

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: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)  
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]-LED4080-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

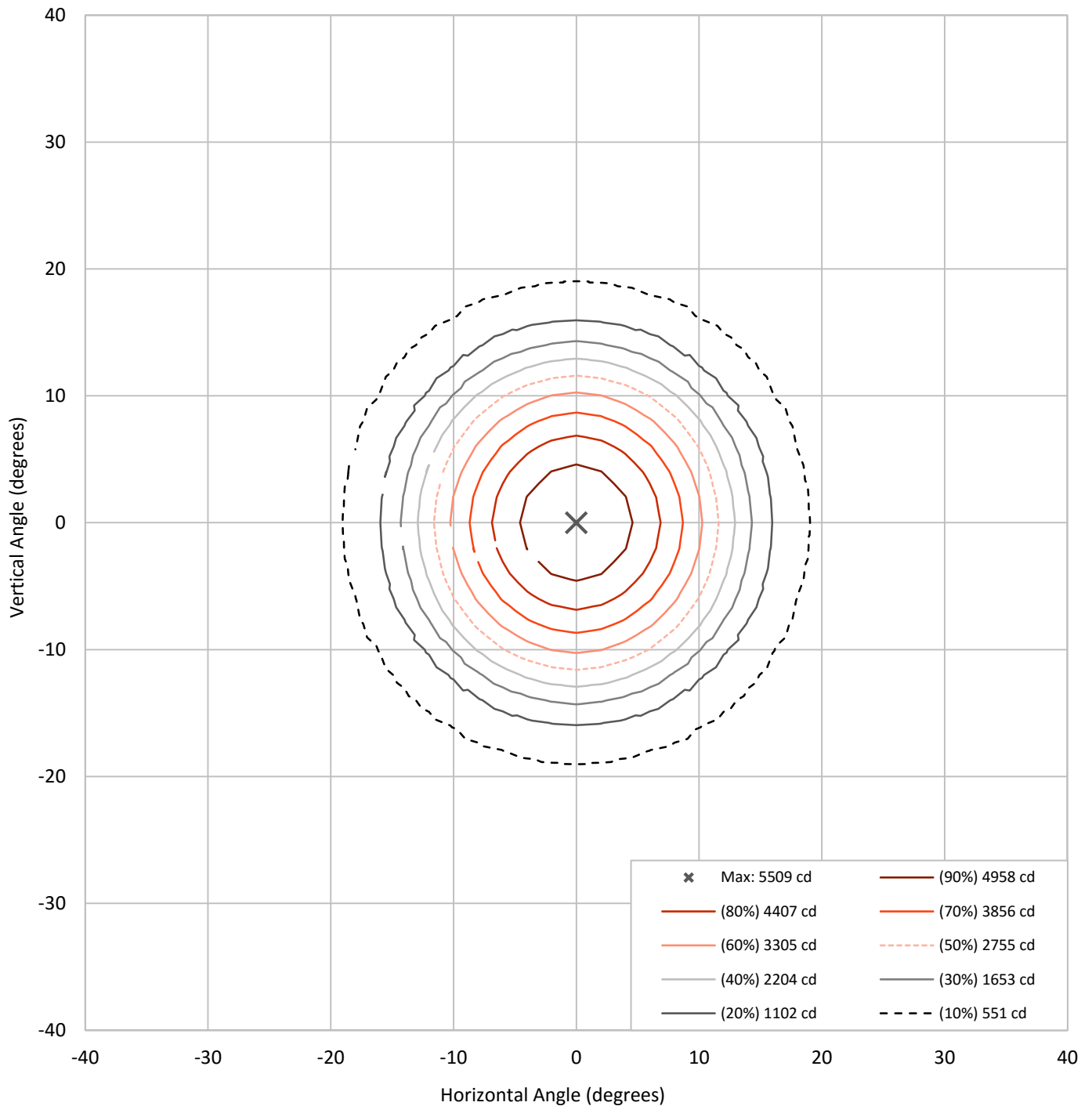
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	983.2 lumens	Max Intensity:	5509 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.2°H x 23.2°V	Field Angle (10%):	38.1°H x 38.1°V
Beam Lumens:	515.7 lumens	Field Lumens:	795.7 lumens
Beam Efficiency:	52.5%	Field Efficiency:	80.9%
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



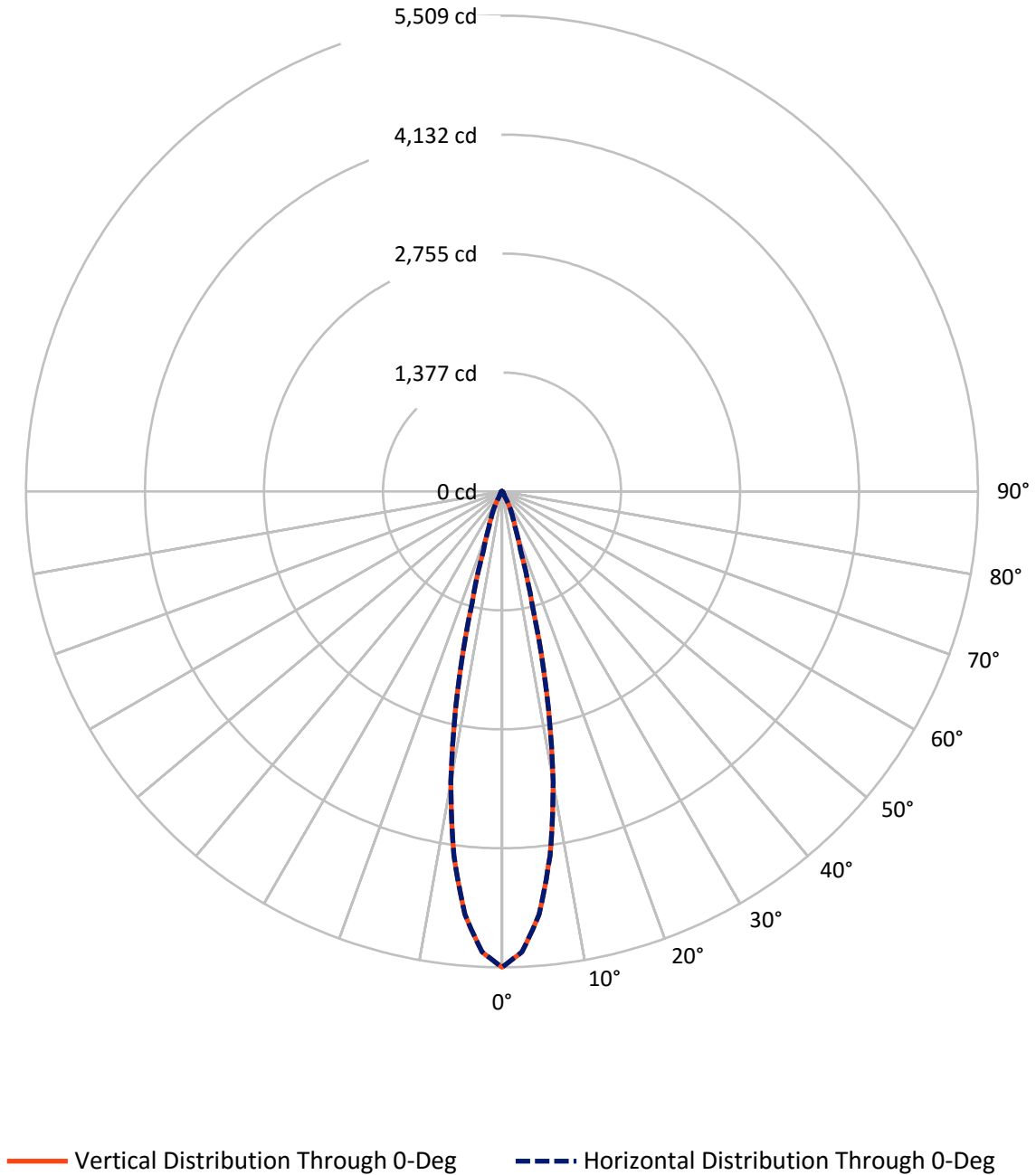
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### Lumen Table

90	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										
80	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										
70	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1			
60		0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1				
50	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.1			
40		0.1	0.2	0.3	0.4	0.5	0.7	0.9	0.9	0.7	0.5	0.4	0.3	0.2	0.1				
30	0.1	0.1	0.2	0.3	0.5	0.9	3.1	6.3	6.3	3.1	0.9	0.5	0.3	0.2	0.1	0.1			
20		0.1	0.2	0.4	0.6	2.9	13.2	38.9	38.9	13.2	2.9	0.6	0.4	0.2	0.1				
10	0.1	0.1	0.2	0.4	0.8	5.8	37.9	122.8	122.8	37.9	5.8	0.8	0.4	0.2	0.1	0.1			
0		0.1	0.2	0.4	0.8	5.8	37.9	122.8	122.8	37.9	5.8	0.8	0.4	0.2	0.1				
-10	0.1	0.1	0.2	0.4	0.8	5.8	37.9	122.8	122.8	37.9	5.8	0.8	0.4	0.2	0.1	0.1			
-20		0.1	0.2	0.4	0.6	2.9	13.2	38.9	38.9	13.2	2.9	0.6	0.4	0.2	0.1				
-30	0.1	0.1	0.2	0.3	0.5	0.9	3.1	6.3	6.3	3.1	0.9	0.5	0.3	0.2	0.1	0.1			
-40		0.1	0.2	0.3	0.4	0.5	0.7	0.9	0.9	0.7	0.5	0.4	0.3	0.2	0.1				
-50	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.1			
-60		0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1				
-70	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1			
-80		0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1				
-90	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										

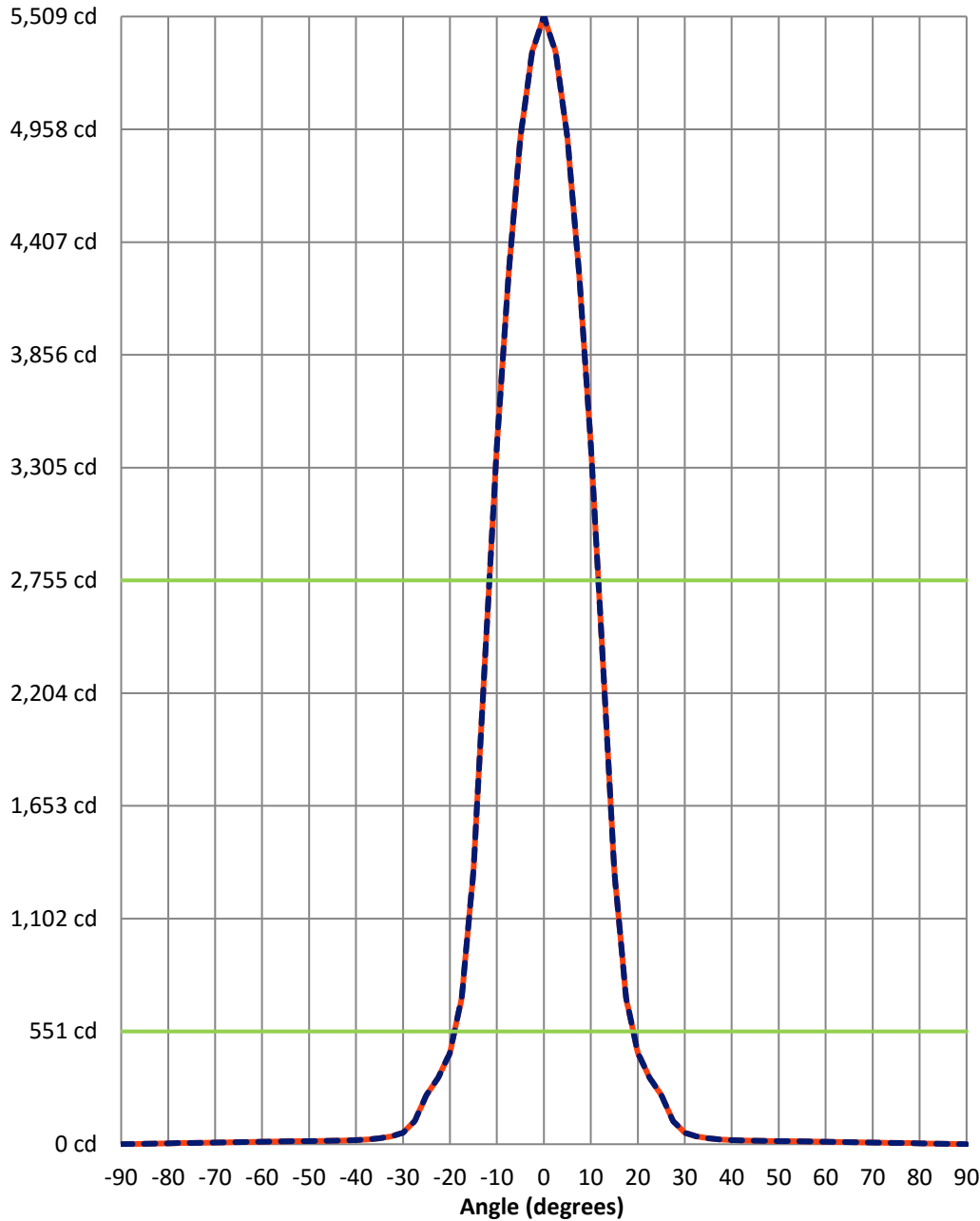
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.2°  
 V Angle: 23.2°  
 Lumens: 515.7  
 Efficiency: 52.5%

**Field:**  
 H Angle: 38.1°  
 V Angle: 38.1°  
 Lumens: 795.7  
 Efficiency: 80.9%

**Spill:**  
 Lumens: 187.5  
 Efficiency: 19.1%

— 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	2.1
75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
72.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
70°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.3
67.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
65°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.2
62.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	5.0
60°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	3.9	4.8	5.8
57.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.5	5.5	6.0
55°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	5.1	6.0	6.0
52.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.4	5.6	6.0	6.0
50°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.9	6.0	6.0	6.3
47.5°	0.0	0.7	1.4	2.0	2.7	3.4	4.1	5.4	6.0	6.0	6.6
45°	0.0	0.7	1.4	2.1	2.8	3.5	4.4	5.8	6.0	6.3	7.0
42.5°	0.0	0.7	1.5	2.2	2.9	3.7	4.8	6.0	6.0	6.6	7.3
40°	0.0	0.8	1.5	2.3	3.1	3.8	5.1	6.0	6.1	6.8	7.6
37.5°	0.0	0.8	1.6	2.4	3.2	4.0	5.5	6.0	6.3	7.1	7.8
35°	0.0	0.8	1.6	2.5	3.3	4.2	5.8	6.0	6.5	7.3	8.1
32.5°	0.0	0.8	1.7	2.5	3.4	4.4	6.0	6.0	6.7	7.5	8.4
30°	0.0	0.9	1.7	2.6	3.5	4.6	6.0	6.0	6.9	7.7	8.6
27.5°	0.0	0.9	1.8	2.7	3.5	4.9	6.0	6.2	7.1	7.9	8.8
25°	0.0	0.9	1.8	2.7	3.6	5.1	6.0	6.3	7.2	8.1	9.0
22.5°	0.0	0.9	1.8	2.8	3.7	5.2	6.0	6.5	7.4	8.3	9.2
20°	0.0	0.9	1.9	2.8	3.8	5.4	6.0	6.6	7.5	8.4	9.4
