

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: P221128 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED CR-F-WT-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221128 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29544)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED CR-F-WT-LC1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

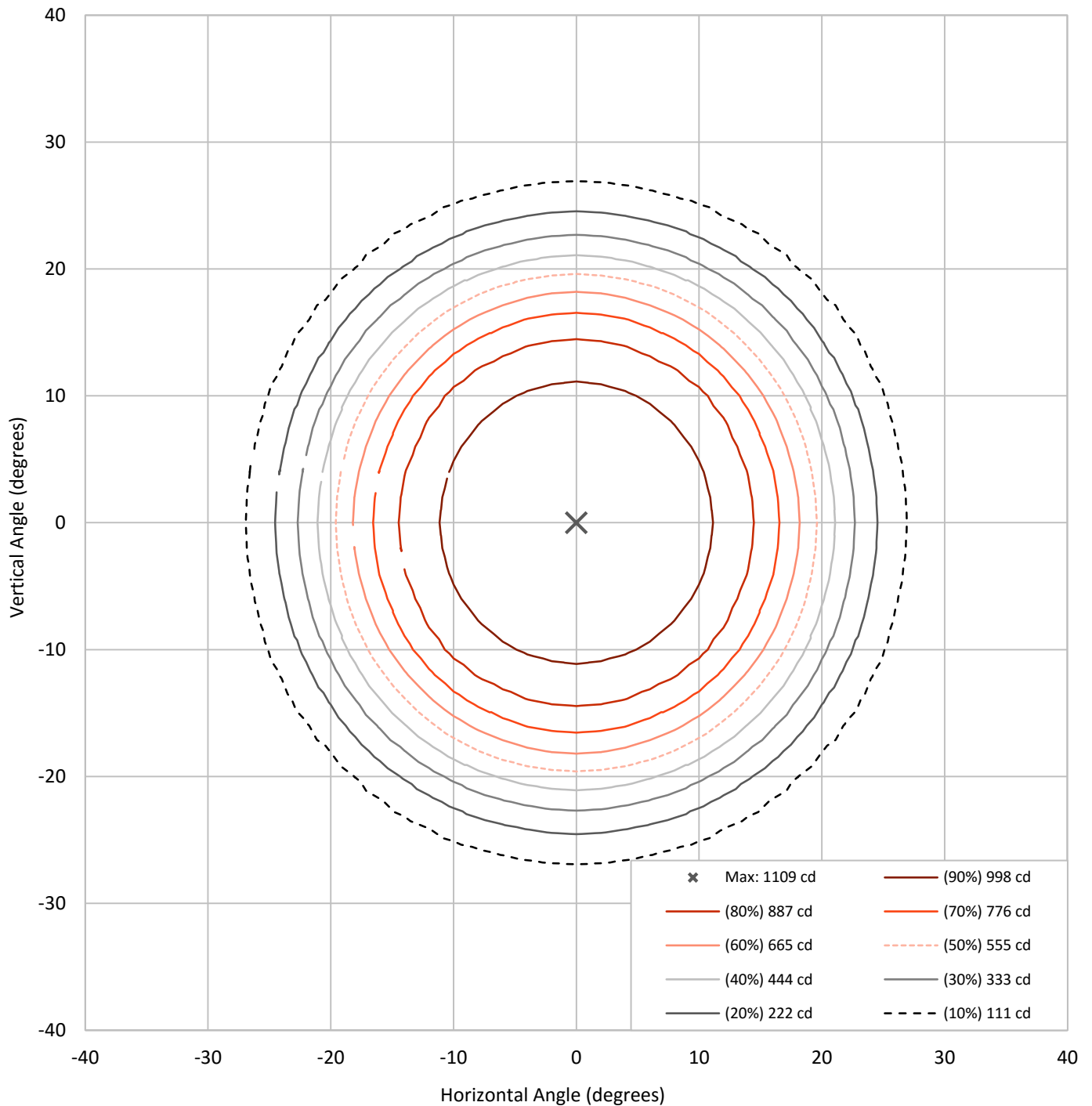
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	488.3 lumens	Max Intensity:	1109 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	34.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	39.2°H x 39.2°V	Field Angle (10%):	53.6°H x 53.6°V
Beam Lumens:	319.6 lumens	Field Lumens:	415.1 lumens
Beam Efficiency:	65.5%	Field Efficiency:	85.0%
Input Watts (W):	14.3		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





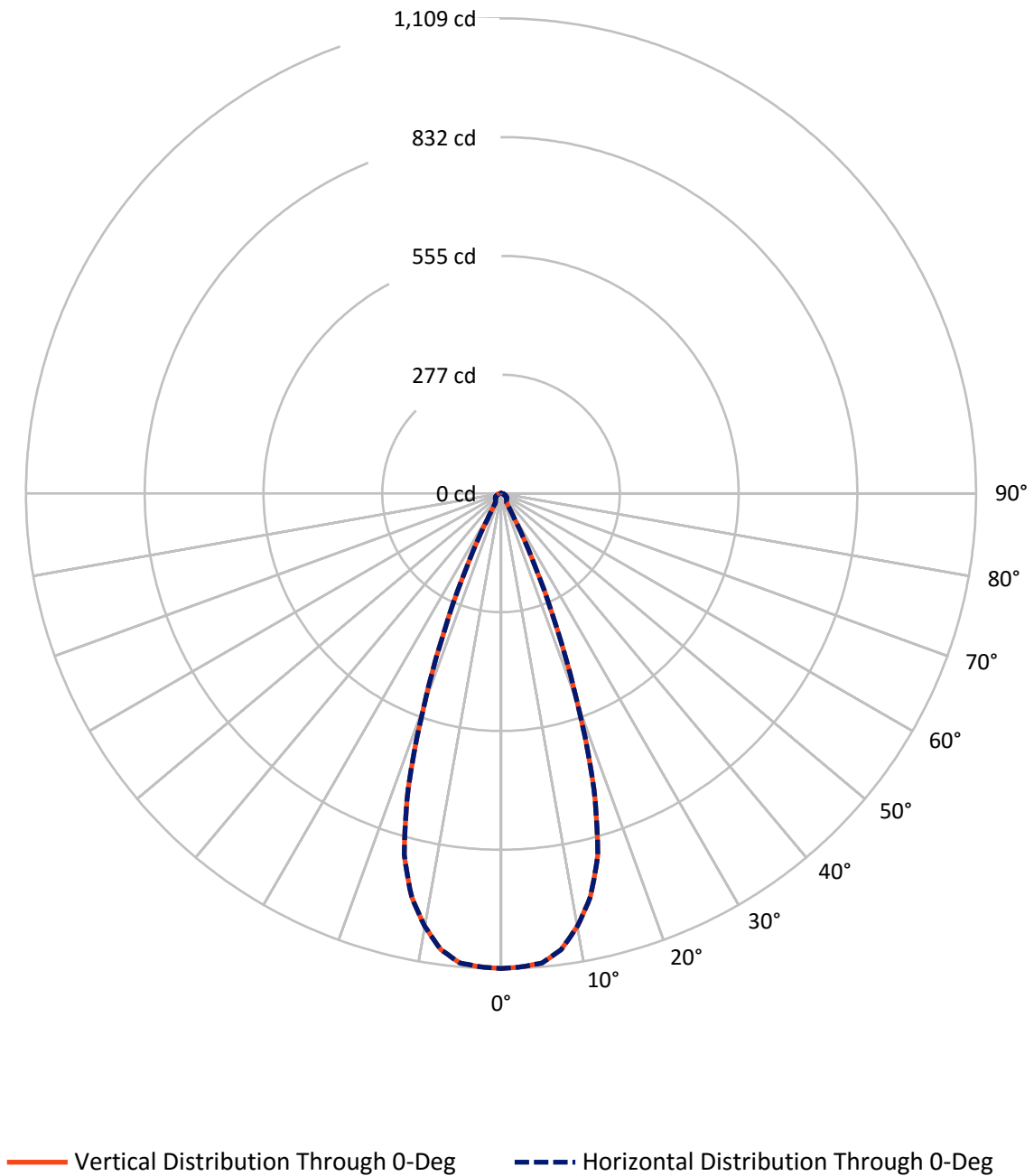
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Lumen Table

90	0.0	0.1	0.3	0.5	0.6	0.5	0.3	0.1	0.0										
80	0.0	0.1	0.3	0.5	0.6	0.5	0.3	0.1	0.0										
70	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1			
60		0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1				
50	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.1			
40		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1				
30	0.1	0.1	0.3	0.4	0.5	0.6	2.2	5.8	5.8	2.2	0.6	0.5	0.4	0.3	0.1	0.1			
20		0.1	0.3	0.4	0.5	2.1	13.0	23.6	23.6	13.0	2.1	0.5	0.4	0.3	0.1				
10	0.1	0.1	0.3	0.4	0.6	5.3	22.9	32.0	32.0	22.9	5.3	0.6	0.4	0.3	0.1	0.1			
0		0.1	0.3	0.4	0.6	5.3	22.9	32.0	32.0	22.9	5.3	0.6	0.4	0.3	0.1				
-10	0.1	0.1	0.3	0.4	0.6	5.3	22.9	32.0	32.0	22.9	5.3	0.6	0.4	0.3	0.1	0.1			
-20		0.1	0.3	0.4	0.5	2.1	13.0	23.6	23.6	13.0	2.1	0.5	0.4	0.3	0.1				
-30	0.1	0.1	0.3	0.4	0.5	0.6	2.2	5.8	5.8	2.2	0.6	0.5	0.4	0.3	0.1	0.1			
-40		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1				
-50	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.1			
-60		0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1				
-70	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1			
-80		0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1				
-90	0.0	0.1	0.3	0.5	0.6	0.5	0.3	0.1	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

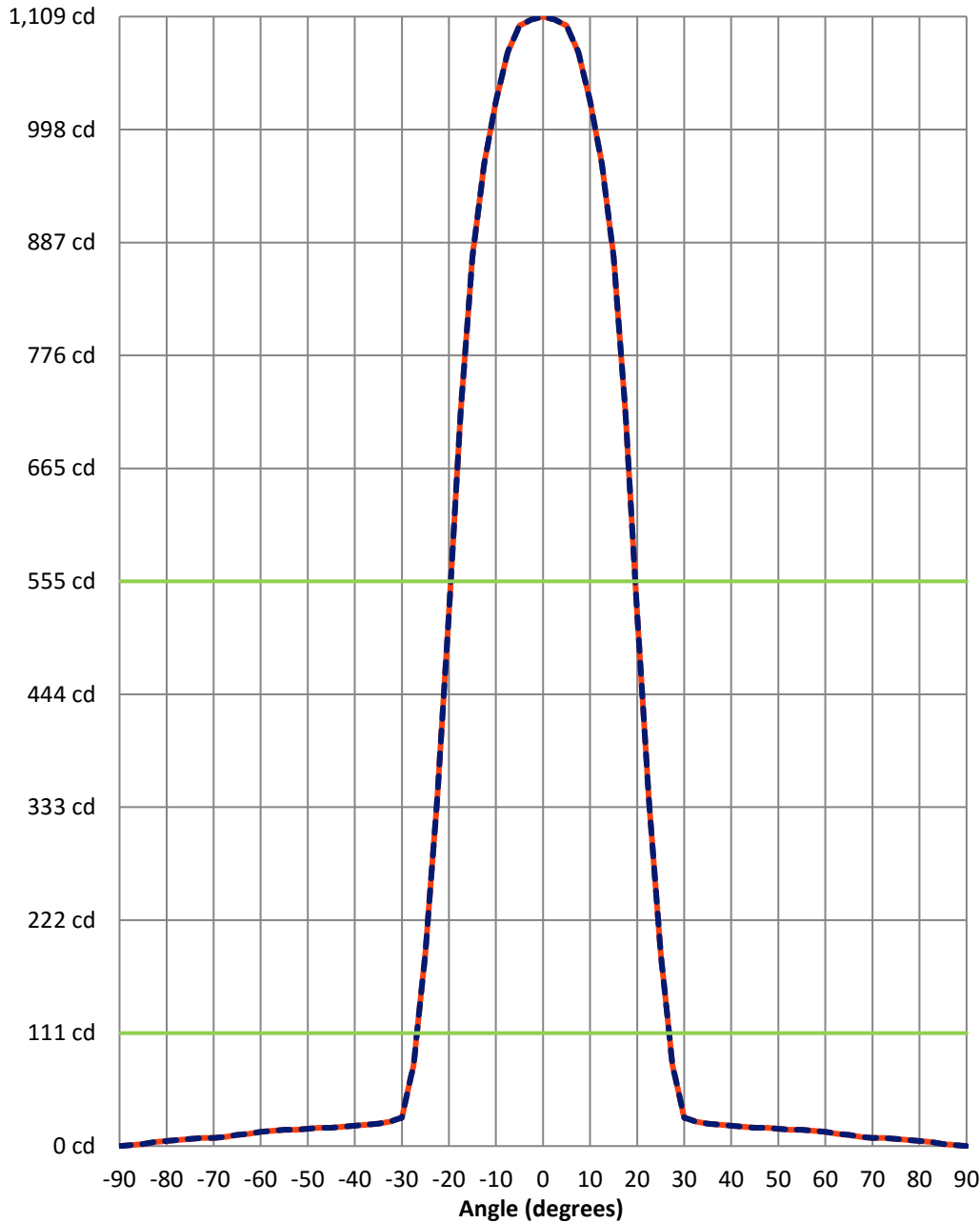
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED CR-F-WT-LC1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 39.2°
 V Angle: 39.2°
 Lumens: 319.6
 Efficiency: 65.5%

Field:
 H Angle: 53.6°
 V Angle: 53.6°
 Lumens: 415.1
 Efficiency: 85.0%

Spill:
 Lumens: 73.2
 Efficiency: 15.0%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
85°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
82.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
80°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.2
75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.5	3.0
72.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.2	2.7	3.3	3.8
70°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.7	3.4	4.0	4.3
67.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.5	3.3	4.0	4.4	4.7
65°	0.0	0.4	0.8	1.3	1.7	2.2	3.0	3.8	4.3	4.7	5.1
62.5°	0.0	0.5	0.9	1.4	1.8	2.6	3.5	4.2	4.6	5.1	5.5
60°	0.0	0.5	1.0	1.5	2.0	3.0	3.9	4.5	4.9	5.4	5.9
57.5°	0.0	0.5	1.1	1.6	2.3	3.3	4.2	4.7	5.2	5.7	6.2
55°	0.0	0.6	1.1	1.7	2.6	3.7	4.4	5.0	5.5	6.1	6.6
52.5°	0.0	0.6	1.2	1.8	2.9	4.0	4.6	5.2	5.8	6.4	7.0
50°	0.0	0.6	1.3	1.9	3.1	4.2	4.8	5.5	6.1	6.7	7.3
47.5°	0.0	0.7	1.4	2.0	3.4	4.4	5.0	5.7	6.3	7.0	7.6
45°	0.0	0.7	1.4	2.2	3.6	4.5	5.2	5.9	6.6	7.3	8.0
42.5°	0.0	0.7	1.5	2.4	3.9	4.7	5.4	6.1	6.8	7.6	8.0
40°	0.0	0.8	1.5	2.6	4.1	4.8	5.6	6.3	7.1	7.8	8.0
37.5°	0.0	0.8	1.6	2.8	4.2	5.0	5.7	6.5	7.3	8.0	8.0
35°	0.0	0.8	1.6	2.9	4.3	5.1	5.9	6.7	7.5	8.0	8.1
32.5°	0.0	0.8	1.7	3.1	4.4	5.2	6.0	6.9	7.7	8.0	8.4
30°	0.0	0.9	1.7	3.2	4.5	5.3	6.2	7.0	7.9	8.0	8.6
27.5°	0.0	0.9	1.8	3.3	4.5	5.4	6.3	7.2	8.0	8.0	8.8
