

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: EPHESUS

Report Number: P1306363 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-50-80-4S-CV5-A**

Issue Date: 2/3/2026

**Test Information**

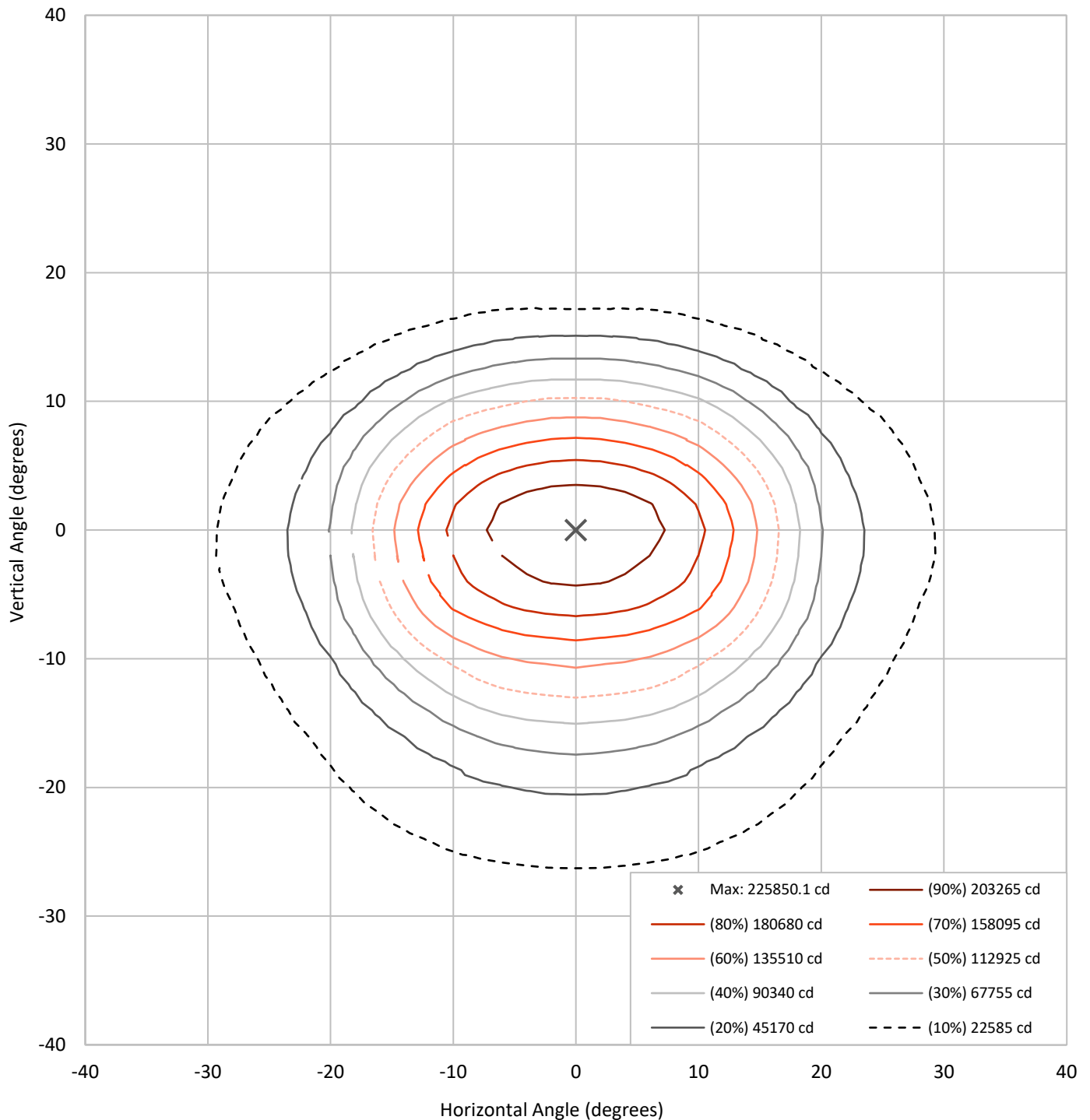
Test Method: LM-79-08  
Report Number: P1306363 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680N-50-80-4S-CV5-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	59620.5 lumens	Max Intensity:	225850.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	86.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	30166 lumens	Field Lumens:	51417.5 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%
Input Watts (W):	688		
Input Voltage (V):	NR		
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





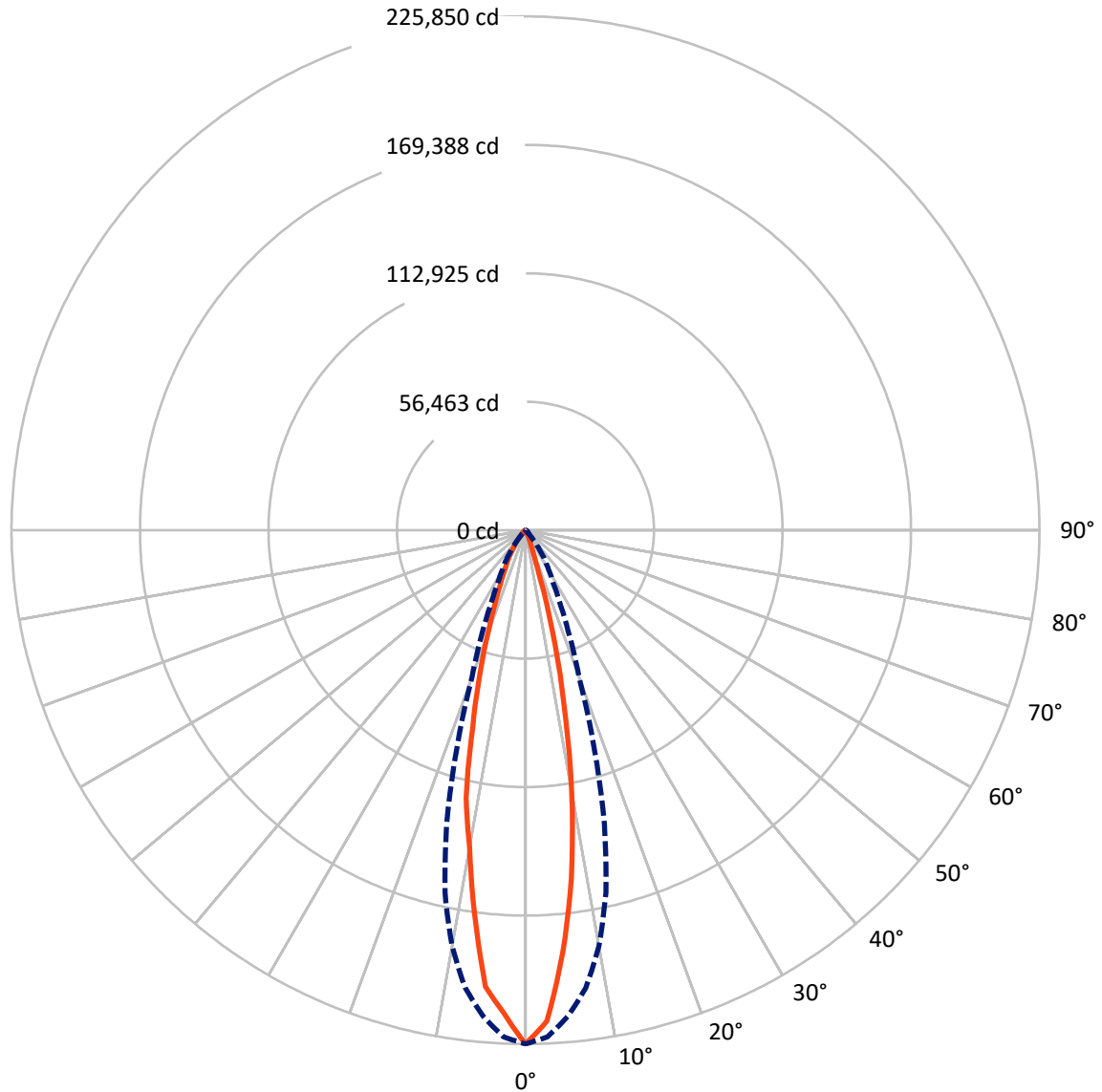
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### Lumen Table

