

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: P221129 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221129 (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]-LEDCW-F-WT-LC1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

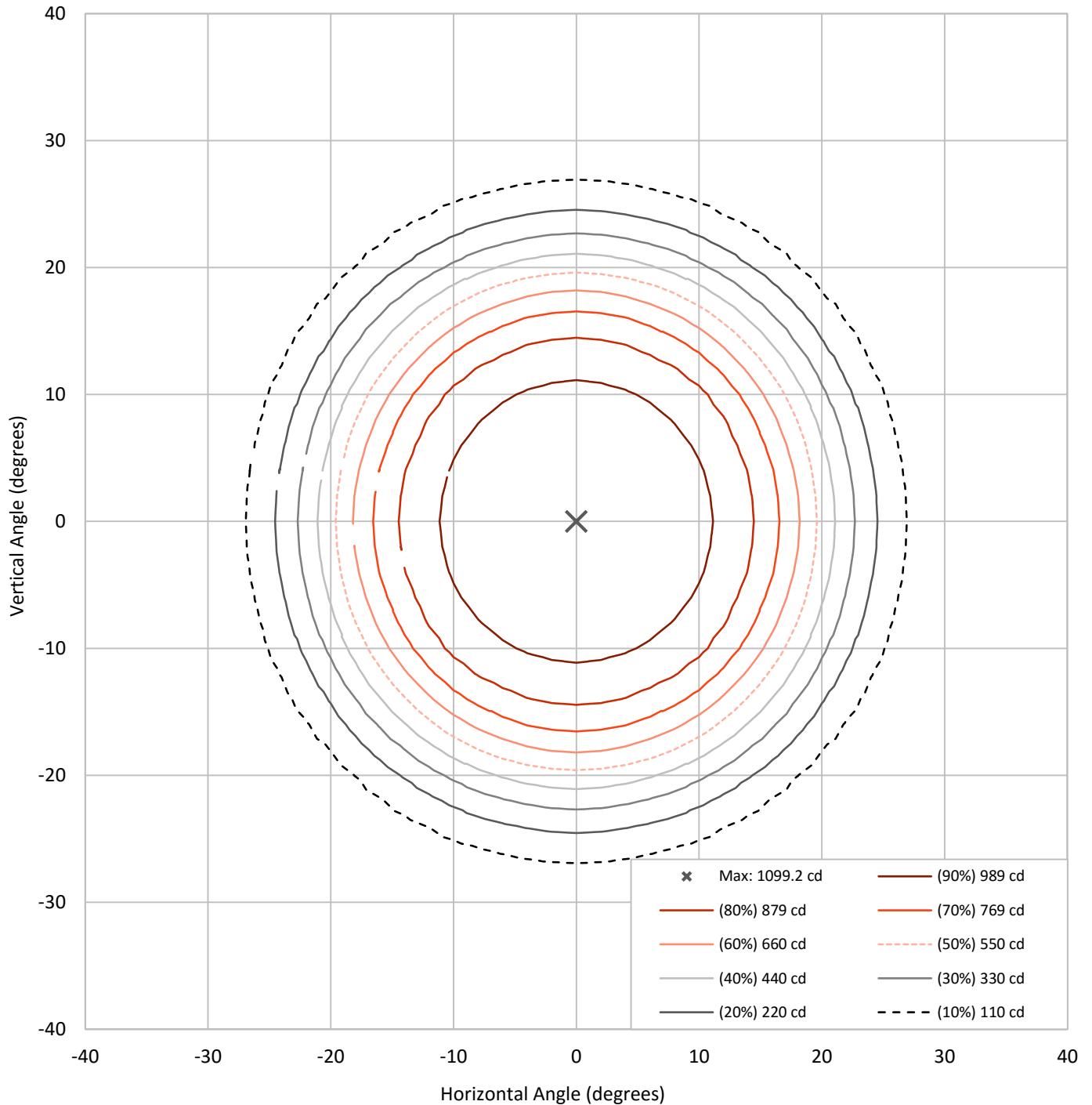
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	484 lumens	Max Intensity:	1099.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	33.8 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:	316.8 lumens	Field Lumens:	411.4 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





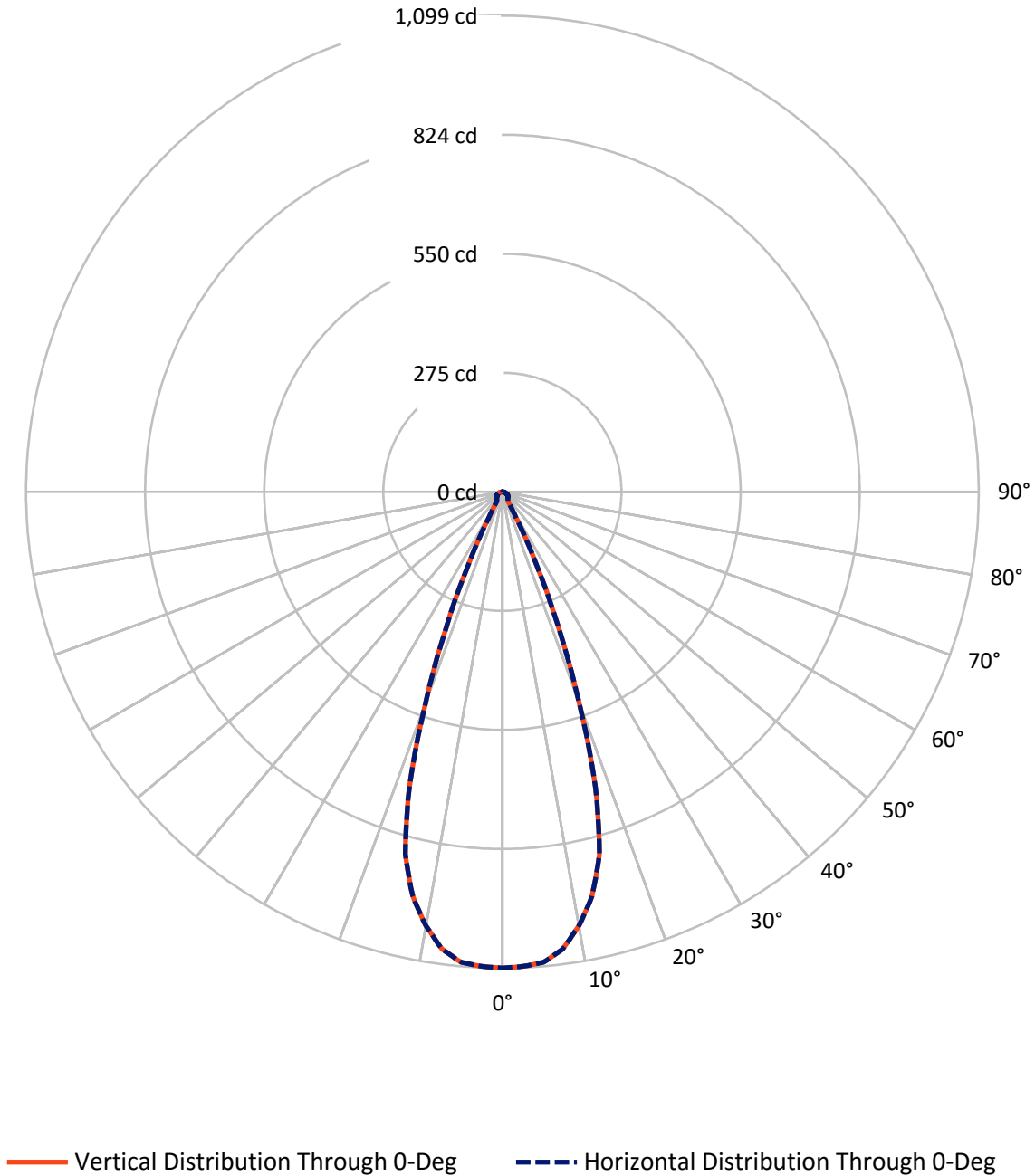
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Lumen Table

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	0.5	0.5	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	0.2	0.4	0.5	0.6	2.2	5.7	5.7	2.2	0.6	0.5	0.4	0.2	0.1	0.1			
20		0.1	0.3	0.4	0.5	2.1	12.8	23.3	23.3	12.8	2.1	0.5	0.4	0.3	0.1				
10	0.1	0.1	0.3	0.4	0.6	5.3	22.7	31.7	31.7	22.7	5.3	0.6	0.4	0.3	0.1	0.1			
0		0.1	0.3	0.4	0.6	5.3	22.7	31.7	31.7	22.7	5.3	0.6	0.4	0.3	0.1				
-10	0.1	0.1	0.3	0.4	0.6	5.3	22.7	31.7	31.7	22.7	5.3	0.6	0.4	0.3	0.1	0.1			
-20		0.1	0.3	0.4	0.5	2.1	12.8	23.3	23.3	12.8	2.1	0.5	0.4	0.3	0.1				
-30	0.1	0.1	0.2	0.4	0.5	0.6	2.2	5.7	5.7	2.2	0.6	0.5	0.4	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				
-50	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1			
-60		0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1				
-70	0.1	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	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

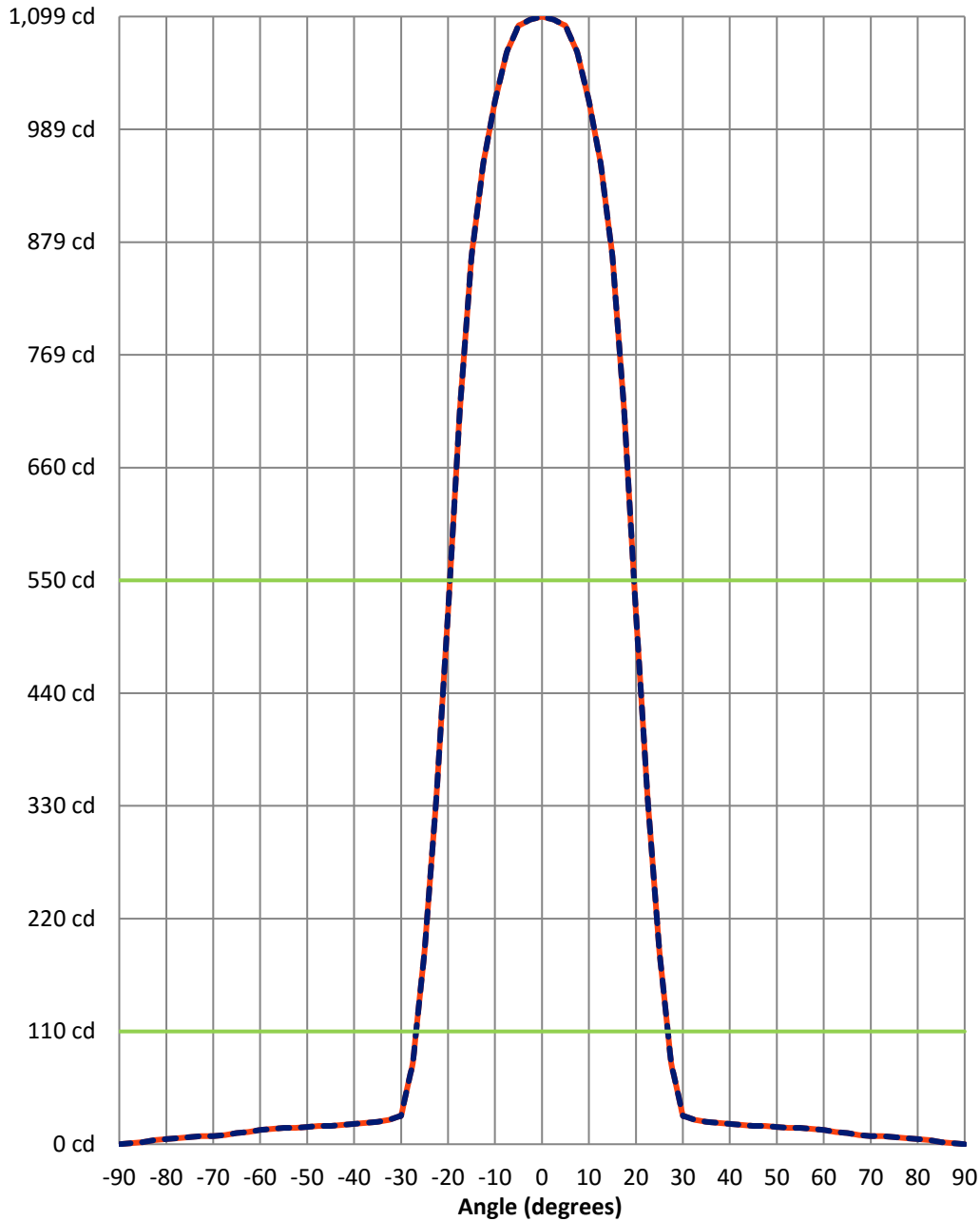
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCW-F-WT-LC1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 39.2°
 V Angle: 39.2°
 Lumens: 316.8
 Efficiency: 65.5%

Field:
 H Angle: 53.6°
 V Angle: 53.6°
 Lumens: 411.4
 Efficiency: 85.0%

Spill:
 Lumens: 72.5
 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	5.8
57.5°	0.0	0.5	1.1	1.6	2.3	3.3	4.2	4.7	5.2	5.7	6.1
55°	0.0	0.6	1.1	1.7	2.6	3.7	4.4	5.0	5.5	6.0	6.5
52.5°	0.0	0.6	1.2	1.8	2.9	4.0	4.6	5.2	5.7	6.3	6.9
50°	0.0	0.6	1.3	1.9	3.1	4.2	4.8	5.4	6.0	6.6	7.2
47.5°	0.0	0.7	1.4	2.0	3.4	4.4	5.0	5.6	6.2	6.9	7.5
45°	0.0	0.7	1.4	2.2	3.6	4.5	5.2	5.8	6.5	7.2	7.9
42.5°	0.0	0.7	1.5	2.4	3.9	4.7	5.4	6.0	6.7	7.5	7.9
40°	0.0	0.8	1.5	2.6	4.1	4.8	5.5	6.2	7.0	7.7	7.9
37.5°	0.0	0.8	1.6	2.8	4.2	5.0	5.7	6.4	7.2	7.9	7.9
35°	0.0	0.8	1.6	2.9	4.3	5.1	5.8	6.6	7.4	7.9	8.0
32.5°	0.0	0.8	1.7	3.1	4.4	5.2	5.9	6.8	7.6	7.9	8.3
30°	0.0	0.9	1.7	3.2	4.5	5.3	6.1	6.9	7.8	7.9	8.5
27.5°	0.0	0.9	1.8	3.3	4.5	5.4	6.2	7.1	7.9	7.9	8.7
25°	0.0	0.9	1.8	3.4	4.6	5.5	6.3	7.2	7.9	8.0	8.9
22.5°	0.0	0.9	1.8	3.5	4.7	5.6	6.4	7.4	7.9	8.2	9.3
20°	0.0	0.9	1.9	3.6	4.8	5.6	6.5	7.5	7.9	8.3	9.6
17.5°	0.0	1.0	1.9	3.7	4.8	5.7	6.6	7.6	7.9	8.5	9.9
15°	0.0	1.0	1.9	3.8	4.9	5.7	6.7	7.7	7.9	8.6	10.2
12.5°	0.0	1.0	2.0	3.9	4.9	5.8	6.8	7.7	7.9	8.7	10.4
10°	0.0	1.0	2.0	3.9	4.9	5.8	6.8	7.8	7.9	8.8	10.6
7.5°	0.0	1.0	2.0	3.9	5.0	5.9	6.8	7.8	7.9	8.8	10.7
5°	0.0	1.0	2.0	4.0	5.0	5.9	6.9	7.9	7.9	8.9	10.8
2.5°	0.0	1.0	2.0	4.0	5.0	5.9	6.9	7.9	7.9	8.9	10.9
0°	0.0	1.0	2.0	4.0	5.0	5.9	6.9	7.9	7.9	8.9	10.9
