

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

Brand: EPHESUS

Report Number: P1212081 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-5S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212081 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHEBUS
Catalog Number: EPH-LS12-1000R-40-70-5S-ECV
Description: EPHEBUS LS12 LUMINAIRE
(12) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

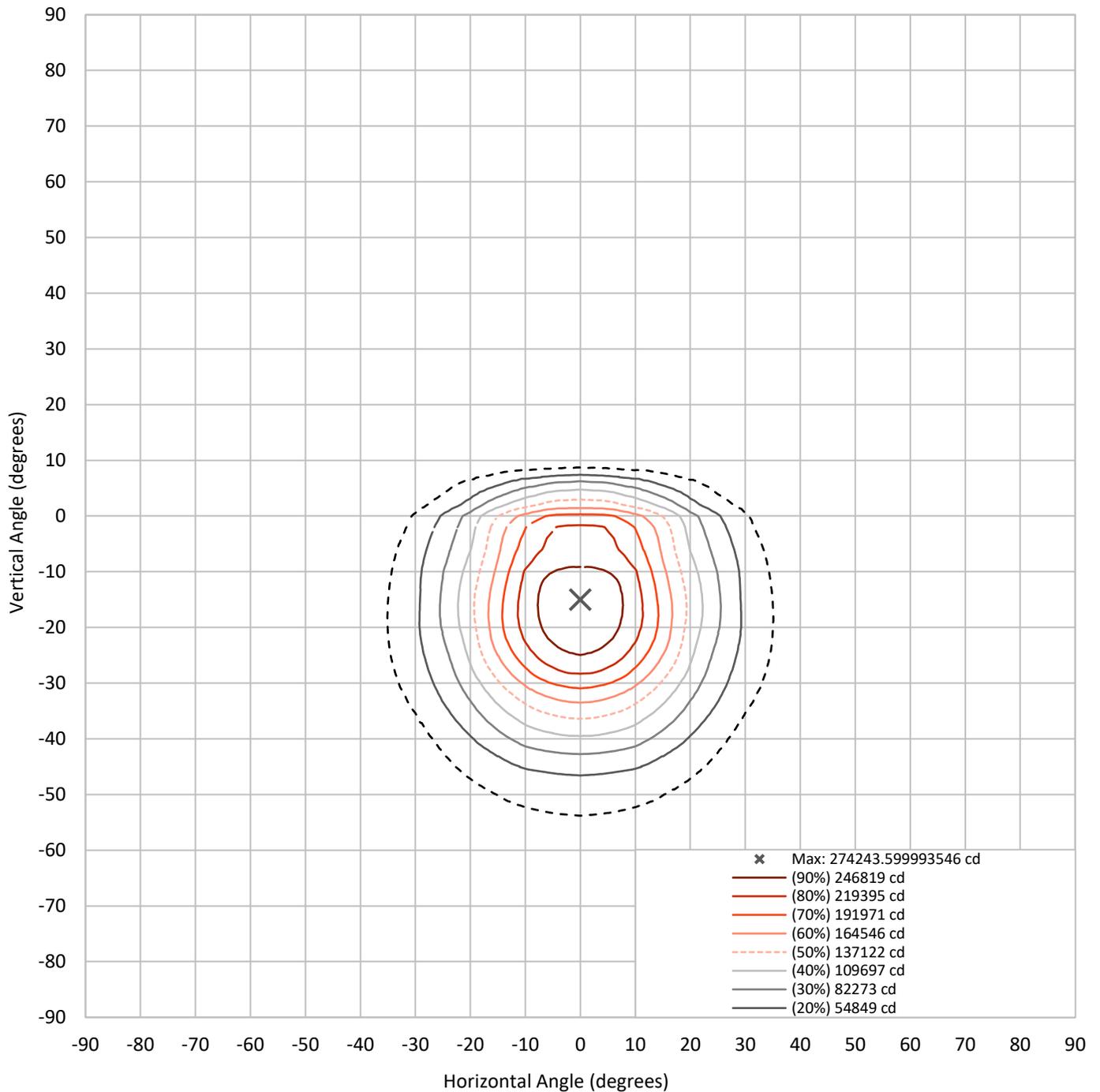
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	134138.9 lumens	Max Intensity:	274243.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -15°V
Efficacy:	128.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	38.6°H x 39°V	Field Angle (10%):	69.7°H x 62.5°V
Beam Lumens:	76632.8 lumens	Field Lumens:	122242.6 lumens
Beam Efficiency:	57.1%	Field Efficiency:	91.1%
Input Watts (W):	1041		
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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CATALOG NUMBER: EPH-LS12-1000R-40-70-5S-ECV