90	0.2	0.5	0.8	0.8	0.6	0.8	0.8	0.5	0.2									
80	0.2	0.5	0.8	0.8	0.6	0.8	0.8	0.5	0.2									
70	0.2	0.1	0.2	0.5	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.5	0.2	0.1	0.2		
60		0.1	0.3	0.9	0.8	0.3	0.2	0.2	0.2	0.2	0.3	0.8	0.9	0.3	0.1			
50	0.2	0.2	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.2	0.2		
40		0.2	0.6	0.9	1.3	2.6	4.6	6.8	6.8	4.6	2.6	1.3	0.9	0.6	0.2			
30	0.3	0.4	1.6	3.3	9.0	24.9	51.5	85.6	85.6	51.5	24.9	9.0	3.3	1.6	0.4	0.3		
20		1.0	5.1	13.5	80.5	251.4	766.0	1431.7	1431.7	766.0	251.4	80.5	13.5	5.1	1.0			
10	0.4	1.9	10.3	33.9	249.7	879.9	3046.1	5183.7	5183.7	3046.1	879.9	249.7	33.9	10.3	1.9	0.4		
0		2.6	12.8	40.8	278.3	970.8	3355.2	5507.8	5507.8	3355.2	970.8	278.3	40.8	12.8	2.6			
-10	0.5	2.8	11.3	28.6	164.9	535.1	1484.8	2609.5	2609.5	1484.8	535.1	164.9	28.6	11.3	2.8	0.5		
-20		2.6	9.5	19.1	68.9	267.4	551.2	802.7	802.7	551.2	267.4	68.9	19.1	9.5	2.6			
-30	0.4	2.2	8.0	14.9	27.9	83.3	189.1	268.3	268.3	189.1	83.3	27.9	14.9	8.0	2.2	0.4		
-40		1.4	5.7	12.3	19.9	29.8	43.1	56.5	56.5	43.1	29.8	19.9	12.3	5.7	1.4			
-50	0.3	0.7	3.0	7.8	14.1	19.6	24.1	27.0	27.0	24.1	19.6	14.1	7.8	3.0	0.7	0.3		
-60		0.3	1.1	2.9	5.9	9.5	12.7	14.7	14.7	12.7	9.5	5.9	2.9	1.1	0.3			
-70	0.2	0.9	2.8	7.3	10.4	7.3	2.8	0.9	0.2							0.2		
-80		0.9	2.8	7.3	10.4	7.3	2.8	0.9	0.2									
-90	0.2	0.9	2.8	7.3	10.4	7.3	2.8	0.9	0.2									

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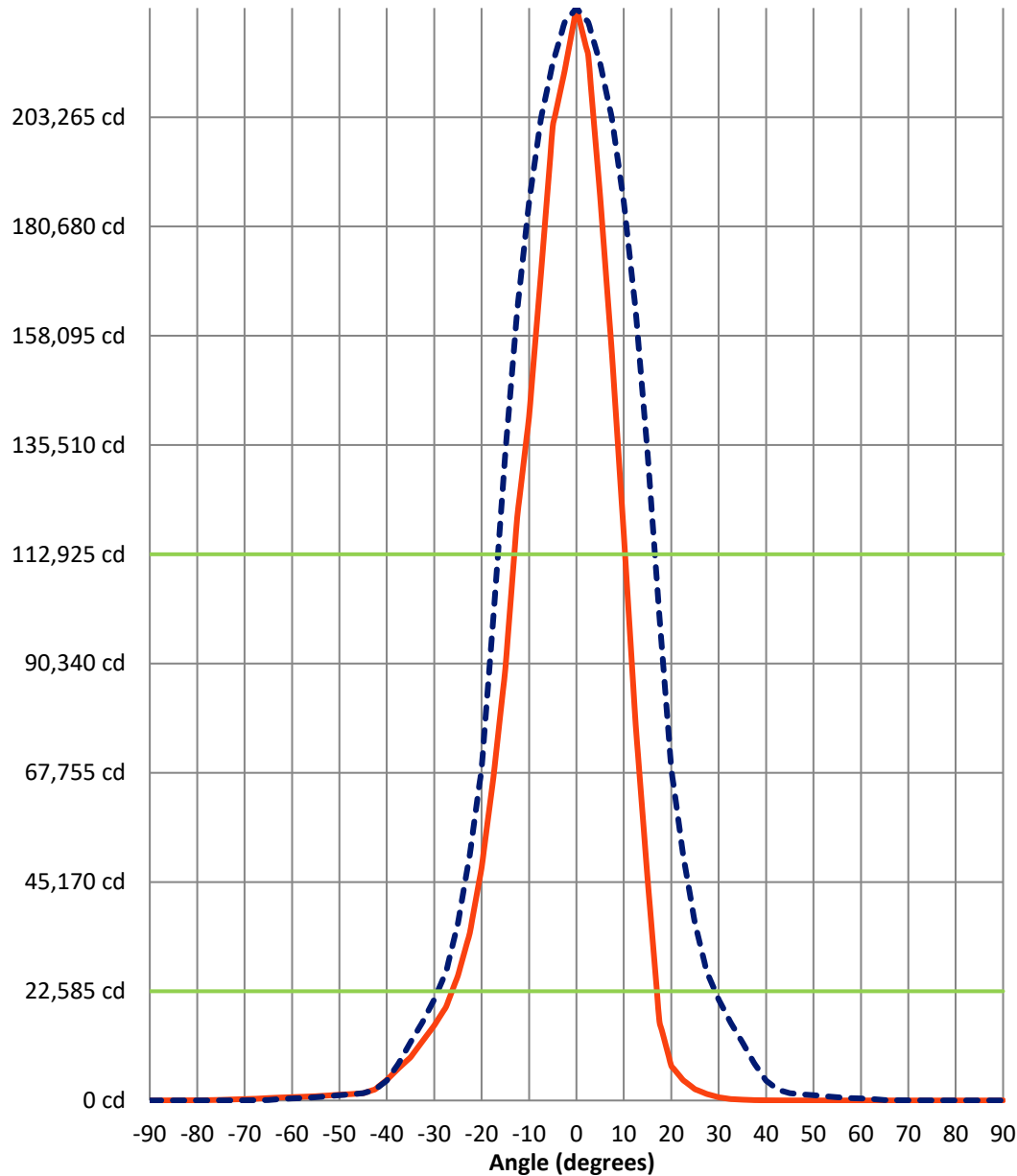
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.1°  
 V Angle: 23.4°  
 Lumens: 30166  
 Efficiency: 50.6%

**Field:**  
 H Angle: 58.5°  
 V Angle: 43.2°  
 Lumens: 51417.5  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 8203  
 Efficiency: 13.8%

- 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°	8.2	9.2	10.3	9.8	9.3	8.7	8.2	8.7	9.3	9.8	10.3
87.5°	8.2	8.3	8.4	8.5	8.6	8.7	8.7	8.7	8.6	8.4	8.2
85°	8.2	8.4	8.6	8.7	8.9	9.1	9.3	9.2	8.9	8.6	8.2
82.5°	8.2	8.5	8.7	9.0	9.3	9.6	9.8	9.6	9.3	9.0	8.8
80°	8.2	8.6	8.9	9.3	9.7	10.0	10.3	9.9	9.7	9.6	9.7
77.5°	8.2	8.7	9.1	9.6	10.0	10.3	10.3	10.1	10.0	10.2	10.3
75°	8.2	8.7	9.3	9.8	10.3	10.3	10.3	10.2	10.3	10.3	10.3
72.5°	8.2	8.8	9.5	10.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3
70°	8.2	8.9	9.6	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
67.5°	8.2	9.0	9.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
65°	8.2	9.1	10.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
62.5°	8.2	9.2	10.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
60°	8.2	9.2	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
57.5°	8.2	9.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
55°	8.2	9.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
52.5°	8.2	9.5	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
50°	8.2	9.5	10.3	10.3	10.3	10.3	10.3	10.4	10.3	10.3	11.2
47.5°	8.2	9.6	10.3	10.3	10.3	10.3	10.3	10.6	10.3	10.3	12.1
45°	8.2	9.7	10.3	10.3	10.3	10.3	10.5	10.8	10.4	11.0	12.9
42.5°	8.2	9.7	10.3	10.3	10.3	10.3	10.7	10.9	10.5	11.5	13.4
40°	8.2	9.8	10.3	10.3	10.3	10.3	10.9	11.0	10.8	12.0	13.9
37.5°	8.2	9.9	10.3	10.3	10.3	10.3	11.2	11.2	11.4	12.7	14.2
35°	8.2	9.9	10.3	10.3	10.3	10.4	11.5	11.3	12.0	13.7	14.6
32.5°	8.2	10.0	10.3	10.3	10.3	10.7	11.7	11.4	12.6	14.8	16.1
30°	8.2	10.0	10.3	10.3	10.3	10.9	11.8	11.6	13.1	16.1	17.9
27.5°	8.2	10.1	10.3	10.3	10.3	11.1	12.0	12.1	13.8	17.6	19.9
25°	8.2	10.1	10.3	10.3	10.3	11.4	12.1	12.5	15.0	19.2	22.2
22.5°	8.2	10.1	10.3	10.3	10.3	11.6	12.2	12.9	16.2	21.0	26.5
20°	8.2	10.2	10.3	10.3	10.3	11.8	12.4	13.3	17.5	22.9	31.1
17.5°	8.2	10.2	10.3	10.3	10.3	11.9	12.5	13.6	18.8	24.8	35.9
15°	8.2	10.2	10.3	10.3	10.3	12.0	12.7	14.3	20.1	26.9	40.9
12.5°	8.2	10.3	10.3	10.3	10.3	12.1	13.0	15.3	22.0	28.9	45.9
10°	8.2	10.3	10.3	10.3	10.3	12.2	13.2	16.3	24.4	33.1	52.5
7.5°	8.2	10.3	10.3	10.3	10.3	12.3	13.5	17.4	26.7	37.8	62.3
5°	8.2	10.3	10.3	10.3	10.3	12.4	13.8	18.5	28.9	42.5	72.2
2.5°	8.2	10.3	10.3	10.3	10.3	12.4	14.1	19.6	31.0	47.1	81.7
0°	8.2	10.3	10.3	10.3	10.3	12.4	14.4	20.6	33.0	51.5	90.7
-2.5°	8.2	10.3	10.3	10.3	10.3	12.6	15.8	23.5	38.9	62.4	107.1
-5°	8.2	10.3	10.3	10.3	10.3	12.8	17.1	26.2	44.4	72.7	122.3
-7.5°	8.2	10.3	10.3	10.3	10.3	12.9	18.2	28.7	49.5	82.1	136.2
-10°	8.2	10.3	10.3	10.3	10.3	13.1	19.3	31.0	53.9	90.5	148.3
-12.5°	8.2	10.3	10.3	10.3	10.3	13.1	20.1	33.0	57.6	97.7	159.1
-15°	8.2	10.2	10.3	10.3	10.3	13.1	20.8	34.5	61.2	104.6	168.1
-17.5°	8.2	10.2	10.3	10.3	10.3	13.1	21.2	36.2	64.5	109.8	174.7
-20°	8.2	10.2	10.3	10.3	10.3	13.0	21.5	37.8	66.5	113.3	178.9