17.5°	0.0	1.0	1.9	2.9	3.8	5.5	6.0	6.7	7.6	8.6	9.5
15°	0.0	1.0	1.9	2.9	3.9	5.7	6.0	6.8	7.7	8.7	9.6
12.5°	0.0	1.0	2.0	2.9	3.9	5.8	6.0	6.8	7.8	8.8	9.7
10°	0.0	1.0	2.0	3.0	3.9	5.8	6.0	6.9	7.9	8.9	9.8
7.5°	0.0	1.0	2.0	3.0	4.0	5.9	6.0	6.9	7.9	8.9	9.9
5°	0.0	1.0	2.0	3.0	4.0	6.0	6.0	7.0	8.0	9.0	10.0
2.5°	0.0	1.0	2.0	3.0	4.0	6.0	6.0	7.0	8.0	9.0	10.0
0°	0.0	1.0	2.0	3.0	4.0	6.0	6.0	7.0	8.0	9.0	10.0
-2.5°	0.0	1.0	2.0	3.0	4.0	6.0	6.0	7.0	8.0	9.0	10.0
-5°	0.0	1.0	2.0	3.0	4.0	6.0	6.0	7.0	8.0	9.0	10.0
-7.5°	0.0	1.0	2.0	3.0	4.0	5.9	6.0	6.9	7.9	8.9	9.9
-10°	0.0	1.0	2.0	3.0	3.9	5.8	6.0	6.9	7.9	8.9	9.8
-12.5°	0.0	1.0	2.0	2.9	3.9	5.8	6.0	6.8	7.8	8.8	9.7
-15°	0.0	1.0	1.9	2.9	3.9	5.7	6.0	6.8	7.7	8.7	9.6
-17.5°	0.0	1.0	1.9	2.9	3.8	5.5	6.0	6.7	7.6	8.6	9.5
-20°	0.0	0.9	1.9	2.8	3.8	5.4	6.0	6.6	7.5	8.4	9.4



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-M-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	0.9	1.8	2.8	3.7	5.2	6.0	6.5	7.4	8.3	9.2
-25°	0.0	0.9	1.8	2.7	3.6	5.1	6.0	6.3	7.2	8.1	9.0
-27.5°	0.0	0.9	1.8	2.7	3.5	4.9	6.0	6.2	7.1	7.9	8.8
-30°	0.0	0.9	1.7	2.6	3.5	4.6	6.0	6.0	6.9	7.7	8.6
-32.5°	0.0	0.8	1.7	2.5	3.4	4.4	6.0	6.0	6.7	7.5	8.4
-35°	0.0	0.8	1.6	2.5	3.3	4.2	5.8	6.0	6.5	7.3	8.1
-37.5°	0.0	0.8	1.6	2.4	3.2	4.0	5.5	6.0	6.3	7.1	7.8
-40°	0.0	0.8	1.5	2.3	3.1	3.8	5.1	6.0	6.1	6.8	7.6
-42.5°	0.0	0.7	1.5	2.2	2.9	3.7	4.8	6.0	6.0	6.6	7.3
-45°	0.0	0.7	1.4	2.1	2.8	3.5	4.4	5.8	6.0	6.3	7.0
-47.5°	0.0	0.7	1.4	2.0	2.7	3.4	4.1	5.4	6.0	6.0	6.6
-50°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.9	6.0	6.0	6.3
-52.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.4	5.6	6.0	6.0
-55°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	5.1	6.0	6.0
-57.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.5	5.5	6.0
-60°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	3.9	4.8	5.8
-62.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	5.0
-65°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.2
-67.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
-70°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.3
-72.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
-77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-80°	0.0	0.2	0.3	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	2.1	2.2	2.3	2.4
80°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
77.5°	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.5	3.7	3.8	4.0
75°	2.7	3.0	3.2	3.4	3.6	3.8	4.1	4.4	4.8	5.1	5.5
72.5°	3.2	3.5	3.7	4.0	4.4	4.9	5.4	5.8	6.0	6.0	6.0
70°	3.6	3.9	4.5	5.1	5.6	6.0	6.0	6.0	6.0	6.1	6.3
67.5°	4.1	4.8	5.5	6.0	6.0	6.0	6.0	6.3	6.6	6.8	7.1
65°	5.0	5.8	6.0	6.0	6.0	6.3	6.6	7.0	7.3	7.6	7.8
62.5°	5.8	6.0	6.0	6.1	6.5	6.9	7.3	7.6	8.0	8.3	8.6
60°	6.0	6.0	6.2	6.7	7.1	7.5	7.9	8.3	8.7	9.0	9.3
57.5°	6.0	6.2	6.7	7.2	7.6	8.1	8.5	8.9	9.3	9.7	10.1
55°	6.1	6.7	7.2	7.7	8.2	8.7	9.1	9.6	10.0	10.4	10.8
52.5°	6.5	7.1	7.6	8.2	8.7	9.2	9.7	10.2	10.7	11.1	11.6
50°	6.9	7.5	8.1	8.7	9.2	9.8	10.3	10.8	11.3	11.8	12.3
47.5°	7.3	7.9	8.5	9.1	9.7	10.3	10.9	11.4	11.9	12.5	13.0
45°	7.6	8.3	8.9	9.6	10.2	10.8	11.4	12.0	12.6	13.1	13.6
42.5°	8.0	8.7	9.3	10.0	10.7	11.3	11.9	12.6	13.2	13.8	14.3
40°	8.3	9.0	9.7	10.4	11.1	11.8	12.5	13.1	13.8	14.4	15.0
37.5°	8.6	9.3	10.1	10.8	11.6	12.3	13.0	13.6	14.3	15.0	15.0
35°	8.9	9.7	10.4	11.2	12.0	12.7	13.4	14.2	14.9	15.0	15.2
32.5°	9.2	10.0	10.8	11.6	12.4	13.1	13.9	14.6	15.0	15.1	15.8
30°	9.4	10.3	11.1	11.9	12.7	13.5	14.3	15.0	15.0	15.6	16.4
27.5°	9.7	10.5	11.4	12.2	13.1	13.9	14.7	15.0	15.3	16.1	16.9
25°	9.9	10.8	11.7	12.5	13.4	14.3	15.0	15.0	15.8	16.6	17.4
22.5°	10.1	11.0	11.9	12.8	13.7	14.6	15.0	15.3	16.2	17.0	17.9
20°	10.3	11.2	12.1	13.0	14.0	14.9	15.0	15.7	16.5	17.4	18.6