25°	0.0	0.9	1.8	3.4	4.6	5.5	6.4	7.3	8.0	8.1	9.0
22.5°	0.0	0.9	1.8	3.5	4.7	5.6	6.5	7.5	8.0	8.3	9.4
20°	0.0	0.9	1.9	3.6	4.8	5.7	6.6	7.6	8.0	8.4	9.7
17.5°	0.0	1.0	1.9	3.7	4.8	5.8	6.7	7.7	8.0	8.6	10.0
15°	0.0	1.0	1.9	3.8	4.9	5.8	6.8	7.8	8.0	8.7	10.3
12.5°	0.0	1.0	2.0	3.9	4.9	5.9	6.9	7.8	8.0	8.8	10.5
10°	0.0	1.0	2.0	3.9	4.9	5.9	6.9	7.9	8.0	8.9	10.7
7.5°	0.0	1.0	2.0	3.9	5.0	6.0	6.9	7.9	8.0	8.9	10.8
5°	0.0	1.0	2.0	4.0	5.0	6.0	7.0	8.0	8.0	9.0	10.9
2.5°	0.0	1.0	2.0	4.0	5.0	6.0	7.0	8.0	8.0	9.0	11.0
0°	0.0	1.0	2.0	4.0	5.0	6.0	7.0	8.0	8.0	9.0	11.0
-2.5°	0.0	1.0	2.0	4.0	5.0	6.0	7.0	8.0	8.0	9.0	11.0
-5°	0.0	1.0	2.0	4.0	5.0	6.0	7.0	8.0	8.0	9.0	10.9
-7.5°	0.0	1.0	2.0	3.9	5.0	6.0	6.9	7.9	8.0	8.9	10.8
-10°	0.0	1.0	2.0	3.9	4.9	5.9	6.9	7.9	8.0	8.9	10.7
-12.5°	0.0	1.0	2.0	3.9	4.9	5.9	6.9	7.8	8.0	8.8	10.5
-15°	0.0	1.0	1.9	3.8	4.9	5.8	6.8	7.8	8.0	8.7	10.3
-17.5°	0.0	1.0	1.9	3.7	4.8	5.8	6.7	7.7	8.0	8.6	10.0
-20°	0.0	0.9	1.9	3.6	4.8	5.7	6.6	7.6	8.0	8.4	9.7



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED CR-F-WT-LC1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.9	1.8	3.5	4.7	5.6	6.5	7.5	8.0	8.3	9.4
-25°	0.0	0.9	1.8	3.4	4.6	5.5	6.4	7.3	8.0	8.1	9.0
-27.5°	0.0	0.9	1.8	3.3	4.5	5.4	6.3	7.2	8.0	8.0	8.8
-30°	0.0	0.9	1.7	3.2	4.5	5.3	6.2	7.0	7.9	8.0	8.6
-32.5°	0.0	0.8	1.7	3.1	4.4	5.2	6.0	6.9	7.7	8.0	8.4
-35°	0.0	0.8	1.6	2.9	4.3	5.1	5.9	6.7	7.5	8.0	8.1
-37.5°	0.0	0.8	1.6	2.8	4.2	5.0	5.7	6.5	7.3	8.0	8.0
-40°	0.0	0.8	1.5	2.6	4.1	4.8	5.6	6.3	7.1	7.8	8.0
-42.5°	0.0	0.7	1.5	2.4	3.9	4.7	5.4	6.1	6.8	7.6	8.0
-45°	0.0	0.7	1.4	2.2	3.6	4.5	5.2	5.9	6.6	7.3	8.0
-47.5°	0.0	0.7	1.4	2.0	3.4	4.4	5.0	5.7	6.3	7.0	7.6
-50°	0.0	0.6	1.3	1.9	3.1	4.2	4.8	5.5	6.1	6.7	7.3
-52.5°	0.0	0.6	1.2	1.8	2.9	4.0	4.6	5.2	5.8	6.4	7.0
-55°	0.0	0.6	1.1	1.7	2.6	3.7	4.4	5.0	5.5	6.1	6.6
-57.5°	0.0	0.5	1.1	1.6	2.3	3.3	4.2	4.7	5.2	5.7	6.2
-60°	0.0	0.5	1.0	1.5	2.0	3.0	3.9	4.5	4.9	5.4	5.9
-62.5°	0.0	0.5	0.9	1.4	1.8	2.6	3.5	4.2	4.6	5.1	5.5
-65°	0.0	0.4	0.8	1.3	1.7	2.2	3.0	3.8	4.3	4.7	5.1
-67.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.5	3.3	4.0	4.4	4.7
-70°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.7	3.4	4.0	4.3
-72.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.2	2.7	3.3	3.8
-75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.5	3.0
-77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.2
-80°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-82.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
-85°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
-87.5°	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



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
85°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.2	2.4	2.6	2.8
80°	1.8	2.0	2.3	2.6	2.9	3.1	3.4	3.6	3.9	4.1	4.2
77.5°	2.6	3.0	3.3	3.7	4.0	4.2	4.4	4.5	4.7	4.8	5.0
75°	3.5	3.9	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.7
72.5°	4.2	4.5	4.7	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.5
70°	4.6	4.9	5.2	5.5	5.8	6.1	6.3	6.6	6.8	7.1	7.3
67.5°	5.1	5.4	5.7	6.1	6.4	6.7	7.0	7.3	7.6	7.8	8.0
65°	5.5	5.9	6.2	6.6	7.0	7.3	7.6	8.0	8.0	8.0	8.0
62.5°	5.9	6.3	6.7	7.1	7.5	7.9	8.0	8.0	8.0	8.3	8.6
60°	6.3	6.8	7.2	7.7	8.0	8.0	8.0	8.3	8.7	9.0	9.7
57.5°	6.7	7.2	7.7	8.0	8.0	8.1	8.5	8.9	9.7	10.4	11.1
55°	7.1	7.7	8.0	8.0	8.2	8.7	9.2	10.1	11.0	11.4	11.8
52.5°	7.5	8.0	8.0	8.2	8.7	9.4	10.4	11.2	11.7	12.2	13.1
50°	7.9	8.0	8.1	8.7	9.4	10.5	11.3	11.8	12.6	13.6	14.3
47.5°	8.0	8.0	8.5	9.2	10.4	11.3	11.9	12.8	13.9	14.5	15.0
45°	8.0	8.3	8.9	10.1	11.2	11.8	12.8	14.0	14.6	15.1	15.6
42.5°	8.0	8.7	9.7	11.0	11.7	12.6	13.9	14.6	15.2	15.8	16.0
40°	8.3	9.0	10.4	11.4	12.2	13.6	14.5	15.1	15.8	16.0	16.0
37.5°	8.6	9.7	11.1	11.8	13.1	14.3	15.0	15.6	16.0	16.0	16.6
35°	8.9	10.3	11.4	12.4	13.9	14.7	15.4	16.0	16.0	16.5	17.2
32.5°	9.3	11.0	11.8	13.1	14.4	15.1	15.9	16.0	16.4	17.1	17.8
