

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: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)  
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]-LED4097-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

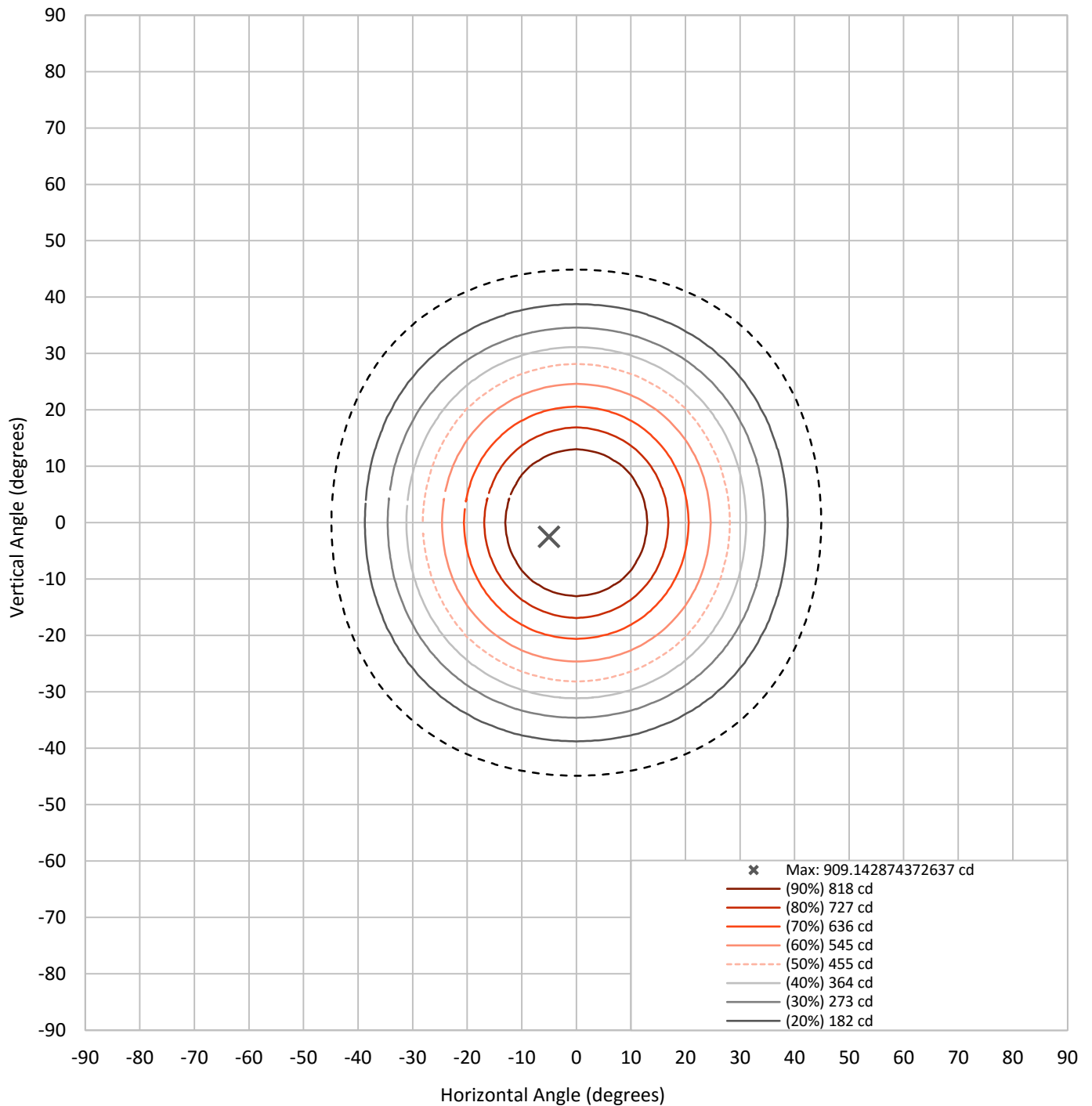
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	805.7 lumens	Max Intensity:	909.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	80.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.1°H x 55.6°V	Field Angle (10%):	89.7°H x 89.4°V
Beam Lumens:	498.3 lumens	Field Lumens:	752.2 lumens
Beam Efficiency:	61.9%	Field Efficiency:	93.4%
Input Watts (W):	10		
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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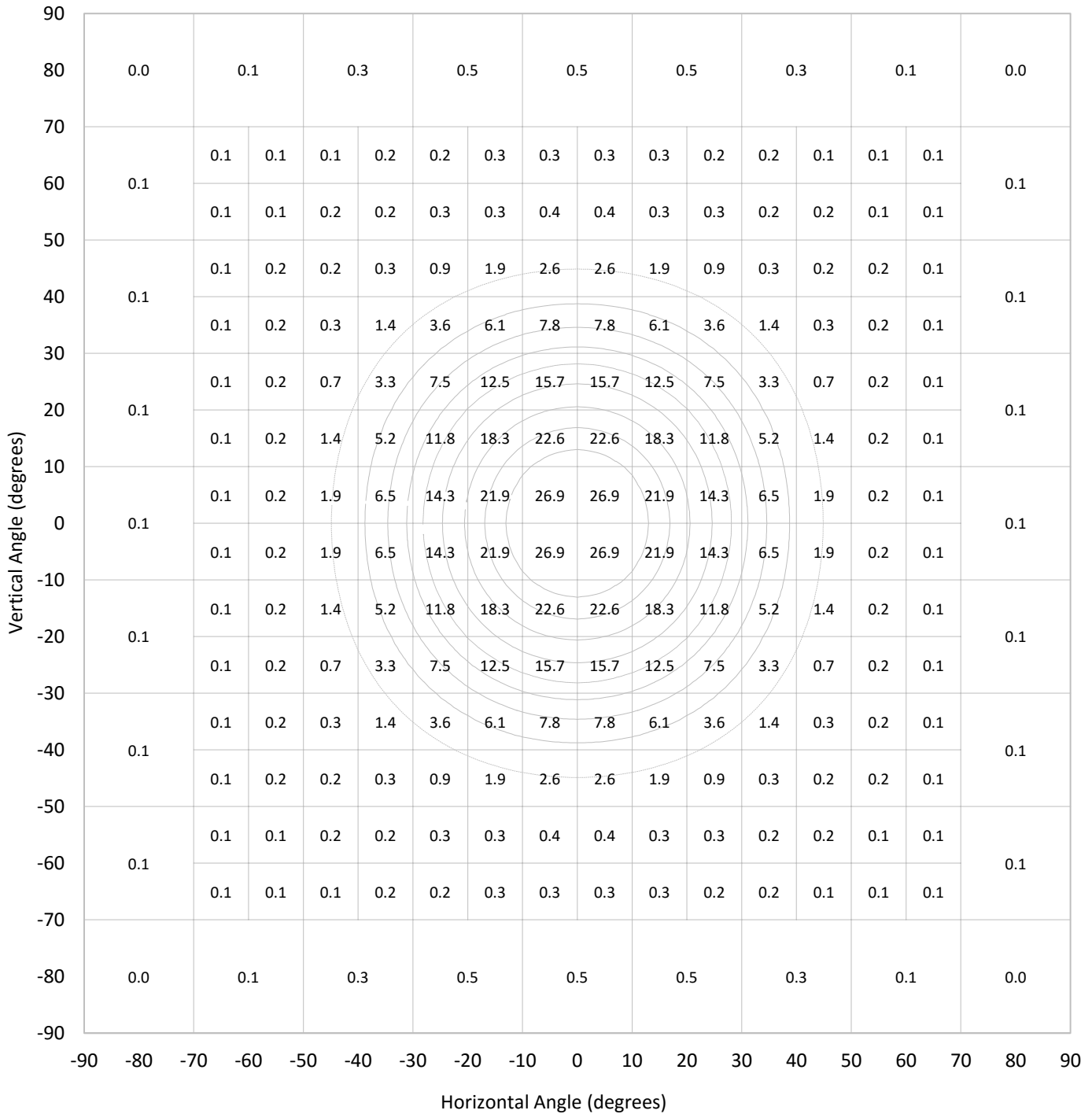
### Iso-Candela Plot