17.5°	10.5	11.4	12.3	13.3	14.2	15.0	15.0	16.0	16.9	17.8	19.3
15°	10.6	11.6	12.5	13.5	14.4	15.0	15.3	16.2	17.2	18.2	20.0
12.5°	10.7	11.7	12.7	13.6	14.6	15.0	15.5	16.5	17.4	18.7	20.9
10°	10.8	11.8	12.8	13.8	14.7	15.0	15.7	16.7	17.6	19.2	21.7
7.5°	10.9	11.9	12.9	13.9	14.8	15.0	15.8	16.8	17.8	19.5	22.2
5°	11.0	11.9	12.9	13.9	14.9	15.0	15.9	16.9	17.9	19.8	22.7
2.5°	11.0	12.0	13.0	14.0	15.0	15.0	16.0	17.0	18.0	19.9	22.9
0°	11.0	12.0	13.0	14.0	15.0	15.0	16.0	17.0	18.0	20.0	23.0
-2.5°	11.0	12.0	13.0	14.0	15.0	15.0	16.0	17.0	18.0	19.9	22.9
-5°	11.0	11.9	12.9	13.9	14.9	15.0	15.9	16.9	17.9	19.8	22.7
-7.5°	10.9	11.9	12.9	13.9	14.8	15.0	15.8	16.8	17.8	19.5	22.2
-10°	10.8	11.8	12.8	13.8	14.7	15.0	15.7	16.7	17.6	19.2	21.7
-12.5°	10.7	11.7	12.7	13.6	14.6	15.0	15.5	16.5	17.4	18.7	20.9
-15°	10.6	11.6	12.5	13.5	14.4	15.0	15.3	16.2	17.2	18.2	20.0
-17.5°	10.5	11.4	12.3	13.3	14.2	15.0	15.0	16.0	16.9	17.8	19.3
-20°	10.3	11.2	12.1	13.0	14.0	14.9	15.0	15.7	16.5	17.4	18.6



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	10.1	11.0	11.9	12.8	13.7	14.6	15.0	15.3	16.2	17.0	17.9
-25°	9.9	10.8	11.7	12.5	13.4	14.3	15.0	15.0	15.8	16.6	17.4
-27.5°	9.7	10.5	11.4	12.2	13.1	13.9	14.7	15.0	15.3	16.1	16.9
-30°	9.4	10.3	11.1	11.9	12.7	13.5	14.3	15.0	15.0	15.6	16.4
-32.5°	9.2	10.0	10.8	11.6	12.4	13.1	13.9	14.6	15.0	15.1	15.8
-35°	8.9	9.7	10.4	11.2	12.0	12.7	13.4	14.2	14.9	15.0	15.2
-37.5°	8.6	9.3	10.1	10.8	11.6	12.3	13.0	13.6	14.3	15.0	15.0
-40°	8.3	9.0	9.7	10.4	11.1	11.8	12.5	13.1	13.8	14.4	15.0
-42.5°	8.0	8.7	9.3	10.0	10.7	11.3	11.9	12.6	13.2	13.8	14.3
-45°	7.6	8.3	8.9	9.6	10.2	10.8	11.4	12.0	12.6	13.1	13.6
-47.5°	7.3	7.9	8.5	9.1	9.7	10.3	10.9	11.4	11.9	12.5	13.0
-50°	6.9	7.5	8.1	8.7	9.2	9.8	10.3	10.8	11.3	11.8	12.3
-52.5°	6.5	7.1	7.6	8.2	8.7	9.2	9.7	10.2	10.7	11.1	11.6
-55°	6.1	6.7	7.2	7.7	8.2	8.7	9.1	9.6	10.0	10.4	10.8
-57.5°	6.0	6.2	6.7	7.2	7.6	8.1	8.5	8.9	9.3	9.7	10.1
-60°	6.0	6.0	6.2	6.7	7.1	7.5	7.9	8.3	8.7	9.0	9.3
-62.5°	5.8	6.0	6.0	6.1	6.5	6.9	7.3	7.6	8.0	8.3	8.6
-65°	5.0	5.8	6.0	6.0	6.0	6.3	6.6	7.0	7.3	7.6	7.8
-67.5°	4.1	4.8	5.5	6.0	6.0	6.0	6.0	6.3	6.6	6.8	7.1
-70°	3.6	3.9	4.5	5.1	5.6	6.0	6.0	6.0	6.0	6.1	6.3
-72.5°	3.2	3.5	3.7	4.0	4.4	4.9	5.4	5.8	6.0	6.0	6.0
-75°	2.7	3.0	3.2	3.4	3.6	3.8	4.1	4.4	4.8	5.1	5.5
-77.5°	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.5	3.7	3.8	4.0
-80°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
-82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-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°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
80°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
77.5°	4.2	4.4	4.6	4.9	5.1	5.2	5.4	5.5	5.7	5.8	5.8
75°	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
72.5°	6.0	6.0	6.0	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
70°	6.5	6.7	6.9	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9
67.5°	7.3	7.5	7.7	7.9	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	9.2	9.4	9.5	9.6	9.7	9.8
62.5°	8.9	9.2	9.4	9.7	9.9	10.1	10.3	10.5	10.6	10.7	10.8
60°	9.7	10.0	10.3	10.5	10.8	11.0	11.2	11.4	11.6	11.7	11.8
57.5°	10.4	10.8	11.1	11.4	11.7	11.9	12.1	12.3	12.5	12.7	12.8
55°	11.2	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.5	13.6	13.8
52.5°	12.0	12.4	12.7	13.1	13.4	13.7	14.0	14.2	14.4	14.6	14.7
50°	12.7	13.1	13.5	13.9	14.3	14.6	14.9	15.0	15.0	15.0	15.0
47.5°	13.4	13.9	14.3	14.7	15.0	15.0	15.0	15.0	15.3	15.5	15.7
45°	14.2	14.6	15.0	15.0	15.0	15.3	15.7	16.0	16.2	16.5	16.7
42.5°	14.9	15.0	15.0	15.3	15.8	16.2	16.5	16.9	17.2	17.4	17.6
40°	15.0	15.1	15.6	16.1	16.6	17.0	17.4	17.8	18.2	18.7	19.2
37.5°	15.2	15.8	16.4	16.9	17.4	17.9	18.6	19.3	20.0	20.9	21.7