-2.5°	0.0	1.0	2.0	4.0	5.0	5.9	6.9	7.9	7.9	8.9	10.9
-5°	0.0	1.0	2.0	4.0	5.0	5.9	6.9	7.9	7.9	8.9	10.8
-7.5°	0.0	1.0	2.0	3.9	5.0	5.9	6.8	7.8	7.9	8.8	10.7
-10°	0.0	1.0	2.0	3.9	4.9	5.8	6.8	7.8	7.9	8.8	10.6
-12.5°	0.0	1.0	2.0	3.9	4.9	5.8	6.8	7.7	7.9	8.7	10.4
-15°	0.0	1.0	1.9	3.8	4.9	5.7	6.7	7.7	7.9	8.6	10.2
-17.5°	0.0	1.0	1.9	3.7	4.8	5.7	6.6	7.6	7.9	8.5	9.9
-20°	0.0	0.9	1.9	3.6	4.8	5.6	6.5	7.5	7.9	8.3	9.6



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCW-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	6.4	7.4	7.9	8.2	9.3
-25°	0.0	0.9	1.8	3.4	4.6	5.5	6.3	7.2	7.9	8.0	8.9
-27.5°	0.0	0.9	1.8	3.3	4.5	5.4	6.2	7.1	7.9	7.9	8.7
-30°	0.0	0.9	1.7	3.2	4.5	5.3	6.1	6.9	7.8	7.9	8.5
-32.5°	0.0	0.8	1.7	3.1	4.4	5.2	5.9	6.8	7.6	7.9	8.3
-35°	0.0	0.8	1.6	2.9	4.3	5.1	5.8	6.6	7.4	7.9	8.0
-37.5°	0.0	0.8	1.6	2.8	4.2	5.0	5.7	6.4	7.2	7.9	7.9
-40°	0.0	0.8	1.5	2.6	4.1	4.8	5.5	6.2	7.0	7.7	7.9
-42.5°	0.0	0.7	1.5	2.4	3.9	4.7	5.4	6.0	6.7	7.5	7.9
-45°	0.0	0.7	1.4	2.2	3.6	4.5	5.2	5.8	6.5	7.2	7.9
-47.5°	0.0	0.7	1.4	2.0	3.4	4.4	5.0	5.6	6.2	6.9	7.5
-50°	0.0	0.6	1.3	1.9	3.1	4.2	4.8	5.4	6.0	6.6	7.2
-52.5°	0.0	0.6	1.2	1.8	2.9	4.0	4.6	5.2	5.7	6.3	6.9
-55°	0.0	0.6	1.1	1.7	2.6	3.7	4.4	5.0	5.5	6.0	6.5
-57.5°	0.0	0.5	1.1	1.6	2.3	3.3	4.2	4.7	5.2	5.7	6.1
-60°	0.0	0.5	1.0	1.5	2.0	3.0	3.9	4.5	4.9	5.4	5.8
-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	5.5	5.7
72.5°	4.2	4.5	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4
70°	4.6	4.9	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2
67.5°	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	7.9
65°	5.5	5.8	6.1	6.5	6.9	7.2	7.5	7.9	7.9	7.9	7.9
62.5°	5.8	6.2	6.6	7.0	7.4	7.8	7.9	7.9	7.9	8.2	8.5
60°	6.2	6.7	7.1	7.6	7.9	7.9	7.9	8.2	8.6	8.9	9.6
57.5°	6.6	7.1	7.6	7.9	7.9	8.0	8.4	8.8	9.6	10.3	11.0
55°	7.0	7.6	7.9	7.9	8.1	8.6	9.1	10.0	10.9	11.3	11.7
52.5°	7.4	7.9	7.9	8.1	8.6	9.3	10.3	11.1	11.6	12.1	13.0
50°	7.8	7.9	8.0	8.6	9.3	10.4	11.2	11.7	12.5	13.5	14.2
47.5°	7.9	7.9	8.4	9.1	10.3	11.2	11.8	12.7	13.8	14.4	14.9
45°	7.9	8.2	8.8	10.0	11.1	11.7	12.7	13.9	14.5	15.0	15.5
42.5°	7.9	8.6	9.6	10.9	11.6	12.5	13.8	14.5	15.1	15.7	15.9
40°	8.2	8.9	10.3	11.3	12.1	13.5	14.4	15.0	15.7	15.9	15.9
37.5°	8.5	9.6	11.0	11.7	13.0	14.2	14.9	15.5	15.9	15.9	16.4
35°	8.8	10.2	11.3	12.3	13.8	14.6	15.3	15.9	15.9	16.4	17.0
32.5°	9.2	10.9	11.7	13.0	14.3	15.0	15.8	15.9	16.2	16.9	17.6
30°	9.8	11.2	12.1	13.7	14.6	15.4	15.9	16.0	16.7	17.4	17.8
27.5°	10.2	11.4	12.7	14.1	15.0	15.8	15.9	16.4	17.1	17.8	17.8
25°	10.7	11.7	13.2	14.4	15.3	15.9	16.0	16.7	17.6	17.8	18.2
22.5°	11.0	11.9	13.7	14.7	15.6	15.9	16.3	17.1	17.8	17.8	18.7
20°	11.2	12.3	14.0	14.9	15.9	15.9	16.6	17.5	17.8	18.2	19.1
17.5°	11.4	12.7	14.2	15.2	15.9	16.0	16.8	17.8	17.8	18.6	19.5
15°	11.5	13.0	14.4	15.4	15.9	16.2	17.1	17.8	18.0	18.9	19.8
12.5°	11.6	13.3	14.6	15.5	15.9	16.4	17.3	17.8	18.2	19.2	20.1
10°	11.7	13.5	14.7	15.7	15.9	16.5	17.5	17.8	18.4	19.4	20.4
7.5°	11.8	13.7	14.8	15.8	15.9	16.7	17.6	17.8	18.6	19.6	20.5
5°	11.9	13.8	14.8	15.8	15.9	16.7	17.7	17.8	18.7	19.7	20.7
2.5°	11.9	13.9	14.9	15.9	15.9	16.8	17.8	17.8	18.8	19.8	20.8
0°	11.9	13.9	14.9	15.9	15.9	16.8	17.8	17.8	18.8	19.8	20.8
