

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: P1306124 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-57-80-4S-VHE-A**

Issue Date: 2/3/2026

Test Information

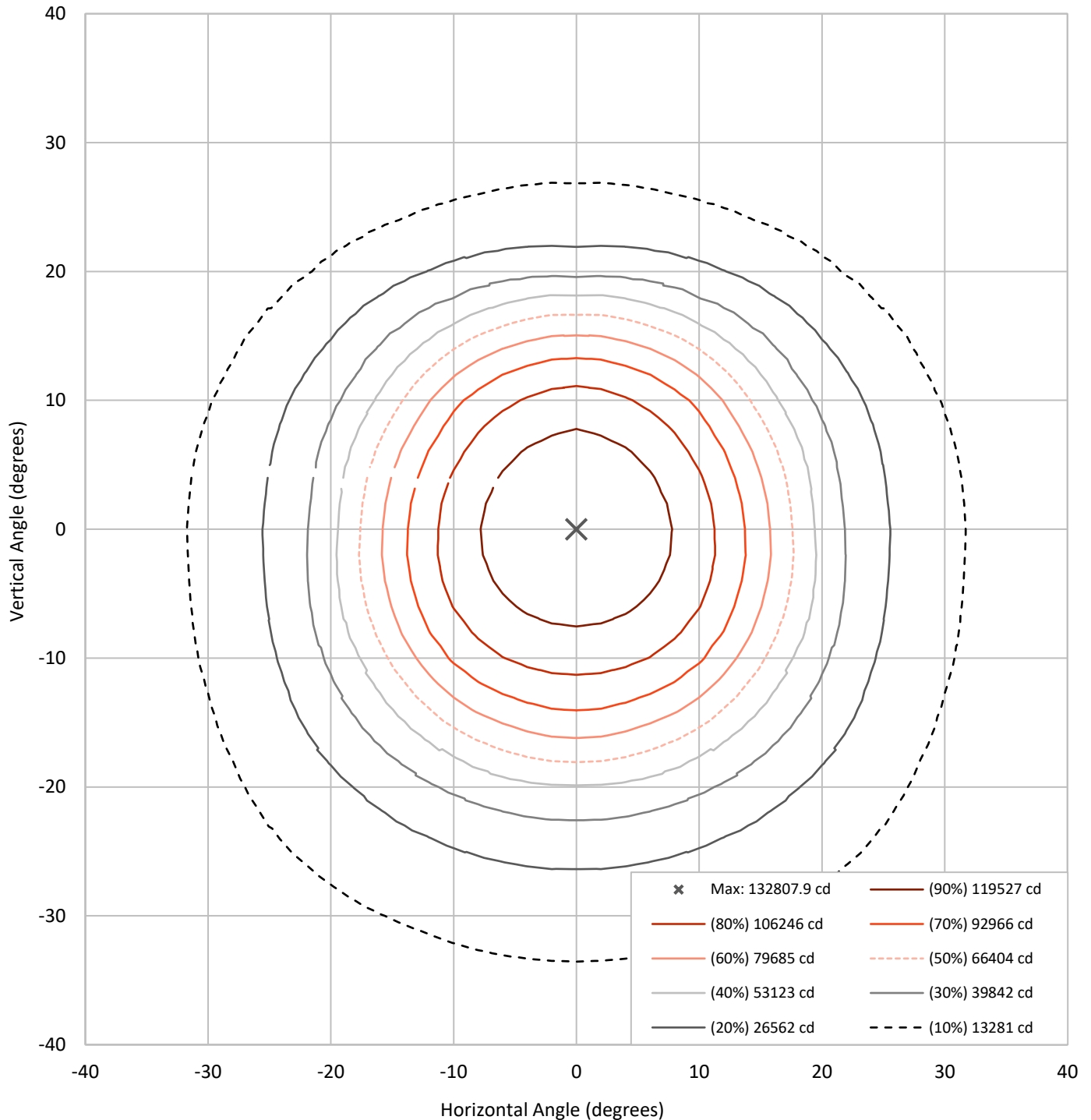
Test Method: LM-79-08
Report Number: P1306124 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-57-80-4S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	55091.3 lumens	Max Intensity:	132807.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	164.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	29569.2 lumens	Field Lumens:	48117.9 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%
Input Watts (W):	334		
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





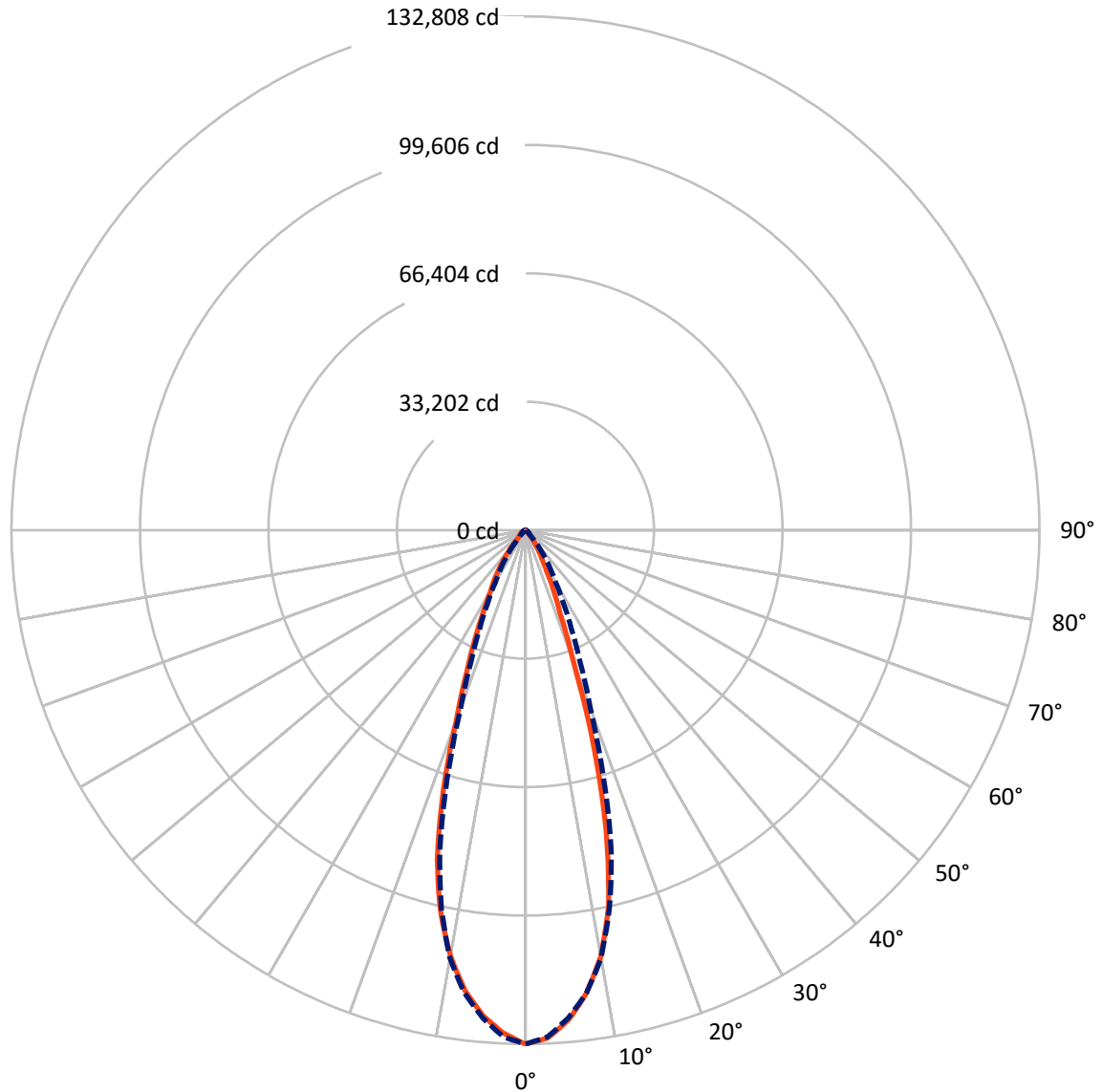
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Lumen Table