35°	15.9	16.5	17.1	17.6	18.3	19.3	20.4	21.6	22.8	24.5	26.1
32.5°	16.5	17.1	17.8	18.7	19.9	21.4	22.9	25.5	27.9	30.5	33.2
30°	17.1	17.8	18.9	20.2	22.1	24.5	27.7	31.5	35.4	39.6	45.4
27.5°	17.6	18.7	20.2	22.3	25.4	29.1	34.3	40.0	48.5	56.0	66.5
25°	18.3	19.9	22.1	25.4	29.8	35.7	44.4	54.6	70.2	101.3	147.1
22.5°	19.3	21.4	24.5	29.1	35.7	45.9	59.0	85.9	146.0	212.7	256.4
20°	20.4	22.9	27.7	34.3	44.4	59.0	91.4	173.8	246.3	292.8	336.3
17.5°	21.6	25.5	31.5	40.0	54.6	85.9	173.8	255.2	311.6	379.1	443.2
15°	22.8	27.9	35.4	48.5	70.2	146.0	246.3	311.6	393.8	491.2	641.8
12.5°	24.5	30.5	39.6	56.0	101.3	212.7	292.8	379.1	491.2	698.9	1037.1
10°	26.1	33.2	45.4	66.5	147.1	256.4	336.3	443.2	641.8	1037.1	1682.9
7.5°	27.3	35.3	50.0	81.2	191.2	285.7	383.3	525.8	857.1	1511.9	2394.1
5°	28.3	36.8	53.3	94.8	218.2	307.3	418.2	616.2	1088.5	1966.3	2958.2
2.5°	28.8	37.7	55.3	108.8	234.5	320.5	439.7	688.5	1272.9	2276.3	3297.0
0°	29.0	38.0	56.0	113.5	240.0	325.0	447.0	716.0	1336.0	2384.0	3414.0
-2.5°	28.8	37.7	55.3	108.8	234.5	320.5	439.7	688.5	1272.9	2276.3	3297.0
-5°	28.3	36.8	53.3	94.8	218.2	307.3	418.2	616.2	1088.5	1966.3	2958.2
-7.5°	27.3	35.3	50.0	81.2	191.2	285.7	383.3	525.8	857.1	1511.9	2394.1
-10°	26.1	33.2	45.4	66.5	147.1	256.4	336.3	443.2	641.8	1037.1	1682.9
-12.5°	24.5	30.5	39.6	56.0	101.3	212.7	292.8	379.1	491.2	698.9	1037.1
-15°	22.8	27.9	35.4	48.5	70.2	146.0	246.3	311.6	393.8	491.2	641.8
-17.5°	21.6	25.5	31.5	40.0	54.6	85.9	173.8	255.2	311.6	379.1	443.2
-20°	20.4	22.9	27.7	34.3	44.4	59.0	91.4	173.8	246.3	292.8	336.3



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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°	19.3	21.4	24.5	29.1	35.7	45.9	59.0	85.9	146.0	212.7	256.4
-25°	18.3	19.9	22.1	25.4	29.8	35.7	44.4	54.6	70.2	101.3	147.1
-27.5°	17.6	18.7	20.2	22.3	25.4	29.1	34.3	40.0	48.5	56.0	66.5
-30°	17.1	17.8	18.9	20.2	22.1	24.5	27.7	31.5	35.4	39.6	45.4
-32.5°	16.5	17.1	17.8	18.7	19.9	21.4	22.9	25.5	27.9	30.5	33.2
-35°	15.9	16.5	17.1	17.6	18.3	19.3	20.4	21.6	22.8	24.5	26.1
-37.5°	15.2	15.8	16.4	16.9	17.4	17.9	18.6	19.3	20.0	20.9	21.7
-40°	15.0	15.1	15.6	16.1	16.6	17.0	17.4	17.8	18.2	18.7	19.2
-42.5°	14.9	15.0	15.0	15.3	15.8	16.2	16.5	16.9	17.2	17.4	17.6
-45°	14.2	14.6	15.0	15.0	15.0	15.3	15.7	16.0	16.2	16.5	16.7
-47.5°	13.4	13.9	14.3	14.7	15.0	15.0	15.0	15.0	15.3	15.5	15.7
-50°	12.7	13.1	13.5	13.9	14.3	14.6	14.9	15.0	15.0	15.0	15.0
-52.5°	12.0	12.4	12.7	13.1	13.4	13.7	14.0	14.2	14.4	14.6	14.7
-55°	11.2	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.5	13.6	13.8
-57.5°	10.4	10.8	11.1	11.4	11.7	11.9	12.1	12.3	12.5	12.7	12.8
-60°	9.7	10.0	10.3	10.5	10.8	11.0	11.2	11.4	11.6	11.7	11.8
-62.5°	8.9	9.2	9.4	9.7	9.9	10.1	10.3	10.5	10.6	10.7	10.8
-65°	8.1	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.6	9.7	9.8
-67.5°	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.6	8.7	8.8	8.9
-70°	6.5	6.7	6.9	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9
-72.5°	6.0	6.0	6.0	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
-75°	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-77.5°	4.2	4.4	4.6	4.9	5.1	5.2	5.4	5.5	5.7	5.8	5.8
-80°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
-82.5°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
-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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
77.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.8	5.7	5.5
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
72.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7
70°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.6
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°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.7	9.6	9.5