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 CATALOG NUMBER: EPH-08-680N-50-80-4S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	10.2	10.3	10.3	10.3	12.8	22.0	38.9	67.3	114.8	180.4
-25°	8.2	10.1	10.3	10.3	10.3	12.8	22.1	39.4	66.6	114.2	179.2
-27.5°	8.2	10.1	10.3	10.3	10.3	12.8	21.7	39.3	64.4	112.2	178.1
-30°	8.2	10.1	10.3	10.3	10.3	12.6	21.0	38.6	62.9	109.6	174.3
-32.5°	8.2	10.1	10.3	10.3	10.5	12.3	19.7	37.6	62.0	104.8	167.5
-35°	8.2	10.0	10.3	10.3	10.6	11.8	19.0	36.1	60.1	97.8	157.7
-37.5°	8.2	10.0	10.3	10.3	10.8	11.4	18.4	33.9	57.4	88.5	142.1
-40°	8.2	10.0	10.3	10.3	10.9	11.6	17.5	31.0	53.8	82.6	126.5
-42.5°	8.2	9.9	10.3	10.3	11.0	11.7	16.3	27.5	49.6	75.7	109.7
-45°	8.2	9.9	10.3	10.4	11.1	11.9	14.8	24.3	44.7	67.8	93.1
-47.5°	8.2	9.9	10.3	10.4	11.1	12.1	13.1	22.2	38.8	59.1	83.2
-50°	8.2	9.8	10.3	10.4	11.2	12.2	13.0	19.8	31.3	50.6	72.4
-52.5°	8.2	9.8	10.3	10.5	11.2	12.3	13.2	17.0	26.4	41.5	60.9
-55°	8.2	9.8	10.3	10.5	11.2	12.3	13.3	14.2	22.5	31.9	49.9
-57.5°	8.2	9.7	10.3	10.5	11.1	12.2	13.5	14.4	18.6	26.3	38.4
-60°	8.2	9.7	10.3	10.5	11.1	12.1	13.6	14.5	15.4	21.9	28.7
-62.5°	8.2	9.7	10.3	10.4	11.0	11.9	13.3	14.4	15.2	17.5	23.9
-65°	8.2	9.6	10.3	10.4	10.9	11.8	13.0	14.2	14.8	16.1	19.1
-67.5°	8.2	9.6	10.3	10.4	10.8	11.5	12.7	13.7	14.4	15.3	16.9
-70°	8.2	9.6	10.3	10.3	10.6	11.3	12.3	13.1	13.8	14.4	15.6
-72.5°	8.2	9.5	10.3	10.3	10.5	11.0	11.8	12.6	13.1	13.7	14.2
-75°	8.2	9.5	10.3	10.2	10.3	10.7	11.4	11.9	12.5	12.9	13.4
-77.5°	8.2	9.5	10.3	10.1	10.2	10.4	10.9	11.3	11.8	12.2	12.6
-80°	8.2	9.4	10.3	10.1	10.0	10.1	10.4	10.7	11.1	11.4	11.7
-82.5°	8.2	9.4	10.3	10.0	9.8	9.8	9.8	10.1	10.3	10.6	10.9
-85°	8.2	9.3	10.3	9.9	9.6	9.4	9.3	9.7	10.0	10.2	10.3
-87.5°	8.2	9.3	10.3	9.8	9.4	9.1	8.7	9.2	9.6	10.0	10.3
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



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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°	9.8	9.3	8.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.7
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.7	7.6
82.5°	8.8	8.7	8.5	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	9.6	9.3	8.8	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	9.9	9.4	8.9	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	9.9	9.4	8.9	8.4	8.2	8.2	8.3	8.7	8.9	8.9	8.7
72.5°	10.0	9.5	9.0	8.5	8.7	9.2	9.6	10.1	10.6	10.9	11.2
70°	10.1	9.6	9.4	9.5	9.9	10.5	11.4	12.5	13.6	14.4	15.7
67.5°	10.2	9.9	10.0	10.4	11.1	12.1	13.4	16.1	19.0	20.6	22.3
65°	10.3	10.2	10.6	11.3	12.3	14.9	17.9	21.2	26.3	29.2	30.5
62.5°	10.3	10.5	11.0	12.5	15.4	18.6	22.8	28.5	35.4	40.1	40.3
60°	10.3	10.6	12.3	15.2	18.4	22.4	28.0	35.8	45.9	53.4	48.7
57.5°	10.3	11.5	14.4	17.5	21.0	25.6	32.9	42.7	52.4	62.5	53.6
55°	10.8	13.1	16.0	19.2	23.2	28.2	35.8	44.1	54.6	57.7	47.5
52.5°	12.2	14.5	17.0	20.5	25.0	29.3	34.2	41.4	44.7	45.3	37.7
50°	13.4	15.2	17.5	21.3	25.7	28.8	29.9	34.1	34.4	31.2	27.1
47.5°	14.2	15.9	17.7	21.7	25.7	27.6	27.1	26.1	23.9	22.1	17.2
45°	14.7	16.5	18.2	22.2	25.5	26.2	23.8	18.8	19.6	17.5	16.2
42.5°	15.2	17.1	19.8	23.0	25.0	24.8	21.4	19.9	18.5	18.1	17.6
40°	15.7	17.6	21.8	24.5	25.1	24.3	24.4	23.3	20.1	21.4	21.6
37.5°	16.2	19.6	24.5	28.7	25.8	27.3	29.2	29.6	27.9	27.3	30.1
35°	16.6	21.8	30.0	34.6	32.0	33.0	36.9	38.5	39.0	38.8	40.9
32.5°	18.0	24.1	37.3	41.8	43.0	43.7	46.4	50.4	54.9	56.8	54.4
30°	20.9	30.8	45.7	50.5	55.8	63.5	61.8	64.8	74.9	79.1	82.9
27.5°	25.6	39.6	54.0	62.2	71.8	89.3	95.5	89.2	97.8	106.0	118.4
25°	30.9	61.9	63.4	75.6	97.1	123.5	140.3	147.5	128.4	142.6	175.8
22.5°	42.9	91.0	96.9	89.9	126.3	165.3	198.5	216.3	214.0	200.1	244.8
20°	64.2	120.4	136.0	138.9	166.7	213.2	265.0	295.2	323.8	373.6	504.5
17.5°	89.0	153.0	177.6	202.5	252.9	294.3	338.6	383.4	451.3	599.5	1043.6
15°	116.7	188.1	221.0	271.5	346.7	415.9	469.9	510.1	629.9	940.6	1725.8
12.5°	146.1	225.1	265.8	344.6	445.4	543.7	620.3	701.4	902.9	1513.8	2810.7
10°	176.3	263.2	311.4	420.2	547.5	675.6	774.9	897.0	1212.0	2162.7	3994.6
7.5°	209.9	303.9	357.9	496.6	650.8	809.2	931.5	1094.0	1527.4	2818.5	5186.1
5°	242.5	346.5	407.4	562.5	737.7	926.7	1077.8	1288.9	1839.4	3454.1	6343.8
2.5°	272.5	387.7	455.9	622.7	810.7	1015.9	1177.6	1405.5	2055.5	3871.7	7196.1
0°	<b>298.8</b>	<b>426.6</b>	<b>502.8</b>	<b>678.0</b>	<b>877.9</b>	<b>1098.4</b>	<b>1271.5</b>	<b>1512.6</b>	<b>2229.8</b>	<b>4123.7</b>	<b>7705.4</b>
-2.5°	308.8	441.6	522.1	692.0	887.3	1112.4	1288.8	1522.0	2283.3	4225.9	7780.5
-5°	314.6	453.1	539.0	701.1	890.5	1117.9	1299.0	1521.8	2269.9	4137.3	7414.7
-7.5°	316.4	460.9	553.3	702.3	873.7	1082.0	1248.2	1442.0	2091.1	3771.6	6626.2
-10°	314.6	459.7	549.0	676.4	830.1	1018.9	1180.1	1354.7	1884.8	3312.7	5749.3
-12.5°	308.8	451.3	540.8	649.0	784.9	951.2	1108.7	1261.7	1655.7	2766.6	4846.2
-15°	301.0	441.4	532.2	621.2	739.4	880.0	1034.9	1164.0	1417.3	2183.9	3949.8
-17.5°	291.8	430.3	523.6	593.9	694.8	806.4	962.8	1082.6	1241.5	1812.4	3228.5
-20°	281.7	418.6	515.5	567.9	653.3	750.4	893.4	1015.1	1149.5	1519.5	2455.1