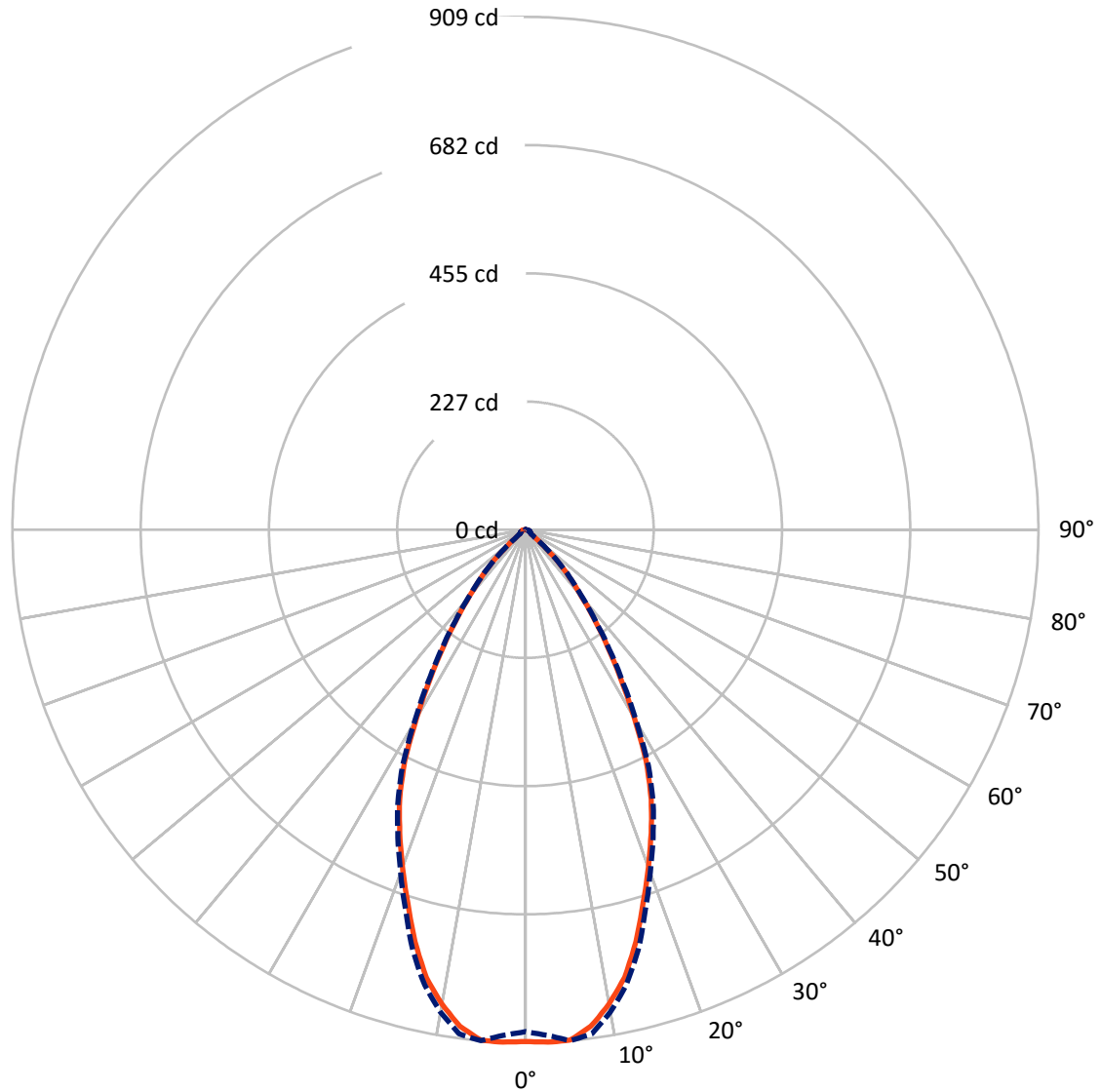
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### Lumen Table



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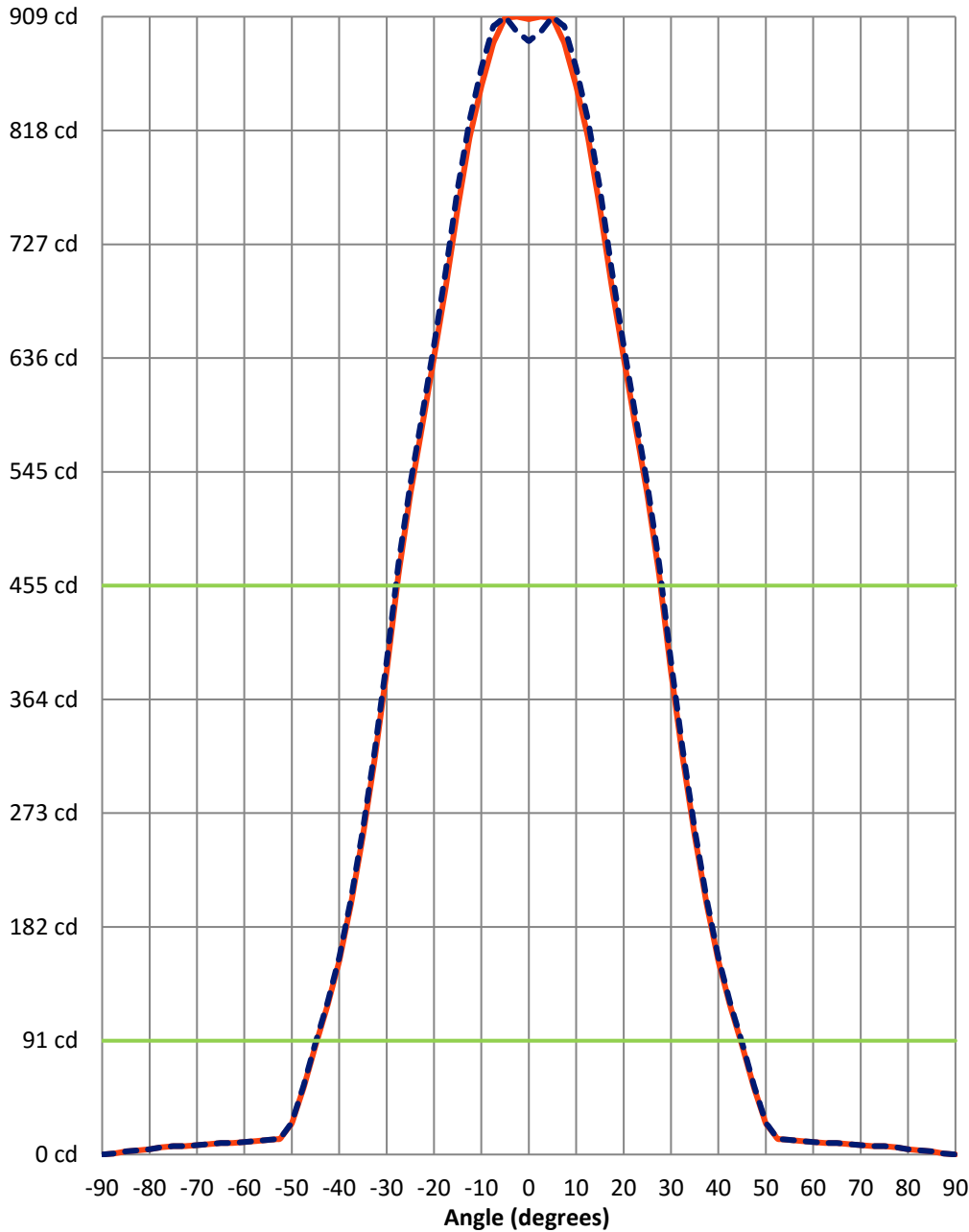
### Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg      - - - Horizontal Distribution Through -2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 56.1°  
 V Angle: 55.6°  
 Lumens: 498.3  
 Efficiency: 61.9%