62.5°	10.9	11.0	11.0	11.0	11.0	11.0	10.9	10.8	10.7	10.6	10.5
60°	11.9	11.9	12.0	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.4
57.5°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.8	12.7	12.5	12.3
55°	13.9	13.9	14.0	14.0	14.0	13.9	13.9	13.8	13.6	13.5	13.3
52.5°	14.8	14.9	15.0	15.0	15.0	14.9	14.8	14.7	14.6	14.4	14.2
50°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
47.5°	15.8	15.9	16.0	16.0	16.0	15.9	15.8	15.7	15.5	15.3	15.0
45°	16.8	16.9	17.0	17.0	17.0	16.9	16.8	16.7	16.5	16.2	16.0
42.5°	17.8	17.9	18.0	18.0	18.0	17.9	17.8	17.6	17.4	17.2	16.9
40°	19.5	19.8	19.9	20.0	19.9	19.8	19.5	19.2	18.7	18.2	17.8
37.5°	22.2	22.7	22.9	23.0	22.9	22.7	22.2	21.7	20.9	20.0	19.3
35°	27.3	28.3	28.8	29.0	28.8	28.3	27.3	26.1	24.5	22.8	21.6
32.5°	35.3	36.8	37.7	38.0	37.7	36.8	35.3	33.2	30.5	27.9	25.5
30°	50.0	53.3	55.3	56.0	55.3	53.3	50.0	45.4	39.6	35.4	31.5
27.5°	81.2	94.8	108.8	113.5	108.8	94.8	81.2	66.5	56.0	48.5	40.0
25°	191.2	218.2	234.5	240.0	234.5	218.2	191.2	147.1	101.3	70.2	54.6
22.5°	285.7	307.3	320.5	325.0	320.5	307.3	285.7	256.4	212.7	146.0	85.9
20°	383.3	418.2	439.7	447.0	439.7	418.2	383.3	336.3	292.8	246.3	173.8
17.5°	525.8	616.2	688.5	716.0	688.5	616.2	525.8	443.2	379.1	311.6	255.2
15°	857.1	1088.5	1272.9	1336.0	1272.9	1088.5	857.1	641.8	491.2	393.8	311.6
12.5°	1511.9	1966.3	2276.3	2384.0	2276.3	1966.3	1511.9	1037.1	698.9	491.2	379.1
10°	2394.1	2958.2	3297.0	3414.0	3297.0	2958.2	2394.1	1682.9	1037.1	641.8	443.2
7.5°	3186.9	3765.9	4130.4	4253.0	4130.4	3765.9	3186.9	2394.1	1511.9	857.1	525.8
5°	3765.9	4384.8	4775.7	4917.0	4775.7	4384.8	3765.9	2958.2	1966.3	1088.5	616.2
2.5°	4130.4	4775.7	5194.0	5335.0	5194.0	4775.7	4130.4	3297.0	2276.3	1272.9	688.5
0°	4253.0	4917.0	5335.0	5509.0	5335.0	4917.0	4253.0	3414.0	2384.0	1336.0	716.0
-2.5°	4130.4	4775.7	5194.0	5335.0	5194.0	4775.7	4130.4	3297.0	2276.3	1272.9	688.5
-5°	3765.9	4384.8	4775.7	4917.0	4775.7	4384.8	3765.9	2958.2	1966.3	1088.5	616.2
-7.5°	3186.9	3765.9	4130.4	4253.0	4130.4	3765.9	3186.9	2394.1	1511.9	857.1	525.8
-10°	2394.1	2958.2	3297.0	3414.0	3297.0	2958.2	2394.1	1682.9	1037.1	641.8	443.2
-12.5°	1511.9	1966.3	2276.3	2384.0	2276.3	1966.3	1511.9	1037.1	698.9	491.2	379.1
-15°	857.1	1088.5	1272.9	1336.0	1272.9	1088.5	857.1	641.8	491.2	393.8	311.6
-17.5°	525.8	616.2	688.5	716.0	688.5	616.2	525.8	443.2	379.1	311.6	255.2
-20°	383.3	418.2	439.7	447.0	439.7	418.2	383.3	336.3	292.8	246.3	173.8



REPORT NUMBER: P29410 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	285.7	307.3	320.5	325.0	320.5	307.3	285.7	256.4	212.7	146.0	85.9
-25°	191.2	218.2	234.5	240.0	234.5	218.2	191.2	147.1	101.3	70.2	54.6
-27.5°	81.2	94.8	108.8	113.5	108.8	94.8	81.2	66.5	56.0	48.5	40.0
-30°	50.0	53.3	55.3	56.0	55.3	53.3	50.0	45.4	39.6	35.4	31.5
-32.5°	35.3	36.8	37.7	38.0	37.7	36.8	35.3	33.2	30.5	27.9	25.5
-35°	27.3	28.3	28.8	29.0	28.8	28.3	27.3	26.1	24.5	22.8	21.6
-37.5°	22.2	22.7	22.9	23.0	22.9	22.7	22.2	21.7	20.9	20.0	19.3
-40°	19.5	19.8	19.9	20.0	19.9	19.8	19.5	19.2	18.7	18.2	17.8
-42.5°	17.8	17.9	18.0	18.0	18.0	17.9	17.8	17.6	17.4	17.2	16.9
-45°	16.8	16.9	17.0	17.0	17.0	16.9	16.8	16.7	16.5	16.2	16.0
-47.5°	15.8	15.9	16.0	16.0	16.0	15.9	15.8	15.7	15.5	15.3	15.0
-50°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
-52.5°	14.8	14.9	15.0	15.0	15.0	14.9	14.8	14.7	14.6	14.4	14.2
-55°	13.9	13.9	14.0	14.0	14.0	13.9	13.9	13.8	13.6	13.5	13.3
-57.5°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.8	12.7	12.5	12.3
-60°	11.9	11.9	12.0	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.4
-62.5°	10.9	11.0	11.0	11.0	11.0	11.0	10.9	10.8	10.7	10.6	10.5
-65°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.7	9.6	9.5