REPORT NUMBER: P1306363 (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°	271.1	406.7	503.8	553.5	626.0	712.0	823.5	943.7	1056.0	1196.2	1798.5
-25°	265.8	389.1	486.3	543.7	600.7	674.6	756.1	868.8	969.1	1103.8	1451.3
-27.5°	263.3	372.6	465.6	532.7	575.8	640.5	708.0	795.0	909.8	1028.9	1154.9
-30°	257.1	348.2	444.4	517.3	560.1	612.7	669.3	743.2	852.8	962.7	1074.0
-32.5°	242.0	322.1	417.0	492.7	545.7	586.6	641.5	709.2	797.3	898.2	998.2
-35°	222.5	299.4	386.0	468.2	529.2	568.9	618.7	677.0	745.9	836.4	943.2
-37.5°	203.0	274.1	353.6	438.7	502.5	554.9	594.7	647.6	707.5	779.2	884.2
-40°	181.2	246.4	322.5	402.3	477.0	534.5	578.8	618.8	670.6	741.0	816.1
-42.5°	157.9	219.9	289.6	364.3	438.7	504.5	560.7	598.4	642.4	703.4	772.0
-45°	138.1	191.0	254.8	323.5	393.5	466.0	525.8	580.7	620.8	667.2	728.2
-47.5°	117.2	162.0	220.0	280.2	346.1	414.0	483.9	542.1	598.6	640.9	684.1
-50°	97.6	137.7	182.2	238.1	296.3	359.6	424.7	493.7	553.0	607.7	654.8
-52.5°	84.3	112.3	151.6	195.8	248.0	302.9	364.0	427.3	492.5	554.6	603.6
-55°	70.0	93.7	121.5	158.9	201.0	249.3	301.7	360.0	417.6	478.4	534.3
-57.5°	56.2	76.5	98.2	124.4	159.8	197.7	244.0	292.4	345.1	397.2	441.6
-60°	42.5	60.1	79.4	99.0	120.7	153.8	187.4	228.2	273.0	316.3	355.3
-62.5°	29.9	44.4	61.2	78.7	96.3	113.4	140.4	170.9	201.5	238.0	272.2
-65°	24.8	31.0	43.3	58.8	74.7	90.5	106.0	121.0	146.4	172.2	196.2
-67.5°	19.7	25.2	30.9	38.5	52.6	66.7	81.4	95.2	108.6	121.5	136.6
-70°	17.4	19.7	24.2	29.4	34.6	41.7	54.2	67.0	80.3	93.5	105.0
-72.5°	15.8	17.9	20.0	22.1	26.3	30.8	35.1	39.4	47.6	59.1	70.6
-75°	14.4	16.0	17.9	19.9	21.6	23.5	25.8	29.5	33.3	37.2	41.1
-77.5°	13.2	14.2	15.6	17.4	19.0	20.4	22.0	23.6	25.4	27.3	29.3
-80°	12.1	12.4	13.1	14.1	15.4	16.8	18.1	19.4	20.7	22.0	23.4
-82.5°	11.1	11.3	11.6	11.8	12.4	13.1	14.0	15.1	15.8	16.5	17.3
-85°	10.3	10.3	10.5	10.6	10.9	11.2	11.6	12.0	12.2	12.5	12.7
-87.5°	10.0	9.8	9.6	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.9
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.7



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.2	9.3	10.3	11.3	12.4	13.4	14.4	15.5	16.5	17.5	18.5
87.5°	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1	3.6	3.1
85°	7.5	7.2	6.9	6.6	6.2	5.7	5.2	4.6	4.1	3.6	3.1
82.5°	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.7	4.1	3.6	3.1
80°	8.2	7.8	7.3	6.8	6.3	5.7	5.2	4.7	4.1	3.6	3.1
77.5°	8.2	7.8	7.3	6.8	6.3	5.8	5.2	4.7	4.2	4.0	4.0
75°	8.4	8.0	8.0	7.7	7.3	6.9	6.6	6.2	5.9	5.5	5.1
72.5°	11.4	11.4	11.1	10.8	10.2	9.6	9.2	8.7	8.0	7.5	7.1
70°	16.9	17.6	17.0	15.9	14.1	12.6	11.8	11.0	10.1	9.2	8.4
67.5°	23.5	23.5	21.8	19.6	16.7	14.1	13.0	11.9	10.8	10.2	10.1
65°	30.4	28.4	25.5	22.1	18.1	14.2	13.1	12.0	10.9	10.3	10.3
62.5°	38.0	31.7	25.6	21.1	17.4	14.2	12.7	11.2	9.8	8.8	8.6
60°	40.9	30.3	21.9	18.2	15.2	12.7	11.1	9.9	8.9	8.2	8.2
57.5°	39.6	27.1	17.6	14.6	12.4	10.8	9.7	8.7	7.7	6.9	6.6
55°	33.8	22.1	13.3	11.4	10.2	9.0	8.0	7.4	6.8	6.2	6.2
52.5°	24.8	17.0	11.9	9.9	9.3	8.7	8.1	7.9	7.8	7.5	7.3
50°	18.2	13.1	11.3	10.1	9.7	9.7	10.0	10.0	9.8	9.6	9.3
47.5°	14.8	12.8	11.6	10.4	10.7	11.6	12.1	12.1	11.9	11.7	11.4
45°	14.3	13.2	12.6	13.2	13.9	14.5	14.5	14.1	14.8	15.0	14.7
42.5°	15.8	15.9	17.1	18.1	17.4	18.6	19.9	19.8	20.8	21.5	21.5
40°	22.2	21.6	24.8	25.8	26.2	27.5	31.0	30.6	32.2	36.5	37.3
37.5°	31.8	33.6	35.8	37.8	43.2	46.8	53.6	59.1	62.1	70.4	76.8
35°	44.9	49.4	50.6	61.6	72.8	83.4	93.0	104.6	109.5	127.9	140.7
32.5°	63.6	72.9	85.4	103.4	124.8	150.1	149.1	187.7	201.6	239.3	282.6
30°	89.0	114.9	156.0	184.5	237.0	278.2	299.1	359.4	440.4	517.9	623.3
27.5°	144.7	199.2	273.6	371.8	423.0	485.2	579.1	651.2	836.2	1013.0	1142.7
25°	248.8	363.2	503.7	648.8	739.6	821.0	992.8	1118.8	1381.0	1578.0	1858.9
22.5°	475.8	720.2	898.0	1005.7	1200.7	1455.5	1579.3	1925.7	2314.6	2811.2	3221.5
20°	801.7	1186.3	1582.7	1824.8	2047.4	2610.0	2856.6	3505.5	4332.3	5266.6	6045.6
17.5°	1568.9	1920.1	2727.2	3513.5	4105.0	4660.5	6219.7	7333.5	9495.1	12140.8	13361.1
15°	2815.1	3797.1	4738.8	6165.1	7674.6	9353.9	11800.6	16024.7	21330.3	27115.5	33373.2
12.5°	4563.8	6356.3	8040.9	9836.2	11997.1	16123.6	21702.1	29079.7	38612.7	48840.7	60650.5
10°	6528.2	9256.3	11716.8	14427.4	18264.4	24394.7	32663.1	44044.3	61021.1	78374.6	93427.0
7.5°	8287.5	11591.5	14928.9	18852.4	24934.5	33689.9	45585.8	63355.9	85525.9	107001.0	125311.9
5°	9973.3	13833.0	17637.1	22313.5	29978.8	41405.5	56800.9	81179.5	109206.4	133034.7	153102.5
2.5°	11286.8	15587.0	19940.2	25440.1	34185.5	47186.7	64672.8	94179.8	128007.0	154433.6	177380.1
0°	12039.3	16163.1	20888.5	26586.7	36649.7	50811.7	68745.1	100164.4	133852.7	163220.6	185645.4
-2.5°	11892.0	16213.1	21044.1	26808.6	36346.8	49943.6	67621.9	97593.6	131123.9	157598.6	179327.9
-5°	11141.3	15094.7	19353.9	24411.3	32827.7	45217.0	62574.6	90739.9	121857.9	148338.9	170423.4
-7.5°	9970.6	13466.6	17174.4	21576.3	28694.2	39474.6	54394.7	76324.9	103895.5	127879.1	144431.8
-10°	8692.8	11769.0	15115.0	19098.5	24712.6	33163.8	44468.6	60310.5	82859.8	102844.6	118198.6
-12.5°	7481.3	10277.9	13188.6	16514.9	20764.2	27420.7	36012.6	47839.8	62375.6	78803.5	94486.5
-15°	6319.5	8775.3	11315.3	14394.3	18089.8	22606.0	28382.0	36339.5	45889.4	56656.5	68271.5
-17.5°	5213.5	7369.9	9759.6	12448.1	15501.9	18952.3	23796.4	29253.1	35315.8	42331.4	48982.7
-20°	4090.1	6082.6	8251.0	10644.5	13384.3	16529.8	19976.7	24075.5	28461.7	33255.0	38230.7