30°	9.9	11.3	12.2	13.8	14.7	15.5	16.0	16.1	16.9	17.6	18.0
27.5°	10.3	11.5	12.8	14.2	15.1	15.9	16.0	16.5	17.3	18.0	18.0
25°	10.8	11.8	13.3	14.5	15.4	16.0	16.1	16.9	17.8	18.0	18.4
22.5°	11.1	12.0	13.8	14.8	15.7	16.0	16.4	17.3	18.0	18.0	18.9
20°	11.3	12.4	14.1	15.0	16.0	16.0	16.8	17.7	18.0	18.4	19.3
17.5°	11.5	12.8	14.3	15.3	16.0	16.1	17.0	18.0	18.0	18.8	19.7
15°	11.6	13.1	14.5	15.5	16.0	16.4	17.3	18.0	18.2	19.1	20.0
12.5°	11.7	13.4	14.7	15.6	16.0	16.5	17.5	18.0	18.4	19.4	20.3
10°	11.8	13.6	14.8	15.8	16.0	16.7	17.7	18.0	18.6	19.6	20.6
7.5°	11.9	13.8	14.9	15.9	16.0	16.8	17.8	18.0	18.8	19.8	20.7
5°	12.0	13.9	14.9	15.9	16.0	16.9	17.9	18.0	18.9	19.9	20.9
2.5°	12.0	14.0	15.0	16.0	16.0	17.0	18.0	18.0	19.0	20.0	21.0
0°	12.0	14.0	15.0	16.0	16.0	17.0	18.0	18.0	19.0	20.0	21.0
-2.5°	12.0	14.0	15.0	16.0	16.0	17.0	18.0	18.0	19.0	20.0	21.0
-5°	12.0	13.9	14.9	15.9	16.0	16.9	17.9	18.0	18.9	19.9	20.9
-7.5°	11.9	13.8	14.9	15.9	16.0	16.8	17.8	18.0	18.8	19.8	20.7
-10°	11.8	13.6	14.8	15.8	16.0	16.7	17.7	18.0	18.6	19.6	20.6
-12.5°	11.7	13.4	14.7	15.6	16.0	16.5	17.5	18.0	18.4	19.4	20.3
-15°	11.6	13.1	14.5	15.5	16.0	16.4	17.3	18.0	18.2	19.1	20.0
-17.5°	11.5	12.8	14.3	15.3	16.0	16.1	17.0	18.0	18.0	18.8	19.7
-20°	11.3	12.4	14.1	15.0	16.0	16.0	16.8	17.7	18.0	18.4	19.3



REPORT NUMBER: P221128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCR-F-WT-LC1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	11.1	12.0	13.8	14.8	15.7	16.0	16.4	17.3	18.0	18.0	18.9
-25°	10.8	11.8	13.3	14.5	15.4	16.0	16.1	16.9	17.8	18.0	18.4
-27.5°	10.3	11.5	12.8	14.2	15.1	15.9	16.0	16.5	17.3	18.0	18.0
-30°	9.9	11.3	12.2	13.8	14.7	15.5	16.0	16.1	16.9	17.6	18.0
-32.5°	9.3	11.0	11.8	13.1	14.4	15.1	15.9	16.0	16.4	17.1	17.8
-35°	8.9	10.3	11.4	12.4	13.9	14.7	15.4	16.0	16.0	16.5	17.2
-37.5°	8.6	9.7	11.1	11.8	13.1	14.3	15.0	15.6	16.0	16.0	16.6
-40°	8.3	9.0	10.4	11.4	12.2	13.6	14.5	15.1	15.8	16.0	16.0
-42.5°	8.0	8.7	9.7	11.0	11.7	12.6	13.9	14.6	15.2	15.8	16.0
-45°	8.0	8.3	8.9	10.1	11.2	11.8	12.8	14.0	14.6	15.1	15.6
-47.5°	8.0	8.0	8.5	9.2	10.4	11.3	11.9	12.8	13.9	14.5	15.0
-50°	7.9	8.0	8.1	8.7	9.4	10.5	11.3	11.8	12.6	13.6	14.3
-52.5°	7.5	8.0	8.0	8.2	8.7	9.4	10.4	11.2	11.7	12.2	13.1
-55°	7.1	7.7	8.0	8.0	8.2	8.7	9.2	10.1	11.0	11.4	11.8
-57.5°	6.7	7.2	7.7	8.0	8.0	8.1	8.5	8.9	9.7	10.4	11.1
-60°	6.3	6.8	7.2	7.7	8.0	8.0	8.0	8.3	8.7	9.0	9.7
-62.5°	5.9	6.3	6.7	7.1	7.5	7.9	8.0	8.0	8.0	8.3	8.6
-65°	5.5	5.9	6.2	6.6	7.0	7.3	7.6	8.0	8.0	8.0	8.0
-67.5°	5.1	5.4	5.7	6.1	6.4	6.7	7.0	7.3	7.6	7.8	8.0
-70°	4.6	4.9	5.2	5.5	5.8	6.1	6.3	6.6	6.8	7.1	7.3
-72.5°	4.2	4.5	4.7	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.5
-75°	3.5	3.9	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.7
-77.5°	2.6	3.0	3.3	3.7	4.0	4.2	4.4	4.5	4.7	4.8	5.0
-80°	1.8	2.0	2.3	2.6	2.9	3.1	3.4	3.6	3.9	4.1	4.2
-82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.2	2.4	2.6	2.8
-85°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
-87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
85°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
82.5°	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9
80°	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.9	4.9
77.5°	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.8	5.9	5.9
75°	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.9
72.5°	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.7	7.8	7.8	7.9
70°	7.5	7.7	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
67.5°	8.0	8.0	8.0	8.0	8.1	8.3	8.4	8.6	8.7	8.8	8.9
65°	8.1	8.4	8.6	8.8	9.0	9.4	9.7	10.0	10.3	10.5	10.7
62.5°	8.9	9.3	9.9	10.3	10.8	11.1	11.3	11.5	11.6	11.7	11.8
60°	10.3	11.0	11.3	11.5	11.8	12.0	12.4	12.8	13.1	13.4	13.6
57.5°	11.4	11.8	12.2	12.8	13.3	13.8	14.1	14.3	14.5	14.7	14.8
55°	12.4	13.1	13.8	14.2	14.5	14.8	15.0	15.3	15.5	15.6	15.8
52.5°	13.9	14.4	14.7	15.1	15.4	15.7	16.0	16.0	16.0	16.0	16.0
50°	14.7	15.1	15.5	15.9	16.0	16.0	16.0	16.1	16.4	16.5	16.7