-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°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.6
-72.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7
-75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-77.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.8	5.7	5.5
-80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
-82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-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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**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°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
80°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
77.5°	5.4	5.2	5.1	4.9	4.6	4.4	4.2	4.0	3.8	3.7	3.5
75°	6.0	6.0	6.0	6.0	6.0	6.0	5.8	5.5	5.1	4.8	4.4
72.5°	6.6	6.5	6.3	6.2	6.0	6.0	6.0	6.0	6.0	6.0	5.8
70°	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.3	6.1	6.0	6.0
67.5°	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3
65°	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.6	7.3	7.0
62.5°	10.3	10.1	9.9	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.6
60°	11.2	11.0	10.8	10.5	10.3	10.0	9.7	9.3	9.0	8.7	8.3
57.5°	12.1	11.9	11.7	11.4	11.1	10.8	10.4	10.1	9.7	9.3	8.9
55°	13.0	12.8	12.5	12.2	11.9	11.6	11.2	10.8	10.4	10.0	9.6
52.5°	14.0	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	10.7	10.2
50°	14.9	14.6	14.3	13.9	13.5	13.1	12.7	12.3	11.8	11.3	10.8
47.5°	15.0	15.0	15.0	14.7	14.3	13.9	13.4	13.0	12.5	11.9	11.4
45°	15.7	15.3	15.0	15.0	15.0	14.6	14.2	13.6	13.1	12.6	12.0
42.5°	16.5	16.2	15.8	15.3	15.0	15.0	14.9	14.3	13.8	13.2	12.6
40°	17.4	17.0	16.6	16.1	15.6	15.1	15.0	15.0	14.4	13.8	13.1
37.5°	18.6	17.9	17.4	16.9	16.4	15.8	15.2	15.0	15.0	14.3	13.6
35°	20.4	19.3	18.3	17.6	17.1	16.5	15.9	15.2	15.0	14.9	14.2
32.5°	22.9	21.4	19.9	18.7	17.8	17.1	16.5	15.8	15.1	15.0	14.6
30°	27.7	24.5	22.1	20.2	18.9	17.8	17.1	16.4	15.6	15.0	15.0
27.5°	34.3	29.1	25.4	22.3	20.2	18.7	17.6	16.9	16.1	15.3	15.0
25°	44.4	35.7	29.8	25.4	22.1	19.9	18.3	17.4	16.6	15.8	15.0
22.5°	59.0	45.9	35.7	29.1	24.5	21.4	19.3	17.9	17.0	16.2	15.3
20°	91.4	59.0	44.4	34.3	27.7	22.9	20.4	18.6	17.4	16.5	15.7
17.5°	173.8	85.9	54.6	40.0	31.5	25.5	21.6	19.3	17.8	16.9	16.0
15°	246.3	146.0	70.2	48.5	35.4	27.9	22.8	20.0	18.2	17.2	16.2
12.5°	292.8	212.7	101.3	56.0	39.6	30.5	24.5	20.9	18.7	17.4	16.5
10°	336.3	256.4	147.1	66.5	45.4	33.2	26.1	21.7	19.2	17.6	16.7
7.5°	383.3	285.7	191.2	81.2	50.0	35.3	27.3	22.2	19.5	17.8	16.8
5°	418.2	307.3	218.2	94.8	53.3	36.8	28.3	22.7	19.8	17.9	16.9
2.5°	439.7	320.5	234.5	108.8	55.3	37.7	28.8	22.9	19.9	18.0	17.0
0°	447.0	325.0	240.0	113.5	56.0	38.0	29.0	23.0	20.0	18.0	17.0
-2.5°	439.7	320.5	234.5	108.8	55.3	37.7	28.8	22.9	19.9	18.0	17.0
-5°	418.2	307.3	218.2	94.8	53.3	36.8	28.3	22.7	19.8	17.9	16.9
-7.5°	383.3	285.7	191.2	81.2	50.0	35.3	27.3	22.2	19.5	17.8	16.8
-10°	336.3	256.4	147.1	66.5	45.4	33.2	26.1	21.7	19.2	17.6	16.7
-12.5°	292.8	212.7	101.3	56.0	39.6	30.5	24.5	20.9	18.7	17.4	16.5
-15°	246.3	146.0	70.2	48.5	35.4	27.9	22.8	20.0	18.2	17.2	16.2
-17.5°	173.8	85.9	54.6	40.0	31.5	25.5	21.6	19.3	17.8	16.9	16.0
-20°	91.4	59.0	44.4	34.3	27.7	22.9	20.4	18.6	17.4	16.5	15.7



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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°	59.0	45.9	35.7	29.1	24.5	21.4	19.3	17.9	17.0	16.2	15.3
-25°	44.4	35.7	29.8	25.4	22.1	19.9	18.3	17.4	16.6	15.8	15.0
-27.5°	34.3	29.1	25.4	22.3	20.2	18.7	17.6	16.9	16.1	15.3	15.0
-30°	27.7	24.5	22.1	20.2	18.9	17.8	17.1	16.4	15.6	15.0	15.0
-32.5°	22.9	21.4	19.9	18.7	17.8	17.1	16.5	15.8	15.1	15.0	14.6
-35°	20.4	19.3	18.3	17.6	17.1	16.5	15.9	15.2	15.0	14.9	14.2