90	0.2	0.6		1.0		1.4		1.6		1.4		1.0		0.6		0.2			
80	0.2	0.6		1.0		1.4		1.6		1.4		1.0		0.6		0.2			
70	0.2	0.1	0.1	0.3	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.3	0.1	0.1	0.2			
60		0.3	0.4	0.8	0.7	0.5	0.7	0.8	0.8	0.7	0.5	0.7	0.8	0.4	0.3				
50	0.5	0.7	1.5	3.2	5.8	9.1	13.4	17.3	17.3	13.4	9.1	5.8	3.2	1.5	0.7	0.5			
40		1.6	5.2	10.0	16.5	38.0	85.0	137.8	137.8	85.0	38.0	16.5	10.0	5.2	1.6				
30	1.2	2.9	8.7	16.9	53.2	163.6	356.9	541.2	541.2	356.9	163.6	53.2	16.9	8.7	2.9	1.2			
20		3.9	11.5	27.1	138.4	458.9	1226.2	2178.9	2178.9	1226.2	458.9	138.4	27.1	11.5	3.9				
10	1.8	4.8	13.4	37.6	216.6	753.3	2229.5	3570.1	3570.1	2229.5	753.3	216.6	37.6	13.4	4.8	1.8			
0		5.4	14.9	42.0	232.2	791.1	2337.3	3598.3	3598.3	2337.3	791.1	232.2	42.0	14.9	5.4				
-10	2.0	5.5	15.8	38.7	185.3	584.4	1471.3	2417.2	2417.2	1471.3	584.4	185.3	38.7	15.8	5.5	2.0			
-20		5.1	15.7	33.2	102.0	324.6	637.2	920.2	920.2	637.2	324.6	102.0	33.2	15.7	5.1				
-30	1.9	4.4	14.2	27.8	49.0	120.4	242.7	335.4	335.4	242.7	120.4	49.0	27.8	14.2	4.4	1.9			
-40		3.4	10.6	22.2	35.0	48.6	66.3	84.9	84.9	66.3	48.6	35.0	22.2	10.6	3.4				
-50	1.6	2.6	6.6	14.4	24.9	33.6	40.6	45.5	45.5	40.6	33.6	24.9	14.4	6.6	2.6	1.6			
-60		1.9	3.9	7.3	12.5	17.7	22.5	25.7	25.7	22.5	17.7	12.5	7.3	3.9	1.9				
-70	1.2	7.0	15.7		25.4		31.2		25.4		15.7		7.0		1.2				
-80		1.2	7.0		15.7		25.4		31.2		25.4		7.0						
-90	1.2	7.0		15.7		25.4		31.2		25.4		7.0		1.2					
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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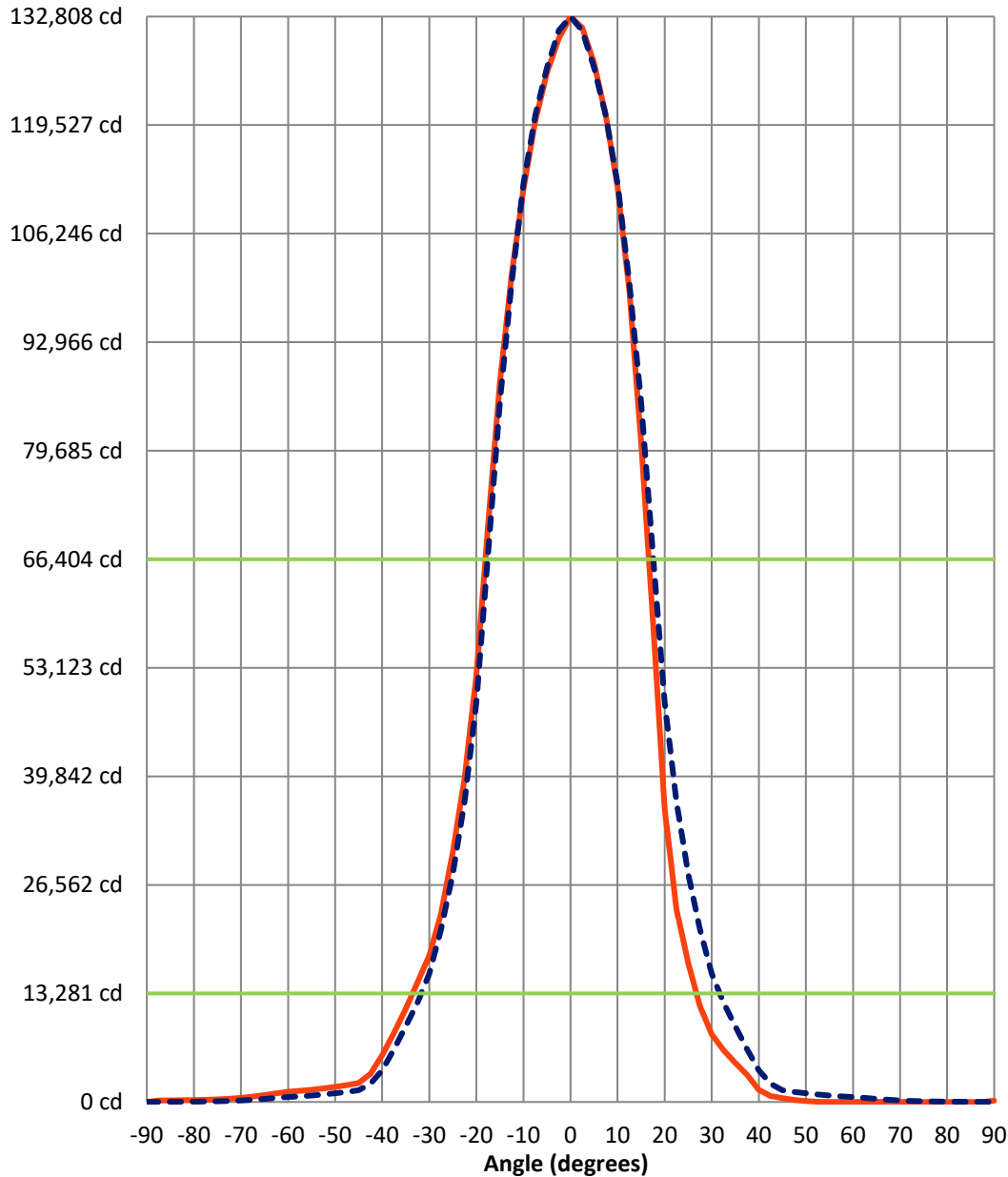
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 35.2°
 V Angle: 34.7°
 Lumens: 29569.2
 Efficiency: 53.7%

Field:
 H Angle: 63.4°
 V Angle: 60.3°
 Lumens: 48117.9
 Efficiency: 87.3%

Spill:
 Lumens: 6973.5
 Efficiency: 12.7%

— 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°	5.9	11.1	16.4	26.9	37.4	46.9	56.5	64.1	71.6	76.6	81.5
87.5°	5.9	5.4	4.7	4.8	4.8	4.8	4.8	4.5	4.1	4.2	4.2
85°	5.9	5.5	4.8	4.9	5.1	5.0	5.0	4.7	4.4	4.4	4.5
82.5°	5.9	5.6	5.0	5.1	5.3	5.3	5.2	4.9	4.7	4.7	4.8
80°	5.9	5.7	5.1	5.3	5.5	5.5	5.4	5.2	5.1	5.1	5.1
77.5°	5.9	5.8	5.2	5.4	5.7	5.7	5.7	5.6	5.6	5.6	5.4
75°	5.9	6.0	5.4	5.6	5.9	6.0	6.1	6.0	6.0	5.8	5.4
72.5°	5.9	6.1	5.5	5.8	6.2	6.3	6.4	6.4	6.3	6.0	5.6
70°	5.9	6.2	5.7	5.9	6.4	6.6	6.8	6.8	6.6	6.3	6.1
67.5°	5.9	6.4	5.8	6.2	6.7	6.9	7.2	7.2	7.0	6.8	6.7
65°	5.9	6.5	6.0	6.5	7.0	7.3	7.7	7.6	7.8	7.4	7.5
62.5°	5.9	6.6	6.2	6.7	7.2	7.9	8.3	8.4	8.7	8.2	8.9
60°	5.9	6.8	6.4	7.0	7.5	8.5	8.9	9.6	9.7	10.4	10.6
57.5°	5.9	6.9	6.8	7.3	8.2	9.2	10.1	10.8	12.1	12.9	14.3
55°	5.9	7.0	7.2	7.5	8.9	9.9	11.5	12.2	15.0	16.3	19.2
52.5°	5.9	7.2	7.6	7.8	9.7	10.7	12.9	15.1	18.1	22.0	24.5
50°	5.9	7.3	8.0	8.1	10.5	12.2	14.4	18.3	22.2	28.1	31.8
47.5°	5.9	7.5	8.5	8.5	11.4	13.8	16.2	21.7	28.2	34.6	40.0
45°	5.9	7.6	8.9	9.2	12.2	15.4	19.2	25.1	34.6	42.6	48.8
42.5°	5.9	7.7	9.4	9.8	13.1	17.1	22.3	30.0	41.2	51.1	62.9
40°	5.9	7.9	10.0	10.8	14.3	18.8	25.5	36.0	48.5	60.0	79.2
37.5°	5.9	8.0	10.5	12.0	15.7	20.7	28.8	42.0	56.9	71.5	97.0
35°	5.9	8.2	11.0	13.1	17.1	23.1	32.2	48.2	65.7	87.9	118.4
32.5°	5.9	8.3	11.6	14.3	18.5	25.8	36.1	54.4	74.9	104.7	142.9
30°	5.9	8.5	12.2	15.5	19.9	28.4	41.1	60.8	84.3	121.8	166.3
27.5°	5.9	8.6	12.8	16.7	21.8	31.0	46.0	67.7	94.6	139.2	188.4
25°	5.9	8.7	13.4	17.9	23.7	33.5	50.7	74.3	106.5	157.3	209.5
22.5°	5.9	8.9	14.0	19.1	25.6	36.2	55.3	80.6	117.6	171.3	231.0
20°	5.9	9.0	14.6	20.3	27.5	39.1	59.7	86.5	128.0	184.4	248.4
17.5°	5.9	9.1	15.2	21.5	29.3	42.1	64.2	92.1	137.5	196.6	264.7
15°	5.9	9.3	15.8	22.6	31.0	44.9	68.7	97.6	146.2	207.8	280.0
12.5°	5.9	9.4	16.4	23.8	32.7	47.6	72.9	103.3	154.9	217.9	294.2
10°	5.9	9.5	17.0	24.9	34.3	50.2	76.8	108.6	163.5	230.9	309.8
7.5°	5.9	9.6	17.6	25.9	35.9	52.6	80.5	113.4	171.3	243.7	329.9
5°	5.9	9.7	18.1	27.0	37.4	55.0	83.8	117.9	178.2	255.7	348.7
2.5°	5.9	9.8	18.6	28.0	38.8	57.1	86.8	121.9	184.2	266.5	366.1
0°	5.9	9.9	19.1	28.9	40.1	59.1	89.4	125.5	189.2	275.9	381.7
-2.5°	5.9	10.3	19.8	30.1	42.0	61.5	92.5	129.8	195.8	283.7	389.5
-5°	5.9	10.6	20.5	31.3	43.7	63.7	95.2	133.6	201.4	289.9	395.2
-7.5°	5.9	10.9	21.2	32.4	45.4	65.7	97.5	136.8	205.7	294.4	398.8
-10°	5.9	11.3	21.8	33.4	47.0	67.5	99.4	139.3	208.7	297.2	400.3
-12.5°	5.9	11.6	22.3	34.4	48.4	69.1	100.9	141.3	210.3	298.3	402.1
-15°	5.9	11.9	22.9	35.3	49.7	70.4	102.0	142.5	210.0	297.0	402.0
-17.5°	5.9	12.1	23.4	36.1	50.9	71.6	102.7	143.4	207.9	293.7	398.7
-20°	5.9	12.4	23.8	36.8	51.9	72.5	103.2	143.8	204.6	288.4	391.8