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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°	3121.7	4819.5	6716.7	8895.8	11468.1	14240.7	16914.4	19604.7	22849.7	26011.0	29186.0
-25°	2186.0	3532.3	5303.9	7386.8	9570.9	11888.3	13872.7	15769.0	18022.4	20049.2	22159.8
-27.5°	1607.7	2532.7	3997.7	5845.2	7804.0	9393.4	11064.1	12619.5	14251.3	15537.7	17024.2
-30°	1226.0	1758.6	2847.2	4288.2	5859.8	7244.9	8534.2	9942.8	11284.4	12401.1	13335.8
-32.5°	1118.1	1321.1	1872.2	2876.0	4012.0	5241.0	6356.5	7582.6	8708.0	9636.8	10380.9
-35°	1050.8	1160.9	1321.6	1828.3	2494.4	3464.7	4395.5	5399.6	6332.5	7098.7	7714.8
-37.5°	993.4	1089.9	1184.7	1280.0	1646.9	2056.1	2727.9	3454.8	4084.9	4785.6	5332.5
-40°	922.0	1030.4	1107.1	1185.3	1273.5	1375.8	1730.3	2048.7	2405.0	2899.7	3309.2
-42.5°	843.7	935.3	1030.7	1107.4	1175.3	1247.6	1327.9	1407.5	1571.4	1779.3	1948.6
-45°	792.4	852.7	922.0	1009.1	1088.5	1148.7	1208.3	1266.2	1320.9	1370.1	1411.3
-47.5°	737.1	788.3	844.5	904.3	963.1	1030.0	1092.7	1145.2	1186.7	1226.4	1261.8
-50°	687.8	725.7	773.1	819.6	865.9	913.4	960.3	1000.8	1040.9	1077.0	1112.3
-52.5°	648.0	679.9	711.1	742.2	779.8	816.5	851.1	882.3	910.7	935.4	961.4
-55°	580.9	621.1	660.9	688.7	712.4	735.4	758.2	784.0	806.6	826.0	844.2
-57.5°	489.7	538.4	582.7	615.3	646.1	675.0	695.1	709.9	724.3	737.9	750.3
-60°	393.1	429.5	472.0	513.7	552.1	587.0	609.5	628.6	644.8	658.4	670.4
-62.5°	303.7	335.0	369.7	403.3	434.3	465.0	494.8	520.8	543.1	562.0	577.6
-65°	221.3	248.6	278.1	306.6	333.9	360.8	385.6	408.1	428.4	446.6	463.5
-67.5°	157.5	177.5	199.0	218.2	240.0	263.6	286.9	307.8	326.3	341.0	352.0
-70°	115.8	127.2	141.3	157.9	175.9	192.8	209.6	225.7	241.0	254.2	266.1
-72.5°	82.3	94.0	105.3	115.7	126.9	138.0	149.4	161.3	173.4	183.5	192.3
-75°	45.1	51.0	60.4	69.6	78.6	87.1	94.7	101.4	107.2	112.0	116.1
-77.5°	32.0	35.9	39.8	43.7	47.4	51.9	56.6	61.3	66.1	69.8	73.3
-80°	24.8	26.9	29.3	31.7	34.3	37.4	40.6	43.8	47.0	49.3	51.4
-82.5°	18.2	19.7	21.3	22.9	24.4	26.3	28.3	30.2	32.1	33.4	34.6
-85°	12.9	13.9	15.0	16.2	17.3	19.1	20.8	22.5	24.2	25.4	26.6
-87.5°	9.9	10.6	11.2	11.8	12.4	13.9	15.4	16.9	18.4	19.0	19.5
-90°	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1	3.6	3.1



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	19.6	20.6	20.6	20.6	20.6	20.6	19.6	18.5	17.5	16.5	15.5
87.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.6
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.7
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.7
77.5°	4.0	4.1	3.1	2.1	3.1	4.1	4.0	4.0	4.0	4.2	4.7
75°	4.6	4.1	3.1	2.1	3.1	4.1	4.6	5.1	5.5	5.9	6.2
72.5°	6.6	6.2	6.2	6.2	6.2	6.2	6.6	7.1	7.5	8.0	8.7
70°	7.4	6.3	6.2	6.2	6.2	6.3	7.4	8.4	9.2	10.1	11.0
67.5°	10.1	10.2	10.3	10.3	10.3	10.2	10.1	10.1	10.2	10.8	11.9
65°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.9	12.0
62.5°	8.4	8.3	8.2	8.2	8.2	8.3	8.4	8.6	8.8	9.8	11.2
60°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.9	9.9
57.5°	6.4	6.3	6.2	6.2	6.2	6.3	6.4	6.6	6.9	7.7	8.7
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.8	7.4
52.5°	7.0	6.4	6.2	6.2	6.2	6.4	7.0	7.3	7.5	7.8	7.9
50°	8.9	8.4	8.2	8.2	8.2	8.4	8.9	9.3	9.6	9.8	10.0
47.5°	11.0	10.5	10.3	10.3	10.3	10.5	11.0	11.4	11.7	11.9	12.1
45°	14.0	13.0	12.4	12.4	12.4	13.0	14.0	14.7	15.0	14.8	14.1
42.5°	21.3	20.8	20.4	20.6	20.4	20.8	21.3	21.5	21.5	20.8	19.8
40°	39.1	40.2	40.7	41.2	40.7	40.2	39.1	37.3	36.5	32.2	30.6
37.5°	80.3	78.8	75.3	76.3	75.3	78.8	80.3	76.8	70.4	62.1	59.1
35°	149.1	158.0	164.3	169.0	164.3	158.0	149.1	140.7	127.9	109.5	104.6
32.5°	298.6	310.9	307.4	300.9	307.4	310.9	298.6	282.6	239.3	201.6	187.7
30°	685.5	721.4	711.8	669.8	711.8	721.4	685.5	623.3	517.9	440.4	359.4
27.5°	1235.9	1322.4	1378.8	1349.8	1378.8	1322.4	1235.9	1142.7	1013.0	836.2	651.2
25°	2101.3	2269.1	2389.3	2339.0	2389.3	2269.1	2101.3	1858.9	1578.0	1381.0	1118.8
22.5°	3736.1	4011.9	4175.7	4218.5	4175.7	4011.9	3736.1	3221.5	2811.2	2314.6	1925.7
20°	7025.3	7245.2	7288.8	7179.9	7288.8	7245.2	7025.3	6045.6	5266.6	4332.3	3505.5
17.5°	16903.8	17919.1	17174.9	16393.9	17174.9	17919.1	16903.8	13361.1	12140.8	9495.1	7333.5
15°	38668.4	42955.8	45398.3	45896.7	45398.3	42955.8	38668.4	33373.2	27115.5	21330.3	16024.7
12.5°	68135.8	75045.3	77896.7	77630.3	77896.7	75045.3	68135.8	60650.5	48840.7	38612.7	29079.7
10°	103082.6	110469.7	116825.7	116890.1	116825.7	110469.7	103082.6	93427.0	78374.6	61021.1	44044.3
7.5°	138021.4	146540.7	152520.2	154226.1	152520.2	146540.7	138021.4	125311.9	107001.0	85525.9	63355.9
5°	168608.1	179155.4	185091.8	186904.6	185091.8	179155.4	168608.1	153102.5	133034.7	109206.4	81179.5
2.5°	195499.9	208420.8	214931.6	215943.7	214931.6	208420.8	195499.9	177380.1	154433.6	128007.0	94179.8
0°	202898.7	214416.6	222848.5	225850.1	222848.5	214416.6	202898.7	185645.4	163220.6	133852.7	100164.4
-2.5°	195604.5	205681.4	210706.9	212803.0	210706.9	205681.4	195604.5	179327.9	157598.6	131123.9	97593.6
-5°	184074.8	193478.8	199879.0	201361.3	199879.0	193478.8	184074.8	170423.4	148338.9	121857.9	90739.9
-7.5°	155349.1	164605.4	167481.2	170741.5	167481.2	164605.4	155349.1	144431.8	127879.1	103895.5	76324.9
-10°	129797.2	136997.9	138978.4	141288.2	138978.4	136997.9	129797.2	118198.6	102844.6	82859.8	60310.5
-12.5°	107396.0	114528.6	117757.6	120521.2	117757.6	114528.6	107396.0	94486.5	78803.5	62375.6	47839.8
-15°	78682.1	85385.9	87701.6	89196.7	87701.6	85385.9	78682.1	68271.5	56656.5	45889.4	36339.5
-17.5°	56996.0	62101.5	65135.5	66894.4	65135.5	62101.5	56996.0	48982.7	42331.4	35315.8	29253.1
-20°	42604.4	45530.2	47880.4	48138.8	47880.4	45530.2	42604.4	38230.7	33255.0	28461.7	24075.5