47.5°	15.4	15.9	16.0	16.0	16.1	16.4	16.8	17.0	17.3	17.5	17.7
45°	16.0	16.0	16.1	16.5	16.9	17.3	17.7	18.0	18.0	18.0	18.0
42.5°	16.0	16.4	16.9	17.3	17.8	18.0	18.0	18.0	18.2	18.4	18.6
40°	16.5	17.1	17.6	18.0	18.0	18.0	18.4	18.8	19.1	19.4	19.6
37.5°	17.2	17.8	18.0	18.0	18.4	18.9	19.3	19.7	20.0	20.3	20.6
35°	17.9	18.0	18.1	18.6	19.2	19.7	20.1	20.5	20.9	21.2	21.5
32.5°	18.0	18.1	18.8	19.4	19.9	20.5	21.0	21.4	21.8	22.3	22.9
30°	18.1	18.8	19.4	20.1	20.7	21.3	21.8	22.5	23.4	24.4	25.6
27.5°	18.6	19.4	20.1	20.8	21.4	22.0	23.2	24.4	26.3	28.0	38.5
25°	19.2	19.9	20.7	21.4	22.2	23.5	25.4	27.7	42.2	70.8	105.3
22.5°	19.7	20.5	21.3	22.0	23.5	25.8	31.0	57.9	104.6	161.0	217.6
20°	20.1	21.0	21.8	23.2	25.4	31.0	63.3	125.5	200.6	280.1	355.3
17.5°	20.5	21.4	22.5	24.4	27.7	57.9	125.5	215.5	313.9	416.8	516.9
15°	20.9	21.8	23.4	26.3	42.2	104.6	200.6	313.9	438.5	569.5	687.6
12.5°	21.2	22.3	24.4	28.0	70.8	161.0	280.1	416.8	569.5	713.3	823.2
10°	21.5	22.9	25.6	38.5	105.3	217.6	355.3	516.9	687.6	823.2	912.3
7.5°	21.7	23.4	26.7	53.2	138.7	267.7	423.0	605.6	774.2	892.9	965.2
5°	21.9	23.7	27.4	65.9	166.8	305.8	476.9	670.7	831.8	935.2	999.8
2.5°	22.0	23.9	27.8	76.4	184.2	331.3	511.4	708.6	862.5	957.4	1019.3
0°	22.0	24.0	28.0	80.0	190.0	340.0	523.0	721.0	873.0	964.5	1026.0
-2.5°	22.0	23.9	27.8	76.4	184.2	331.3	511.4	708.6	862.5	957.4	1019.3
-5°	21.9	23.7	27.4	65.9	166.8	305.8	476.9	670.7	831.8	935.2	999.8
-7.5°	21.7	23.4	26.7	53.2	138.7	267.7	423.0	605.6	774.2	892.9	965.2
-10°	21.5	22.9	25.6	38.5	105.3	217.6	355.3	516.9	687.6	823.2	912.3
-12.5°	21.2	22.3	24.4	28.0	70.8	161.0	280.1	416.8	569.5	713.3	823.2
-15°	20.9	21.8	23.4	26.3	42.2	104.6	200.6	313.9	438.5	569.5	687.6
-17.5°	20.5	21.4	22.5	24.4	27.7	57.9	125.5	215.5	313.9	416.8	516.9
-20°	20.1	21.0	21.8	23.2	25.4	31.0	63.3	125.5	200.6	280.1	355.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	19.7	20.5	21.3	22.0	23.5	25.8	31.0	57.9	104.6	161.0	217.6
-25°	19.2	19.9	20.7	21.4	22.2	23.5	25.4	27.7	42.2	70.8	105.3
-27.5°	18.6	19.4	20.1	20.8	21.4	22.0	23.2	24.4	26.3	28.0	38.5
-30°	18.1	18.8	19.4	20.1	20.7	21.3	21.8	22.5	23.4	24.4	25.6
-32.5°	18.0	18.1	18.8	19.4	19.9	20.5	21.0	21.4	21.8	22.3	22.9
-35°	17.9	18.0	18.1	18.6	19.2	19.7	20.1	20.5	20.9	21.2	21.5
-37.5°	17.2	17.8	18.0	18.0	18.4	18.9	19.3	19.7	20.0	20.3	20.6
-40°	16.5	17.1	17.6	18.0	18.0	18.0	18.4	18.8	19.1	19.4	19.6
-42.5°	16.0	16.4	16.9	17.3	17.8	18.0	18.0	18.0	18.2	18.4	18.6
-45°	16.0	16.0	16.1	16.5	16.9	17.3	17.7	18.0	18.0	18.0	18.0
-47.5°	15.4	15.9	16.0	16.0	16.1	16.4	16.8	17.0	17.3	17.5	17.7
-50°	14.7	15.1	15.5	15.9	16.0	16.0	16.0	16.1	16.4	16.5	16.7
-52.5°	13.9	14.4	14.7	15.1	15.4	15.7	16.0	16.0	16.0	16.0	16.0
-55°	12.4	13.1	13.8	14.2	14.5	14.8	15.0	15.3	15.5	15.6	15.8
-57.5°	11.4	11.8	12.2	12.8	13.3	13.8	14.1	14.3	14.5	14.7	14.8
-60°	10.3	11.0	11.3	11.5	11.8	12.0	12.4	12.8	13.1	13.4	13.6
-62.5°	8.9	9.3	9.9	10.3	10.8	11.1	11.3	11.5	11.6	11.7	11.8
-65°	8.1	8.4	8.6	8.8	9.0	9.4	9.7	10.0	10.3	10.5	10.7
-67.5°	8.0	8.0	8.0	8.0	8.1	8.3	8.4	8.6	8.7	8.8	8.9
-70°	7.5	7.7	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-72.5°	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.7	7.8	7.8	7.9
-75°	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.9
-77.5°	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.8	5.9	5.9
-80°	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.9	4.9
-82.5°	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9
-85°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
-87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
82.5°	3.9	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.7
80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.8
77.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8
75°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.7
72.5°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.8	7.7