-2.5°	11.9	13.9	14.9	15.9	15.9	16.8	17.8	17.8	18.8	19.8	20.8
-5°	11.9	13.8	14.8	15.8	15.9	16.7	17.7	17.8	18.7	19.7	20.7
-7.5°	11.8	13.7	14.8	15.8	15.9	16.7	17.6	17.8	18.6	19.6	20.5
-10°	11.7	13.5	14.7	15.7	15.9	16.5	17.5	17.8	18.4	19.4	20.4
-12.5°	11.6	13.3	14.6	15.5	15.9	16.4	17.3	17.8	18.2	19.2	20.1
-15°	11.5	13.0	14.4	15.4	15.9	16.2	17.1	17.8	18.0	18.9	19.8
-17.5°	11.4	12.7	14.2	15.2	15.9	16.0	16.8	17.8	17.8	18.6	19.5
-20°	11.2	12.3	14.0	14.9	15.9	15.9	16.6	17.5	17.8	18.2	19.1



REPORT NUMBER: P221129 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCW-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°	11.0	11.9	13.7	14.7	15.6	15.9	16.3	17.1	17.8	17.8	18.7
-25°	10.7	11.7	13.2	14.4	15.3	15.9	16.0	16.7	17.6	17.8	18.2
-27.5°	10.2	11.4	12.7	14.1	15.0	15.8	15.9	16.4	17.1	17.8	17.8
-30°	9.8	11.2	12.1	13.7	14.6	15.4	15.9	16.0	16.7	17.4	17.8
-32.5°	9.2	10.9	11.7	13.0	14.3	15.0	15.8	15.9	16.2	16.9	17.6
-35°	8.8	10.2	11.3	12.3	13.8	14.6	15.3	15.9	15.9	16.4	17.0
-37.5°	8.5	9.6	11.0	11.7	13.0	14.2	14.9	15.5	15.9	15.9	16.4
-40°	8.2	8.9	10.3	11.3	12.1	13.5	14.4	15.0	15.7	15.9	15.9
-42.5°	7.9	8.6	9.6	10.9	11.6	12.5	13.8	14.5	15.1	15.7	15.9
-45°	7.9	8.2	8.8	10.0	11.1	11.7	12.7	13.9	14.5	15.0	15.5
-47.5°	7.9	7.9	8.4	9.1	10.3	11.2	11.8	12.7	13.8	14.4	14.9
-50°	7.8	7.9	8.0	8.6	9.3	10.4	11.2	11.7	12.5	13.5	14.2
-52.5°	7.4	7.9	7.9	8.1	8.6	9.3	10.3	11.1	11.6	12.1	13.0
-55°	7.0	7.6	7.9	7.9	8.1	8.6	9.1	10.0	10.9	11.3	11.7
-57.5°	6.6	7.1	7.6	7.9	7.9	8.0	8.4	8.8	9.6	10.3	11.0
-60°	6.2	6.7	7.1	7.6	7.9	7.9	7.9	8.2	8.6	8.9	9.6
-62.5°	5.8	6.2	6.6	7.0	7.4	7.8	7.9	7.9	7.9	8.2	8.5
-65°	5.5	5.8	6.1	6.5	6.9	7.2	7.5	7.9	7.9	7.9	7.9
-67.5°	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	7.9
-70°	4.6	4.9	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2
-72.5°	4.2	4.5	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4
-75°	3.5	3.9	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	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	5.6	5.7	5.7	5.8	5.8
75°	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8
72.5°	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6	7.7	7.7	7.8
70°	7.4	7.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
67.5°	7.9	7.9	7.9	7.9	8.0	8.2	8.3	8.5	8.6	8.7	8.8
65°	8.0	8.3	8.5	8.7	8.9	9.3	9.6	9.9	10.2	10.4	10.6
62.5°	8.8	9.2	9.8	10.2	10.7	11.0	11.2	11.4	11.5	11.6	11.7
60°	10.2	10.9	11.2	11.4	11.7	11.9	12.3	12.7	13.0	13.3	13.5
57.5°	11.3	11.7	12.1	12.7	13.2	13.7	14.0	14.2	14.4	14.6	14.7
55°	12.3	13.0	13.7	14.1	14.4	14.7	14.9	15.2	15.4	15.5	15.7
52.5°	13.8	14.3	14.6	15.0	15.3	15.6	15.9	15.9	15.9	15.9	15.9
50°	14.6	15.0	15.4	15.8	15.9	15.9	15.9	16.0	16.2	16.4	16.5
47.5°	15.3	15.8	15.9	15.9	16.0	16.3	16.6	16.8	17.1	17.3	17.5
45°	15.9	15.9	16.0	16.4	16.7	17.1	17.5	17.8	17.8	17.8	17.8
42.5°	15.9	16.2	16.7	17.1	17.6	17.8	17.8	17.8	18.0	18.2	18.4
40°	16.4	16.9	17.4	17.8	17.8	17.8	18.2	18.6	18.9	19.2	19.4
37.5°	17.0	17.6	17.8	17.8	18.2	18.7	19.1	19.5	19.8	20.1	20.4
35°	17.7	17.8	17.9	18.4	19.0	19.5	19.9	20.3	20.7	21.0	21.3
32.5°	17.8	17.9	18.6	19.2	19.7	20.3	20.8	21.2	21.6	22.1	22.7
30°	17.9	18.6	19.2	19.9	20.5	21.1	21.6	22.3	23.2	24.2	25.4