-37.5°	18.6	17.9	17.4	16.9	16.4	15.8	15.2	15.0	15.0	14.3	13.6
-40°	17.4	17.0	16.6	16.1	15.6	15.1	15.0	15.0	14.4	13.8	13.1
-42.5°	16.5	16.2	15.8	15.3	15.0	15.0	14.9	14.3	13.8	13.2	12.6
-45°	15.7	15.3	15.0	15.0	15.0	14.6	14.2	13.6	13.1	12.6	12.0
-47.5°	15.0	15.0	15.0	14.7	14.3	13.9	13.4	13.0	12.5	11.9	11.4
-50°	14.9	14.6	14.3	13.9	13.5	13.1	12.7	12.3	11.8	11.3	10.8
-52.5°	14.0	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	10.7	10.2
-55°	13.0	12.8	12.5	12.2	11.9	11.6	11.2	10.8	10.4	10.0	9.6
-57.5°	12.1	11.9	11.7	11.4	11.1	10.8	10.4	10.1	9.7	9.3	8.9
-60°	11.2	11.0	10.8	10.5	10.3	10.0	9.7	9.3	9.0	8.7	8.3
-62.5°	10.3	10.1	9.9	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.6
-65°	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.6	7.3	7.0
-67.5°	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3
-70°	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.3	6.1	6.0	6.0
-72.5°	6.6	6.5	6.3	6.2	6.0	6.0	6.0	6.0	6.0	6.0	5.8
-75°	6.0	6.0	6.0	6.0	6.0	6.0	5.8	5.5	5.1	4.8	4.4
-77.5°	5.4	5.2	5.1	4.9	4.6	4.4	4.2	4.0	3.8	3.7	3.5
-80°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
-82.5°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
-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°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
77.5°	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5
75°	4.1	3.8	3.6	3.4	3.2	3.0	2.7	2.5	2.3	2.0	1.8
72.5°	5.4	4.9	4.4	4.0	3.7	3.5	3.2	2.9	2.6	2.4	2.1
70°	6.0	6.0	5.6	5.1	4.5	3.9	3.6	3.3	3.0	2.7	2.4
67.5°	6.0	6.0	6.0	6.0	5.5	4.8	4.1	3.7	3.4	3.0	2.6
65°	6.6	6.3	6.0	6.0	6.0	5.8	5.0	4.2	3.7	3.3	2.9
62.5°	7.3	6.9	6.5	6.1	6.0	6.0	5.8	5.0	4.1	3.6	3.2
60°	7.9	7.5	7.1	6.7	6.2	6.0	6.0	5.8	4.8	3.9	3.5
57.5°	8.5	8.1	7.6	7.2	6.7	6.2	6.0	6.0	5.5	4.5	3.7
55°	9.1	8.7	8.2	7.7	7.2	6.7	6.1	6.0	6.0	5.1	4.0
52.5°	9.7	9.2	8.7	8.2	7.6	7.1	6.5	6.0	6.0	5.6	4.4
50°	10.3	9.8	9.2	8.7	8.1	7.5	6.9	6.3	6.0	6.0	4.9
47.5°	10.9	10.3	9.7	9.1	8.5	7.9	7.3	6.6	6.0	6.0	5.4
45°	11.4	10.8	10.2	9.6	8.9	8.3	7.6	7.0	6.3	6.0	5.8
42.5°	11.9	11.3	10.7	10.0	9.3	8.7	8.0	7.3	6.6	6.0	6.0
40°	12.5	11.8	11.1	10.4	9.7	9.0	8.3	7.6	6.8	6.1	6.0
37.5°	13.0	12.3	11.6	10.8	10.1	9.3	8.6	7.8	7.1	6.3	6.0
35°	13.4	12.7	12.0	11.2	10.4	9.7	8.9	8.1	7.3	6.5	6.0
32.5°	13.9	13.1	12.4	11.6	10.8	10.0	9.2	8.4	7.5	6.7	6.0
30°	14.3	13.5	12.7	11.9	11.1	10.3	9.4	8.6	7.7	6.9	6.0
27.5°	14.7	13.9	13.1	12.2	11.4	10.5	9.7	8.8	7.9	7.1	6.2
25°	15.0	14.3	13.4	12.5	11.7	10.8	9.9	9.0	8.1	7.2	6.3
22.5°	15.0	14.6	13.7	12.8	11.9	11.0	10.1	9.2	8.3	7.4	6.5
20°	15.0	14.9	14.0	13.0	12.1	11.2	10.3	9.4	8.4	7.5	6.6
17.5°	15.0	15.0	14.2	13.3	12.3	11.4	10.5	9.5	8.6	7.6	6.7
15°	15.3	15.0	14.4	13.5	12.5	11.6	10.6	9.6	8.7	7.7	6.8
12.5°	15.5	15.0	14.6	13.6	12.7	11.7	10.7	9.7	8.8	7.8	6.8
10°	15.7	15.0	14.7	13.8	12.8	11.8	10.8	9.8	8.9	7.9	6.9
7.5°	15.8	15.0	14.8	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9
5°	15.9	15.0	14.9	13.9	12.9	11.9	11.0	10.0	9.0	8.0	7.0
2.5°	16.0	15.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0
0°	16.0	15.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0
-2.5°	16.0	15.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0
-5°	15.9	15.0	14.9	13.9	12.9	11.9	11.0	10.0	9.0	8.0	7.0
-7.5°	15.8	15.0	14.8	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9
-10°	15.7	15.0	14.7	13.8	12.8	11.8	10.8	9.8	8.9	7.9	6.9
-12.5°	15.5	15.0	14.6	13.6	12.7	11.7	10.7	9.7	8.8	7.8	6.8
-15°	15.3	15.0	14.4	13.5	12.5	11.6	10.6	9.6	8.7	7.7	6.8
-17.5°	15.0	15.0	14.2	13.3	12.3	11.4	10.5	9.5	8.6	7.6	6.7
-20°	15.0	14.9	14.0	13.0	12.1	11.2	10.3	9.4	8.4	7.5	6.6



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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°	15.0	14.6	13.7	12.8	11.9	11.0	10.1	9.2	8.3	7.4	6.5