70°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
67.5°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.6
65°	10.8	10.9	11.0	11.0	11.0	10.9	10.8	10.7	10.5	10.3	10.0
62.5°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.5
60°	13.8	13.9	14.0	14.0	14.0	13.9	13.8	13.6	13.4	13.1	12.8
57.5°	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.7	14.5	14.3
55°	15.9	15.9	16.0	16.0	16.0	15.9	15.9	15.8	15.6	15.5	15.3
52.5°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
50°	16.8	16.9	17.0	17.0	17.0	16.9	16.8	16.7	16.5	16.4	16.1
47.5°	17.8	17.9	18.0	18.0	18.0	17.9	17.8	17.7	17.5	17.3	17.0
45°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
42.5°	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.6	18.4	18.2	18.0
40°	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.6	19.4	19.1	18.8
37.5°	20.7	20.9	21.0	21.0	21.0	20.9	20.7	20.6	20.3	20.0	19.7
35°	21.7	21.9	22.0	22.0	22.0	21.9	21.7	21.5	21.2	20.9	20.5
32.5°	23.4	23.7	23.9	24.0	23.9	23.7	23.4	22.9	22.3	21.8	21.4
30°	26.7	27.4	27.8	28.0	27.8	27.4	26.7	25.6	24.4	23.4	22.5
27.5°	53.2	65.9	76.4	80.0	76.4	65.9	53.2	38.5	28.0	26.3	24.4
25°	138.7	166.8	184.2	190.0	184.2	166.8	138.7	105.3	70.8	42.2	27.7
22.5°	267.7	305.8	331.3	340.0	331.3	305.8	267.7	217.6	161.0	104.6	57.9
20°	423.0	476.9	511.4	523.0	511.4	476.9	423.0	355.3	280.1	200.6	125.5
17.5°	605.6	670.7	708.6	721.0	708.6	670.7	605.6	516.9	416.8	313.9	215.5
15°	774.2	831.8	862.5	873.0	862.5	831.8	774.2	687.6	569.5	438.5	313.9
12.5°	892.9	935.2	957.4	964.5	957.4	935.2	892.9	823.2	713.3	569.5	416.8
10°	965.2	999.8	1019.3	1026.0	1019.3	999.8	965.2	912.3	823.2	687.6	516.9
7.5°	1013.0	1047.9	1067.5	1074.0	1067.5	1047.9	1013.0	965.2	892.9	774.2	605.6
5°	1047.9	1080.9	1097.1	1100.0	1097.1	1080.9	1047.9	999.8	935.2	831.8	670.7
2.5°	1067.5	1097.1	1104.5	1106.0	1104.5	1097.1	1067.5	1019.3	957.4	862.5	708.6
0°	1074.0	1100.0	1106.0	1109.0	1106.0	1100.0	1074.0	1026.0	964.5	873.0	721.0
-2.5°	1067.5	1097.1	1104.5	1106.0	1104.5	1097.1	1067.5	1019.3	957.4	862.5	708.6
-5°	1047.9	1080.9	1097.1	1100.0	1097.1	1080.9	1047.9	999.8	935.2	831.8	670.7
-7.5°	1013.0	1047.9	1067.5	1074.0	1067.5	1047.9	1013.0	965.2	892.9	774.2	605.6
-10°	965.2	999.8	1019.3	1026.0	1019.3	999.8	965.2	912.3	823.2	687.6	516.9
-12.5°	892.9	935.2	957.4	964.5	957.4	935.2	892.9	823.2	713.3	569.5	416.8
-15°	774.2	831.8	862.5	873.0	862.5	831.8	774.2	687.6	569.5	438.5	313.9
-17.5°	605.6	670.7	708.6	721.0	708.6	670.7	605.6	516.9	416.8	313.9	215.5
-20°	423.0	476.9	511.4	523.0	511.4	476.9	423.0	355.3	280.1	200.6	125.5



REPORT NUMBER: P221128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCR-F-WT-LC1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	267.7	305.8	331.3	340.0	331.3	305.8	267.7	217.6	161.0	104.6	57.9
-25°	138.7	166.8	184.2	190.0	184.2	166.8	138.7	105.3	70.8	42.2	27.7
-27.5°	53.2	65.9	76.4	80.0	76.4	65.9	53.2	38.5	28.0	26.3	24.4
-30°	26.7	27.4	27.8	28.0	27.8	27.4	26.7	25.6	24.4	23.4	22.5
-32.5°	23.4	23.7	23.9	24.0	23.9	23.7	23.4	22.9	22.3	21.8	21.4
-35°	21.7	21.9	22.0	22.0	22.0	21.9	21.7	21.5	21.2	20.9	20.5
-37.5°	20.7	20.9	21.0	21.0	21.0	20.9	20.7	20.6	20.3	20.0	19.7
-40°	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.6	19.4	19.1	18.8
-42.5°	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.6	18.4	18.2	18.0
-45°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
-47.5°	17.8	17.9	18.0	18.0	18.0	17.9	17.8	17.7	17.5	17.3	17.0
-50°	16.8	16.9	17.0	17.0	17.0	16.9	16.8	16.7	16.5	16.4	16.1
-52.5°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
-55°	15.9	15.9	16.0	16.0	16.0	15.9	15.9	15.8	15.6	15.5	15.3
-57.5°	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.7	14.5	14.3
-60°	13.8	13.9	14.0	14.0	14.0	13.9	13.8	13.6	13.4	13.1	12.8
-62.5°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.5
-65°	10.8	10.9	11.0	11.0	11.0	10.9	10.8	10.7	10.5	10.3	10.0