**Field:**  
 H Angle: 89.7°  
 V Angle: 89.4°  
 Lumens: 752.2  
 Efficiency: 93.4%

**Spill:**  
 Lumens: 53.5  
 Efficiency: 6.6%

- Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-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	0.1	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.3
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.1	1.4	1.7	2.0
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.3	1.6	2.0	2.3	2.6
75°	0.0	0.2	0.4	0.6	0.9	1.3	1.7	2.1	2.5	2.7	2.9
72.5°	0.0	0.2	0.5	0.7	1.1	1.6	2.1	2.6	2.8	3.0	3.2
70°	0.0	0.3	0.5	0.8	1.4	2.0	2.5	2.8	3.0	3.3	3.6
67.5°	0.0	0.3	0.6	1.0	1.7	2.3	2.7	3.0	3.3	3.6	4.0
65°	0.0	0.3	0.7	1.3	2.0	2.6	2.9	3.2	3.6	4.0	4.4
62.5°	0.0	0.4	0.7	1.4	2.2	2.7	3.1	3.5	3.9	4.3	5.0
60°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.1	4.9	5.6
57.5°	0.0	0.4	0.9	1.8	2.6	3.0	3.5	3.9	4.6	5.4	6.0
55°	0.0	0.5	1.0	2.0	2.7	3.2	3.7	4.2	5.0	5.9	6.4
52.5°	0.0	0.5	1.2	2.2	2.8	3.3	3.9	4.6	5.5	6.1	6.7
50°	0.0	0.5	1.3	2.4	3.0	3.5	4.0	4.9	5.9	6.4	6.7
47.5°	0.0	0.5	1.4	2.5	3.1	3.6	4.2	5.3	6.1	6.7	6.7
45°	0.0	0.6	1.5	2.6	3.2	3.8	4.5	5.7	6.3	6.7	6.7
42.5°	0.0	0.6	1.6	2.7	3.3	3.9	4.8	5.9	6.6	6.7	6.9
40°	0.0	0.6	1.7	2.7	3.4	4.0	5.1	6.1	6.7	6.7	7.1
37.5°	0.0	0.6	1.8	2.8	3.5	4.2	5.4	6.3	6.7	6.8	7.4
35°	0.0	0.7	1.9	2.9	3.5	4.3	5.6	6.4	6.7	6.9	7.6
32.5°	0.0	0.7	2.0	2.9	3.6	4.5	5.8	6.6	6.7	7.1	7.8
30°	0.0	0.7	2.0	3.0	3.7	4.7	6.0	6.7	6.7	7.3	8.0
27.5°	0.0	0.7	2.1	3.0	3.8	4.9	6.1	6.7	6.8	7.4	8.1
25°	0.0	0.7	2.2	3.1	3.9	5.0	6.2	6.7	6.9	7.6	8.3
22.5°	0.0	0.7	2.2	3.1	3.9	5.2	6.3	6.7	7.0	7.7	8.5
20°	0.0	0.8	2.3	3.2	4.0	5.3	6.4	6.7	7.1	7.8	8.6
17.5°	0.0	0.8	2.3	3.2	4.0	5.4	6.4	6.7	7.2	7.9	8.8
15°	0.0	0.8	2.4	3.2	4.1	5.5	6.5	6.7	7.3	8.0	8.9
12.5°	0.0	0.8	2.4	3.2	4.1	5.6	6.6	6.7	7.3	8.1	9.0
10°	0.0	0.8	2.4	3.3	4.1	5.7	6.6	6.7	7.4	8.2	9.1
7.5°	0.0	0.8	2.5	3.3	4.2	5.7	6.7	6.7	7.4	8.2	9.1
5°	0.0	0.8	2.5	3.3	4.2	5.8	6.7	6.7	7.5	8.3	9.2
2.5°	0.0	0.8	2.5	3.3	4.2	5.8	6.7	6.7	7.5	8.3	9.2
0°	0.0	0.8	2.5	3.3	4.2	5.8	6.7	6.7	7.5	8.3	9.2
-2.5°	0.0	0.8	2.5	3.3	4.2	5.8	6.7	6.7	7.5	8.3	9.2
-5°	0.0	0.8	2.5	3.3	4.2	5.8	6.7	6.7	7.5	8.3	9.2
-7.5°	0.0	0.8	2.5	3.3	4.2	5.7	6.7	6.7	7.4	8.2	9.1
-10°	0.0	0.8	2.4	3.3	4.1	5.7	6.6	6.7	7.4	8.2	9.1
-12.5°	0.0	0.8	2.4	3.2	4.1	5.6	6.6	6.7	7.3	8.1	9.0
-15°	0.0	0.8	2.4	3.2	4.1	5.5	6.5	6.7	7.3	8.0	8.9
-17.5°	0.0	0.8	2.3	3.2	4.0	5.4	6.4	6.7	7.2	7.9	8.8
-20°	0.0	0.8	2.3	3.2	4.0	5.3	6.4	6.7	7.1	7.8	8.6



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.7	2.2	3.1	3.9	5.2	6.3	6.7	7.0	7.7	8.5
-25°	0.0	0.7	2.2	3.1	3.9	5.0	6.2	6.7	6.9	7.6	8.3
-27.5°	0.0	0.7	2.1	3.0	3.8	4.9	6.1	6.7	6.8	7.4	8.1
-30°	0.0	0.7	2.0	3.0	3.7	4.7	6.0	6.7	6.7	7.3	8.0
-32.5°	0.0	0.7	2.0	2.9	3.6	4.5	5.8	6.6	6.7	7.1	7.8
-35°	0.0	0.7	1.9	2.9	3.5	4.3	5.6	6.4	6.7	6.9	7.6
-37.5°	0.0	0.6	1.8	2.8	3.5	4.2	5.4	6.3	6.7	6.8	7.4
-40°	0.0	0.6	1.7	2.7	3.4	4.0	5.1	6.1	6.7	6.7	7.1
-42.5°	0.0	0.6	1.6	2.7	3.3	3.9	4.8	5.9	6.6	6.7	6.9
-45°	0.0	0.6	1.5	2.6	3.2	3.8	4.5	5.7	6.3	6.7	6.7
-47.5°	0.0	0.5	1.4	2.5	3.1	3.6	4.2	5.3	6.1	6.7	6.7
-50°	0.0	0.5	1.3	2.4	3.0	3.5	4.0	4.9	5.9	6.4	6.7
-52.5°	0.0	0.5	1.2	2.2	2.8	3.3	3.9	4.6	5.5	6.1	6.7
-55°	0.0	0.5	1.0	2.0	2.7	3.2	3.7	4.2	5.0	5.9	6.4
-57.5°	0.0	0.4	0.9	1.8	2.6	3.0	3.5	3.9	4.6	5.4	6.0
-60°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.1	4.9	5.6
-62.5°	0.0	0.4	0.7	1.4	2.2	2.7	3.1	3.5	3.9	4.3	5.0
-65°	0.0	0.3	0.7	1.3	2.0	2.6	2.9	3.2	3.6	4.0	4.4
-67.5°	0.0	0.3	0.6	1.0	1.7	2.3	2.7	3.0	3.3	3.6	4.0
-70°	0.0	0.3	0.5	0.8	1.4	2.0	2.5	2.8	3.0	3.3	3.6
-72.5°	0.0	0.2	0.5	0.7	1.1	1.6	2.1	2.6	2.8	3.0	3.2
-75°	0.0	0.2	0.4	0.6	0.9	1.3	1.7	2.1	2.5	2.7	2.9
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.3	1.6	2.0	2.3	2.6
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.1	1.4	1.7	2.0
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.3
-85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	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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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