REPORT NUMBER: P1306124 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.9	12.6	24.2	37.4	52.8	73.2	103.7	143.6	200.1	281.1	381.6
-25°	5.9	12.9	24.5	37.9	53.5	74.1	103.7	142.7	194.3	271.6	370.9
-27.5°	5.9	13.1	24.8	38.4	54.1	74.9	103.3	141.3	187.3	263.5	361.8
-30°	5.9	13.3	25.1	38.7	54.5	75.4	102.4	139.2	183.1	256.0	349.9
-32.5°	5.9	13.4	25.3	38.9	55.3	75.6	101.0	137.4	180.6	246.5	334.9
-35°	5.9	13.6	25.4	39.1	55.8	75.6	100.4	135.3	177.2	235.1	316.9
-37.5°	5.9	13.7	25.5	39.1	56.2	75.6	100.1	132.5	172.7	221.6	299.7
-40°	5.9	13.8	25.6	39.0	56.5	75.9	99.5	129.0	167.2	213.0	282.9
-42.5°	5.9	13.9	25.5	39.0	56.7	76.1	98.4	124.8	161.9	205.8	264.1
-45°	5.9	13.9	25.5	39.1	56.8	76.0	97.0	121.3	156.2	197.4	244.9
-47.5°	5.9	13.9	25.4	39.0	56.7	75.7	95.2	119.1	149.7	187.6	233.8
-50°	5.9	13.9	25.2	39.0	56.5	75.2	94.2	116.6	142.2	178.9	221.1
-52.5°	5.9	13.9	25.0	39.0	56.1	74.5	93.2	113.8	137.2	169.1	206.5
-55°	5.9	13.9	24.8	38.8	55.5	73.6	91.9	110.7	133.1	158.3	192.4
-57.5°	5.9	13.8	24.5	38.5	54.8	72.5	90.5	108.9	128.5	151.4	177.4
-60°	5.9	13.7	24.1	38.2	53.9	71.2	88.8	106.7	123.8	145.3	164.0
-62.5°	5.9	13.6	23.7	37.7	53.2	69.6	86.8	104.0	120.5	138.3	155.5
-65°	5.9	13.5	23.3	37.1	52.3	67.9	84.6	101.1	116.9	132.6	146.6
-67.5°	5.9	13.3	22.8	36.5	51.3	66.2	82.1	97.7	112.9	127.2	139.6
-70°	5.9	13.1	22.3	35.7	50.1	64.4	79.4	94.2	108.6	121.6	133.3
-72.5°	5.9	13.0	21.7	34.9	48.9	62.4	76.7	90.4	104.1	115.9	126.7
-75°	5.9	12.7	21.1	34.0	47.5	60.3	73.8	86.5	99.4	110.0	119.9
-77.5°	5.9	12.5	20.4	33.0	46.0	58.0	70.6	82.5	94.5	104.0	113.0
-80°	5.9	12.3	19.6	31.9	44.5	55.9	67.3	78.2	89.3	97.8	106.0
-82.5°	5.9	12.0	18.9	30.7	42.9	53.8	64.7	74.3	84.0	91.5	98.9
-85°	5.9	11.7	18.1	29.5	41.1	51.6	62.1	71.0	79.9	86.2	92.4
-87.5°	5.9	11.4	17.3	28.2	39.3	49.3	59.3	67.6	75.8	81.4	87.0
-90°	5.9	5.3	4.6	4.6	4.6	4.6	4.6	4.3	3.9	3.9	3.9



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 CATALOG NUMBER: EPH-08-320N-57-80-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	85.1	88.7	92.0	95.3	99.3	103.2	107.1	111.0	115.3	119.6	123.9
87.5°	3.9	3.6	3.6	3.6	3.3	3.1	2.8	2.6	2.6	2.6	2.5
85°	4.2	3.9	3.9	3.9	3.7	3.5	3.2	2.9	2.9	3.0	2.8
82.5°	4.5	4.3	4.1	3.9	3.9	3.9	3.6	3.4	3.4	3.3	3.1
80°	4.9	4.6	4.3	4.1	4.1	3.9	3.8	3.8	3.6	3.4	3.4
77.5°	5.0	4.7	4.5	4.5	4.3	4.0	3.9	3.9	3.8	3.8	3.7
75°	5.1	4.7	4.7	4.7	4.4	4.0	3.9	4.1	4.1	4.0	3.9
72.5°	5.3	5.1	5.0	4.8	4.6	4.4	4.4	4.5	4.9	5.2	5.5
70°	5.9	5.6	5.5	5.3	5.1	5.0	5.6	6.7	7.7	8.2	9.3
67.5°	6.5	6.3	6.2	6.0	6.0	6.5	7.2	9.7	11.8	13.3	14.9
65°	7.2	7.1	7.1	7.1	7.2	9.2	11.4	13.8	17.5	19.6	19.7
62.5°	8.0	9.0	8.6	9.1	11.1	13.2	16.5	20.8	25.5	27.4	26.2
60°	11.4	11.9	12.1	13.6	15.4	17.7	22.3	27.5	33.0	36.2	31.4
57.5°	15.6	16.3	17.6	18.4	20.5	21.8	27.3	33.6	37.1	39.2	33.7
55°	21.0	22.0	23.9	24.2	26.0	26.6	31.1	35.4	38.4	39.0	33.1
52.5°	27.8	29.0	31.6	32.0	32.1	32.7	33.3	38.1	40.5	39.8	34.4
50°	35.2	39.2	40.6	42.1	40.2	41.0	38.8	44.4	49.1	47.9	49.5
47.5°	46.0	51.1	53.1	55.8	54.5	59.0	57.3	67.9	71.7	92.9	97.6
45°	59.1	68.1	70.8	77.1	83.5	88.7	105.8	107.2	152.0	170.7	205.9
42.5°	74.8	88.8	100.3	102.6	133.2	149.4	173.1	212.3	251.6	287.6	311.6
40°	98.0	112.6	137.1	165.8	198.2	233.2	264.8	310.3	348.3	376.7	393.6
37.5°	124.5	152.3	185.7	237.4	281.2	316.8	352.9	392.1	427.9	452.9	485.2
35°	153.6	194.1	256.1	309.9	356.9	390.4	425.6	467.3	501.1	541.2	581.2
32.5°	188.9	236.7	314.5	372.6	410.8	450.5	491.1	534.9	583.4	632.8	684.0
30°	223.8	284.7	360.8	421.1	458.1	504.4	553.7	605.0	668.7	730.9	800.1
27.5°	251.2	326.0	398.3	460.7	503.8	558.5	618.7	685.7	761.2	837.4	929.4
25°	275.7	356.6	436.2	502.2	556.9	617.7	688.4	768.8	858.7	965.8	1254.9
22.5°	299.6	386.5	477.9	546.8	608.2	676.8	762.2	856.0	961.8	1104.2	1615.4
20°	324.1	420.3	517.9	583.8	655.0	732.0	831.9	940.8	1071.9	1408.3	2162.4
17.5°	349.4	455.2	551.9	616.3	691.3	785.1	901.3	1024.2	1184.0	1693.0	2847.4
15°	374.0	488.1	579.2	645.0	727.8	836.9	966.8	1117.2	1382.5	2090.4	3533.7
12.5°	397.6	517.7	599.4	669.7	763.8	885.8	1027.4	1196.3	1615.6	2626.7	4282.4
10°	419.7	543.8	617.0	693.3	798.9	931.7	1081.8	1265.9	1819.3	3055.3	4875.1
7.5°	443.7	566.3	633.0	715.7	831.3	973.6	1126.5	1319.5	1971.0	3383.9	5315.3
5°	465.4	584.5	651.5	741.9	863.5	1011.4	1164.9	1364.4	2074.5	3592.2	5620.8
2.5°	484.4	599.1	668.6	766.9	893.7	1044.6	1199.6	1409.3	2166.8	3768.3	6007.5
0°	500.6	610.4	684.0	789.1	919.8	1072.2	1228.0	1445.4	2228.6	3886.9	6455.8
-2.5°	510.5	627.3	709.6	812.4	941.4	1091.8	1253.6	1484.1	2291.1	4143.2	6626.6
-5°	517.6	641.0	732.6	832.8	958.8	1106.2	1272.4	1511.4	2318.0	4213.7	6576.9
-7.5°	521.8	650.9	752.3	850.6	974.4	1122.8	1302.0	1548.1	2330.3	4040.0	6295.0
-10°	524.0	659.3	765.2	865.4	988.9	1138.0	1325.1	1571.7	2280.2	3805.5	5970.7
-12.5°	529.6	666.4	775.4	876.3	998.5	1149.0	1343.1	1589.5	2166.2	3483.3	5525.0
-15°	531.1	670.0	784.0	883.8	1008.5	1165.1	1356.8	1592.5	2001.5	3067.0	4956.0
-17.5°	528.1	670.2	790.0	889.7	1013.6	1171.3	1361.1	1583.8	1878.5	2764.5	4383.5
-20°	520.4	662.3	791.8	890.3	1011.7	1173.8	1363.2	1580.0	1848.5	2455.2	3689.2