27.5°	18.4	19.2	19.9	20.6	21.2	21.8	23.0	24.2	26.1	27.8	38.1
25°	19.0	19.7	20.5	21.2	22.0	23.3	25.2	27.5	41.8	70.1	104.4
22.5°	19.5	20.3	21.1	21.8	23.3	25.6	30.7	57.3	103.6	159.6	215.6
20°	19.9	20.8	21.6	23.0	25.2	30.7	62.7	124.4	198.8	277.6	352.1
17.5°	20.3	21.2	22.3	24.2	27.5	57.3	124.4	213.5	311.2	413.1	512.4
15°	20.7	21.6	23.2	26.1	41.8	103.6	198.8	311.2	434.6	564.4	681.5
12.5°	21.0	22.1	24.2	27.8	70.1	159.6	277.6	413.1	564.4	707.0	815.9
10°	21.3	22.7	25.4	38.1	104.4	215.6	352.1	512.4	681.5	815.9	904.3
7.5°	21.5	23.2	26.5	52.7	137.5	265.3	419.3	600.1	767.3	885.1	956.6
5°	21.7	23.5	27.2	65.2	165.4	303.1	472.7	664.7	824.4	926.9	990.9
2.5°	21.8	23.7	27.6	75.7	182.5	328.4	506.9	702.3	854.9	949.0	1010.3
0°	21.8	23.8	27.8	79.3	188.3	337.0	518.4	714.6	865.3	956.0	1016.9
-2.5°	21.8	23.7	27.6	75.7	182.5	328.4	506.9	702.3	854.9	949.0	1010.3
-5°	21.7	23.5	27.2	65.2	165.4	303.1	472.7	664.7	824.4	926.9	990.9
-7.5°	21.5	23.2	26.5	52.7	137.5	265.3	419.3	600.1	767.3	885.1	956.6
-10°	21.3	22.7	25.4	38.1	104.4	215.6	352.1	512.4	681.5	815.9	904.3
-12.5°	21.0	22.1	24.2	27.8	70.1	159.6	277.6	413.1	564.4	707.0	815.9
-15°	20.7	21.6	23.2	26.1	41.8	103.6	198.8	311.2	434.6	564.4	681.5
-17.5°	20.3	21.2	22.3	24.2	27.5	57.3	124.4	213.5	311.2	413.1	512.4
-20°	19.9	20.8	21.6	23.0	25.2	30.7	62.7	124.4	198.8	277.6	352.1



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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°	19.5	20.3	21.1	21.8	23.3	25.6	30.7	57.3	103.6	159.6	215.6
-25°	19.0	19.7	20.5	21.2	22.0	23.3	25.2	27.5	41.8	70.1	104.4
-27.5°	18.4	19.2	19.9	20.6	21.2	21.8	23.0	24.2	26.1	27.8	38.1
-30°	17.9	18.6	19.2	19.9	20.5	21.1	21.6	22.3	23.2	24.2	25.4
-32.5°	17.8	17.9	18.6	19.2	19.7	20.3	20.8	21.2	21.6	22.1	22.7
-35°	17.7	17.8	17.9	18.4	19.0	19.5	19.9	20.3	20.7	21.0	21.3
-37.5°	17.0	17.6	17.8	17.8	18.2	18.7	19.1	19.5	19.8	20.1	20.4
-40°	16.4	16.9	17.4	17.8	17.8	17.8	18.2	18.6	18.9	19.2	19.4
-42.5°	15.9	16.2	16.7	17.1	17.6	17.8	17.8	17.8	18.0	18.2	18.4
-45°	15.9	15.9	16.0	16.4	16.7	17.1	17.5	17.8	17.8	17.8	17.8
-47.5°	15.3	15.8	15.9	15.9	16.0	16.3	16.6	16.8	17.1	17.3	17.5
-50°	14.6	15.0	15.4	15.8	15.9	15.9	15.9	16.0	16.2	16.4	16.5
-52.5°	13.8	14.3	14.6	15.0	15.3	15.6	15.9	15.9	15.9	15.9	15.9
-55°	12.3	13.0	13.7	14.1	14.4	14.7	14.9	15.2	15.4	15.5	15.7
-57.5°	11.3	11.7	12.1	12.7	13.2	13.7	14.0	14.2	14.4	14.6	14.7
-60°	10.2	10.9	11.2	11.4	11.7	11.9	12.3	12.7	13.0	13.3	13.5
-62.5°	8.8	9.2	9.8	10.2	10.7	11.0	11.2	11.4	11.5	11.6	11.7
-65°	8.0	8.3	8.5	8.7	8.9	9.3	9.6	9.9	10.2	10.4	10.6
-67.5°	7.9	7.9	7.9	7.9	8.0	8.2	8.3	8.5	8.6	8.7	8.8
-70°	7.4	7.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
-72.5°	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6	7.7	7.7	7.8
-75°	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8
-77.5°	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.7	5.8	5.8
-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°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.7	5.7
75°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.6
72.5°	7.8	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.7	7.7	7.6
70°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