**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°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.8
82.5°	1.4	1.6	1.8	2.0	2.2	2.4	2.5	2.6	2.7	2.7	2.8
80°	2.2	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.5
77.5°	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.0	4.2
75°	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.5	4.8	5.1	5.4
72.5°	3.5	3.7	3.9	4.2	4.6	4.9	5.3	5.7	5.9	6.1	6.3
70°	3.9	4.1	4.6	5.0	5.5	5.9	6.1	6.3	6.6	6.7	6.7
67.5°	4.3	4.9	5.4	5.9	6.1	6.4	6.7	6.7	6.7	6.7	6.8
65°	5.0	5.6	6.0	6.4	6.7	6.7	6.7	6.7	6.9	7.1	7.4
62.5°	5.7	6.1	6.5	6.7	6.7	6.7	6.9	7.2	7.5	7.7	8.0
60°	6.1	6.5	6.7	6.7	6.8	7.1	7.4	7.7	8.0	8.3	8.6
57.5°	6.5	6.7	6.7	6.8	7.2	7.6	7.9	8.2	8.6	8.9	9.2
55°	6.7	6.7	6.8	7.2	7.6	8.0	8.4	8.8	9.2	9.2	9.2
52.5°	6.7	6.8	7.2	7.6	8.1	8.5	8.9	9.2	9.2	9.3	9.6
50°	6.7	7.1	7.6	8.0	8.5	9.0	9.2	9.2	9.5	9.8	10.2
47.5°	6.9	7.4	7.9	8.4	8.9	9.2	9.2	9.5	10.0	10.4	10.8
45°	7.2	7.7	8.2	8.8	9.2	9.2	9.5	10.0	10.5	10.9	11.4
42.5°	7.5	8.0	8.6	9.2	9.2	9.5	10.0	10.5	11.0	11.5	12.0
40°	7.7	8.3	8.9	9.2	9.3	9.8	10.4	10.9	11.5	12.0	12.5
37.5°	8.0	8.6	9.2	9.2	9.6	10.2	10.8	11.4	12.0	12.5	20.5
35°	8.2	8.9	9.2	9.4	10.0	10.6	11.2	11.8	12.4	19.8	32.2
32.5°	8.5	9.2	9.2	9.7	10.3	10.9	11.6	12.2	17.5	28.8	49.8
30°	8.7	9.2	9.3	9.9	10.6	11.3	12.0	13.9	24.1	44.5	68.1
27.5°	8.9	9.2	9.5	10.2	10.9	11.6	12.3	19.7	35.9	60.0	86.2
25°	9.1	9.2	9.7	10.4	11.2	11.9	13.9	25.0	48.9	75.9	102.3
22.5°	9.2	9.2	9.9	10.6	11.4	12.2	18.5	35.3	61.7	90.6	117.0
20°	9.2	9.4	10.1	10.8	11.7	12.4	22.7	45.5	74.3	103.2	131.9
17.5°	9.2	9.5	10.3	11.0	11.9	14.1	27.2	54.7	85.6	114.5	146.1
15°	9.2	9.6	10.4	11.2	12.0	17.2	34.6	63.7	95.2	124.9	158.8
12.5°	9.2	9.8	10.5	11.4	12.2	19.8	41.0	71.6	103.1	134.9	172.8
10°	9.2	9.8	10.6	11.5	12.3	21.9	46.3	78.2	109.7	143.2	184.5
7.5°	9.2	9.9	10.7	11.6	12.4	23.6	50.4	83.3	114.9	149.8	193.7
5°	9.2	10.0	10.8	11.6	12.4	24.8	53.4	87.0	118.6	154.5	200.4
2.5°	9.2	10.0	10.8	11.7	12.5	25.6	55.2	89.3	120.8	157.3	204.5
0°	9.2	10.0	10.8	11.7	12.5	25.8	55.8	90.0	121.6	158.3	205.8
-2.5°	9.2	10.0	10.8	11.7	12.5	25.8	55.8	90.0	121.6	158.3	205.8
-5°	9.2	10.0	10.8	11.6	12.4	24.8	53.4	87.0	118.6	154.5	200.4
-7.5°	9.2	9.9	10.7	11.6	12.4	23.6	50.4	83.3	114.9	149.8	193.7
-10°	9.2	9.8	10.6	11.5	12.3	21.9	46.3	78.2	109.7	143.2	184.5
-12.5°	9.2	9.8	10.5	11.4	12.2	19.8	41.0	71.6	103.1	134.9	172.8
-15°	9.2	9.6	10.4	11.2	12.0	17.2	34.6	63.7	95.2	124.9	158.8
-17.5°	9.2	9.5	10.3	11.0	11.9	14.1	27.2	54.7	85.6	114.5	146.1
-20°	9.2	9.4	10.1	10.8	11.7	12.4	22.7	45.5	74.3	103.2	131.9



