4	4.0
-7.5°	23.7	22.1	20.6	19.0	17.5	15.5	13.5	11.1	8.7	6.3	4.0
-8.75°	23.7	22.1	20.5	19.0	17.4	15.4	13.4	11.1	8.7	6.3	4.0
-10°	23.6	22.0	20.5	18.9	17.4	15.4	13.4	11.0	8.7	6.3	3.9
-11.25°	23.5	22.0	20.4	18.9	17.3	15.3	13.3	11.0	8.6	6.3	3.9
-12.5°	23.4	21.9	20.3	18.8	17.2	15.3	13.3	10.9	8.6	6.2	3.9
-13.75°	23.3	21.8	20.2	18.7	17.1	15.2	13.2	10.9	8.5	6.2	3.9
-15°	23.2	21.7	20.2	18.7	17.0	15.1	13.1	10.8	8.5	6.2	3.9
-16.25°	23.1	21.6	20.1	18.6	17.0	15.0	13.0	10.7	8.4	6.1	3.8
-17.5°	23.0	21.5	20.0	18.5	16.9	14.9	12.9	10.6	8.4	6.1	3.8
-18.75°	22.9	21.3	19.9	18.4	16.7	14.9	12.8	10.6	8.3	6.0	3.8
-20°	22.7	21.2	19.8	18.3	16.6	14.7	12.7	10.5	8.2	6.0	3.8
-21.25°	22.6	21.1	19.6	18.2	16.5	14.6	12.6	10.4	8.1	5.9	3.7



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	22.4	20.9	19.5	18.1	16.4	14.5	12.5	10.3	8.1	5.9	3.7
-23.75°	22.2	20.8	19.4	18.0	16.2	14.4	12.4	10.2	8.0	5.8	3.7
-25°	22.1	20.6	19.2	17.8	16.1	14.3	12.2	10.1	7.9	5.7	3.6
-26.25°	21.9	20.5	19.1	17.7	15.9	14.1	12.1	10.0	7.8	5.7	3.6
-27.5°	21.7	20.3	18.9	17.5	15.8	14.0	12.0	9.8	7.7	5.6	3.5
-28.75°	21.5	20.1	18.8	17.4	15.6	13.9	11.8	9.7	7.6	5.5	3.5
-30°	21.3	19.9	18.6	17.2	15.4	13.7	11.7	9.6	7.5	5.4	3.5
-31.25°	21.1	19.7	18.4	17.0	15.3	13.5	11.5	9.5	7.4	5.4	3.4
-32.5°	20.8	19.5	18.2	16.8	15.1	13.4	11.3	9.3	7.3	5.3	3.4
-33.75°	20.6	19.3	18.1	16.5	14.9	13.2	11.2	9.2	7.2	5.2	3.3
-35°	20.4	19.1	17.9	16.3	14.7	12.9	11.0	9.0	7.1	5.1	3.3
-36.25°	20.1	18.9	17.7	16.1	14.5	12.7	10.8	8.9	6.9	5.0	3.2
-37.5°	19.9	18.7	17.4	15.8	14.3	12.5	10.6	8.7	6.8	4.9	3.2
-38.75°	19.6	18.4	17.1	15.6	14.1	12.3	10.4	8.6	6.7	4.8	3.1
-40°	19.4	18.2	16.9	15.4	13.8	12.0	10.2	8.4	6.6	4.7	3.1
-41.25°	19.1	18.0	16.6	15.1	13.6	11.8	10.0	8.2	6.4	4.6	3.0
-42.5°	18.8	17.7	16.3	14.8	13.3	11.6	9.8	8.0	6.3	4.5	2.9
-43.75°	18.6	17.4	16.0	14.6	13.0	11.3	9.6	7.9	6.1	4.4	2.9
-45°	18.3	17.1	15.7	14.3	12.7	11.1	9.4	7.7	6.0	4.3	2.8
-46.25°	18.0	16.7	15.4	14.0	12.4	10.8	9.1	7.5	5.8	4.2	2.8
-47.5°	17.7	16.4	15.1	13.7	12.1	10.5	8.9	7.3	5.7	4.1	2.7
-48.75°	17.3	16.0	14.7	13.4	11.8	10.3	8.7	7.1	5.5	4.0	2.6
-50°	16.9	15.7	14.4	13.0	11.5	10.0	8.4	6.9	5.4	3.9	2.6
-51.25°	16.5	15.3	14.1	12.7	11.2	9.7	8.2	6.7	5.2	3.8	2.5
-52.5°	16.1	14.9	13.7	12.3	10.9	9.4	8.0	6.5	5.0	3.7	2.4
-53.75°	15.7	14.5	13.3	11.9	10.5	9.1	7.7	6.3	4.9	3.5	2.4
-55°	15.3	14.1	12.9	11.5	10.2	8.8	7.4	6.1	4.7	3.4	2.3
-56.25°	14.8	13.7	12.5	11.1	9.8	8.5	7.2	5.9	4.5	3.3	2.2
-57.5°	14.4	13.3	12.0	10.8	9.5	8.2	6.9	5.6	4.4	3.2	2.1
-58.75°	13.9	12.8	11.6	10.4	9.1	7.9	6.7	5.4	4.2	3.1	2.1
-60°	13.5	12.3	11.1	9.9	8.8	7.6	6.4	5.2	4.0	3.0	2.0
-61.25°	12.9	11.8	10.7	9.5	8.4	7.3	6.1	5.0	3.8	2.9	1.9
-62.5°	12.4	11.3	10.2	9.1	8.0	6.9	5.8	4.7	3.7	2.8	1.8
-63.75°	11.8	10.8	9.7	8.7	7.7	6.6	5.6	4.5	3.5	2.7	1.8
-65°	11.3	10.3	9.3	8.3	7.3	6.3	5.3	4.3	3.4	2.5	1.7
-66.25°	10.7	9.7	8.8	7.9	6.9	5.9	5.0	4.0	3.2	2.4	1.6
-67.5°	10.1	9.2	8.3	7.4	6.5	5.6	4.7	3.8	3.1	2.3	1.5
-68.75°	9.5	8.7	7.8	7.0	6.1	5.3	4.4	3.6	2.9	2.2	1.4
-70°	9.0	8.2	7.4	6.5	5.7	4.9	4.1	3.4	2.7	2.1	1.4
-71.25°	8.4	7.6	6.9	6.1	5.3	4.6	3.8	3.2	2.6	1.9	1.3
-72.5°	7.8	7.1	6.4	5.7	4.9	4.2	3.6	3.0	2.4	1.8	1.2
-73.75°	7.2	6.5	5.9	5.2	4.5	3.9	3.3	2.8	2.2	1.7	1.1
-75°	6.6	6.0	5.4	4.8	4.1	3.6	3.1	2.6	2.1	1.6	1.0
-76.25°	6.0	5.4	4.9	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.0
-77.5°	5.4	4.9	4.4	3.9	3.4	3.0	2.6	2.2	1.7	1.3	0.9