-67.5°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.6
-70°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-72.5°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.8	7.7
-75°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.7
-77.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8
-80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.8
-82.5°	3.9	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.7
-85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
-87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED CR-F-WT-LC1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
85°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
82.5°	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.6	2.4	2.2
80°	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	3.9	3.6
77.5°	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.5
75°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2
72.5°	7.6	7.5	7.3	7.2	7.0	6.9	6.7	6.5	6.3	6.1	5.9
70°	8.0	8.0	8.0	8.0	7.9	7.7	7.5	7.3	7.1	6.8	6.6
67.5°	8.4	8.3	8.1	8.0	8.0	8.0	8.0	8.0	7.8	7.6	7.3
65°	9.7	9.4	9.0	8.8	8.6	8.4	8.1	8.0	8.0	8.0	8.0
62.5°	11.3	11.1	10.8	10.3	9.9	9.3	8.9	8.6	8.3	8.0	8.0
60°	12.4	12.0	11.8	11.5	11.3	11.0	10.3	9.7	9.0	8.7	8.3
57.5°	14.1	13.8	13.3	12.8	12.2	11.8	11.4	11.1	10.4	9.7	8.9
55°	15.0	14.8	14.5	14.2	13.8	13.1	12.4	11.8	11.4	11.0	10.1
52.5°	16.0	15.7	15.4	15.1	14.7	14.4	13.9	13.1	12.2	11.7	11.2
50°	16.0	16.0	16.0	15.9	15.5	15.1	14.7	14.3	13.6	12.6	11.8
47.5°	16.8	16.4	16.1	16.0	16.0	15.9	15.4	15.0	14.5	13.9	12.8
45°	17.7	17.3	16.9	16.5	16.1	16.0	16.0	15.6	15.1	14.6	14.0
42.5°	18.0	18.0	17.8	17.3	16.9	16.4	16.0	16.0	15.8	15.2	14.6
40°	18.4	18.0	18.0	18.0	17.6	17.1	16.5	16.0	16.0	15.8	15.1
37.5°	19.3	18.9	18.4	18.0	18.0	17.8	17.2	16.6	16.0	16.0	15.6
35°	20.1	19.7	19.2	18.6	18.1	18.0	17.9	17.2	16.5	16.0	16.0
32.5°	21.0	20.5	19.9	19.4	18.8	18.1	18.0	17.8	17.1	16.4	16.0
30°	21.8	21.3	20.7	20.1	19.4	18.8	18.1	18.0	17.6	16.9	16.1
27.5°	23.2	22.0	21.4	20.8	20.1	19.4	18.6	18.0	18.0	17.3	16.5
25°	25.4	23.5	22.2	21.4	20.7	19.9	19.2	18.4	18.0	17.8	16.9
22.5°	31.0	25.8	23.5	22.0	21.3	20.5	19.7	18.9	18.0	18.0	17.3
20°	63.3	31.0	25.4	23.2	21.8	21.0	20.1	19.3	18.4	18.0	17.7
17.5°	125.5	57.9	27.7	24.4	22.5	21.4	20.5	19.7	18.8	18.0	18.0
15°	200.6	104.6	42.2	26.3	23.4	21.8	20.9	20.0	19.1	18.2	18.0
12.5°	280.1	161.0	70.8	28.0	24.4	22.3	21.2	20.3	19.4	18.4	18.0
10°	355.3	217.6	105.3	38.5	25.6	22.9	21.5	20.6	19.6	18.6	18.0
7.5°	423.0	267.7	138.7	53.2	26.7	23.4	21.7	20.7	19.8	18.8	18.0
5°	476.9	305.8	166.8	65.9	27.4	23.7	21.9	20.9	19.9	18.9	18.0
2.5°	511.4	331.3	184.2	76.4	27.8	23.9	22.0	21.0	20.0	19.0	18.0
0°	523.0	340.0	190.0	80.0	28.0	24.0	22.0	21.0	20.0	19.0	18.0
-2.5°	511.4	331.3	184.2	76.4	27.8	23.9	22.0	21.0	20.0	19.0	18.0
-5°	476.9	305.8	166.8	65.9	27.4	23.7	21.9	20.9	19.9	18.9	18.0
-7.5°	423.0	267.7	138.7	53.2	26.7	23.4	21.7	20.7	19.8	18.8	18.0
-10°	355.3	217.6	105.3	38.5	25.6	22.9	21.5	20.6	19.6	18.6	18.0
-12.5°	280.1	161.0	70.8	28.0	24.4	22.3	21.2	20.3	19.4	18.4	18.0
-15°	200.6	104.6	42.2	26.3	23.4	21.8	20.9	20.0	19.1	18.2	18.0
-17.5°	125.5	57.9	27.7	24.4	22.5	21.4	20.5	19.7	18.8	18.0	18.0
-20°	63.3	31.0	25.4	23.2	21.8	21.0	20.1	19.3	18.4	18.0	17.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	31.0	25.8	23.5	22.0	21.3	20.5	19.7	18.9	18.0	18.0	17.3
-25°	25.4	23.5	22.2	21.4	20.7	19.9	19.2	18.4	18.0	17.8	16.9
-27.5°	23.2	22.0	21.4	20.8	20.1	19.4	18.6	18.0	18.0	17.3	16.5
-30°	21.8	21.3	20.7	20.1	19.4	18.8	18.1	18.0	17.6	16.9	16.1
-32.5°	21.0	20.5	19.9	19.4	18.8	18.1	18.0	17.8	17.1	16.4	16.0
-35°	20.1	19.7	19.2	18.6	18.1	18.0	17.9	17.2	16.5	16.0	16.0
-37.5°	19.3	18.9	18.4	18.0	18.0	17.8	17.2	16.6	16.0	16.0	15.6
-40°	18.4	18.0	18.0	18.0	17.6	17.1	16.5	16.0	16.0	15.8	15.1
-42.5°	18.0	18.0	17.8	17.3	16.9	16.4	16.0	16.0	15.8	15.2	14.6