REPORT NUMBER: P1306363 (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°	31846.0	33588.7	34670.7	34605.4	34670.7	33588.7	31846.0	29186.0	26011.0	22849.7	19604.7
-25°	23769.3	24941.0	25686.2	25820.1	25686.2	24941.0	23769.3	22159.8	20049.2	18022.4	15769.0
-27.5°	18088.4	18913.4	19340.8	19363.5	19340.8	18913.4	18088.4	17024.2	15537.7	14251.3	12619.5
-30°	14014.1	14701.1	15156.8	15505.7	15156.8	14701.1	14014.1	13335.8	12401.1	11284.4	9942.8
-32.5°	11006.1	11592.6	11990.2	12226.9	11990.2	11592.6	11006.1	10380.9	9636.8	8708.0	7582.6
-35°	8251.3	8720.9	9002.0	8931.6	9002.0	8720.9	8251.3	7714.8	7098.7	6332.5	5399.6
-37.5°	5814.3	6212.4	6495.7	6675.0	6495.7	6212.4	5814.3	5332.5	4785.6	4084.9	3454.8
-40°	3663.6	3939.0	4134.9	4259.7	4134.9	3939.0	3663.6	3309.2	2899.7	2405.0	2048.7
-42.5°	2086.5	2189.4	2258.7	2295.8	2258.7	2189.4	2086.5	1948.6	1779.3	1571.4	1407.5
-45°	1443.1	1468.8	1487.3	1498.2	1487.3	1468.8	1443.1	1411.3	1370.1	1320.9	1266.2
-47.5°	1289.6	1310.6	1324.3	1331.3	1324.3	1310.6	1289.6	1261.8	1226.4	1186.7	1145.2
-50°	1144.0	1169.8	1185.4	1191.2	1185.4	1169.8	1144.0	1112.3	1077.0	1040.9	1000.8
-52.5°	985.7	1006.7	1020.8	1028.4	1020.8	1006.7	985.7	961.4	935.4	910.7	882.3
-55°	860.1	873.5	880.4	882.0	880.4	873.5	860.1	844.2	826.0	806.6	784.0
-57.5°	760.8	769.4	776.2	781.1	776.2	769.4	760.8	750.3	737.9	724.3	709.9
-60°	680.1	687.5	691.3	692.4	691.3	687.5	680.1	670.4	658.4	644.8	628.6
-62.5°	589.6	598.5	605.3	610.0	605.3	598.5	589.6	577.6	562.0	543.1	520.8
-65°	478.8	492.2	499.2	502.8	499.2	492.2	478.8	463.5	446.6	428.4	408.1
-67.5°	360.8	367.6	369.3	368.9	369.3	367.6	360.8	352.0	341.0	326.3	307.8
-70°	277.1	287.2	290.9	292.6	290.9	287.2	277.1	266.1	254.2	241.0	225.7
-72.5°	200.3	207.4	211.5	214.3	211.5	207.4	200.3	192.3	183.5	173.4	161.3
-75°	119.6	122.5	124.4	125.7	124.4	122.5	119.6	116.1	112.0	107.2	101.4
-77.5°	76.6	79.8	81.3	82.4	81.3	79.8	76.6	73.3	69.8	66.1	61.3
-80°	53.4	55.3	55.5	55.6	55.5	55.3	53.4	51.4	49.3	47.0	43.8
-82.5°	35.8	37.0	37.1	37.1	37.1	37.0	35.8	34.6	33.4	32.1	30.2
-85°	27.7	28.8	28.9	28.9	28.9	28.8	27.7	26.6	25.4	24.2	22.5
-87.5°	20.1	20.6	21.6	22.7	21.6	20.6	20.1	19.5	19.0	18.4	16.9
-90°	2.6	2.1	1.1	0.0	1.1	2.1	2.6	3.1	3.6	4.1	4.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.4	13.4	12.4	11.3	10.3	9.3	8.2	8.2	8.2	8.2	8.2
87.5°	5.2	5.7	6.2	6.2	6.2	6.2	6.2	6.7	7.2	7.7	8.2
85°	5.2	5.7	6.2	6.6	6.9	7.2	7.5	7.6	7.7	7.9	8.2
82.5°	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.2
80°	5.2	5.7	6.3	6.8	7.3	7.8	8.2	8.2	8.2	8.2	8.2
77.5°	5.2	5.8	6.3	6.8	7.3	7.8	8.2	8.2	8.2	8.2	8.2
75°	6.6	6.9	7.3	7.7	8.0	8.0	8.4	8.7	8.9	8.9	8.7
72.5°	9.2	9.6	10.2	10.8	11.1	11.4	11.4	11.2	10.9	10.6	10.1
70°	11.8	12.6	14.1	15.9	17.0	17.6	16.9	15.7	14.4	13.6	12.5
67.5°	13.0	14.1	16.7	19.6	21.8	23.5	23.5	22.3	20.6	19.0	16.1
65°	13.1	14.2	18.1	22.1	25.5	28.4	30.4	30.5	29.2	26.3	21.2
62.5°	12.7	14.2	17.4	21.1	25.6	31.7	38.0	40.3	40.1	35.4	28.5
60°	11.1	12.7	15.2	18.2	21.9	30.3	40.9	48.7	53.4	45.9	35.8
57.5°	9.7	10.8	12.4	14.6	17.6	27.1	39.6	53.6	62.5	52.4	42.7
55°	8.0	9.0	10.2	11.4	13.3	22.1	33.8	47.5	57.7	54.6	44.1
52.5°	8.1	8.7	9.3	9.9	11.9	17.0	24.8	37.7	45.3	44.7	41.4
50°	10.0	9.7	9.7	10.1	11.3	13.1	18.2	27.1	31.2	34.4	34.1
47.5°	12.1	11.6	10.7	10.4	11.6	12.8	14.8	17.2	22.1	23.9	26.1
45°	14.5	14.5	13.9	13.2	12.6	13.2	14.3	16.2	17.5	19.6	18.8
42.5°	19.9	18.6	17.4	18.1	17.1	15.9	15.8	17.6	18.1	18.5	19.9
40°	31.0	27.5	26.2	25.8	24.8	21.6	22.2	21.6	21.4	20.1	23.3
37.5°	53.6	46.8	43.2	37.8	35.8	33.6	31.8	30.1	27.3	27.9	29.6
35°	93.0	83.4	72.8	61.6	50.6	49.4	44.9	40.9	38.8	39.0	38.5
32.5°	149.1	150.1	124.8	103.4	85.4	72.9	63.6	54.4	56.8	54.9	50.4
30°	299.1	278.2	237.0	184.5	156.0	114.9	89.0	82.9	79.1	74.9	64.8
27.5°	579.1	485.2	423.0	371.8	273.6	199.2	144.7	118.4	106.0	97.8	89.2
25°	992.8	821.0	739.6	648.8	503.7	363.2	248.8	175.8	142.6	128.4	147.5
22.5°	1579.3	1455.5	1200.7	1005.7	898.0	720.2	475.8	244.8	200.1	214.0	216.3
20°	2856.6	2610.0	2047.4	1824.8	1582.7	1186.3	801.7	504.5	373.6	323.8	295.2
17.5°	6219.7	4660.5	4105.0	3513.5	2727.2	1920.1	1568.9	1043.6	599.5	451.3	383.4
15°	11800.6	9353.9	7674.6	6165.1	4738.8	3797.1	2815.1	1725.8	940.6	629.9	510.1
12.5°	21702.1	16123.6	11997.1	9836.2	8040.9	6356.3	4563.8	2810.7	1513.8	902.9	701.4
10°	32663.1	24394.7	18264.4	14427.4	11716.8	9256.3	6528.2	3994.6	2162.7	1212.0	897.0
7.5°	45585.8	33689.9	24934.5	18852.4	14928.9	11591.5	8287.5	5186.1	2818.5	1527.4	1094.0
5°	56800.9	41405.5	29978.8	22313.5	17637.1	13833.0	9973.3	6343.8	3454.1	1839.4	1288.9
2.5°	64672.8	47186.7	34185.5	25440.1	19940.2	15587.0	11286.8	7196.1	3871.7	2055.5	1405.5
0°	68745.1	50811.7	36649.7	26586.7	20888.5	16163.1	12039.3	7705.4	4123.7	2229.8	1512.6
-2.5°	67621.9	49943.6	36346.8	26808.6	21044.1	16213.1	11892.0	7780.5	4225.9	2283.3	1522.0
-5°	62574.6	45217.0	32827.7	24411.3	19353.9	15094.7	11141.3	7414.7	4137.3	2269.9	1521.8
-7.5°	54394.7	39474.6	28694.2	21576.3	17174.4	13466.6	9970.6	6626.2	3771.6	2091.1	1442.0
-10°	44468.6	33163.8	24712.6	19098.5	15115.0	11769.0	8692.8	5749.3	3312.7	1884.8	1354.7
-12.5°	36012.6	27420.7	20764.2	16514.9	13188.6	10277.9	7481.3	4846.2	2766.6	1655.7	1261.7
-15°	28382.0	22606.0	18089.8	14394.3	11315.3	8775.3	6319.5	3949.8	2183.9	1417.3	1164.0
-17.5°	23796.4	18952.3	15501.9	12448.1	9759.6	7369.9	5213.5	3228.5	1812.4	1241.5	1082.6
-20°	19976.7	16529.8	13384.3	10644.5	8251.0	6082.6	4090.1	2455.1	1519.5	1149.5	1015.1