67.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
65°	10.7	10.8	10.9	10.9	10.9	10.8	10.7	10.6	10.4	10.2	9.9
62.5°	11.8	11.9	11.9	11.9	11.9	11.9	11.8	11.7	11.6	11.5	11.4
60°	13.7	13.8	13.9	13.9	13.9	13.8	13.7	13.5	13.3	13.0	12.7
57.5°	14.8	14.8	14.9	14.9	14.9	14.8	14.8	14.7	14.6	14.4	14.2
55°	15.8	15.8	15.9	15.9	15.9	15.8	15.8	15.7	15.5	15.4	15.2
52.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
50°	16.7	16.7	16.8	16.8	16.8	16.7	16.7	16.5	16.4	16.2	16.0
47.5°	17.6	17.7	17.8	17.8	17.8	17.7	17.6	17.5	17.3	17.1	16.8
45°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
42.5°	18.6	18.7	18.8	18.8	18.8	18.7	18.6	18.4	18.2	18.0	17.8
40°	19.6	19.7	19.8	19.8	19.8	19.7	19.6	19.4	19.2	18.9	18.6
37.5°	20.5	20.7	20.8	20.8	20.8	20.7	20.5	20.4	20.1	19.8	19.5
35°	21.5	21.7	21.8	21.8	21.8	21.7	21.5	21.3	21.0	20.7	20.3
32.5°	23.2	23.5	23.7	23.8	23.7	23.5	23.2	22.7	22.1	21.6	21.2
30°	26.5	27.2	27.6	27.8	27.6	27.2	26.5	25.4	24.2	23.2	22.3
27.5°	52.7	65.2	75.7	79.3	75.7	65.2	52.7	38.1	27.8	26.1	24.2
25°	137.5	165.4	182.5	188.3	182.5	165.4	137.5	104.4	70.1	41.8	27.5
22.5°	265.3	303.1	328.4	337.0	328.4	303.1	265.3	215.6	159.6	103.6	57.3
20°	419.3	472.7	506.9	518.4	506.9	472.7	419.3	352.1	277.6	198.8	124.4
17.5°	600.1	664.7	702.3	714.6	702.3	664.7	600.1	512.4	413.1	311.2	213.5
15°	767.3	824.4	854.9	865.3	854.9	824.4	767.3	681.5	564.4	434.6	311.2
12.5°	885.1	926.9	949.0	956.0	949.0	926.9	885.1	815.9	707.0	564.4	413.1
10°	956.6	990.9	1010.3	1016.9	1010.3	990.9	956.6	904.3	815.9	681.5	512.4
7.5°	1004.0	1038.6	1058.0	1064.5	1058.0	1038.6	1004.0	956.6	885.1	767.3	600.1
5°	1038.6	1071.3	1087.3	1090.2	1087.3	1071.3	1038.6	990.9	926.9	824.4	664.7
2.5°	1058.0	1087.3	1094.7	1096.2	1094.7	1087.3	1058.0	1010.3	949.0	854.9	702.3
0°	1064.5	1090.2	1096.2	1099.2	1096.2	1090.2	1064.5	1016.9	956.0	865.3	714.6
-2.5°	1058.0	1087.3	1094.7	1096.2	1094.7	1087.3	1058.0	1010.3	949.0	854.9	702.3
-5°	1038.6	1071.3	1087.3	1090.2	1087.3	1071.3	1038.6	990.9	926.9	824.4	664.7
-7.5°	1004.0	1038.6	1058.0	1064.5	1058.0	1038.6	1004.0	956.6	885.1	767.3	600.1
-10°	956.6	990.9	1010.3	1016.9	1010.3	990.9	956.6	904.3	815.9	681.5	512.4
-12.5°	885.1	926.9	949.0	956.0	949.0	926.9	885.1	815.9	707.0	564.4	413.1
-15°	767.3	824.4	854.9	865.3	854.9	824.4	767.3	681.5	564.4	434.6	311.2
-17.5°	600.1	664.7	702.3	714.6	702.3	664.7	600.1	512.4	413.1	311.2	213.5
-20°	419.3	472.7	506.9	518.4	506.9	472.7	419.3	352.1	277.6	198.8	124.4



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	265.3	303.1	328.4	337.0	328.4	303.1	265.3	215.6	159.6	103.6	57.3
-25°	137.5	165.4	182.5	188.3	182.5	165.4	137.5	104.4	70.1	41.8	27.5
-27.5°	52.7	65.2	75.7	79.3	75.7	65.2	52.7	38.1	27.8	26.1	24.2
-30°	26.5	27.2	27.6	27.8	27.6	27.2	26.5	25.4	24.2	23.2	22.3
-32.5°	23.2	23.5	23.7	23.8	23.7	23.5	23.2	22.7	22.1	21.6	21.2
-35°	21.5	21.7	21.8	21.8	21.8	21.7	21.5	21.3	21.0	20.7	20.3
-37.5°	20.5	20.7	20.8	20.8	20.8	20.7	20.5	20.4	20.1	19.8	19.5
-40°	19.6	19.7	19.8	19.8	19.8	19.7	19.6	19.4	19.2	18.9	18.6
-42.5°	18.6	18.7	18.8	18.8	18.8	18.7	18.6	18.4	18.2	18.0	17.8
-45°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