Iso-Candela Plot



REPORT NUMBER: P1212081 (CONVERTED FROM TYPE C PHOTOMETRY)

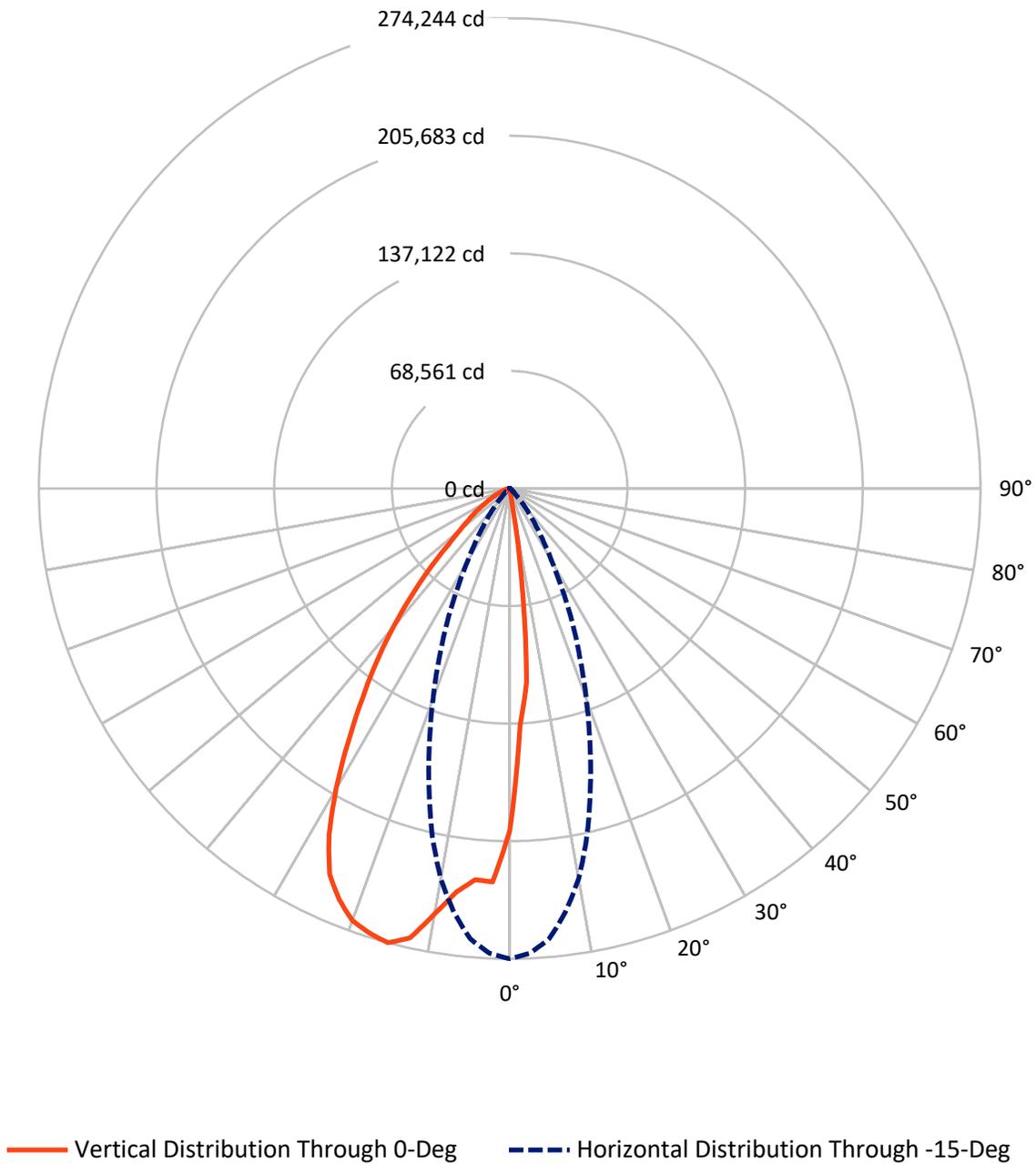
CATALOG NUMBER: EPH-LS12-1000R-40-70-5S-ECV