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	9.2	9.2	9.9	10.6	11.4	12.2	18.5	35.3	61.7	90.6	117.0
-25°	9.1	9.2	9.7	10.4	11.2	11.9	13.9	25.0	48.9	75.9	102.3
-27.5°	8.9	9.2	9.5	10.2	10.9	11.6	12.3	19.7	35.9	60.0	86.2
-30°	8.7	9.2	9.3	9.9	10.6	11.3	12.0	13.9	24.1	44.5	68.1
-32.5°	8.5	9.2	9.2	9.7	10.3	10.9	11.6	12.2	17.5	28.8	49.8
-35°	8.2	8.9	9.2	9.4	10.0	10.6	11.2	11.8	12.4	19.8	32.2
-37.5°	8.0	8.6	9.2	9.2	9.6	10.2	10.8	11.4	12.0	12.5	20.5
-40°	7.7	8.3	8.9	9.2	9.3	9.8	10.4	10.9	11.5	12.0	12.5
-42.5°	7.5	8.0	8.6	9.2	9.2	9.5	10.0	10.5	11.0	11.5	12.0
-45°	7.2	7.7	8.2	8.8	9.2	9.2	9.5	10.0	10.5	10.9	11.4
-47.5°	6.9	7.4	7.9	8.4	8.9	9.2	9.2	9.5	10.0	10.4	10.8
-50°	6.7	7.1	7.6	8.0	8.5	9.0	9.2	9.2	9.5	9.8	10.2
-52.5°	6.7	6.8	7.2	7.6	8.1	8.5	8.9	9.2	9.2	9.3	9.6
-55°	6.7	6.7	6.8	7.2	7.6	8.0	8.4	8.8	9.2	9.2	9.2
-57.5°	6.5	6.7	6.7	6.8	7.2	7.6	7.9	8.2	8.6	8.9	9.2
-60°	6.1	6.5	6.7	6.7	6.8	7.1	7.4	7.7	8.0	8.3	8.6
-62.5°	5.7	6.1	6.5	6.7	6.7	6.7	6.9	7.2	7.5	7.7	8.0
-65°	5.0	5.6	6.0	6.4	6.7	6.7	6.7	6.7	6.9	7.1	7.4
-67.5°	4.3	4.9	5.4	5.9	6.1	6.4	6.7	6.7	6.7	6.7	6.8
-70°	3.9	4.1	4.6	5.0	5.5	5.9	6.1	6.3	6.6	6.7	6.7
-72.5°	3.5	3.7	3.9	4.2	4.6	4.9	5.3	5.7	5.9	6.1	6.3
-75°	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.5	4.8	5.1	5.4
-77.5°	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.0	4.2
-80°	2.2	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.5
-82.5°	1.4	1.6	1.8	2.0	2.2	2.4	2.5	2.6	2.7	2.7	2.8
-85°	0.7	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.8
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	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: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4
82.5°	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.3
80°	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.1
77.5°	4.3	4.5	4.7	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.7
75°	5.6	5.8	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.6
72.5°	6.4	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4
67.5°	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9	8.0	8.1	8.2
65°	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.0	9.1
62.5°	8.2	8.5	8.7	8.9	9.1	9.2	9.2	9.2	9.2	9.2	9.2
60°	8.9	9.2	9.2	9.2	9.2	9.2	9.4	9.5	9.6	9.8	9.8
57.5°	9.2	9.2	9.3	9.5	9.7	9.9	10.1	10.3	10.4	10.5	10.6
55°	9.4	9.7	9.9	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.5
52.5°	10.0	10.3	10.6	10.9	11.2	11.4	11.7	11.9	12.0	12.2	12.3
50°	10.6	10.9	11.3	11.6	11.9	12.2	12.4	14.1	17.2	19.8	21.9
47.5°	11.2	11.6	12.0	12.3	13.9	18.5	22.7	27.2	34.6	41.0	46.3
45°	11.8	12.2	13.9	19.7	25.0	35.3	45.5	54.7	63.7	71.6	78.2
42.5°	12.4	17.5	24.1	35.9	48.9	61.7	74.3	85.6	95.2	103.1	109.7
40°	19.8	28.8	44.5	60.0	75.9	90.6	103.2	114.5	124.9	134.9	143.2
37.5°	32.2	49.8	68.1	86.2	102.3	117.0	131.9	146.1	158.8	172.8	184.5
35°	51.5	72.2	92.4	110.2	128.0	146.3	164.6	184.4	202.0	219.3	234.3
32.5°	72.2	94.3	114.3	135.2	156.1	180.8	204.3	229.2	251.6	272.4	290.9
30°	92.4	114.3	137.6	161.9	190.8	220.1	249.7	278.9	306.5	331.4	354.3
27.5°	110.2	135.2	161.9	194.1	228.2	262.5	298.6	332.8	366.6	396.4	422.7
25°	128.0	156.1	190.8	228.2	267.3	308.6	350.4	391.1	429.8	467.2	494.0
22.5°	146.3	180.8	220.1	262.5	308.6	356.4	403.9	453.1	493.5	524.6	549.1
20°	164.6	204.3	249.7	298.6	350.4	403.9	461.0	506.1	542.4	572.6	598.8
17.5°	184.4	229.2	278.9	332.8	391.1	453.1	506.1	548.3	584.7	619.0	648.1
15°	202.0	251.6	306.5	366.6	429.8	493.5	542.4	584.7	626.0	663.0	699.0
12.5°	219.3	272.4	331.4	396.4	467.2	524.6	572.6	619.0	663.0	708.2	751.7
10°	234.3	290.9	354.3	422.7	494.0	549.1	598.8	648.1	699.0	751.7	798.8
7.5°	246.1	305.6	372.5	446.1	514.0	568.1	621.0	673.3	731.1	788.2	831.0
5°	254.7	316.3	385.7	463.1	527.4	581.9	637.0	693.6	756.1	812.4	853.6
2.5°	259.9	322.7	393.8	471.9	535.5	590.6	646.6	706.6	771.8	826.1	868.0
0°	261.6	324.9	396.5	474.9	538.2	593.6	649.8	711.0	777.2	830.6	873.1
-2.5°	259.9	322.7	393.8	471.9	535.5	590.6	646.6	706.6	771.8	826.1	868.0
-5°	254.7	316.3	385.7	463.1	527.4	581.9	637.0	693.6	756.1	812.4	853.6
-7.5°	246.1	305.6	372.5	446.1	514.0	568.1	621.0	673.3	731.1	788.2	831.0
-10°	234.3	290.9	354.3	422.7	494.0	549.1	598.8	648.1	699.0	751.7	798.8
-12.5°	219.3	272.4	331.4	396.4	467.2	524.6	572.6	619.0	663.0	708.2	751.7
-15°	202.0	251.6	306.5	366.6	429.8	493.5	542.4	584.7	626.0	663.0	699.0
-17.5°	184.4	229.2	278.9	332.8	391.1	453.1	506.1	548.3	584.7	619.0	648.1
-20°	164.6	204.3	249.7	298.6	350.4	403.9	461.0	506.1	542.4	572.6	598.8



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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°	146.3	180.8	220.1	262.5	308.6	356.4	403.9	453.1	493.5	524.6	549.1
-25°	128.0	156.1	190.8	228.2	267.3	308.6	350.4	391.1	429.8	467.2	494.0
-27.5°	110.2	135.2	161.9	194.1	228.2	262.5	298.6	332.8	366.6	396.4	422.7
-30°	92.4	114.3	137.6	161.9	190.8	220.1	249.7	278.9	306.5	331.4	354.3
-32.5°	72.2	94.3	114.3	135.2	156.1	180.8	204.3	229.2	251.6	272.4	290.9
-35°	51.5	72.2	92.4	110.2	128.0	146.3	164.6	184.4	202.0	219.3	234.3
-37.5°	32.2	49.8	68.1	86.2	102.3	117.0	131.9	146.1	158.8	172.8	184.5
-40°	19.8	28.8	44.5	60.0	75.9	90.6	103.2	114.5	124.9	134.9	143.2
-42.5°	12.4	17.5	24.1	35.9	48.9	61.7	74.3	85.6	95.2	103.1	109.7
-45°	11.8	12.2	13.9	19.7	25.0	35.3	45.5	54.7	63.7	71.6	78.2
-47.5°	11.2	11.6	12.0	12.3	13.9	18.5	22.7	27.2	34.6	41.0	46.3
-50°	10.6	10.9	11.3	11.6	11.9	12.2	12.4	14.1	17.2	19.8	21.9
-52.5°	10.0	10.3	10.6	10.9	11.2	11.4	11.7	11.9	12.0	12.2	12.3
-55°	9.4	9.7	9.9	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.5
-57.5°	9.2	9.2	9.3	9.5	9.7	9.9	10.1	10.3	10.4	10.5	10.6
-60°	8.9	9.2	9.2	9.2	9.2	9.2	9.4	9.5	9.6	9.8	9.8
-62.5°	8.2	8.5	8.7	8.9	9.1	9.2	9.2	9.2	9.2	9.2	9.2
-65°	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.0	9.1
-67.5°	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9	8.0	8.1	8.2
-70°	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4
-72.5°	6.4	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-75°	5.6	5.8	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.6
-77.5°	4.3	4.5	4.7	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.7
-80°	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.1
-82.5°	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.3
-85°	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.0
77.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.4
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.3	7.2
67.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.0	7.9
65°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	8.9	8.8
62.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
60°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.8	9.6	9.5
57.5°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.6	10.5	10.4	10.3
55°	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.5	11.4	11.2	11.0
52.5°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.3	12.2	12.0	11.9
50°	23.6	24.8	25.6	25.8	25.6	24.8	23.6	21.9	19.8	17.2	14.1
47.5°	50.4	53.4	55.2	55.8	55.2	53.4	50.4	46.3	41.0	34.6	27.2
45°	83.3	87.0	89.3	90.0	89.3	87.0	83.3	78.2	71.6	63.7	54.7
42.5°	114.9	118.6	120.8	121.6	120.8	118.6	114.9	109.7	103.1	95.2	85.6
40°	149.8	154.5	157.3	158.3	157.3	154.5	149.8	143.2	134.9	124.9	114.5
37.5°	193.7	200.4	204.5	205.8	204.5	200.4	193.7	184.5	172.8	158.8	146.1
35°	246.1	254.7	259.9	261.6	259.9	254.7	246.1	234.3	219.3	202.0	184.4
32.5°	305.6	316.3	322.7	324.9	322.7	316.3	305.6	290.9	272.4	251.6	229.2
30°	372.5	385.7	393.8	396.5	393.8	385.7	372.5	354.3	331.4	306.5	278.9
27.5°	446.1	463.1	471.9	474.9	471.9	463.1	446.1	422.7	396.4	366.6	332.8
25°	514.0	527.4	535.5	538.2	535.5	527.4	514.0	494.0	467.2	429.8	391.1
22.5°	568.1	581.9	590.6	593.6	590.6	581.9	568.1	549.1	524.6	493.5	453.1
20°	621.0	637.0	646.6	649.8	646.6	637.0	621.0	598.8	572.6	542.4	506.1
17.5°	673.3	693.6	706.6	711.0	706.6	693.6	673.3	648.1	619.0	584.7	548.3
15°	731.1	756.1	771.8	777.2	771.8	756.1	731.1	699.0	663.0	626.0	584.7
12.5°	788.2	812.4	826.1	830.6	826.1	812.4	788.2	751.7	708.2	663.0	619.0
10°	831.0	853.6	868.0	873.1	868.0	853.6	831.0	798.8	751.7	699.0	648.1
7.5°	863.2	887.9	901.3	904.7	901.3	887.9	863.2	831.0	788.2	731.1	673.3
5°	887.9	908.3	909.1	907.2	909.1	908.3	887.9	853.6	812.4	756.1	693.6
2.5°	901.3	909.1	897.0	889.7	897.0	909.1	901.3	868.0	826.1	771.8	706.6
0°	904.7	907.2	889.7	887.2	889.7	907.2	904.7	873.1	830.6	777.2	711.0
-2.5°	901.3	909.1	897.0	889.7	897.0	909.1	901.3	868.0	826.1	771.8	706.6
-5°	887.9	908.3	909.1	907.2	909.1	908.3	887.9	853.6	812.4	756.1	693.6
-7.5°	863.2	887.9	901.3	904.7	901.3	887.9	863.2	831.0	788.2	731.1	673.3
-10°	831.0	853.6	868.0	873.1	868.0	853.6	831.0	798.8	751.7	699.0	648.1
-12.5°	788.2	812.4	826.1	830.6	826.1	812.4	788.2	751.7	708.2	663.0	619.0
-15°	731.1	756.1	771.8	777.2	771.8	756.1	731.1	699.0	663.0	626.0	584.7
-17.5°	673.3	693.6	706.6	711.0	706.6	693.6	673.3	648.1	619.0	584.7	548.3
-20°	621.0	637.0	646.6	649.8	646.6	637.0	621.0	598.8	572.6	542.4	506.1