-47.5°	17.6	17.7	17.8	17.8	17.8	17.7	17.6	17.5	17.3	17.1	16.8
-50°	16.7	16.7	16.8	16.8	16.8	16.7	16.7	16.5	16.4	16.2	16.0
-52.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
-55°	15.8	15.8	15.9	15.9	15.9	15.8	15.8	15.7	15.5	15.4	15.2
-57.5°	14.8	14.8	14.9	14.9	14.9	14.8	14.8	14.7	14.6	14.4	14.2
-60°	13.7	13.8	13.9	13.9	13.9	13.8	13.7	13.5	13.3	13.0	12.7
-62.5°	11.8	11.9	11.9	11.9	11.9	11.9	11.8	11.7	11.6	11.5	11.4
-65°	10.7	10.8	10.9	10.9	10.9	10.8	10.7	10.6	10.4	10.2	9.9
-67.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
-70°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
-72.5°	7.8	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.7	7.7	7.6
-75°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.6
-77.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.7	5.7
-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



REPORT NUMBER: P221129 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCW-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°	5.6	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.5
75°	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.5	5.4	5.2
72.5°	7.5	7.4	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8
70°	7.9	7.9	7.9	7.9	7.8	7.6	7.4	7.2	7.0	6.7	6.5
67.5°	8.3	8.2	8.0	7.9	7.9	7.9	7.9	7.9	7.7	7.5	7.2
65°	9.6	9.3	8.9	8.7	8.5	8.3	8.0	7.9	7.9	7.9	7.9
62.5°	11.2	11.0	10.7	10.2	9.8	9.2	8.8	8.5	8.2	7.9	7.9
60°	12.3	11.9	11.7	11.4	11.2	10.9	10.2	9.6	8.9	8.6	8.2
57.5°	14.0	13.7	13.2	12.7	12.1	11.7	11.3	11.0	10.3	9.6	8.8
55°	14.9	14.7	14.4	14.1	13.7	13.0	12.3	11.7	11.3	10.9	10.0
52.5°	15.9	15.6	15.3	15.0	14.6	14.3	13.8	13.0	12.1	11.6	11.1
50°	15.9	15.9	15.9	15.8	15.4	15.0	14.6	14.2	13.5	12.5	11.7
47.5°	16.6	16.3	16.0	15.9	15.9	15.8	15.3	14.9	14.4	13.8	12.7
45°	17.5	17.1	16.7	16.4	16.0	15.9	15.9	15.5	15.0	14.5	13.9
42.5°	17.8	17.8	17.6	17.1	16.7	16.2	15.9	15.9	15.7	15.1	14.5
40°	18.2	17.8	17.8	17.8	17.4	16.9	16.4	15.9	15.9	15.7	15.0
37.5°	19.1	18.7	18.2	17.8	17.8	17.6	17.0	16.4	15.9	15.9	15.5
35°	19.9	19.5	19.0	18.4	17.9	17.8	17.7	17.0	16.4	15.9	15.9
32.5°	20.8	20.3	19.7	19.2	18.6	17.9	17.8	17.6	16.9	16.2	15.9
30°	21.6	21.1	20.5	19.9	19.2	18.6	17.9	17.8	17.4	16.7	16.0
27.5°	23.0	21.8	21.2	20.6	19.9	19.2	18.4	17.8	17.8	17.1	16.4
25°	25.2	23.3	22.0	21.2	20.5	19.7	19.0	18.2	17.8	17.6	16.7
22.5°	30.7	25.6	23.3	21.8	21.1	20.3	19.5	18.7	17.8	17.8	17.1
20°	62.7	30.7	25.2	23.0	21.6	20.8	19.9	19.1	18.2	17.8	17.5
17.5°	124.4	57.3	27.5	24.2	22.3	21.2	20.3	19.5	18.6	17.8	17.8
15°	198.8	103.6	41.8	26.1	23.2	21.6	20.7	19.8	18.9	18.0	17.8
12.5°	277.6	159.6	70.1	27.8	24.2	22.1	21.0	20.1	19.2	18.2	17.8
10°	352.1	215.6	104.4	38.1	25.4	22.7	21.3	20.4	19.4	18.4	17.8
7.5°	419.3	265.3	137.5	52.7	26.5	23.2	21.5	20.5	19.6	18.6	17.8
5°	472.7	303.1	165.4	65.2	27.2	23.5	21.7	20.7	19.7	18.7	17.8
2.5°	506.9	328.4	182.5	75.7	27.6	23.7	21.8	20.8	19.8	18.8	17.8
0°	518.4	337.0	188.3	79.3	27.8	23.8	21.8	20.8	19.8	18.8	17.8
-2.5°	506.9	328.4	182.5	75.7	27.6	23.7	21.8	20.8	19.8	18.8	17.8
-5°	472.7	303.1	165.4	65.2	27.2	23.5	21.7	20.7	19.7	18.7	17.8
-7.5°	419.3	265.3	137.5	52.7	26.5	23.2	21.5	20.5	19.6	18.6	17.8
-10°	352.1	215.6	104.4	38.1	25.4	22.7	21.3	20.4	19.4	18.4	17.8