Lumen Table

90	2.6		6.5		7.6		6.2		4.6		6.2		7.6		6.5		2.6
80	2.5		1.4	1.6	1.6	1.5	1.1	0.7	0.2	0.2	0.7	1.1	1.5	1.6	1.6	1.4	2.5
70	2.5		1.4	1.7	1.8	1.6	1.3	0.8	0.3	0.3	0.8	1.3	1.6	1.8	1.7	1.4	2.5
60	2.5		1.4	1.8	1.9	1.8	1.4	0.9	0.3	0.3	0.9	1.4	1.8	1.9	1.8	1.4	2.5
50	2.5		1.5	1.9	2.1	2.1	1.8	1.2	0.4	0.4	1.2	1.8	2.1	2.1	1.9	1.5	2.5
40	2.7		1.6	2.0	2.4	2.6	2.4	1.7	0.6	0.6	1.7	2.4	2.6	2.4	2.0	1.6	2.7
30	2.7		1.7	2.6	3.8	5.5	14.0	17.0	13.1	13.1	17.0	14.0	5.5	3.8	2.6	1.7	2.7
20	3.1		2.2	5.5	22.9	140.7	696.1	1849.6	2857.1	2857.1	1849.6	696.1	140.7	22.9	5.5	2.2	3.1
10	3.1		4.0	16.7	92.1	543.0	1987.1	4590.7	6715.1	6715.1	4590.7	1987.1	543.0	92.1	16.7	4.0	3.1
0	4.1		6.7	29.1	126.6	710.6	2387.8	5279.9	7741.4	7741.4	5279.9	2387.8	710.6	126.6	29.1	6.7	4.1
-10	4.1		8.4	35.9	119.1	656.1	2116.7	4747.6	6953.8	6953.8	4747.6	2116.7	656.1	119.1	35.9	8.4	4.1
-20	4.9		8.6	35.6	106.7	412.1	1386.4	3010.9	4343.8	4343.8	3010.9	1386.4	412.1	106.7	35.6	8.6	4.9
-30	4.9		7.8	29.4	85.8	237.5	652.7	1382.8	1945.6	1945.6	1382.8	652.7	237.5	85.8	29.4	7.8	4.9
-40	4.9		6.5	19.9	55.9	136.8	302.7	545.7	723.9	723.9	545.7	302.7	136.8	55.9	19.9	6.5	4.9
-50	4.9		5.2	12.0	29.0	64.0	124.4	207.5	265.2	265.2	207.5	124.4	64.0	29.0	12.0	5.2	4.9
-60	4.9		5.2	12.0	29.0	64.0	124.4	207.5	265.2	265.2	207.5	124.4	64.0	29.0	12.0	5.2	4.9
-70	4.9		5.2	12.0	29.0	64.0	124.4	207.5	265.2	265.2	207.5	124.4	64.0	29.0	12.0	5.2	4.9
-80	4.3		20.9		55.7		139.7		207.4		139.7		55.7		20.9		4.3
-90	4.3		20.9		55.7		139.7		207.4		139.7		55.7		20.9		4.3

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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 38.6°
 V Angle: 39°
 Lumens: 76632.8
 Efficiency: 57.1%