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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°	568.1	581.9	590.6	593.6	590.6	581.9	568.1	549.1	524.6	493.5	453.1
-25°	514.0	527.4	535.5	538.2	535.5	527.4	514.0	494.0	467.2	429.8	391.1
-27.5°	446.1	463.1	471.9	474.9	471.9	463.1	446.1	422.7	396.4	366.6	332.8
-30°	372.5	385.7	393.8	396.5	393.8	385.7	372.5	354.3	331.4	306.5	278.9
-32.5°	305.6	316.3	322.7	324.9	322.7	316.3	305.6	290.9	272.4	251.6	229.2
-35°	246.1	254.7	259.9	261.6	259.9	254.7	246.1	234.3	219.3	202.0	184.4
-37.5°	193.7	200.4	204.5	205.8	204.5	200.4	193.7	184.5	172.8	158.8	146.1
-40°	149.8	154.5	157.3	158.3	157.3	154.5	149.8	143.2	134.9	124.9	114.5
-42.5°	114.9	118.6	120.8	121.6	120.8	118.6	114.9	109.7	103.1	95.2	85.6
-45°	83.3	87.0	89.3	90.0	89.3	87.0	83.3	78.2	71.6	63.7	54.7
-47.5°	50.4	53.4	55.2	55.8	55.2	53.4	50.4	46.3	41.0	34.6	27.2
-50°	23.6	24.8	25.6	25.8	25.6	24.8	23.6	21.9	19.8	17.2	14.1
-52.5°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.3	12.2	12.0	11.9
-55°	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.5	11.4	11.2	11.0
-57.5°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.6	10.5	10.4	10.3
-60°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.8	9.6	9.5
-62.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-65°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	8.9	8.8
-67.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.0	7.9
-70°	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.3	7.2
-72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4
-77.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.4
-80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.0
-82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-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°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.6	1.5
82.5°	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
80°	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2
77.5°	5.3	5.2	5.0	4.9	4.7	4.5	4.3	4.2	4.0	3.9	3.8
75°	6.4	6.3	6.2	6.1	6.0	5.8	5.6	5.4	5.1	4.8	4.5
72.5°	6.7	6.7	6.7	6.7	6.7	6.6	6.4	6.3	6.1	5.9	5.7
70°	7.1	7.0	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.3
67.5°	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.8	6.7	6.7	6.7
65°	8.6	8.5	8.3	8.1	8.0	7.8	7.6	7.4	7.1	6.9	6.7
62.5°	9.2	9.2	9.1	8.9	8.7	8.5	8.2	8.0	7.7	7.5	7.2
60°	9.4	9.2	9.2	9.2	9.2	9.2	8.9	8.6	8.3	8.0	7.7
57.5°	10.1	9.9	9.7	9.5	9.3	9.2	9.2	9.2	8.9	8.6	8.2
55°	10.8	10.6	10.4	10.2	9.9	9.7	9.4	9.2	9.2	9.2	8.8
52.5°	11.7	11.4	11.2	10.9	10.6	10.3	10.0	9.6	9.3	9.2	9.2
50°	12.4	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.8	9.5	9.2
47.5°	22.7	18.5	13.9	12.3	12.0	11.6	11.2	10.8	10.4	10.0	9.5
45°	45.5	35.3	25.0	19.7	13.9	12.2	11.8	11.4	10.9	10.5	10.0
42.5°	74.3	61.7	48.9	35.9	24.1	17.5	12.4	12.0	11.5	11.0	10.5
40°	103.2	90.6	75.9	60.0	44.5	28.8	19.8	12.5	12.0	11.5	10.9
37.5°	131.9	117.0	102.3	86.2	68.1	49.8	32.2	20.5	12.5	12.0	11.4
35°	164.6	146.3	128.0	110.2	92.4	72.2	51.5	32.2	19.8	12.4	11.8
32.5°	204.3	180.8	156.1	135.2	114.3	94.3	72.2	49.8	28.8	17.5	12.2
30°	249.7	220.1	190.8	161.9	137.6	114.3	92.4	68.1	44.5	24.1	13.9
27.5°	298.6	262.5	228.2	194.1	161.9	135.2	110.2	86.2	60.0	35.9	19.7
25°	350.4	308.6	267.3	228.2	190.8	156.1	128.0	102.3	75.9	48.9	25.0
22.5°	403.9	356.4	308.6	262.5	220.1	180.8	146.3	117.0	90.6	61.7	35.3
20°	461.0	403.9	350.4	298.6	249.7	204.3	164.6	131.9	103.2	74.3	45.5
17.5°	506.1	453.1	391.1	332.8	278.9	229.2	184.4	146.1	114.5	85.6	54.7
15°	542.4	493.5	429.8	366.6	306.5	251.6	202.0	158.8	124.9	95.2	63.7
12.5°	572.6	524.6	467.2	396.4	331.4	272.4	219.3	172.8	134.9	103.1	71.6
10°	598.8	549.1	494.0	422.7	354.3	290.9	234.3	184.5	143.2	109.7	78.2
7.5°	621.0	568.1	514.0	446.1	372.5	305.6	246.1	193.7	149.8	114.9	83.3
5°	637.0	581.9	527.4	463.1	385.7	316.3	254.7	200.4	154.5	118.6	87.0
2.5°	646.6	590.6	535.5	471.9	393.8	322.7	259.9	204.5	157.3	120.8	89.3
0°	649.8	593.6	538.2	474.9	396.5	324.9	261.6	205.8	158.3	121.6	90.0
-2.5°	646.6	590.6	535.5	471.9	393.8	322.7	259.9	204.5	157.3	120.8	89.3
-5°	637.0	581.9	527.4	463.1	385.7	316.3	254.7	200.4	154.5	118.6	87.0
-7.5°	621.0	568.1	514.0	446.1	372.5	305.6	246.1	193.7	149.8	114.9	83.3
-10°	598.8	549.1	494.0	422.7	354.3	290.9	234.3	184.5	143.2	109.7	78.2
-12.5°	572.6	524.6	467.2	396.4	331.4	272.4	219.3	172.8	134.9	103.1	71.6
-15°	542.4	493.5	429.8	366.6	306.5	251.6	202.0	158.8	124.9	95.2	63.7
-17.5°	506.1	453.1	391.1	332.8	278.9	229.2	184.4	146.1	114.5	85.6	54.7
-20°	461.0	403.9	350.4	298.6	249.7	204.3	164.6	131.9	103.2	74.3	45.5