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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°	16914.4	14240.7	11468.1	8895.8	6716.7	4819.5	3121.7	1798.5	1196.2	1056.0	943.7
-25°	13872.7	11888.3	9570.9	7386.8	5303.9	3532.3	2186.0	1451.3	1103.8	969.1	868.8
-27.5°	11064.1	9393.4	7804.0	5845.2	3997.7	2532.7	1607.7	1154.9	1028.9	909.8	795.0
-30°	8534.2	7244.9	5859.8	4288.2	2847.2	1758.6	1226.0	1074.0	962.7	852.8	743.2
-32.5°	6356.5	5241.0	4012.0	2876.0	1872.2	1321.1	1118.1	998.2	898.2	797.3	709.2
-35°	4395.5	3464.7	2494.4	1828.3	1321.6	1160.9	1050.8	943.2	836.4	745.9	677.0
-37.5°	2727.9	2056.1	1646.9	1280.0	1184.7	1089.9	993.4	884.2	779.2	707.5	647.6
-40°	1730.3	1375.8	1273.5	1185.3	1107.1	1030.4	922.0	816.1	741.0	670.6	618.8
-42.5°	1327.9	1247.6	1175.3	1107.4	1030.7	935.3	843.7	772.0	703.4	642.4	598.4
-45°	1208.3	1148.7	1088.5	1009.1	922.0	852.7	792.4	728.2	667.2	620.8	580.7
-47.5°	1092.7	1030.0	963.1	904.3	844.5	788.3	737.1	684.1	640.9	598.6	542.1
-50°	960.3	913.4	865.9	819.6	773.1	725.7	687.8	654.8	607.7	553.0	493.7
-52.5°	851.1	816.5	779.8	742.2	711.1	679.9	648.0	603.6	554.6	492.5	427.3
-55°	758.2	735.4	712.4	688.7	660.9	621.1	580.9	534.3	478.4	417.6	360.0
-57.5°	695.1	675.0	646.1	615.3	582.7	538.4	489.7	441.6	397.2	345.1	292.4
-60°	609.5	587.0	552.1	513.7	472.0	429.5	393.1	355.3	316.3	273.0	228.2
-62.5°	494.8	465.0	434.3	403.3	369.7	335.0	303.7	272.2	238.0	201.5	170.9
-65°	385.6	360.8	333.9	306.6	278.1	248.6	221.3	196.2	172.2	146.4	121.0
-67.5°	286.9	263.6	240.0	218.2	199.0	177.5	157.5	136.6	121.5	108.6	95.2
-70°	209.6	192.8	175.9	157.9	141.3	127.2	115.8	105.0	93.5	80.3	67.0
-72.5°	149.4	138.0	126.9	115.7	105.3	94.0	82.3	70.6	59.1	47.6	39.4
-75°	94.7	87.1	78.6	69.6	60.4	51.0	45.1	41.1	37.2	33.3	29.5
-77.5°	56.6	51.9	47.4	43.7	39.8	35.9	32.0	29.3	27.3	25.4	23.6
-80°	40.6	37.4	34.3	31.7	29.3	26.9	24.8	23.4	22.0	20.7	19.4
-82.5°	28.3	26.3	24.4	22.9	21.3	19.7	18.2	17.3	16.5	15.8	15.1
-85°	20.8	19.1	17.3	16.2	15.0	13.9	12.9	12.7	12.5	12.2	12.0
-87.5°	15.4	13.9	12.4	11.8	11.2	10.6	9.9	9.9	9.8	9.7	9.7
-90°	5.2	5.7	6.2	6.2	6.2	6.2	6.2	6.7	7.2	7.7	8.2



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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°	8.2	8.2	8.2	8.2	8.7	9.3	9.8	10.3	9.8	9.3	8.7
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.4	8.6	8.7
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.6	8.9	9.2
82.5°	8.2	8.2	8.2	8.2	8.5	8.7	8.8	8.8	9.0	9.3	9.6
80°	8.2	8.2	8.2	8.3	8.8	9.3	9.6	9.7	9.6	9.7	9.9
77.5°	8.2	8.2	8.2	8.3	8.9	9.4	9.9	10.3	10.2	10.0	10.1
75°	8.3	8.2	8.2	8.4	8.9	9.4	9.9	10.3	10.3	10.3	10.2
72.5°	9.6	9.2	8.7	8.5	9.0	9.5	10.0	10.3	10.3	10.3	10.3
70°	11.4	10.5	9.9	9.5	9.4	9.6	10.1	10.3	10.3	10.3	10.3
67.5°	13.4	12.1	11.1	10.4	10.0	9.9	10.2	10.3	10.3	10.3	10.3
65°	17.9	14.9	12.3	11.3	10.6	10.2	10.3	10.3	10.3	10.3	10.3
62.5°	22.8	18.6	15.4	12.5	11.0	10.5	10.3	10.3	10.3	10.3	10.3
60°	28.0	22.4	18.4	15.2	12.3	10.6	10.3	10.3	10.3	10.3	10.3
57.5°	32.9	25.6	21.0	17.5	14.4	11.5	10.3	10.3	10.3	10.3	10.3
55°	35.8	28.2	23.2	19.2	16.0	13.1	10.8	10.3	10.3	10.3	10.3
52.5°	34.2	29.3	25.0	20.5	17.0	14.5	12.2	10.3	10.3	10.3	10.3
50°	29.9	28.8	25.7	21.3	17.5	15.2	13.4	11.2	10.3	10.3	10.4
47.5°	27.1	27.6	25.7	21.7	17.7	15.9	14.2	12.1	10.3	10.3	10.6
45°	23.8	26.2	25.5	22.2	18.2	16.5	14.7	12.9	11.0	10.4	10.8
42.5°	21.4	24.8	25.0	23.0	19.8	17.1	15.2	13.4	11.5	10.5	10.9
40°	24.4	24.3	25.1	24.5	21.8	17.6	15.7	13.9	12.0	10.8	11.0
37.5°	29.2	27.3	25.8	28.7	24.5	19.6	16.2	14.2	12.7	11.4	11.2
35°	36.9	33.0	32.0	34.6	30.0	21.8	16.6	14.6	13.7	12.0	11.3
32.5°	46.4	43.7	43.0	41.8	37.3	24.1	18.0	16.1	14.8	12.6	11.4
30°	61.8	63.5	55.8	50.5	45.7	30.8	20.9	17.9	16.1	13.1	11.6
27.5°	95.5	89.3	71.8	62.2	54.0	39.6	25.6	19.9	17.6	13.8	12.1
25°	140.3	123.5	97.1	75.6	63.4	61.9	30.9	22.2	19.2	15.0	12.5
22.5°	198.5	165.3	126.3	89.9	96.9	91.0	42.9	26.5	21.0	16.2	12.9
20°	265.0	213.2	166.7	138.9	136.0	120.4	64.2	31.1	22.9	17.5	13.3
17.5°	338.6	294.3	252.9	202.5	177.6	153.0	89.0	35.9	24.8	18.8	13.6
15°	469.9	415.9	346.7	271.5	221.0	188.1	116.7	40.9	26.9	20.1	14.3
12.5°	620.3	543.7	445.4	344.6	265.8	225.1	146.1	45.9	28.9	22.0	15.3
10°	774.9	675.6	547.5	420.2	311.4	263.2	176.3	52.5	33.1	24.4	16.3
7.5°	931.5	809.2	650.8	496.6	357.9	303.9	209.9	62.3	37.8	26.7	17.4
5°	1077.8	926.7	737.7	562.5	407.4	346.5	242.5	72.2	42.5	28.9	18.5
2.5°	1177.6	1015.9	810.7	622.7	455.9	387.7	272.5	81.7	47.1	31.0	19.6
0°	1271.5	1098.4	877.9	678.0	502.8	426.6	298.8	90.7	51.5	33.0	20.6
-2.5°	1288.8	1112.4	887.3	692.0	522.1	441.6	308.8	107.1	62.4	38.9	23.5
-5°	1299.0	1117.9	890.5	701.1	539.0	453.1	314.6	122.3	72.7	44.4	26.2
-7.5°	1248.2	1082.0	873.7	702.3	553.3	460.9	316.4	136.2	82.1	49.5	28.7
-10°	1180.1	1018.9	830.1	676.4	549.0	459.7	314.6	148.3	90.5	53.9	31.0
-12.5°	1108.7	951.2	784.9	649.0	540.8	451.3	308.8	159.1	97.7	57.6	33.0
-15°	1034.9	880.0	739.4	621.2	532.2	441.4	301.0	168.1	104.6	61.2	34.5
-17.5°	962.8	806.4	694.8	593.9	523.6	430.3	291.8	174.7	109.8	64.5	36.2
-20°	893.4	750.4	653.3	567.9	515.5	418.6	281.7	178.9	113.3	66.5	37.8