-12.5°	277.6	159.6	70.1	27.8	24.2	22.1	21.0	20.1	19.2	18.2	17.8
-15°	198.8	103.6	41.8	26.1	23.2	21.6	20.7	19.8	18.9	18.0	17.8
-17.5°	124.4	57.3	27.5	24.2	22.3	21.2	20.3	19.5	18.6	17.8	17.8
-20°	62.7	30.7	25.2	23.0	21.6	20.8	19.9	19.1	18.2	17.8	17.5



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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°	30.7	25.6	23.3	21.8	21.1	20.3	19.5	18.7	17.8	17.8	17.1
-25°	25.2	23.3	22.0	21.2	20.5	19.7	19.0	18.2	17.8	17.6	16.7
-27.5°	23.0	21.8	21.2	20.6	19.9	19.2	18.4	17.8	17.8	17.1	16.4
-30°	21.6	21.1	20.5	19.9	19.2	18.6	17.9	17.8	17.4	16.7	16.0
-32.5°	20.8	20.3	19.7	19.2	18.6	17.9	17.8	17.6	16.9	16.2	15.9
-35°	19.9	19.5	19.0	18.4	17.9	17.8	17.7	17.0	16.4	15.9	15.9
-37.5°	19.1	18.7	18.2	17.8	17.8	17.6	17.0	16.4	15.9	15.9	15.5
-40°	18.2	17.8	17.8	17.8	17.4	16.9	16.4	15.9	15.9	15.7	15.0
-42.5°	17.8	17.8	17.6	17.1	16.7	16.2	15.9	15.9	15.7	15.1	14.5
-45°	17.5	17.1	16.7	16.4	16.0	15.9	15.9	15.5	15.0	14.5	13.9
-47.5°	16.6	16.3	16.0	15.9	15.9	15.8	15.3	14.9	14.4	13.8	12.7
-50°	15.9	15.9	15.9	15.8	15.4	15.0	14.6	14.2	13.5	12.5	11.7
-52.5°	15.9	15.6	15.3	15.0	14.6	14.3	13.8	13.0	12.1	11.6	11.1
-55°	14.9	14.7	14.4	14.1	13.7	13.0	12.3	11.7	11.3	10.9	10.0
-57.5°	14.0	13.7	13.2	12.7	12.1	11.7	11.3	11.0	10.3	9.6	8.8
-60°	12.3	11.9	11.7	11.4	11.2	10.9	10.2	9.6	8.9	8.6	8.2
-62.5°	11.2	11.0	10.7	10.2	9.8	9.2	8.8	8.5	8.2	7.9	7.9
-65°	9.6	9.3	8.9	8.7	8.5	8.3	8.0	7.9	7.9	7.9	7.9
-67.5°	8.3	8.2	8.0	7.9	7.9	7.9	7.9	7.9	7.7	7.5	7.2
-70°	7.9	7.9	7.9	7.9	7.8	7.6	7.4	7.2	7.0	6.7	6.5
-72.5°	7.5	7.4	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8
-75°	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.5	5.4	5.2
-77.5°	5.6	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°	5.6	5.4	5.2	5.0	4.7	4.5	4.2	3.8	3.3	2.7	2.2
70°	6.2	6.0	5.7	5.5	5.2	4.9	4.6	4.3	4.0	3.4	2.7
67.5°	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.7	4.4	4.0	3.3
65°	7.5	7.2	6.9	6.5	6.1	5.8	5.5	5.1	4.7	4.3	3.8
62.5°	7.9	7.8	7.4	7.0	6.6	6.2	5.8	5.5	5.1	4.6	4.2
60°	7.9	7.9	7.9	7.6	7.1	6.7	6.2	5.8	5.4	4.9	4.5
57.5°	8.4	8.0	7.9	7.9	7.6	7.1	6.6	6.1	5.7	5.2	4.7
55°	9.1	8.6	8.1	7.9	7.9	7.6	7.0	6.5	6.0	5.5	5.0
52.5°	10.3	9.3	8.6	8.1	7.9	7.9	7.4	6.9	6.3	5.7	5.2
50°	11.2	10.4	9.3	8.6	8.0	7.9	7.8	7.2	6.6	6.0	5.4
47.5°	11.8	11.2	10.3	9.1	8.4	7.9	7.9	7.5	6.9	6.2	5.6
45°	12.7	11.7	11.1	10.0	8.8	8.2	7.9	7.9	7.2	6.5	5.8
42.5°	13.8	12.5	11.6	10.9	9.6	8.6	7.9	7.9	7.5	6.7	6.0
40°	14.4	13.5	12.1	11.3	10.3	8.9	8.2	7.9	7.7	7.0	6.2
37.5°	14.9	14.2	13.0	11.7	11.0	9.6	8.5	7.9	7.9	7.2	6.4
35°	15.3	14.6	13.8	12.3	11.3	10.2	8.8	8.0	7.9	7.4	6.6
32.5°	15.8	15.0	14.3	13.0	11.7	10.9	9.2	8.3	7.9	7.6	6.8
30°	15.9	15.4	14.6	13.7	12.1	11.2	9.8	8.5	7.9	7.8	6.9
27.5°	15.9	15.8	15.0	14.1	12.7	11.4	10.2	8.7	7.9	7.9	7.1
25°	16.0	15.9	15.3	14.4	13.2	11.7	10.7	8.9	8.0	7.9	7.2
22.5°	16.3	15.9	15.6	14.7	13.7	11.9	11.0	9.3	8.2	7.9	7.4
20°	16.6	15.9	15.9	14.9	14.0	12.3	11.2	9.6	8.3	7.9	7.5
17.5°	16.8	16.0	15.9	15.2	14.2	12.7	11.4	9.9	8.5	7.9	7.6
15°	17.1	16.2	15.9	15.4	14.4	13.0	11.5	10.2	8.6	7.9	7.7
12.5°	17.3	16.4	15.9	15.5	14.6	13.3	11.6	10.4	8.7	7.9	7.7