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	508.0	649.9	785.5	889.3	1018.3	1174.9	1356.9	1556.6	1783.4	2082.1	2998.1
-25°	494.6	632.4	768.8	892.5	1019.5	1169.4	1330.4	1513.7	1723.1	1956.8	2504.9
-27.5°	480.1	611.9	751.7	888.5	1013.2	1148.9	1298.5	1470.3	1642.7	1831.4	2064.9
-30°	462.6	589.6	728.8	874.1	998.5	1125.3	1263.2	1402.1	1556.7	1726.5	1924.3
-32.5°	441.6	563.4	700.5	844.0	979.1	1097.8	1213.2	1337.9	1475.9	1625.6	1789.2
-35°	418.8	536.8	667.2	807.3	955.4	1064.4	1164.6	1272.5	1394.7	1531.5	1683.4
-37.5°	395.7	506.1	628.1	764.8	908.7	1022.9	1113.2	1213.9	1321.4	1438.6	1579.8
-40°	369.5	470.8	587.5	716.6	844.2	967.6	1066.8	1158.1	1252.6	1359.8	1475.2
-42.5°	341.3	436.4	542.9	660.0	775.8	893.4	1017.7	1107.4	1192.0	1283.0	1384.1
-45°	317.7	398.4	494.7	598.8	703.3	817.2	937.1	1057.0	1134.2	1213.0	1299.2
-47.5°	290.3	359.9	447.9	534.7	631.1	738.5	852.0	963.3	1072.9	1149.6	1222.1
-50°	264.3	327.2	394.5	474.3	560.2	659.4	763.5	865.1	967.9	1071.7	1154.4
-52.5°	246.4	292.3	350.7	413.7	493.2	580.8	672.0	762.6	859.1	958.2	1053.5
-55°	227.0	266.3	307.9	361.5	426.9	505.0	580.8	662.0	745.0	836.3	929.2
-57.5°	208.6	241.2	273.8	314.5	369.5	429.2	495.7	562.4	637.5	714.1	793.6
-60°	190.3	217.0	244.8	277.3	315.1	365.5	413.6	471.7	534.1	597.0	667.8
-62.5°	172.8	194.6	217.7	245.2	276.8	306.5	346.3	391.3	436.4	492.1	549.4
-65°	162.5	174.6	192.8	216.6	241.3	267.6	293.4	321.0	360.2	401.7	442.4
-67.5°	151.6	162.8	174.1	188.8	210.5	230.9	251.7	275.9	300.9	327.9	357.5
-70°	143.4	151.2	161.3	172.9	184.1	196.5	215.0	234.3	253.5	274.5	297.7
-72.5°	135.7	143.0	150.5	158.6	168.5	178.0	187.7	198.1	213.3	231.7	248.9
-75°	127.9	134.6	141.5	148.6	156.0	163.2	170.8	180.2	190.7	202.0	212.5
-77.5°	120.0	126.2	132.5	138.6	145.3	152.3	158.9	165.6	173.8	182.5	190.8
-80°	112.1	117.7	123.5	129.2	135.1	141.1	147.0	152.6	159.7	167.2	174.5
-82.5°	104.5	109.7	114.7	119.7	124.8	129.9	135.1	140.4	146.8	153.4	159.7
-85°	97.1	101.7	105.9	110.2	114.9	119.5	124.0	128.4	134.3	140.3	145.7
-87.5°	91.1	95.2	98.8	102.4	106.6	110.7	114.6	118.4	123.5	128.6	133.2
-90°	3.6	3.3	3.3	3.3	3.0	2.6	2.6	2.6	2.6	2.6	2.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	128.1	131.1	134.0	136.0	138.0	141.0	143.9	148.2	152.4	156.1	159.7
87.5°	2.5	2.3	2.0	2.0	1.9	1.9	2.0	1.6	1.3	1.3	1.3
85°	2.6	2.5	2.4	2.5	2.5	2.3	2.0	2.0	2.0	2.0	2.0
82.5°	2.9	2.8	2.6	2.6	2.6	2.5	2.5	2.3	2.0	2.0	2.0
80°	3.3	3.1	3.0	2.8	2.6	2.6	2.6	2.3	2.0	2.0	2.0
77.5°	3.4	3.4	3.3	3.0	2.7	2.6	2.6	2.3	2.0	2.0	2.0
75°	3.8	3.8	3.8	3.7	3.6	3.7	3.9	3.8	3.6	3.4	3.2
72.5°	5.9	6.0	5.8	6.2	6.5	6.8	6.9	7.1	7.4	7.9	8.5
70°	10.5	11.3	11.3	11.3	11.3	10.9	10.5	10.4	10.5	10.7	10.9
67.5°	15.8	16.5	16.7	16.8	15.4	14.4	14.0	14.1	14.7	15.9	17.6
65°	20.2	18.9	17.8	16.6	16.8	16.7	16.0	15.6	16.1	16.8	17.6
62.5°	24.0	19.0	15.9	14.3	14.6	15.1	13.6	12.5	12.2	12.0	12.1
60°	25.7	17.9	12.6	10.7	9.6	9.0	8.0	6.9	6.5	6.4	6.6
57.5°	26.0	17.1	10.1	7.9	6.1	4.7	3.9	3.4	3.4	3.3	3.2
55°	25.2	17.3	9.8	8.9	8.2	7.5	6.5	6.3	6.0	5.9	6.3
52.5°	26.1	24.2	19.8	19.2	23.4	23.6	20.3	24.9	28.1	30.6	31.7
50°	51.5	49.5	62.6	62.5	75.8	87.1	83.8	90.4	101.8	111.8	117.9
47.5°	120.5	129.9	149.5	167.0	186.9	212.0	223.1	230.9	240.9	254.3	263.3
45°	224.4	247.9	273.3	301.7	334.9	364.3	381.3	397.8	408.7	420.6	434.7
42.5°	333.2	361.2	398.9	432.9	468.8	503.0	530.0	553.9	600.3	666.5	719.2
40°	426.3	458.1	501.9	547.2	589.6	632.9	752.2	853.9	980.6	1169.7	1337.4
37.5°	518.8	555.6	604.4	660.0	787.7	916.9	1177.4	1458.9	1702.8	1976.2	2252.4
35°	619.6	667.9	733.2	920.1	1156.4	1500.8	1874.5	2292.5	2647.4	3029.2	3588.6
32.5°	738.6	823.1	1034.2	1373.9	1797.6	2286.8	2750.3	3275.8	3719.0	4420.6	5275.0
30°	892.0	1156.9	1562.3	2031.3	2603.0	3222.2	3803.4	4654.5	5648.9	6529.2	7256.1
27.5°	1262.0	1773.8	2339.8	2934.1	3649.9	4400.4	5618.9	6720.5	7790.4	8740.8	9845.1
25°	1814.4	2635.5	3602.9	4399.6	5372.3	6728.5	8106.4	9319.6	10945.6	12375.8	13980.2
22.5°	2595.9	3765.0	5011.0	6174.3	7668.1	9366.7	11220.4	13455.9	15714.8	18223.9	20456.1
20°	3358.6	4837.8	6415.7	8090.5	10003.5	12127.2	15157.4	18785.3	22266.2	26219.3	29552.6
17.5°	4374.4	6162.5	8028.6	10157.4	12616.9	15884.3	20357.0	25317.6	30700.2	36603.2	42062.0
15°	5407.3	7333.6	9502.0	12226.6	15705.5	20146.1	25852.1	32605.2	40476.8	49154.5	59704.3
12.5°	6253.8	8360.2	10895.8	14329.3	18879.3	24817.9	31731.3	39860.4	50652.2	63740.4	75997.3
10°	6977.0	9502.7	12706.8	16770.4	22122.3	28826.4	36680.0	46744.4	61281.5	76443.7	98994.5
7.5°	7722.0	10710.0	14103.2	18509.1	24594.3	32204.1	41875.0	55017.6	71012.2	86563.7	98898.6
5°	8424.6	11533.2	14984.3	19691.6	26272.2	34445.1	45417.8	61425.6	78831.2	94062.8	105651.5
2.5°	8975.0	11947.3	15448.4	20572.3	27179.3	35663.0	47638.7	65388.2	83646.7	98658.2	110541.3
0°	9260.6	12171.8	15705.9	21123.0	27931.6	36780.9	48912.0	67136.8	85605.4	100224.0	112336.0
-2.5°	9197.4	12063.4	15546.5	20697.9	27759.6	36983.1	49970.6	68048.1	85942.8	100758.1	112173.0
-5°	9064.5	11892.6	15327.6	20175.6	27143.9	36474.7	48821.1	65441.0	82723.3	97920.3	109017.4
-7.5°	8816.9	11606.8	14891.2	19411.7	26123.6	34959.4	46100.9	60542.9	77122.4	92348.7	103091.6
-10°	8452.5	11165.2	14264.8	18376.1	24404.0	32519.5	41991.6	53269.9	68779.3	83015.1	94951.9
-12.5°	7934.6	10540.4	13395.8	16928.8	22327.0	29479.0	37644.9	47015.7	58100.5	71829.8	83018.8
-15°	7275.6	9726.2	12379.6	15713.0	20226.7	26086.8	32971.8	40241.3	48737.4	58214.6	69120.7
-17.5°	6466.8	8768.8	11239.7	14113.4	17763.9	22680.5	28126.8	33799.1	39931.7	46906.0	53313.5
-20°	5502.4	7608.0	9936.5	12609.5	15737.5	19288.8	23247.8	27833.5	32587.1	37564.7	41968.9