-25°	15.0	14.3	13.4	12.5	11.7	10.8	9.9	9.0	8.1	7.2	6.3
-27.5°	14.7	13.9	13.1	12.2	11.4	10.5	9.7	8.8	7.9	7.1	6.2
-30°	14.3	13.5	12.7	11.9	11.1	10.3	9.4	8.6	7.7	6.9	6.0
-32.5°	13.9	13.1	12.4	11.6	10.8	10.0	9.2	8.4	7.5	6.7	6.0
-35°	13.4	12.7	12.0	11.2	10.4	9.7	8.9	8.1	7.3	6.5	6.0
-37.5°	13.0	12.3	11.6	10.8	10.1	9.3	8.6	7.8	7.1	6.3	6.0
-40°	12.5	11.8	11.1	10.4	9.7	9.0	8.3	7.6	6.8	6.1	6.0
-42.5°	11.9	11.3	10.7	10.0	9.3	8.7	8.0	7.3	6.6	6.0	6.0
-45°	11.4	10.8	10.2	9.6	8.9	8.3	7.6	7.0	6.3	6.0	5.8
-47.5°	10.9	10.3	9.7	9.1	8.5	7.9	7.3	6.6	6.0	6.0	5.4
-50°	10.3	9.8	9.2	8.7	8.1	7.5	6.9	6.3	6.0	6.0	4.9
-52.5°	9.7	9.2	8.7	8.2	7.6	7.1	6.5	6.0	6.0	5.6	4.4
-55°	9.1	8.7	8.2	7.7	7.2	6.7	6.1	6.0	6.0	5.1	4.0
-57.5°	8.5	8.1	7.6	7.2	6.7	6.2	6.0	6.0	5.5	4.5	3.7
-60°	7.9	7.5	7.1	6.7	6.2	6.0	6.0	5.8	4.8	3.9	3.5
-62.5°	7.3	6.9	6.5	6.1	6.0	6.0	5.8	5.0	4.1	3.6	3.2
-65°	6.6	6.3	6.0	6.0	6.0	5.8	5.0	4.2	3.7	3.3	2.9
-67.5°	6.0	6.0	6.0	6.0	5.5	4.8	4.1	3.7	3.4	3.0	2.6
-70°	6.0	6.0	5.6	5.1	4.5	3.9	3.6	3.3	3.0	2.7	2.4
-72.5°	5.4	4.9	4.4	4.0	3.7	3.5	3.2	2.9	2.6	2.4	2.1
-75°	4.1	3.8	3.6	3.4	3.2	3.0	2.7	2.5	2.3	2.0	1.8
-77.5°	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5
-80°	2.7	2.6	2.4	2.3	2.1	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°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
67.5°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
65°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
62.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
60°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
57.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
55°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
52.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
50°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
47.5°	4.1	3.4	2.7	2.0	1.4	0.7	0.0
45°	4.4	3.5	2.8	2.1	1.4	0.7	0.0
42.5°	4.8	3.7	2.9	2.2	1.5	0.7	0.0
40°	5.1	3.8	3.1	2.3	1.5	0.8	0.0
37.5°	5.5	4.0	3.2	2.4	1.6	0.8	0.0
35°	5.8	4.2	3.3	2.5	1.6	0.8	0.0
32.5°	6.0	4.4	3.4	2.5	1.7	0.8	0.0
30°	6.0	4.6	3.5	2.6	1.7	0.9	0.0
27.5°	6.0	4.9	3.5	2.7	1.8	0.9	0.0
25°	6.0	5.1	3.6	2.7	1.8	0.9	0.0
22.5°	6.0	5.2	3.7	2.8	1.8	0.9	0.0
20°	6.0	5.4	3.8	2.8	1.9	0.9	0.0
17.5°	6.0	5.5	3.8	2.9	1.9	1.0	0.0
15°	6.0	5.7	3.9	2.9	1.9	1.0	0.0
12.5°	6.0	5.8	3.9	2.9	2.0	1.0	0.0
10°	6.0	5.8	3.9	3.0	2.0	1.0	0.0
7.5°	6.0	5.9	4.0	3.0	2.0	1.0	0.0
5°	6.0	6.0	4.0	3.0	2.0	1.0	0.0
2.5°	6.0	6.0	4.0	3.0	2.0	1.0	0.0
0°	6.0	6.0	4.0	3.0	2.0	1.0	0.0
-2.5°	6.0	6.0	4.0	3.0	2.0	1.0	0.0
-5°	6.0	6.0	4.0	3.0	2.0	1.0	0.0
-7.5°	6.0	5.9	4.0	3.0	2.0	1.0	0.0
-10°	6.0	5.8	3.9	3.0	2.0	1.0	0.0
-12.5°	6.0	5.8	3.9	2.9	2.0	1.0	0.0
-15°	6.0	5.7	3.9	2.9	1.9	1.0	0.0
-17.5°	6.0	5.5	3.8	2.9	1.9	1.0	0.0
-20°	6.0	5.4	3.8	2.8	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°	6.0	5.2	3.7	2.8	1.8	0.9	0.0
-25°	6.0	5.1	3.6	2.7	1.8	0.9	0.0
-27.5°	6.0	4.9	3.5	2.7	1.8	0.9	0.0
-30°	6.0	4.6	3.5	2.6	1.7	0.9	0.0
-32.5°	6.0	4.4	3.4	2.5	1.7	0.8	0.0
-35°	5.8	4.2	3.3	2.5	1.6	0.8	0.0
-37.5°	5.5	4.0	3.2	2.4	1.6	0.8	0.0
-40°	5.1	3.8	3.1	2.3	1.5	0.8	0.0
-42.5°	4.8	3.7	2.9	2.2	1.5	0.7	0.0
-45°	4.4	3.5	2.8	2.1	1.4	0.7	0.0
-47.5°	4.1	3.4	2.7	2.0	1.4	0.7	0.0
-50°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
-52.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-55°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
-57.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
-60°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-62.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
-65°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-67.5°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
-70°	2.0	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)