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	4.8	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
-80°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-81.25°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-82.5°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-83.75°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
-85°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
-86.25°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-87.5°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
-88.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	1.7	0.0
32.5°	1.7	0.0
31.25°	1.7	0.0
30°	1.7	0.0
28.75°	1.8	0.0
27.5°	1.8	0.0
26.25°	1.8	0.0
25°	1.8	0.0
23.75°	1.8	0.0
22.5°	1.8	0.0
21.25°	1.9	0.0
20°	1.9	0.0
18.75°	1.9	0.0
17.5°	1.9	0.0
16.25°	1.9	0.0
15°	1.9	0.0
13.75°	1.9	0.0
12.5°	2.0	0.0
11.25°	2.0	0.0
10°	2.0	0.0
8.75°	2.0	0.0
7.5°	2.0	0.0
6.25°	2.0	0.0
5°	2.0	0.0
3.75°	2.0	0.0
2.5°	2.0	0.0
1.25°	2.0	0.0
0°	2.0	0.0
-1.25°	2.0	0.0
-2.5°	2.0	0.0
-3.75°	2.0	0.0
-5°	2.0	0.0
-6.25°	2.0	0.0
-7.5°	2.0	0.0
-8.75°	2.0	0.0
-10°	2.0	0.0
-11.25°	2.0	0.0
-12.5°	2.0	0.0
-13.75°	1.9	0.0
-15°	1.9	0.0
-16.25°	1.9	0.0
-17.5°	1.9	0.0
-18.75°	1.9	0.0
-20°	1.9	0.0
-21.25°	1.9	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.8	0.0
-23.75°	1.8	0.0
-25°	1.8	0.0
-26.25°	1.8	0.0
-27.5°	1.8	0.0
-28.75°	1.8	0.0
-30°	1.7	0.0
-31.25°	1.7	0.0
-32.5°	1.7	0.0
-33.75°	1.7	0.0
-35°	1.6	0.0
-36.25°	1.6	0.0
-37.5°	1.6	0.0
-38.75°	1.6	0.0
-40°	1.5	0.0
-41.25°	1.5	0.0
-42.5°	1.5	0.0
-43.75°	1.4	0.0
-45°	1.4	0.0
-46.25°	1.4	0.0
-47.5°	1.4	0.0
-48.75°	1.3	0.0
-50°	1.3	0.0
-51.25°	1.3	0.0
-52.5°	1.2	0.0
-53.75°	1.2	0.0
-55°	1.1	0.0
-56.25°	1.1	0.0
-57.5°	1.1	0.0
-58.75°	1.0	0.0
-60°	1.0	0.0
-61.25°	1.0	0.0
-62.5°	0.9	0.0
-63.75°	0.9	0.0
-65°	0.8	0.0
-66.25°	0.8	0.0
-67.5°	0.8	0.0
-68.75°	0.7	0.0
-70°	0.7	0.0
-71.25°	0.6	0.0
-72.5°	0.6	0.0
-73.75°	0.6	0.0
-75°	0.5	0.0
-76.25°	0.5	0.0
-77.5°	0.4	0.0



REPORT NUMBER: P220494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)