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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°	4523.0	6443.9	8662.8	11000.1	13718.7	16429.5	19088.6	22498.2	26169.1	29772.8	33050.9
-25°	3539.0	5234.8	7297.8	9490.0	11672.1	13886.3	16045.4	18162.6	20804.2	23123.7	25529.8
-27.5°	2811.0	4079.5	5811.8	7724.9	9626.4	11474.0	13340.7	15109.1	16775.0	18175.9	19798.0
-30°	2210.7	3067.0	4405.2	5910.6	7574.4	9202.3	10810.8	12304.7	13616.6	14770.0	15896.4
-32.5°	1998.8	2348.4	3143.6	4287.6	5600.2	7028.4	8372.9	9656.1	10737.6	11809.5	12818.8
-35°	1848.9	2041.4	2301.4	3016.1	3870.8	5007.4	6061.4	7126.3	8034.6	9105.1	9932.8
-37.5°	1726.1	1874.4	2038.8	2207.3	2727.1	3296.2	4055.0	4853.3	5555.0	6453.0	7183.8
-40°	1607.2	1738.5	1867.0	1995.2	2133.4	2260.4	2712.0	3123.7	3599.7	4214.0	4739.5
-42.5°	1492.3	1607.9	1719.2	1823.3	1919.9	2003.3	2094.2	2181.3	2438.3	2751.4	2991.9
-45°	1389.1	1487.4	1580.6	1668.7	1742.2	1808.9	1879.0	1951.9	2047.4	2134.3	2206.1
-47.5°	1301.4	1379.2	1455.5	1527.2	1583.7	1640.7	1696.5	1759.4	1833.7	1906.7	1967.7
-50°	1222.1	1289.4	1347.3	1398.1	1445.1	1493.3	1537.7	1593.6	1653.4	1713.7	1764.2
-52.5°	1146.1	1205.9	1254.3	1293.0	1328.8	1368.1	1406.3	1450.9	1499.5	1550.2	1590.3
-55°	1018.4	1094.4	1164.7	1201.1	1229.1	1261.5	1293.9	1330.0	1371.0	1413.7	1445.4
-57.5°	877.3	952.3	1018.6	1065.7	1112.2	1159.7	1195.4	1223.7	1260.8	1297.1	1324.6
-60°	735.6	798.5	856.9	904.6	953.2	1000.7	1040.8	1077.6	1123.6	1165.3	1199.3
-62.5°	603.6	658.6	703.8	742.4	783.7	825.1	863.2	899.6	941.3	978.8	1010.6
-65°	483.7	529.8	563.2	593.5	626.4	660.7	691.0	721.1	754.6	784.6	810.7
-67.5°	391.1	421.7	442.5	461.8	487.9	514.6	538.3	562.3	587.9	610.6	630.4
-70°	320.2	339.3	352.1	366.9	385.5	402.5	418.1	435.6	454.5	471.9	487.7
-72.5°	265.4	278.5	288.1	299.9	311.7	322.6	332.4	345.0	358.7	372.2	385.0
-75°	222.3	230.8	240.0	248.5	256.6	264.5	271.8	281.9	292.5	302.5	312.2
-77.5°	199.5	205.8	211.0	215.7	220.1	225.2	230.3	238.8	248.0	255.8	263.2
-80°	181.8	186.7	191.0	194.6	197.9	202.1	206.3	213.3	220.5	227.1	233.5
-82.5°	165.9	170.1	174.1	177.4	180.5	184.1	187.7	193.8	200.1	205.7	211.1
-85°	151.1	154.7	158.2	161.2	164.1	167.4	170.7	176.0	181.3	186.3	191.2
-87.5°	137.7	141.0	144.3	146.5	148.7	151.8	155.0	159.7	164.4	168.9	173.3
-90°	2.0	2.0	2.0	1.7	1.3	1.3	1.3	1.3	1.3	1.0	0.7



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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°	161.7	163.6	164.0	164.3	164.0	163.6	161.7	159.7	156.1	152.4	148.2
87.5°	1.0	0.7	1.0	1.3	1.0	0.7	1.0	1.3	1.3	1.3	1.6
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3
77.5°	1.7	1.3	1.6	2.0	1.6	1.3	1.7	2.0	2.0	2.0	2.3
75°	2.9	2.6	2.3	2.0	2.3	2.6	2.9	3.2	3.4	3.6	3.8
72.5°	8.8	9.0	9.5	9.9	9.5	9.0	8.8	8.5	7.9	7.4	7.1
70°	10.6	10.0	9.9	9.9	9.9	10.0	10.6	10.9	10.7	10.5	10.4
67.5°	18.9	19.9	20.3	20.4	20.3	19.9	18.9	17.6	15.9	14.7	14.1
65°	18.3	19.0	19.1	19.1	19.1	19.0	18.3	17.6	16.8	16.1	15.6
62.5°	12.3	12.6	12.8	13.1	12.8	12.6	12.3	12.1	12.0	12.2	12.5
60°	6.9	7.3	7.6	7.9	7.6	7.3	6.9	6.6	6.4	6.5	6.9
57.5°	3.2	3.4	3.6	3.9	3.6	3.4	3.2	3.2	3.3	3.4	3.4
55°	6.6	7.0	7.1	7.2	7.1	7.0	6.6	6.3	5.9	6.0	6.3
52.5°	31.1	29.7	28.5	27.6	28.5	29.7	31.1	31.7	30.6	28.1	24.9
50°	120.4	117.5	114.2	111.0	114.2	117.5	120.4	117.9	111.8	101.8	90.4
47.5°	268.6	266.2	261.3	254.9	261.3	266.2	268.6	263.3	254.3	240.9	230.9
45°	454.0	467.1	473.0	469.8	473.0	467.1	454.0	434.7	420.6	408.7	397.8
42.5°	737.1	748.8	749.8	732.6	749.8	748.8	737.1	719.2	666.5	600.3	553.9
40°	1458.7	1559.8	1594.4	1490.1	1594.4	1559.8	1458.7	1337.4	1169.7	980.6	853.9
37.5°	2585.3	2982.4	3313.7	3326.5	3313.7	2982.4	2585.3	2252.4	1976.2	1702.8	1458.9
35°	4189.9	4598.5	4796.1	4787.7	4796.1	4598.5	4189.9	3588.6	3029.2	2647.4	2292.5
32.5°	5889.0	6198.5	6396.4	6348.7	6396.4	6198.5	5889.0	5275.0	4420.6	3719.0	3275.8
30°	7775.3	8062.4	8293.0	8289.5	8293.0	8062.4	7775.3	7256.1	6529.2	5648.9	4654.5
27.5°	10743.9	11335.7	11806.1	11726.4	11806.1	11335.7	10743.9	9845.1	8740.8	7790.4	6720.5
25°	15333.4	16415.9	17181.3	17023.9	17181.3	16415.9	15333.4	13980.2	12375.8	10945.6	9319.6
22.5°	22113.4	23502.1	24082.7	23622.2	24082.7	23502.1	22113.4	20456.1	18223.9	15714.8	13455.9
20°	32728.2	35302.9	36903.6	35949.1	36903.6	35302.9	32728.2	29552.6	26219.3	22266.2	18785.3
17.5°	49127.1	54712.7	59126.0	59004.3	59126.0	54712.7	49127.1	42062.0	36603.2	30700.2	25317.6
15°	68889.3	75246.8	80142.0	80708.1	80142.0	75246.8	68889.3	59704.3	49154.5	40476.8	32605.2
12.5°	86584.3	93049.9	97840.4	99218.8	97840.4	93049.9	86584.3	75997.3	63740.4	50652.2	39860.4
10°	99195.5	105647.7	110284.4	111919.5	110284.4	105647.7	99195.5	89894.5	76443.7	61281.5	46744.4
7.5°	108446.9	115447.0	118922.7	120699.1	118922.7	115447.0	108446.9	98898.6	86563.7	71012.2	55017.6
5°	115103.9	121609.6	124972.0	127124.7	124972.0	121609.6	115103.9	105651.5	94062.8	78831.2	61425.6
2.5°	119300.3	125442.3	129480.2	131411.1	129480.2	125442.3	119300.3	110541.3	98658.2	83646.7	65388.2
0°	120654.8	126551.1	131077.0	132807.9	131077.0	126551.1	120654.8	112336.0	100224.0	85605.4	67136.8
-2.5°	120024.8	125800.8	129410.5	130110.1	129410.5	125800.8	120024.8	112173.0	100758.1	85942.8	68048.1
-5°	116746.2	122069.8	125402.9	125950.6	125402.9	122069.8	116746.2	109017.4	97920.3	82723.3	65441.0
-7.5°	111094.1	116404.5	119159.6	119970.8	119159.6	116404.5	111094.1	103091.6	92348.7	77122.4	60542.9
-10°	102899.1	108029.5	110974.0	111672.4	110974.0	108029.5	102899.1	94951.9	83015.1	68779.3	53269.9
-12.5°	91716.7	97189.9	100485.4	101211.5	100485.4	97189.9	91716.7	83018.8	71829.8	58100.5	47015.7
-15°	77216.5	82846.4	87053.4	88071.2	87053.4	82846.4	77216.5	69120.7	58214.6	48737.4	40241.3
-17.5°	60502.1	66135.9	69916.4	70638.0	69916.4	66135.9	60502.1	53313.5	46906.0	39931.7	33799.1
-20°	46106.6	49729.9	51863.6	52235.1	51863.6	49729.9	46106.6	41968.9	37564.7	32587.1	27833.5