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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°	823.5	712.0	626.0	553.5	503.8	406.7	271.1	180.4	114.8	67.3	38.9
-25°	756.1	674.6	600.7	543.7	486.3	389.1	265.8	179.2	114.2	66.6	39.4
-27.5°	708.0	640.5	575.8	532.7	465.6	372.6	263.3	178.1	112.2	64.4	39.3
-30°	669.3	612.7	560.1	517.3	444.4	348.2	257.1	174.3	109.6	62.9	38.6
-32.5°	641.5	586.6	545.7	492.7	417.0	322.1	242.0	167.5	104.8	62.0	37.6
-35°	618.7	568.9	529.2	468.2	386.0	299.4	222.5	157.7	97.8	60.1	36.1
-37.5°	594.7	554.9	502.5	438.7	353.6	274.1	203.0	142.1	88.5	57.4	33.9
-40°	578.8	534.5	477.0	402.3	322.5	246.4	181.2	126.5	82.6	53.8	31.0
-42.5°	560.7	504.5	438.7	364.3	289.6	219.9	157.9	109.7	75.7	49.6	27.5
-45°	525.8	466.0	393.5	323.5	254.8	191.0	138.1	93.1	67.8	44.7	24.3
-47.5°	483.9	414.0	346.1	280.2	220.0	162.0	117.2	83.2	59.1	38.8	22.2
-50°	424.7	359.6	296.3	238.1	182.2	137.7	97.6	72.4	50.6	31.3	19.8
-52.5°	364.0	302.9	248.0	195.8	151.6	112.3	84.3	60.9	41.5	26.4	17.0
-55°	301.7	249.3	201.0	158.9	121.5	93.7	70.0	49.9	31.9	22.5	14.2
-57.5°	244.0	197.7	159.8	124.4	98.2	76.5	56.2	38.4	26.3	18.6	14.4
-60°	187.4	153.8	120.7	99.0	79.4	60.1	42.5	28.7	21.9	15.4	14.5
-62.5°	140.4	113.4	96.3	78.7	61.2	44.4	29.9	23.9	17.5	15.2	14.4
-65°	106.0	90.5	74.7	58.8	43.3	31.0	24.8	19.1	16.1	14.8	14.2
-67.5°	81.4	66.7	52.6	38.5	30.9	25.2	19.7	16.9	15.3	14.4	13.7
-70°	54.2	41.7	34.6	29.4	24.2	19.7	17.4	15.6	14.4	13.8	13.1
-72.5°	35.1	30.8	26.3	22.1	20.0	17.9	15.8	14.2	13.7	13.1	12.6
-75°	25.8	23.5	21.6	19.9	17.9	16.0	14.4	13.4	12.9	12.5	11.9
-77.5°	22.0	20.4	19.0	17.4	15.6	14.2	13.2	12.6	12.2	11.8	11.3
-80°	18.1	16.8	15.4	14.1	13.1	12.4	12.1	11.7	11.4	11.1	10.7
-82.5°	14.0	13.1	12.4	11.8	11.6	11.3	11.1	10.9	10.6	10.3	10.1
-85°	11.6	11.2	10.9	10.6	10.5	10.3	10.3	10.3	10.2	10.0	9.7
-87.5°	9.6	9.5	9.5	9.4	9.6	9.8	10.0	10.3	10.0	9.6	9.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.7	9.3	9.8	10.3	9.2	8.2
87.5°	8.7	8.7	8.6	8.5	8.4	8.3	8.2
85°	9.3	9.1	8.9	8.7	8.6	8.4	8.2
82.5°	9.8	9.6	9.3	9.0	8.7	8.5	8.2
80°	10.3	10.0	9.7	9.3	8.9	8.6	8.2
77.5°	10.3	10.3	10.0	9.6	9.1	8.7	8.2
75°	10.3	10.3	10.3	9.8	9.3	8.7	8.2
72.5°	10.3	10.3	10.3	10.1	9.5	8.8	8.2
70°	10.3	10.3	10.3	10.3	9.6	8.9	8.2
67.5°	10.3	10.3	10.3	10.3	9.8	9.0	8.2
65°	10.3	10.3	10.3	10.3	10.0	9.1	8.2
62.5°	10.3	10.3	10.3	10.3	10.1	9.2	8.2
60°	10.3	10.3	10.3	10.3	10.3	9.2	8.2
57.5°	10.3	10.3	10.3	10.3	10.3	9.3	8.2
55°	10.3	10.3	10.3	10.3	10.3	9.4	8.2
52.5°	10.3	10.3	10.3	10.3	10.3	9.5	8.2
50°	10.3	10.3	10.3	10.3	10.3	9.5	8.2
47.5°	10.3	10.3	10.3	10.3	10.3	9.6	8.2
45°	10.5	10.3	10.3	10.3	10.3	9.7	8.2
42.5°	10.7	10.3	10.3	10.3	10.3	9.7	8.2
40°	10.9	10.3	10.3	10.3	10.3	9.8	8.2
37.5°	11.2	10.3	10.3	10.3	10.3	9.9	8.2
35°	11.5	10.4	10.3	10.3	10.3	9.9	8.2
32.5°	11.7	10.7	10.3	10.3	10.3	10.0	8.2
30°	11.8	10.9	10.3	10.3	10.3	10.0	8.2
27.5°	12.0	11.1	10.3	10.3	10.3	10.1	8.2
25°	12.1	11.4	10.3	10.3	10.3	10.1	8.2
22.5°	12.2	11.6	10.3	10.3	10.3	10.1	8.2
20°	12.4	11.8	10.3	10.3	10.3	10.2	8.2
17.5°	12.5	11.9	10.3	10.3	10.3	10.2	8.2
15°	12.7	12.0	10.3	10.3	10.3	10.2	8.2
12.5°	13.0	12.1	10.3	10.3	10.3	10.3	8.2
10°	13.2	12.2	10.3	10.3	10.3	10.3	8.2
7.5°	13.5	12.3	10.3	10.3	10.3	10.3	8.2
5°	13.8	12.4	10.3	10.3	10.3	10.3	8.2
2.5°	14.1	12.4	10.3	10.3	10.3	10.3	8.2
0°	14.4	12.4	10.3	10.3	10.3	10.3	8.2
-2.5°	15.8	12.6	10.3	10.3	10.3	10.3	8.2
-5°	17.1	12.8	10.3	10.3	10.3	10.3	8.2
-7.5°	18.2	12.9	10.3	10.3	10.3	10.3	8.2
-10°	19.3	13.1	10.3	10.3	10.3	10.3	8.2
-12.5°	20.1	13.1	10.3	10.3	10.3	10.3	8.2
-15°	20.8	13.1	10.3	10.3	10.3	10.2	8.2
-17.5°	21.2	13.1	10.3	10.3	10.3	10.2	8.2
-20°	21.5	13.0	10.3	10.3	10.3	10.2	8.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.0	12.8	10.3	10.3	10.3	10.2	8.2
-25°	22.1	12.8	10.3	10.3	10.3	10.1	8.2
-27.5°	21.7	12.8	10.3	10.3	10.3	10.1	8.2
-30°	21.0	12.6	10.3	10.3	10.3	10.1	8.2
-32.5°	19.7	12.3	10.5	10.3	10.3	10.1	8.2
-35°	19.0	11.8	10.6	10.3	10.3	10.0	8.2
-37.5°	18.4	11.4	10.8	10.3	10.3	10.0	8.2
-40°	17.5	11.6	10.9	10.3	10.3	10.0	8.2
-42.5°	16.3	11.7	11.0	10.3	10.3	9.9	8.2
-45°	14.8	11.9	11.1	10.4	10.3	9.9	8.2
-47.5°	13.1	12.1	11.1	10.4	10.3	9.9	8.2
-50°	13.0	12.2	11.2	10.4	10.3	9.8	8.2
-52.5°	13.2	12.3	11.2	10.5	10.3	9.8	8.2
-55°	13.3	12.3	11.2	10.5	10.3	9.8	8.2
-57.5°	13.5	12.2	11.1	10.5	10.3	9.7	8.2
-60°	13.6	12.1	11.1	10.5	10.3	9.7	8.2
-62.5°	13.3	11.9	11.0	10.4	10.3	9.7	8.2
-65°	13.0	11.8	10.9	10.4	10.3	9.6	8.2
-67.5°	12.7	11.5	10.8	10.4	10.3	9.6	8.2
-70°	12.3	11.3	10.6	10.3	10.3	9.6	8.2
-72.5°	11.8	11.0	10.5	10.3	10.3	9.5	8.2
-75°	11.4	10.7	10.3	10.2	10.3	9.5	8.2
-77.5°	10.9	10.4	10.2	10.1	10.3	9.5	8.2
-80°	10.4	10.1	10.0	10.1	10.3	9.4	8.2
-82.5°	9.8	9.8	9.8	10.0	10.3	9.4	8.2
-85°	9.3	9.4	9.6	9.9	10.3	9.3	8.2
-87.5°	8.7	9.1	9.4	9.8	10.3	9.3	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(END OF REPORT)