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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°	403.9	356.4	308.6	262.5	220.1	180.8	146.3	117.0	90.6	61.7	35.3
-25°	350.4	308.6	267.3	228.2	190.8	156.1	128.0	102.3	75.9	48.9	25.0
-27.5°	298.6	262.5	228.2	194.1	161.9	135.2	110.2	86.2	60.0	35.9	19.7
-30°	249.7	220.1	190.8	161.9	137.6	114.3	92.4	68.1	44.5	24.1	13.9
-32.5°	204.3	180.8	156.1	135.2	114.3	94.3	72.2	49.8	28.8	17.5	12.2
-35°	164.6	146.3	128.0	110.2	92.4	72.2	51.5	32.2	19.8	12.4	11.8
-37.5°	131.9	117.0	102.3	86.2	68.1	49.8	32.2	20.5	12.5	12.0	11.4
-40°	103.2	90.6	75.9	60.0	44.5	28.8	19.8	12.5	12.0	11.5	10.9
-42.5°	74.3	61.7	48.9	35.9	24.1	17.5	12.4	12.0	11.5	11.0	10.5
-45°	45.5	35.3	25.0	19.7	13.9	12.2	11.8	11.4	10.9	10.5	10.0
-47.5°	22.7	18.5	13.9	12.3	12.0	11.6	11.2	10.8	10.4	10.0	9.5
-50°	12.4	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.8	9.5	9.2
-52.5°	11.7	11.4	11.2	10.9	10.6	10.3	10.0	9.6	9.3	9.2	9.2
-55°	10.8	10.6	10.4	10.2	9.9	9.7	9.4	9.2	9.2	9.2	8.8
-57.5°	10.1	9.9	9.7	9.5	9.3	9.2	9.2	9.2	8.9	8.6	8.2
-60°	9.4	9.2	9.2	9.2	9.2	9.2	8.9	8.6	8.3	8.0	7.7
-62.5°	9.2	9.2	9.1	8.9	8.7	8.5	8.2	8.0	7.7	7.5	7.2
-65°	8.6	8.5	8.3	8.1	8.0	7.8	7.6	7.4	7.1	6.9	6.7
-67.5°	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.8	6.7	6.7	6.7
-70°	7.1	7.0	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.3
-72.5°	6.7	6.7	6.7	6.7	6.7	6.6	6.4	6.3	6.1	5.9	5.7
-75°	6.4	6.3	6.2	6.1	6.0	5.8	5.6	5.4	5.1	4.8	4.5
-77.5°	5.3	5.2	5.0	4.9	4.7	4.5	4.3	4.2	4.0	3.9	3.8
-80°	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2
-82.5°	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
-85°	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.6	1.5
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	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





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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°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	2.5	2.4	2.2	2.0	1.8	1.6	1.4	1.3	1.0	0.8	0.7
80°	3.1	3.0	2.8	2.7	2.6	2.5	2.2	2.0	1.7	1.4	1.1
77.5°	3.6	3.5	3.3	3.2	3.0	2.9	2.7	2.6	2.3	2.0	1.6
75°	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.1
72.5°	5.3	4.9	4.6	4.2	3.9	3.7	3.5	3.2	3.0	2.8	2.6
70°	6.1	5.9	5.5	5.0	4.6	4.1	3.9	3.6	3.3	3.0	2.8
67.5°	6.7	6.4	6.1	5.9	5.4	4.9	4.3	4.0	3.6	3.3	3.0
65°	6.7	6.7	6.7	6.4	6.0	5.6	5.0	4.4	4.0	3.6	3.2
62.5°	6.9	6.7	6.7	6.7	6.5	6.1	5.7	5.0	4.3	3.9	3.5
60°	7.4	7.1	6.8	6.7	6.7	6.5	6.1	5.6	4.9	4.1	3.7
57.5°	7.9	7.6	7.2	6.8	6.7	6.7	6.5	6.0	5.4	4.6	3.9
55°	8.4	8.0	7.6	7.2	6.8	6.7	6.7	6.4	5.9	5.0	4.2
52.5°	8.9	8.5	8.1	7.6	7.2	6.8	6.7	6.7	6.1	5.5	4.6
50°	9.2	9.0	8.5	8.0	7.6	7.1	6.7	6.7	6.4	5.9	4.9
47.5°	9.2	9.2	8.9	8.4	7.9	7.4	6.9	6.7	6.7	6.1	5.3
45°	9.5	9.2	9.2	8.8	8.2	7.7	7.2	6.7	6.7	6.3	5.7
42.5°	10.0	9.5	9.2	9.2	8.6	8.0	7.5	6.9	6.7	6.6	5.9
40°	10.4	9.8	9.3	9.2	8.9	8.3	7.7	7.1	6.7	6.7	6.1
37.5°	10.8	10.2	9.6	9.2	9.2	8.6	8.0	7.4	6.8	6.7	6.3
35°	11.2	10.6	10.0	9.4	9.2	8.9	8.2	7.6	6.9	6.7	6.4
32.5°	11.6	10.9	10.3	9.7	9.2	9.2	8.5	7.8	7.1	6.7	6.6
30°	12.0	11.3	10.6	9.9	9.3	9.2	8.7	8.0	7.3	6.7	6.7
27.5°	12.3	11.6	10.9	10.2	9.5	9.2	8.9	8.1	7.4	6.8	6.7
25°	13.9	11.9	11.2	10.4	9.7	9.2	9.1	8.3	7.6	6.9	6.7
22.5°	18.5	12.2	11.4	10.6	9.9	9.2	9.2	8.5	7.7	7.0	6.7
20°	22.7	12.4	11.7	10.8	10.1	9.4	9.2	8.6	7.8	7.1	6.7
17.5°	27.2	14.1	11.9	11.0	10.3	9.5	9.2	8.8	7.9	7.2	6.7
15°	34.6	17.2	12.0	11.2	10.4	9.6	9.2	8.9	8.0	7.3	6.7
12.5°	41.0	19.8	12.2	11.4	10.5	9.8	9.2	9.0	8.1	7.3	6.7
10°	46.3	21.9	12.3	11.5	10.6	9.8	9.2	9.1	8.2	7.4	6.7
7.5°	50.4	23.6	12.4	11.6	10.7	9.9	9.2	9.1	8.2	7.4	6.7
5°	53.4	24.8	12.4	11.6	10.8	10.0	9.2	9.2	8.3	7.5	6.7
2.5°	55.2	25.6	12.5	11.7	10.8	10.0	9.2	9.2	8.3	7.5	6.7
0°	55.8	25.8	12.5	11.7	10.8	10.0	9.2	9.2	8.3	7.5	6.7
-2.5°	55.2	25.6	12.5	11.7	10.8	10.0	9.2	9.2	8.3	7.5	6.7
-5°	53.4	24.8	12.4	11.6	10.8	10.0	9.2	9.2	8.3	7.5	6.7
-7.5°	50.4	23.6	12.4	11.6	10.7	9.9	9.2	9.1	8.2	7.4	6.7
-10°	46.3	21.9	12.3	11.5	10.6	9.8	9.2	9.1	8.2	7.4	6.7
-12.5°	41.0	19.8	12.2	11.4	10.5	9.8	9.2	9.0	8.1	7.3	6.7
-15°	34.6	17.2	12.0	11.2	10.4	9.6	9.2	8.9	8.0	7.3	6.7
-17.5°	27.2	14.1	11.9	11.0	10.3	9.5	9.2	8.8	7.9	7.2	6.7
-20°	22.7	12.4	11.7	10.8	10.1	9.4	9.2	8.6	7.8	7.1	6.7