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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°	35729.8	38165.1	39464.1	39647.4	39464.1	38165.1	35729.8	33050.9	29772.8	26169.1	22498.2
-25°	27687.2	29456.6	30424.2	30585.2	30424.2	29456.6	27687.2	25529.8	23123.7	20804.2	18162.6
-27.5°	21259.0	22358.2	23258.5	23071.0	23258.5	22358.2	21259.0	19798.0	18175.9	16775.0	15109.1
-30°	16821.9	17526.9	18058.7	17919.4	18058.7	17526.9	16821.9	15896.4	14770.0	13616.6	12304.7
-32.5°	13615.1	14167.4	14541.3	14640.9	14541.3	14167.4	13615.1	12818.8	11809.5	10737.6	9656.1
-35°	10582.3	11033.6	11292.6	11393.3	11292.6	11033.6	10582.3	9932.8	9105.1	8034.6	7126.3
-37.5°	7726.2	8122.1	8369.2	8455.1	8369.2	8122.1	7726.2	7183.8	6453.0	5555.0	4853.3
-40°	5142.0	5447.0	5649.5	5727.8	5649.5	5447.0	5142.0	4739.5	4214.0	3599.7	3123.7
-42.5°	3179.2	3322.0	3412.4	3440.8	3412.4	3322.0	3179.2	2991.9	2751.4	2438.3	2181.3
-45°	2261.5	2300.9	2323.5	2327.8	2323.5	2300.9	2261.5	2206.1	2134.3	2047.4	1951.9
-47.5°	2015.3	2046.4	2062.3	2063.0	2062.3	2046.4	2015.3	1967.7	1906.7	1833.7	1759.4
-50°	1805.9	1834.7	1849.2	1850.1	1849.2	1834.7	1805.9	1764.2	1713.7	1653.4	1593.6
-52.5°	1623.2	1646.1	1656.8	1657.0	1656.8	1646.1	1623.2	1590.3	1550.2	1499.5	1450.9
-55°	1471.5	1489.4	1496.0	1494.7	1496.0	1489.4	1471.5	1445.4	1413.7	1371.0	1330.0
-57.5°	1347.4	1364.9	1370.5	1368.6	1370.5	1364.9	1347.4	1324.6	1297.1	1260.8	1223.7
-60°	1225.8	1244.5	1251.5	1251.0	1251.5	1244.5	1225.8	1199.3	1165.3	1123.6	1077.6
-62.5°	1033.4	1047.7	1055.4	1057.8	1055.4	1047.7	1033.4	1010.6	978.8	941.3	899.6
-65°	828.6	840.1	846.3	848.2	846.3	840.1	828.6	810.7	784.6	754.6	721.1
-67.5°	643.2	651.4	655.4	656.4	655.4	651.4	643.2	630.4	610.6	587.9	562.3
-70°	497.4	504.2	507.3	508.5	507.3	504.2	497.4	487.7	471.9	454.5	435.6
-72.5°	392.3	397.7	399.9	400.8	399.9	397.7	392.3	385.0	372.2	358.7	345.0
-75°	316.8	320.0	321.3	321.9	321.3	320.0	316.8	312.2	302.5	292.5	281.9
-77.5°	267.1	270.6	271.8	272.7	271.8	270.6	267.1	263.2	255.8	248.0	238.8
-80°	236.3	238.8	239.8	240.5	239.8	238.8	236.3	233.5	227.1	220.5	213.3
-82.5°	214.5	217.8	218.0	218.1	218.0	217.8	214.5	211.1	205.7	200.1	193.8
-85°	193.8	196.2	196.7	197.1	196.7	196.2	193.8	191.2	186.3	181.3	176.0
-87.5°	175.7	178.0	178.1	178.1	178.1	178.0	175.7	173.3	168.9	164.4	159.7
-90°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	143.9	141.0	138.0	136.0	134.0	131.1	128.1	123.9	119.6	115.3	111.0
87.5°	2.0	1.9	1.9	2.0	2.0	2.3	2.5	2.5	2.6	2.6	2.6
85°	2.0	2.3	2.5	2.5	2.4	2.5	2.6	2.8	3.0	2.9	2.9
82.5°	2.5	2.5	2.6	2.6	2.6	2.8	2.9	3.1	3.3	3.4	3.4
80°	2.6	2.6	2.6	2.8	3.0	3.1	3.3	3.4	3.4	3.6	3.8
77.5°	2.6	2.6	2.7	3.0	3.3	3.4	3.4	3.7	3.8	3.8	3.9
75°	3.9	3.7	3.6	3.7	3.8	3.8	3.8	3.9	4.0	4.1	4.1
72.5°	6.9	6.8	6.5	6.2	5.8	6.0	5.9	5.5	5.2	4.9	4.5
70°	10.5	10.9	11.3	11.3	11.3	11.3	10.5	9.3	8.2	7.7	6.7
67.5°	14.0	14.4	15.4	16.8	16.7	16.5	15.8	14.9	13.3	11.8	9.7
65°	16.0	16.7	16.8	16.6	17.8	18.9	20.2	19.7	19.6	17.5	13.8
62.5°	13.6	15.1	14.6	14.3	15.9	19.0	24.0	26.2	27.4	25.5	20.8
60°	8.0	9.0	9.6	10.7	12.6	17.9	25.7	31.4	36.2	33.0	27.5
57.5°	3.9	4.7	6.1	7.9	10.1	17.1	26.0	33.7	39.2	37.1	33.6
55°	6.5	7.5	8.2	8.9	9.8	17.3	25.2	33.1	39.0	38.4	35.4
52.5°	20.3	23.6	23.4	19.2	19.8	24.2	26.1	34.4	39.8	40.5	38.1
50°	83.8	87.1	75.8	62.5	62.6	49.5	51.5	49.5	47.9	49.1	44.4
47.5°	223.1	212.0	186.9	167.0	149.5	129.9	120.5	97.6	92.9	71.7	67.9
45°	381.3	364.3	334.9	301.7	273.3	247.9	224.4	205.9	170.7	152.0	107.2
42.5°	530.0	503.0	468.8	432.9	398.9	361.2	333.2	311.6	287.6	251.6	212.3
40°	752.2	632.9	589.6	547.2	501.9	458.1	426.3	393.6	376.7	348.3	310.3
37.5°	1177.4	916.9	787.7	660.0	604.4	555.6	518.8	485.2	452.9	427.9	392.1
35°	1874.5	1500.8	1156.4	920.1	733.2	667.9	619.6	581.2	541.2	501.1	467.3
32.5°	2750.3	2286.8	1797.6	1373.9	1034.2	823.1	738.6	684.0	632.8	583.4	534.9
30°	3803.4	3222.2	2603.0	2031.3	1562.3	1156.9	892.0	800.1	730.9	668.7	605.0
27.5°	5618.9	4400.4	3649.9	2934.1	2339.8	1773.8	1262.0	929.4	837.4	761.2	685.7
25°	8106.4	6728.5	5372.3	4399.6	3602.9	2635.5	1814.4	1254.9	965.8	858.7	768.8
22.5°	11220.4	9366.7	7668.1	6174.3	5011.0	3765.0	2595.9	1615.4	1104.2	961.8	856.0
20°	15157.4	12127.2	10003.5	8090.5	6415.7	4837.8	3358.6	2162.4	1408.3	1071.9	940.8
17.5°	20357.0	15884.3	12616.9	10157.4	8028.6	6162.5	4374.4	2847.4	1693.0	1184.0	1024.2
15°	25852.1	20146.1	15705.5	12226.6	9502.0	7333.6	5407.3	3533.7	2090.4	1382.5	1117.2
12.5°	31731.3	24817.9	18879.3	14329.3	10895.8	8360.2	6253.8	4282.4	2626.7	1615.6	1196.3
10°	36680.0	28826.4	22122.3	16770.4	12706.8	9502.7	6977.0	4875.1	3055.3	1819.3	1265.9
7.5°	41875.0	32204.1	24594.3	18509.1	14103.2	10710.0	7722.0	5315.3	3383.9	1971.0	1319.5
5°	45417.8	34445.1	26272.2	19691.6	14984.3	11533.2	8424.6	5620.8	3592.2	2074.5	1364.4
2.5°	47638.7	35663.0	27179.3	20572.3	15448.4	11947.3	8975.0	6007.5	3768.3	2166.8	1409.3
0°	48912.0	36780.9	27931.6	21123.0	15705.9	12171.8	9260.6	6455.8	3886.9	2228.6	1445.4
-2.5°	49970.6	36983.1	27759.6	20697.9	15546.5	12063.4	9197.4	6626.6	4143.2	2291.1	1484.1
-5°	48821.1	36474.7	27143.9	20175.6	15327.6	11892.6	9064.5	6576.9	4213.7	2318.0	1511.4
-7.5°	46100.9	34959.4	26123.6	19411.7	14891.2	11606.8	8816.9	6295.0	4040.0	2330.3	1548.1
-10°	41991.6	32519.5	24404.0	18376.1	14264.8	11165.2	8452.5	5970.7	3805.5	2280.2	1571.7
-12.5°	37644.9	29479.0	22327.0	16928.8	13395.8	10540.4	7934.6	5525.0	3483.3	2166.2	1589.5
-15°	32971.8	26086.8	20226.7	15713.0	12379.6	9726.2	7275.6	4956.0	3067.0	2001.5	1592.5
-17.5°	28126.8	22680.5	17763.9	14113.4	11239.7	8768.8	6466.8	4383.5	2764.5	1878.5	1583.8
-20°	23247.8	19288.8	15737.5	12609.5	9936.5	7608.0	5502.4	3689.2	2455.2	1848.5	1580.0