-45°	17.7	17.3	16.9	16.5	16.1	16.0	16.0	15.6	15.1	14.6	14.0
-47.5°	16.8	16.4	16.1	16.0	16.0	15.9	15.4	15.0	14.5	13.9	12.8
-50°	16.0	16.0	16.0	15.9	15.5	15.1	14.7	14.3	13.6	12.6	11.8
-52.5°	16.0	15.7	15.4	15.1	14.7	14.4	13.9	13.1	12.2	11.7	11.2
-55°	15.0	14.8	14.5	14.2	13.8	13.1	12.4	11.8	11.4	11.0	10.1
-57.5°	14.1	13.8	13.3	12.8	12.2	11.8	11.4	11.1	10.4	9.7	8.9
-60°	12.4	12.0	11.8	11.5	11.3	11.0	10.3	9.7	9.0	8.7	8.3
-62.5°	11.3	11.1	10.8	10.3	9.9	9.3	8.9	8.6	8.3	8.0	8.0
-65°	9.7	9.4	9.0	8.8	8.6	8.4	8.1	8.0	8.0	8.0	8.0
-67.5°	8.4	8.3	8.1	8.0	8.0	8.0	8.0	8.0	7.8	7.6	7.3
-70°	8.0	8.0	8.0	8.0	7.9	7.7	7.5	7.3	7.1	6.8	6.6
-72.5°	7.6	7.5	7.3	7.2	7.0	6.9	6.7	6.5	6.3	6.1	5.9
-75°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2
-77.5°	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.5
-80°	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	3.9	3.6
-82.5°	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.6	2.4	2.2
-85°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
-87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3
85°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
82.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
80°	3.4	3.1	2.9	2.6	2.3	2.0	1.8	1.7	1.5	1.4	1.2
77.5°	4.4	4.2	4.0	3.7	3.3	3.0	2.6	2.2	1.9	1.7	1.5
75°	5.0	4.8	4.6	4.4	4.2	3.9	3.5	3.0	2.5	2.1	1.8
72.5°	5.7	5.5	5.2	5.0	4.7	4.5	4.2	3.8	3.3	2.7	2.2
70°	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.4	2.7
67.5°	7.0	6.7	6.4	6.1	5.7	5.4	5.1	4.7	4.4	4.0	3.3
65°	7.6	7.3	7.0	6.6	6.2	5.9	5.5	5.1	4.7	4.3	3.8
62.5°	8.0	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1	4.6	4.2
60°	8.0	8.0	8.0	7.7	7.2	6.8	6.3	5.9	5.4	4.9	4.5
57.5°	8.5	8.1	8.0	8.0	7.7	7.2	6.7	6.2	5.7	5.2	4.7
55°	9.2	8.7	8.2	8.0	8.0	7.7	7.1	6.6	6.1	5.5	5.0
52.5°	10.4	9.4	8.7	8.2	8.0	8.0	7.5	7.0	6.4	5.8	5.2
50°	11.3	10.5	9.4	8.7	8.1	8.0	7.9	7.3	6.7	6.1	5.5
47.5°	11.9	11.3	10.4	9.2	8.5	8.0	8.0	7.6	7.0	6.3	5.7
45°	12.8	11.8	11.2	10.1	8.9	8.3	8.0	8.0	7.3	6.6	5.9
42.5°	13.9	12.6	11.7	11.0	9.7	8.7	8.0	8.0	7.6	6.8	6.1
40°	14.5	13.6	12.2	11.4	10.4	9.0	8.3	8.0	7.8	7.1	6.3
37.5°	15.0	14.3	13.1	11.8	11.1	9.7	8.6	8.0	8.0	7.3	6.5
35°	15.4	14.7	13.9	12.4	11.4	10.3	8.9	8.1	8.0	7.5	6.7
32.5°	15.9	15.1	14.4	13.1	11.8	11.0	9.3	8.4	8.0	7.7	6.9
30°	16.0	15.5	14.7	13.8	12.2	11.3	9.9	8.6	8.0	7.9	7.0
27.5°	16.0	15.9	15.1	14.2	12.8	11.5	10.3	8.8	8.0	8.0	7.2
25°	16.1	16.0	15.4	14.5	13.3	11.8	10.8	9.0	8.1	8.0	7.3
22.5°	16.4	16.0	15.7	14.8	13.8	12.0	11.1	9.4	8.3	8.0	7.5
20°	16.8	16.0	16.0	15.0	14.1	12.4	11.3	9.7	8.4	8.0	7.6
17.5°	17.0	16.1	16.0	15.3	14.3	12.8	11.5	10.0	8.6	8.0	7.7
15°	17.3	16.4	16.0	15.5	14.5	13.1	11.6	10.3	8.7	8.0	7.8
12.5°	17.5	16.5	16.0	15.6	14.7	13.4	11.7	10.5	8.8	8.0	7.8
10°	17.7	16.7	16.0	15.8	14.8	13.6	11.8	10.7	8.9	8.0	7.9
7.5°	17.8	16.8	16.0	15.9	14.9	13.8	11.9	10.8	8.9	8.0	7.9
5°	17.9	16.9	16.0	15.9	14.9	13.9	12.0	10.9	9.0	8.0	8.0
2.5°	18.0	17.0	16.0	16.0	15.0	14.0	12.0	11.0	9.0	8.0	8.0
0°	18.0	17.0	16.0	16.0	15.0	14.0	12.0	11.0	9.0	8.0	8.0
-2.5°	18.0	17.0	16.0	16.0	15.0	14.0	12.0	11.0	9.0	8.0	8.0
-5°	17.9	16.9	16.0	15.9	14.9	13.9	12.0	10.9	9.0	8.0	8.0
-7.5°	17.8	16.8	16.0	15.9	14.9	13.8	11.9	10.8	8.9	8.0	7.9
-10°	17.7	16.7	16.0	15.8	14.8	13.6	11.8	10.7	8.9	8.0	7.9
-12.5°	17.5	16.5	16.0	15.6	14.7	13.4	11.7	10.5	8.8	8.0	7.8
-15°	17.3	16.4	16.0	15.5	14.5	13.1	11.6	10.3	8.7	8.0	7.8
-17.5°	17.0	16.1	16.0	15.3	14.3	12.8	11.5	10.0	8.6	8.0	7.7
-20°	16.8	16.0	16.0	15.0	14.1	12.4	11.3	9.7	8.4	8.0	7.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	16.4	16.0	15.7	14.8	13.8	12.0	11.1	9.4	8.3	8.0	7.5
-25°	16.1	16.0	15.4	14.5	13.3	11.8	10.8	9.0	8.1	8.0	7.3
-27.5°	16.0	15.9	15.1	14.2	12.8	11.5	10.3	8.8	8.0	8.0	7.2
-30°	16.0	15.5	14.7	13.8	12.2	11.3	9.9	8.6	8.0	7.9	7.0
-32.5°	15.9	15.1	14.4	13.1	11.8	11.0	9.3	8.4	8.0	7.7	6.9
-35°	15.4	14.7	13.9	12.4	11.4	10.3	8.9	8.1	8.0	7.5	6.7