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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°	18.5	12.2	11.4	10.6	9.9	9.2	9.2	8.5	7.7	7.0	6.7
-25°	13.9	11.9	11.2	10.4	9.7	9.2	9.1	8.3	7.6	6.9	6.7
-27.5°	12.3	11.6	10.9	10.2	9.5	9.2	8.9	8.1	7.4	6.8	6.7
-30°	12.0	11.3	10.6	9.9	9.3	9.2	8.7	8.0	7.3	6.7	6.7
-32.5°	11.6	10.9	10.3	9.7	9.2	9.2	8.5	7.8	7.1	6.7	6.6
-35°	11.2	10.6	10.0	9.4	9.2	8.9	8.2	7.6	6.9	6.7	6.4
-37.5°	10.8	10.2	9.6	9.2	9.2	8.6	8.0	7.4	6.8	6.7	6.3
-40°	10.4	9.8	9.3	9.2	8.9	8.3	7.7	7.1	6.7	6.7	6.1
-42.5°	10.0	9.5	9.2	9.2	8.6	8.0	7.5	6.9	6.7	6.6	5.9
-45°	9.5	9.2	9.2	8.8	8.2	7.7	7.2	6.7	6.7	6.3	5.7
-47.5°	9.2	9.2	8.9	8.4	7.9	7.4	6.9	6.7	6.7	6.1	5.3
-50°	9.2	9.0	8.5	8.0	7.6	7.1	6.7	6.7	6.4	5.9	4.9
-52.5°	8.9	8.5	8.1	7.6	7.2	6.8	6.7	6.7	6.1	5.5	4.6
-55°	8.4	8.0	7.6	7.2	6.8	6.7	6.7	6.4	5.9	5.0	4.2
-57.5°	7.9	7.6	7.2	6.8	6.7	6.7	6.5	6.0	5.4	4.6	3.9
-60°	7.4	7.1	6.8	6.7	6.7	6.5	6.1	5.6	4.9	4.1	3.7
-62.5°	6.9	6.7	6.7	6.7	6.5	6.1	5.7	5.0	4.3	3.9	3.5
-65°	6.7	6.7	6.7	6.4	6.0	5.6	5.0	4.4	4.0	3.6	3.2
-67.5°	6.7	6.4	6.1	5.9	5.4	4.9	4.3	4.0	3.6	3.3	3.0
-70°	6.1	5.9	5.5	5.0	4.6	4.1	3.9	3.6	3.3	3.0	2.8
-72.5°	5.3	4.9	4.6	4.2	3.9	3.7	3.5	3.2	3.0	2.8	2.6
-75°	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.1
-77.5°	3.6	3.5	3.3	3.2	3.0	2.9	2.7	2.6	2.3	2.0	1.6
-80°	3.1	3.0	2.8	2.7	2.6	2.5	2.2	2.0	1.7	1.4	1.1
-82.5°	2.5	2.4	2.2	2.0	1.8	1.6	1.4	1.3	1.0	0.8	0.7
-85°	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.5
-87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
77.5°	1.3	0.9	0.7	0.5	0.3	0.2	0.0
75°	1.7	1.3	0.9	0.6	0.4	0.2	0.0
72.5°	2.1	1.6	1.1	0.7	0.5	0.2	0.0
70°	2.5	2.0	1.4	0.8	0.5	0.3	0.0
67.5°	2.7	2.3	1.7	1.0	0.6	0.3	0.0
65°	2.9	2.6	2.0	1.3	0.7	0.3	0.0
62.5°	3.1	2.7	2.2	1.4	0.7	0.4	0.0
60°	3.3	2.9	2.5	1.6	0.8	0.4	0.0
57.5°	3.5	3.0	2.6	1.8	0.9	0.4	0.0
55°	3.7	3.2	2.7	2.0	1.0	0.5	0.0
52.5°	3.9	3.3	2.8	2.2	1.2	0.5	0.0
50°	4.0	3.5	3.0	2.4	1.3	0.5	0.0
47.5°	4.2	3.6	3.1	2.5	1.4	0.5	0.0
45°	4.5	3.8	3.2	2.6	1.5	0.6	0.0
42.5°	4.8	3.9	3.3	2.7	1.6	0.6	0.0
40°	5.1	4.0	3.4	2.7	1.7	0.6	0.0
37.5°	5.4	4.2	3.5	2.8	1.8	0.6	0.0
35°	5.6	4.3	3.5	2.9	1.9	0.7	0.0
32.5°	5.8	4.5	3.6	2.9	2.0	0.7	0.0
30°	6.0	4.7	3.7	3.0	2.0	0.7	0.0
27.5°	6.1	4.9	3.8	3.0	2.1	0.7	0.0
25°	6.2	5.0	3.9	3.1	2.2	0.7	0.0
22.5°	6.3	5.2	3.9	3.1	2.2	0.7	0.0
20°	6.4	5.3	4.0	3.2	2.3	0.8	0.0
17.5°	6.4	5.4	4.0	3.2	2.3	0.8	0.0
15°	6.5	5.5	4.1	3.2	2.4	0.8	0.0
12.5°	6.6	5.6	4.1	3.2	2.4	0.8	0.0
10°	6.6	5.7	4.1	3.3	2.4	0.8	0.0
7.5°	6.7	5.7	4.2	3.3	2.5	0.8	0.0
5°	6.7	5.8	4.2	3.3	2.5	0.8	0.0
2.5°	6.7	5.8	4.2	3.3	2.5	0.8	0.0
0°	6.7	5.8	4.2	3.3	2.5	0.8	0.0
-2.5°	6.7	5.8	4.2	3.3	2.5	0.8	0.0
-5°	6.7	5.8	4.2	3.3	2.5	0.8	0.0
-7.5°	6.7	5.7	4.2	3.3	2.5	0.8	0.0
-10°	6.6	5.7	4.1	3.3	2.4	0.8	0.0
-12.5°	6.6	5.6	4.1	3.2	2.4	0.8	0.0
-15°	6.5	5.5	4.1	3.2	2.4	0.8	0.0
-17.5°	6.4	5.4	4.0	3.2	2.3	0.8	0.0
-20°	6.4	5.3	4.0	3.2	2.3	0.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	6.3	5.2	3.9	3.1	2.2	0.7	0.0
-25°	6.2	5.0	3.9	3.1	2.2	0.7	0.0
-27.5°	6.1	4.9	3.8	3.0	2.1	0.7	0.0
-30°	6.0	4.7	3.7	3.0	2.0	0.7	0.0
-32.5°	5.8	4.5	3.6	2.9	2.0	0.7	0.0
-35°	5.6	4.3	3.5	2.9	1.9	0.7	0.0
-37.5°	5.4	4.2	3.5	2.8	1.8	0.6	0.0
-40°	5.1	4.0	3.4	2.7	1.7	0.6	0.0
-42.5°	4.8	3.9	3.3	2.7	1.6	0.6	0.0
-45°	4.5	3.8	3.2	2.6	1.5	0.6	0.0
-47.5°	4.2	3.6	3.1	2.5	1.4	0.5	0.0
-50°	4.0	3.5	3.0	2.4	1.3	0.5	0.0
-52.5°	3.9	3.3	2.8	2.2	1.2	0.5	0.0
-55°	3.7	3.2	2.7	2.0	1.0	0.5	0.0
-57.5°	3.5	3.0	2.6	1.8	0.9	0.4	0.0
-60°	3.3	2.9	2.5	1.6	0.8	0.4	0.0
-62.5°	3.1	2.7	2.2	1.4	0.7	0.4	0.0
-65°	2.9	2.6	2.0	1.3	0.7	0.3	0.0
-67.5°	2.7	2.3	1.7	1.0	0.6	0.3	0.0
-70°	2.5	2.0	1.4	0.8	0.5	0.3	0.0
-72.5°	2.1	1.6	1.1	0.7	0.5	0.2	0.0
-75°	1.7	1.3	0.9	0.6	0.4	0.2	0.0
-77.5°	1.3	0.9	0.7	0.5	0.3	0.2	0.0
-80°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
-82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
-87.5°	0.2	0.2	0.1	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)