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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°	19088.6	16429.5	13718.7	11000.1	8662.8	6443.9	4523.0	2998.1	2082.1	1783.4	1556.6
-25°	16045.4	13886.3	11672.1	9490.0	7297.8	5234.8	3539.0	2504.9	1956.8	1723.1	1513.7
-27.5°	13340.7	11474.0	9626.4	7724.9	5811.8	4079.5	2811.0	2064.9	1831.4	1642.7	1470.3
-30°	10810.8	9202.3	7574.4	5910.6	4405.2	3067.0	2210.7	1924.3	1726.5	1556.7	1402.1
-32.5°	8372.9	7028.4	5600.2	4287.6	3143.6	2348.4	1998.8	1789.2	1625.6	1475.9	1337.9
-35°	6061.4	5007.4	3870.8	3016.1	2301.4	2041.4	1848.9	1683.4	1531.5	1394.7	1272.5
-37.5°	4055.0	3296.2	2727.1	2207.3	2038.8	1874.4	1726.1	1579.8	1438.6	1321.4	1213.9
-40°	2712.0	2260.4	2133.4	1995.2	1867.0	1738.5	1607.2	1475.2	1359.8	1252.6	1158.1
-42.5°	2094.2	2003.3	1919.9	1823.3	1719.2	1607.9	1492.3	1384.1	1283.0	1192.0	1107.4
-45°	1879.0	1808.9	1742.2	1668.7	1580.6	1487.4	1389.1	1299.2	1213.0	1134.2	1057.0
-47.5°	1696.5	1640.7	1583.7	1527.2	1455.5	1379.2	1301.4	1222.1	1149.6	1072.9	963.3
-50°	1537.7	1493.3	1445.1	1398.1	1347.3	1289.4	1222.1	1154.4	1071.7	967.9	865.1
-52.5°	1406.3	1368.1	1328.8	1293.0	1254.3	1205.9	1146.1	1053.5	958.2	859.1	762.6
-55°	1293.9	1261.5	1229.1	1201.1	1164.7	1094.4	1018.4	929.2	836.3	745.0	662.0
-57.5°	1195.4	1159.7	1112.2	1065.7	1018.6	952.3	877.3	793.6	714.1	637.5	562.4
-60°	1040.8	1000.7	953.2	904.6	856.9	798.5	735.6	667.8	597.0	534.1	471.7
-62.5°	863.2	825.1	783.7	742.4	703.8	658.6	603.6	549.4	492.1	436.4	391.3
-65°	691.0	660.7	626.4	593.5	563.2	529.8	483.7	442.4	401.7	360.2	321.0
-67.5°	538.3	514.6	487.9	461.8	442.5	421.7	391.1	357.5	327.9	300.9	275.9
-70°	418.1	402.5	385.5	366.9	352.1	339.3	320.2	297.7	274.5	253.5	234.3
-72.5°	332.4	322.6	311.7	299.9	288.1	278.5	265.4	248.9	231.7	213.3	198.1
-75°	271.8	264.5	256.6	248.5	240.0	230.8	222.3	212.5	202.0	190.7	180.2
-77.5°	230.3	225.2	220.1	215.7	211.0	205.8	199.5	190.8	182.5	173.8	165.6
-80°	206.3	202.1	197.9	194.6	191.0	186.7	181.8	174.5	167.2	159.7	152.6
-82.5°	187.7	184.1	180.5	177.4	174.1	170.1	165.9	159.7	153.4	146.8	140.4
-85°	170.7	167.4	164.1	161.2	158.2	154.7	151.1	145.7	140.3	134.3	128.4
-87.5°	155.0	151.8	148.7	146.5	144.3	141.0	137.7	133.2	128.6	123.5	118.4
-90°	1.3	1.3	1.3	1.7	2.0	2.0	2.0	2.3	2.6	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	107.1	103.2	99.3	95.3	92.0	88.7	85.1	81.5	76.6	71.6	64.1
87.5°	2.8	3.1	3.3	3.6	3.6	3.6	3.9	4.2	4.2	4.1	4.5
85°	3.2	3.5	3.7	3.9	3.9	3.9	4.2	4.5	4.4	4.4	4.7
82.5°	3.6	3.9	3.9	3.9	4.1	4.3	4.5	4.8	4.7	4.7	4.9
80°	3.8	3.9	4.1	4.1	4.3	4.6	4.9	5.1	5.1	5.1	5.2
77.5°	3.9	4.0	4.3	4.5	4.5	4.7	5.0	5.4	5.6	5.6	5.6
75°	3.9	4.0	4.4	4.7	4.7	4.7	5.1	5.4	5.8	6.0	6.0
72.5°	4.4	4.4	4.6	4.8	5.0	5.1	5.3	5.6	6.0	6.3	6.4
70°	5.6	5.0	5.1	5.3	5.5	5.6	5.9	6.1	6.3	6.6	6.8
67.5°	7.2	6.5	6.0	6.0	6.2	6.3	6.5	6.7	6.8	7.0	7.2
65°	11.4	9.2	7.2	7.1	7.1	7.1	7.2	7.5	7.4	7.8	7.6
62.5°	16.5	13.2	11.1	9.1	8.6	9.0	8.0	8.9	8.2	8.7	8.4
60°	22.3	17.7	15.4	13.6	12.1	11.9	11.4	10.6	10.4	9.7	9.6
57.5°	27.3	21.8	20.5	18.4	17.6	16.3	15.6	14.3	12.9	12.1	10.8
55°	31.1	26.6	26.0	24.2	23.9	22.0	21.0	19.2	16.3	15.0	12.2
52.5°	33.3	32.7	32.1	32.0	31.6	29.0	27.8	24.5	22.0	18.1	15.1
50°	38.8	41.0	40.2	42.1	40.6	39.2	35.2	31.8	28.1	22.2	18.3
47.5°	57.3	59.0	54.5	55.8	53.1	51.1	46.0	40.0	34.6	28.2	21.7
45°	105.8	88.7	83.5	77.1	70.8	68.1	59.1	48.8	42.6	34.6	25.1
42.5°	173.1	149.4	133.2	102.6	100.3	88.8	74.8	62.9	51.1	41.2	30.0
40°	264.8	233.2	198.2	165.8	137.1	112.6	98.0	79.2	60.0	48.5	36.0
37.5°	352.9	316.8	281.2	237.4	185.7	152.3	124.5	97.0	71.5	56.9	42.0
35°	425.6	390.4	356.9	309.9	256.1	194.1	153.6	118.4	87.9	65.7	48.2
32.5°	491.1	450.5	410.8	372.6	314.5	236.7	188.9	142.9	104.7	74.9	54.4
30°	553.7	504.4	458.1	421.1	360.8	284.7	223.8	166.3	121.8	84.3	60.8
27.5°	618.7	558.5	503.8	460.7	398.3	326.0	251.2	188.4	139.2	94.6	67.7
25°	688.4	617.7	556.9	502.2	436.2	356.6	275.7	209.5	157.3	106.5	74.3
22.5°	762.2	676.8	608.2	546.8	477.9	386.5	299.6	231.0	171.3	117.6	80.6
20°	831.9	732.0	655.0	583.8	517.9	420.3	324.1	248.4	184.4	128.0	86.5
17.5°	901.3	785.1	691.3	616.3	551.9	455.2	349.4	264.7	196.6	137.5	92.1
15°	966.8	836.9	727.8	645.0	579.2	488.1	374.0	280.0	207.8	146.2	97.6
12.5°	1027.4	885.8	763.8	669.7	599.4	517.7	397.6	294.2	217.9	154.9	103.3
10°	1081.8	931.7	798.9	693.3	617.0	543.8	419.7	309.8	230.9	163.5	108.6
7.5°	1126.5	973.6	831.3	715.7	633.0	566.3	443.7	329.9	243.7	171.3	113.4
5°	1164.9	1011.4	863.5	741.9	651.5	584.5	465.4	348.7	255.7	178.2	117.9
2.5°	1199.6	1044.6	893.7	766.9	668.6	599.1	484.4	366.1	266.5	184.2	121.9
0°	1228.0	1072.2	919.8	789.1	684.0	610.4	500.6	381.7	275.9	189.2	125.5
-2.5°	1253.6	1091.8	941.4	812.4	709.6	627.3	510.5	389.5	283.7	195.8	129.8
-5°	1272.4	1106.2	958.8	832.8	732.6	641.0	517.6	395.2	289.9	201.4	133.6
-7.5°	1302.0	1122.8	974.4	850.6	752.3	650.9	521.8	398.8	294.4	205.7	136.8
-10°	1325.1	1138.0	988.9	865.4	765.2	659.3	524.0	400.3	297.2	208.7	139.3
-12.5°	1343.1	1149.0	998.5	876.3	775.4	666.4	529.6	402.1	298.3	210.3	141.3
-15°	1356.8	1165.1	1008.5	883.8	784.0	670.0	531.1	402.0	297.0	210.0	142.5
-17.5°	1361.1	1171.3	1013.6	889.7	790.0	670.2	528.1	398.7	293.7	207.9	143.4
-20°	1363.2	1173.8	1011.7	890.3	791.8	662.3	520.4	391.8	288.4	204.6	143.8