Field:
 H Angle: 69.7°
 V Angle: 62.5°
 Lumens: 122242.6
 Efficiency: 91.1%

Spill:
 Lumens: 11896.3
 Efficiency: 8.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -15-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°	126.0	133.5	141.0	158.2	175.5	192.7	210.0	226.2	242.5	258.7	275.0
87.5°	126.0	125.0	123.9	121.7	119.4	117.2	115.0	112.0	109.0	106.0	103.0
85°	126.0	125.0	123.8	121.6	119.4	117.2	115.0	112.1	109.1	106.1	103.1
82.5°	126.0	124.9	123.8	121.5	119.3	117.2	115.1	112.2	109.2	106.2	103.2
80°	126.0	124.9	123.7	121.5	119.3	117.2	115.2	112.3	109.3	106.4	103.4
77.5°	126.0	124.9	123.6	121.4	119.3	117.3	115.3	112.5	109.5	106.6	103.6
75°	126.0	124.9	123.6	121.4	119.3	117.4	115.4	112.7	109.8	106.8	103.9
72.5°	126.0	124.9	123.5	121.4	119.5	117.6	115.6	112.9	110.0	107.1	104.2
70°	126.0	124.9	123.5	121.4	119.7	117.8	115.8	113.2	110.3	107.5	104.6
67.5°	126.0	124.9	123.4	121.6	119.9	118.0	116.0	113.5	110.7	107.9	105.0
65°	126.0	124.9	123.4	121.8	120.1	118.3	116.2	113.9	111.1	108.3	105.5
62.5°	126.0	124.9	123.4	122.0	120.4	118.5	116.5	114.3	111.5	108.8	106.0
60°	126.0	124.9	123.4	122.2	120.7	118.7	116.7	114.7	112.0	109.3	106.6
57.5°	126.0	124.9	123.5	122.5	120.9	119.0	117.0	115.1	112.5	109.9	107.3
55°	126.0	124.9	123.7	122.7	121.1	119.2	117.4	115.5	113.1	110.6	108.2
52.5°	126.0	125.0	123.8	123.0	121.3	119.5	117.7	115.9	113.7	111.4	109.1
50°	126.0	125.0	124.0	123.2	121.6	119.8	118.1	116.3	114.4	112.4	110.1
47.5°	126.0	125.0	124.1	123.5	121.8	120.1	118.5	116.9	115.3	113.4	111.2
45°	126.0	125.0	124.3	123.7	122.1	120.5	118.9	117.4	116.2	114.5	112.4
42.5°	126.0	125.1	124.4	123.9	122.4	120.8	119.5	118.1	117.0	115.7	113.3
40°	126.0	125.1	124.6	124.1	122.7	121.2	120.0	118.9	117.9	116.9	114.2
37.5°	126.0	125.1	124.8	124.3	123.0	121.6	120.6	119.7	118.9	117.9	115.0
35°	126.0	125.2	124.9	124.6	123.3	122.0	121.2	120.5	119.9	118.6	116.0
32.5°	126.0	125.2	125.1	124.9	123.6	122.6	121.9	121.3	120.9	119.6	117.4
30°	126.0	125.3	125.2	125.2	124.0	123.1	122.6	122.1	122.0	120.6	119.0
27.5°	126.0	125.3	125.4	125.5	124.6	123.6	123.3	123.0	123.0	121.8	120.7
25°	126.0	125.4	125.5	125.9	125.3	124.2	124.0	124.0	124.1	123.3	122.6
22.5°	126.0	125.4	125.7	126.2	126.0	125.0	124.7	124.9	125.2	124.9	124.8
20°	126.0	125.5	125.9	126.6	126.8	126.4	125.4	125.9	126.4	126.6	127.1
17.5°	126.0	125.6	126.0	127.1	127.6	127.9	127.0	126.9	127.6	128.4	129.5
15°	126.0	125.6	126.2	127.5	128.5	129.4	129.3	128.9	128.9	130.2	132.0
12.5°	126.0	125.7	126.3	127.9	129.4	131.0	131.7	132.3	132.2	132.1	134.5
10°	126.0	125.7	126.4	128.3	130.3	132.6	134.1	135.8	137.0	138.1	139.9
7.5°	126.0	125.8	126.6	128.8	131.3	134.2	136.6	139.4	142.0	144.8	151.6
5°	126.0	125.9	126.7	129.2	132.2	135.8	139.1	142.9	147.0	151.6	163.7
2.5°	126.0	125.9	126.9	129.6	133.1	137.4	141.6	146.5	152.0	158.3	175.9
0°	126.0	126.0	127.0	130.0	134.0	139.0	144.0	150.0	157.0	165.0	188.0
-2.5°	126.0	126.4	128.0	131.8	136.8	143.4	151.6	161.0	173.1	191.4	233.3
-5°	126.0	126.9	129.1	133.6	139.6	147.7	159.0	171.8	188.9	217.1	277.0
-7.5°	126.0	127.3	130.1	135.4	142.3	151.9	166.2	182.2	204.2	241.6	318.1
-10°	126.0	127.7	131.1	137.1	144.9	156.0	173.1	192.3	218.7	264.5	355.5
-12.5°	126.0	128.2	132.1	138.8	147.4	159.8	179.5	201.9	232.4	287.8	405.0
-15°	126.0	128.6	133.1	140.5	149.9	163.5	185.4	210.9	250.1	324.7	456.3
-17.5°	126.0	129.0	134.0	142.0	152.2	166.9	190.7	222.9	272.3	357.0	500.3
-20°	126.0	129.4	134.9	143.5	154.4	170.0	197.1	236.8	292.1	383.9	536.1