10°	17.5	16.5	15.9	15.7	14.7	13.5	11.7	10.6	8.8	7.9	7.8
7.5°	17.6	16.7	15.9	15.8	14.8	13.7	11.8	10.7	8.8	7.9	7.8
5°	17.7	16.7	15.9	15.8	14.8	13.8	11.9	10.8	8.9	7.9	7.9
2.5°	17.8	16.8	15.9	15.9	14.9	13.9	11.9	10.9	8.9	7.9	7.9
0°	17.8	16.8	15.9	15.9	14.9	13.9	11.9	10.9	8.9	7.9	7.9
-2.5°	17.8	16.8	15.9	15.9	14.9	13.9	11.9	10.9	8.9	7.9	7.9
-5°	17.7	16.7	15.9	15.8	14.8	13.8	11.9	10.8	8.9	7.9	7.9
-7.5°	17.6	16.7	15.9	15.8	14.8	13.7	11.8	10.7	8.8	7.9	7.8
-10°	17.5	16.5	15.9	15.7	14.7	13.5	11.7	10.6	8.8	7.9	7.8
-12.5°	17.3	16.4	15.9	15.5	14.6	13.3	11.6	10.4	8.7	7.9	7.7
-15°	17.1	16.2	15.9	15.4	14.4	13.0	11.5	10.2	8.6	7.9	7.7
-17.5°	16.8	16.0	15.9	15.2	14.2	12.7	11.4	9.9	8.5	7.9	7.6
-20°	16.6	15.9	15.9	14.9	14.0	12.3	11.2	9.6	8.3	7.9	7.5



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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°	16.3	15.9	15.6	14.7	13.7	11.9	11.0	9.3	8.2	7.9	7.4
-25°	16.0	15.9	15.3	14.4	13.2	11.7	10.7	8.9	8.0	7.9	7.2
-27.5°	15.9	15.8	15.0	14.1	12.7	11.4	10.2	8.7	7.9	7.9	7.1
-30°	15.9	15.4	14.6	13.7	12.1	11.2	9.8	8.5	7.9	7.8	6.9
-32.5°	15.8	15.0	14.3	13.0	11.7	10.9	9.2	8.3	7.9	7.6	6.8
-35°	15.3	14.6	13.8	12.3	11.3	10.2	8.8	8.0	7.9	7.4	6.6
-37.5°	14.9	14.2	13.0	11.7	11.0	9.6	8.5	7.9	7.9	7.2	6.4
-40°	14.4	13.5	12.1	11.3	10.3	8.9	8.2	7.9	7.7	7.0	6.2
-42.5°	13.8	12.5	11.6	10.9	9.6	8.6	7.9	7.9	7.5	6.7	6.0
-45°	12.7	11.7	11.1	10.0	8.8	8.2	7.9	7.9	7.2	6.5	5.8
-47.5°	11.8	11.2	10.3	9.1	8.4	7.9	7.9	7.5	6.9	6.2	5.6
-50°	11.2	10.4	9.3	8.6	8.0	7.9	7.8	7.2	6.6	6.0	5.4
-52.5°	10.3	9.3	8.6	8.1	7.9	7.9	7.4	6.9	6.3	5.7	5.2
-55°	9.1	8.6	8.1	7.9	7.9	7.6	7.0	6.5	6.0	5.5	5.0
-57.5°	8.4	8.0	7.9	7.9	7.6	7.1	6.6	6.1	5.7	5.2	4.7
-60°	7.9	7.9	7.9	7.6	7.1	6.7	6.2	5.8	5.4	4.9	4.5
-62.5°	7.9	7.8	7.4	7.0	6.6	6.2	5.8	5.5	5.1	4.6	4.2
-65°	7.5	7.2	6.9	6.5	6.1	5.8	5.5	5.1	4.7	4.3	3.8
-67.5°	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.7	4.4	4.0	3.3
-70°	6.2	6.0	5.7	5.5	5.2	4.9	4.6	4.3	4.0	3.4	2.7
-72.5°	5.6	5.4	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°	5.5	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°	5.8	5.1	4.3	2.9	1.6	0.8	0.0
32.5°	5.9	5.2	4.4	3.1	1.7	0.8	0.0
30°	6.1	5.3	4.5	3.2	1.7	0.9	0.0
27.5°	6.2	5.4	4.5	3.3	1.8	0.9	0.0
25°	6.3	5.5	4.6	3.4	1.8	0.9	0.0
22.5°	6.4	5.6	4.7	3.5	1.8	0.9	0.0
20°	6.5	5.6	4.8	3.6	1.9	0.9	0.0
17.5°	6.6	5.7	4.8	3.7	1.9	1.0	0.0
15°	6.7	5.7	4.9	3.8	1.9	1.0	0.0
12.5°	6.8	5.8	4.9	3.9	2.0	1.0	0.0
10°	6.8	5.8	4.9	3.9	2.0	1.0	0.0
7.5°	6.8	5.9	5.0	3.9	2.0	1.0	0.0
5°	6.9	5.9	5.0	4.0	2.0	1.0	0.0
2.5°	6.9	5.9	5.0	4.0	2.0	1.0	0.0
0°	6.9	5.9	5.0	4.0	2.0	1.0	0.0
-2.5°	6.9	5.9	5.0	4.0	2.0	1.0	0.0
-5°	6.9	5.9	5.0	4.0	2.0	1.0	0.0
-7.5°	6.8	5.9	5.0	3.9	2.0	1.0	0.0
-10°	6.8	5.8	4.9	3.9	2.0	1.0	0.0
-12.5°	6.8	5.8	4.9	3.9	2.0	1.0	0.0
-15°	6.7	5.7	4.9	3.8	1.9	1.0	0.0
-17.5°	6.6	5.7	4.8	3.7	1.9	1.0	0.0
-20°	6.5	5.6	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°	6.4	5.6	4.7	3.5	1.8	0.9	0.0
-25°	6.3	5.5	4.6	3.4	1.8	0.9	0.0
-27.5°	6.2	5.4	4.5	3.3	1.8	0.9	0.0
-30°	6.1	5.3	4.5	3.2	1.7	0.9	0.0
-32.5°	5.9	5.2	4.4	3.1	1.7	0.8	0.0
-35°	5.8	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°	5.5	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)