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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°	1356.9	1174.9	1018.3	889.3	785.5	649.9	508.0	381.6	281.1	200.1	143.6
-25°	1330.4	1169.4	1019.5	892.5	768.8	632.4	494.6	370.9	271.6	194.3	142.7
-27.5°	1298.5	1148.9	1013.2	888.5	751.7	611.9	480.1	361.8	263.5	187.3	141.3
-30°	1263.2	1125.3	998.5	874.1	728.8	589.6	462.6	349.9	256.0	183.1	139.2
-32.5°	1213.2	1097.8	979.1	844.0	700.5	563.4	441.6	334.9	246.5	180.6	137.4
-35°	1164.6	1064.4	955.4	807.3	667.2	536.8	418.8	316.9	235.1	177.2	135.3
-37.5°	1113.2	1022.9	908.7	764.8	628.1	506.1	395.7	299.7	221.6	172.7	132.5
-40°	1066.8	967.6	844.2	716.6	587.5	470.8	369.5	282.9	213.0	167.2	129.0
-42.5°	1017.7	893.4	775.8	660.0	542.9	436.4	341.3	264.1	205.8	161.9	124.8
-45°	937.1	817.2	703.3	598.8	494.7	398.4	317.7	244.9	197.4	156.2	121.3
-47.5°	852.0	738.5	631.1	534.7	447.9	359.9	290.3	233.8	187.6	149.7	119.1
-50°	763.5	659.4	560.2	474.3	394.5	327.2	264.3	221.1	178.9	142.2	116.6
-52.5°	672.0	580.8	493.2	413.7	350.7	292.3	246.4	206.5	169.1	137.2	113.8
-55°	580.8	505.0	426.9	361.5	307.9	266.3	227.0	192.4	158.3	133.1	110.7
-57.5°	495.7	429.2	369.5	314.5	273.8	241.2	208.6	177.4	151.4	128.5	108.9
-60°	413.6	365.5	315.1	277.3	244.8	217.0	190.3	164.0	145.3	123.8	106.7
-62.5°	346.3	306.5	276.8	245.2	217.7	194.6	172.8	155.5	138.3	120.5	104.0
-65°	293.4	267.6	241.3	216.6	192.8	174.6	162.5	146.6	132.6	116.9	101.1
-67.5°	251.7	230.9	210.5	188.8	174.1	162.8	151.6	139.6	127.2	112.9	97.7
-70°	215.0	196.5	184.1	172.9	161.3	151.2	143.4	133.3	121.6	108.6	94.2
-72.5°	187.7	178.0	168.5	158.6	150.5	143.0	135.7	126.7	115.9	104.1	90.4
-75°	170.8	163.2	156.0	148.6	141.5	134.6	127.9	119.9	110.0	99.4	86.5
-77.5°	158.9	152.3	145.3	138.6	132.5	126.2	120.0	113.0	104.0	94.5	82.5
-80°	147.0	141.1	135.1	129.2	123.5	117.7	112.1	106.0	97.8	89.3	78.2
-82.5°	135.1	129.9	124.8	119.7	114.7	109.7	104.5	98.9	91.5	84.0	74.3
-85°	124.0	119.5	114.9	110.2	105.9	101.7	97.1	92.4	86.2	79.9	71.0
-87.5°	114.6	110.7	106.6	102.4	98.8	95.2	91.1	87.0	81.4	75.8	67.6
-90°	2.6	2.6	3.0	3.3	3.3	3.3	3.6	3.9	3.9	3.9	4.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	56.5	46.9	37.4	26.9	16.4	11.1	5.9
87.5°	4.8	4.8	4.8	4.8	4.7	5.4	5.9
85°	5.0	5.0	5.1	4.9	4.8	5.5	5.9
82.5°	5.2	5.3	5.3	5.1	5.0	5.6	5.9
80°	5.4	5.5	5.5	5.3	5.1	5.7	5.9
77.5°	5.7	5.7	5.7	5.4	5.2	5.8	5.9
75°	6.1	6.0	5.9	5.6	5.4	6.0	5.9
72.5°	6.4	6.3	6.2	5.8	5.5	6.1	5.9
70°	6.8	6.6	6.4	5.9	5.7	6.2	5.9
67.5°	7.2	6.9	6.7	6.2	5.8	6.4	5.9
65°	7.7	7.3	7.0	6.5	6.0	6.5	5.9
62.5°	8.3	7.9	7.2	6.7	6.2	6.6	5.9
60°	8.9	8.5	7.5	7.0	6.4	6.8	5.9
57.5°	10.1	9.2	8.2	7.3	6.8	6.9	5.9
55°	11.5	9.9	8.9	7.5	7.2	7.0	5.9
52.5°	12.9	10.7	9.7	7.8	7.6	7.2	5.9
50°	14.4	12.2	10.5	8.1	8.0	7.3	5.9
47.5°	16.2	13.8	11.4	8.5	8.5	7.5	5.9
45°	19.2	15.4	12.2	9.2	8.9	7.6	5.9
42.5°	22.3	17.1	13.1	9.8	9.4	7.7	5.9
40°	25.5	18.8	14.3	10.8	10.0	7.9	5.9
37.5°	28.8	20.7	15.7	12.0	10.5	8.0	5.9
35°	32.2	23.1	17.1	13.1	11.0	8.2	5.9
32.5°	36.1	25.8	18.5	14.3	11.6	8.3	5.9
30°	41.1	28.4	19.9	15.5	12.2	8.5	5.9
27.5°	46.0	31.0	21.8	16.7	12.8	8.6	5.9
25°	50.7	33.5	23.7	17.9	13.4	8.7	5.9
22.5°	55.3	36.2	25.6	19.1	14.0	8.9	5.9
20°	59.7	39.1	27.5	20.3	14.6	9.0	5.9
17.5°	64.2	42.1	29.3	21.5	15.2	9.1	5.9
15°	68.7	44.9	31.0	22.6	15.8	9.3	5.9
12.5°	72.9	47.6	32.7	23.8	16.4	9.4	5.9
10°	76.8	50.2	34.3	24.9	17.0	9.5	5.9
7.5°	80.5	52.6	35.9	25.9	17.6	9.6	5.9
5°	83.8	55.0	37.4	27.0	18.1	9.7	5.9
2.5°	86.8	57.1	38.8	28.0	18.6	9.8	5.9
0°	89.4	59.1	40.1	28.9	19.1	9.9	5.9
-2.5°	92.5	61.5	42.0	30.1	19.8	10.3	5.9
-5°	95.2	63.7	43.7	31.3	20.5	10.6	5.9
-7.5°	97.5	65.7	45.4	32.4	21.2	10.9	5.9
-10°	99.4	67.5	47.0	33.4	21.8	11.3	5.9
-12.5°	100.9	69.1	48.4	34.4	22.3	11.6	5.9
-15°	102.0	70.4	49.7	35.3	22.9	11.9	5.9
-17.5°	102.7	71.6	50.9	36.1	23.4	12.1	5.9
-20°	103.2	72.5	51.9	36.8	23.8	12.4	5.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	103.7	73.2	52.8	37.4	24.2	12.6	5.9
-25°	103.7	74.1	53.5	37.9	24.5	12.9	5.9
-27.5°	103.3	74.9	54.1	38.4	24.8	13.1	5.9
-30°	102.4	75.4	54.5	38.7	25.1	13.3	5.9
-32.5°	101.0	75.6	55.3	38.9	25.3	13.4	5.9
-35°	100.4	75.6	55.8	39.1	25.4	13.6	5.9
-37.5°	100.1	75.6	56.2	39.1	25.5	13.7	5.9
-40°	99.5	75.9	56.5	39.0	25.6	13.8	5.9
-42.5°	98.4	76.1	56.7	39.0	25.5	13.9	5.9
-45°	97.0	76.0	56.8	39.1	25.5	13.9	5.9
-47.5°	95.2	75.7	56.7	39.0	25.4	13.9	5.9
-50°	94.2	75.2	56.5	39.0	25.2	13.9	5.9
-52.5°	93.2	74.5	56.1	39.0	25.0	13.9	5.9
-55°	91.9	73.6	55.5	38.8	24.8	13.9	5.9
-57.5°	90.5	72.5	54.8	38.5	24.5	13.8	5.9
-60°	88.8	71.2	53.9	38.2	24.1	13.7	5.9
-62.5°	86.8	69.6	53.2	37.7	23.7	13.6	5.9
-65°	84.6	67.9	52.3	37.1	23.3	13.5	5.9
-67.5°	82.1	66.2	51.3	36.5	22.8	13.3	5.9
-70°	79.4	64.4	50.1	35.7	22.3	13.1	5.9
-72.5°	76.7	62.4	48.9	34.9	21.7	13.0	5.9
-75°	73.8	60.3	47.5	34.0	21.1	12.7	5.9
-77.5°	70.6	58.0	46.0	33.0	20.4	12.5	5.9
-80°	67.3	55.9	44.5	31.9	19.6	12.3	5.9
-82.5°	64.7	53.8	42.9	30.7	18.9	12.0	5.9
-85°	62.1	51.6	41.1	29.5	18.1	11.7	5.9
-87.5°	59.3	49.3	39.3	28.2	17.3	11.4	5.9
-90°	4.6	4.6	4.6	4.6	4.6	5.3	5.9

(END OF REPORT)