-37.5°	15.0	14.3	13.1	11.8	11.1	9.7	8.6	8.0	8.0	7.3	6.5
-40°	14.5	13.6	12.2	11.4	10.4	9.0	8.3	8.0	7.8	7.1	6.3
-42.5°	13.9	12.6	11.7	11.0	9.7	8.7	8.0	8.0	7.6	6.8	6.1
-45°	12.8	11.8	11.2	10.1	8.9	8.3	8.0	8.0	7.3	6.6	5.9
-47.5°	11.9	11.3	10.4	9.2	8.5	8.0	8.0	7.6	7.0	6.3	5.7
-50°	11.3	10.5	9.4	8.7	8.1	8.0	7.9	7.3	6.7	6.1	5.5
-52.5°	10.4	9.4	8.7	8.2	8.0	8.0	7.5	7.0	6.4	5.8	5.2
-55°	9.2	8.7	8.2	8.0	8.0	7.7	7.1	6.6	6.1	5.5	5.0
-57.5°	8.5	8.1	8.0	8.0	7.7	7.2	6.7	6.2	5.7	5.2	4.7
-60°	8.0	8.0	8.0	7.7	7.2	6.8	6.3	5.9	5.4	4.9	4.5
-62.5°	8.0	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1	4.6	4.2
-65°	7.6	7.3	7.0	6.6	6.2	5.9	5.5	5.1	4.7	4.3	3.8
-67.5°	7.0	6.7	6.4	6.1	5.7	5.4	5.1	4.7	4.4	4.0	3.3
-70°	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.4	2.7
-72.5°	5.7	5.5	5.2	5.0	4.7	4.5	4.2	3.8	3.3	2.7	2.2
-75°	5.0	4.8	4.6	4.4	4.2	3.9	3.5	3.0	2.5	2.1	1.8
-77.5°	4.4	4.2	4.0	3.7	3.3	3.0	2.6	2.2	1.9	1.7	1.5
-80°	3.4	3.1	2.9	2.6	2.3	2.0	1.8	1.7	1.5	1.4	1.2
-82.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
-85°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
-87.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
82.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
80°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
77.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
75°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
72.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
70°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
67.5°	2.5	1.9	1.5	1.1	0.8	0.4	0.0
65°	3.0	2.2	1.7	1.3	0.8	0.4	0.0
62.5°	3.5	2.6	1.8	1.4	0.9	0.5	0.0
60°	3.9	3.0	2.0	1.5	1.0	0.5	0.0
57.5°	4.2	3.3	2.3	1.6	1.1	0.5	0.0
55°	4.4	3.7	2.6	1.7	1.1	0.6	0.0
52.5°	4.6	4.0	2.9	1.8	1.2	0.6	0.0
50°	4.8	4.2	3.1	1.9	1.3	0.6	0.0
47.5°	5.0	4.4	3.4	2.0	1.4	0.7	0.0
45°	5.2	4.5	3.6	2.2	1.4	0.7	0.0
42.5°	5.4	4.7	3.9	2.4	1.5	0.7	0.0
40°	5.6	4.8	4.1	2.6	1.5	0.8	0.0
37.5°	5.7	5.0	4.2	2.8	1.6	0.8	0.0
35°	5.9	5.1	4.3	2.9	1.6	0.8	0.0
32.5°	6.0	5.2	4.4	3.1	1.7	0.8	0.0
30°	6.2	5.3	4.5	3.2	1.7	0.9	0.0
27.5°	6.3	5.4	4.5	3.3	1.8	0.9	0.0
25°	6.4	5.5	4.6	3.4	1.8	0.9	0.0
22.5°	6.5	5.6	4.7	3.5	1.8	0.9	0.0
20°	6.6	5.7	4.8	3.6	1.9	0.9	0.0
17.5°	6.7	5.8	4.8	3.7	1.9	1.0	0.0
15°	6.8	5.8	4.9	3.8	1.9	1.0	0.0
12.5°	6.9	5.9	4.9	3.9	2.0	1.0	0.0
10°	6.9	5.9	4.9	3.9	2.0	1.0	0.0
7.5°	6.9	6.0	5.0	3.9	2.0	1.0	0.0
5°	7.0	6.0	5.0	4.0	2.0	1.0	0.0
2.5°	7.0	6.0	5.0	4.0	2.0	1.0	0.0
0°	7.0	6.0	5.0	4.0	2.0	1.0	0.0
-2.5°	7.0	6.0	5.0	4.0	2.0	1.0	0.0
-5°	7.0	6.0	5.0	4.0	2.0	1.0	0.0
-7.5°	6.9	6.0	5.0	3.9	2.0	1.0	0.0
-10°	6.9	5.9	4.9	3.9	2.0	1.0	0.0
-12.5°	6.9	5.9	4.9	3.9	2.0	1.0	0.0
-15°	6.8	5.8	4.9	3.8	1.9	1.0	0.0
-17.5°	6.7	5.8	4.8	3.7	1.9	1.0	0.0
-20°	6.6	5.7	4.8	3.6	1.9	0.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	6.5	5.6	4.7	3.5	1.8	0.9	0.0
-25°	6.4	5.5	4.6	3.4	1.8	0.9	0.0
-27.5°	6.3	5.4	4.5	3.3	1.8	0.9	0.0
-30°	6.2	5.3	4.5	3.2	1.7	0.9	0.0
-32.5°	6.0	5.2	4.4	3.1	1.7	0.8	0.0
-35°	5.9	5.1	4.3	2.9	1.6	0.8	0.0
-37.5°	5.7	5.0	4.2	2.8	1.6	0.8	0.0
-40°	5.6	4.8	4.1	2.6	1.5	0.8	0.0
-42.5°	5.4	4.7	3.9	2.4	1.5	0.7	0.0
-45°	5.2	4.5	3.6	2.2	1.4	0.7	0.0
-47.5°	5.0	4.4	3.4	2.0	1.4	0.7	0.0
-50°	4.8	4.2	3.1	1.9	1.3	0.6	0.0
-52.5°	4.6	4.0	2.9	1.8	1.2	0.6	0.0
-55°	4.4	3.7	2.6	1.7	1.1	0.6	0.0
-57.5°	4.2	3.3	2.3	1.6	1.1	0.5	0.0
-60°	3.9	3.0	2.0	1.5	1.0	0.5	0.0
-62.5°	3.5	2.6	1.8	1.4	0.9	0.5	0.0
-65°	3.0	2.2	1.7	1.3	0.8	0.4	0.0
-67.5°	2.5	1.9	1.5	1.1	0.8	0.4	0.0
-70°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
-72.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-75°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-77.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
-80°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
-82.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
-85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
-87.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)