REPORT NUMBER: P1212081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	126.0	129.8	135.8	144.9	156.5	172.9	205.7	249.2	308.9	404.9	562.8
-25°	126.0	130.1	136.7	146.3	158.5	178.1	213.5	260.1	322.7	419.3	579.8
-27.5°	126.0	130.5	137.5	147.5	160.3	183.9	220.5	269.2	333.1	430.1	596.3
-30°	126.0	130.8	138.2	148.7	162.1	189.3	226.6	276.5	342.4	441.9	603.7
-32.5°	126.0	131.2	138.9	149.7	165.9	194.0	231.7	283.1	350.5	448.7	601.0
-35°	126.0	131.5	139.6	150.7	169.4	198.1	236.9	288.6	356.0	450.4	588.1
-37.5°	126.0	131.8	140.2	151.5	172.4	201.9	241.5	292.8	358.6	446.8	586.7
-40°	126.0	132.1	140.8	152.2	175.1	205.5	245.2	295.6	358.4	444.9	583.8
-42.5°	126.0	132.3	141.3	153.3	177.5	208.5	248.0	297.1	358.7	444.2	571.3
-45°	126.0	132.6	141.7	154.9	179.6	210.8	249.9	298.0	358.7	438.7	551.6
-47.5°	126.0	132.8	142.1	156.2	181.4	212.6	250.8	298.9	356.9	428.2	538.2
-50°	126.0	133.0	142.5	157.6	182.9	213.8	251.7	298.4	352.6	422.1	518.4
-52.5°	126.0	133.2	142.8	158.8	184.0	214.3	251.9	296.8	347.9	412.6	493.8
-55°	126.0	133.3	143.0	159.9	184.7	214.8	251.3	294.1	342.1	399.7	476.9
-57.5°	126.0	133.5	143.2	160.8	185.1	214.8	249.9	291.6	334.3	387.9	456.0
-60°	126.0	133.6	143.3	161.5	185.2	214.4	247.7	287.3	325.5	374.8	433.9
-62.5°	126.0	133.7	143.4	162.0	185.6	213.4	245.9	281.8	318.4	359.6	414.1
-65°	126.0	133.8	143.4	162.4	185.7	212.1	243.4	276.1	310.4	348.1	391.8
-67.5°	126.0	133.8	143.4	162.6	185.5	210.8	240.4	271.2	301.5	337.0	375.0
-70°	126.0	133.9	143.3	162.6	185.1	209.8	236.7	265.7	294.7	324.9	360.2
-72.5°	126.0	133.9	143.2	162.5	184.5	208.4	234.1	259.8	287.3	315.9	345.5
-75°	126.0	133.9	143.0	162.3	183.7	206.7	231.4	255.1	279.5	306.4	334.2
-77.5°	126.0	133.9	142.8	161.9	182.7	204.8	228.3	250.6	273.4	297.0	322.2
-80°	126.0	133.8	142.5	161.4	181.6	202.7	224.8	245.7	267.1	289.2	311.9
-82.5°	126.0	133.8	142.2	160.8	180.3	200.5	221.4	240.8	260.4	280.9	301.8
-85°	126.0	133.7	141.8	160.1	178.9	198.1	217.9	236.2	254.7	273.3	292.2
-87.5°	126.0	133.6	141.4	159.2	177.3	195.5	214.0	231.3	248.7	266.2	283.7
-90°	126.0	125.0	124.0	121.7	119.5	117.2	115.0	112.0	109.0	106.0	103.0



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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°	285.5	296.0	306.5	317.0	321.3	325.5	329.8	334.0	339.3	344.5	349.8
87.5°	99.5	96.0	92.5	89.0	85.0	81.0	77.0	73.0	68.5	64.0	59.5
85°	99.6	96.1	92.6	89.1	85.2	81.2	77.2	73.2	68.7	64.2	59.7
82.5°	99.8	96.3	92.8	89.3	85.4	81.4	77.4	73.4	68.9	64.4	59.9
80°	100.0	96.5	93.1	89.6	85.7	81.7	77.7	73.7	69.3	64.8	60.3
77.5°	100.3	96.8	93.4	89.9	86.1	82.1	78.1	74.1	69.7	65.2	60.7
75°	100.6	97.2	93.8	90.3	86.5	82.6	78.6	74.4	69.9	65.4	61.0
72.5°	101.0	97.6	94.2	90.8	87.1	83.0	78.7	74.4	70.1	65.8	61.5
70°	101.5	98.1	94.7	91.3	87.7	83.5	79.3	75.0	70.8	66.5	62.2
67.5°	102.0	98.7	95.3	91.9	88.4	84.3	80.1	75.9	71.6	67.3	63.0
65°	102.6	99.3	96.0	92.6	89.3	85.2	81.0	76.8	72.5	68.3	63.9
62.5°	103.3	100.0	96.7	93.4	90.1	86.2	82.0	77.8	73.6	69.5	65.3
60°	103.9	100.8	97.6	94.3	91.0	87.3	83.2	79.1	75.3	71.4	66.4
57.5°	104.7	101.7	98.5	95.2	91.9	88.5	84.6	80.7	76.5	72.0	67.1
55°	105.5	102.6	99.4	96.2	93.0	89.7	85.9	81.8	77.4	73.2	68.6
52.5°	106.5	103.5	100.5	97.4	94.4	91.0	87.3	83.2	79.0	74.7	70.3
50°	107.5	104.5	101.7	99.0	95.8	92.4	88.9	84.8	80.7	76.4	72.1
47.5°	108.5	105.5	103.3	100.5	97.3	93.9	90.4	86.6	82.5	78.3	73.9
45°	109.4	106.8	104.8	102.0	98.8	95.5	92.1	88.6	84.5	80.4	76.5
42.5°	110.3	108.2	106.1	103.5	100.4	97.2	93.9	90.4	86.6	82.8	78.8
40°	111.5	109.6	107.5	105.0	102.1	99.0	95.8	92.4	88.9	85.1	81.1
37.5°	112.8	111.0	109.0	106.6	103.9	100.9	97.8	94.7	91.3	87.5	83.7
35°	114.0	112.5	110.6	108.4	105.7	102.9	100.2	97.3	94.0	90.7	87.0
32.5°	115.4	114.1	112.4	110.1	107.7	105.2	103.0	100.2	97.4	94.4	90.8
30°	117.2	115.8	114.3	112.0	109.9	108.0	106.0	103.5	101.3	98.5	95.7
27.5°	119.5	117.7	116.1	114.1	112.3	111.0	109.3	107.5	105.5	103.1	101.2
25°	122.0	120.9	117.9	116.4	115.2	114.3	113.1	111.8	110.1	108.5	107.4
22.5°	124.8	124.4	122.2	118.8	118.2	117.9	117.4	116.7	115.9	114.4	112.6
20°	127.8	128.2	127.3	125.5	122.8	121.8	121.8	122.1	122.8	124.0	121.6
17.5°	131.0	132.5	133.1	134.3	136.3	133.5	126.5	128.0	130.6	137.8	143.1
15°	134.4	137.1	139.4	144.7	152.6	158.5	159.1	147.4	141.6	156.3	171.7
12.5°	137.9	142.0	146.0	156.3	171.3	188.1	206.6	221.2	225.0	213.6	207.5
10°	141.5	147.1	152.9	168.9	191.7	221.2	261.2	307.7	356.1	436.3	566.1
7.5°	160.1	166.7	168.6	181.9	213.2	256.7	320.8	403.3	500.9	700.5	1157.5
5°	181.9	202.7	233.3	277.8	327.3	379.6	444.5	509.6	653.8	990.1	1842.8
2.5°	204.1	239.5	300.2	389.0	502.6	640.5	835.9	1385.9	2252.5	3215.6	4452.1
0°	226.0	276.0	367.0	500.0	678.0	902.0	1229.0	2281.0	4171.0	6377.0	8680.0
-2.5°	300.2	398.9	541.6	720.1	919.2	1188.0	1582.8	2881.4	5092.1	7851.0	11718.1
-5°	371.7	517.1	709.7	932.6	1153.5	1461.9	1916.5	3402.0	5957.0	9282.1	14107.7
-7.5°	438.7	627.1	867.6	1133.8	1385.7	1737.6	2271.9	3989.1	7014.8	10782.1	15800.6
-10°	503.1	733.5	1015.1	1318.6	1614.6	2003.1	2596.8	4392.4	7744.1	11950.6	17096.6
-12.5°	583.4	835.8	1148.2	1487.9	1826.3	2242.4	2869.5	4567.6	8071.6	12732.7	18168.0
-15°	654.0	925.7	1264.2	1639.7	2018.1	2451.6	3081.9	4477.4	7982.4	13190.4	19130.9
-17.5°	713.4	1001.8	1360.8	1771.8	2187.4	2627.4	3251.3	4369.2	7742.7	13016.5	19440.3
-20°	760.2	1062.6	1436.2	1882.5	2330.8	2788.8	3493.9	4665.1	7450.2	12244.3	18772.2



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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°	793.2	1107.0	1493.5	1960.4	2437.9	2932.5	3635.4	4785.7	6823.1	10852.9	17978.1
-25°	817.7	1141.5	1535.8	2008.4	2517.5	3036.4	3653.2	4747.0	6417.6	10444.5	16839.6
-27.5°	835.0	1157.0	1559.1	2028.7	2569.2	3100.1	3688.6	4681.6	6576.0	9713.7	14958.1
-30°	838.6	1159.1	1559.7	2025.3	2573.4	3130.8	3719.9	4640.0	6408.7	9237.7	13631.6
-32.5°	834.1	1145.7	1545.5	2006.9	2539.3	3128.5	3784.3	4674.8	6150.7	8452.9	12081.8
-35°	825.8	1134.2	1513.6	1961.0	2473.5	3089.5	3803.2	4652.4	5747.8	7725.8	10763.8
-37.5°	813.5	1106.4	1460.8	1895.7	2395.7	3005.8	3734.2	4552.8	5567.7	6961.6	9647.4
-40°	788.0	1062.5	1406.8	1815.6	2301.4	2880.7	3573.1	4376.1	5300.0	6707.5	8517.4
-42.5°	752.5	1019.3	1340.3	1713.0	2186.2	2732.5	3351.8	4115.7	5077.4	6289.4	7860.1
-45°	726.8	961.1	1258.5	1615.1	2041.1	2551.8	3137.1	3795.7	4742.6	5841.6	7139.9
-47.5°	689.4	895.5	1173.3	1488.4	1880.9	2347.3	2884.2	3535.0	4314.3	5307.5	6436.6
-50°	647.0	837.2	1065.5	1356.9	1701.5	2120.9	2610.7	3214.1	3913.8	4721.3	5693.1
-52.5°	614.6	765.7	970.2	1212.8	1518.2	1878.8	2333.3	2871.7	3481.9	4163.2	5035.3
-55°	574.8	708.6	868.9	1079.8	1331.2	1642.7	2041.6	2524.2	3038.9	3639.3	4375.8
-57.5°	541.2	649.7	783.1	949.5	1163.5	1412.4	1772.8	2168.6	2631.4	3130.8	3742.5
-60°	510.1	595.4	706.1	841.6	1000.1	1228.7	1503.0	1842.5	2226.4	2651.0	3168.3
-62.5°	476.8	547.7	634.8	743.9	877.8	1047.6	1282.0	1547.1	1831.1	2200.8	2614.8
-65°	447.5	499.1	568.9	657.2	758.8	906.7	1081.8	1280.2	1524.5	1802.3	2102.1
-67.5°	415.0	460.6	510.9	570.4	657.8	770.1	894.5	1057.5	1241.7	1453.6	1685.1
-70°	393.3	422.4	463.4	510.8	566.1	643.3	746.8	860.0	988.1	1148.6	1336.6
-72.5°	373.3	399.4	426.6	455.0	501.3	559.1	622.5	691.3	787.4	910.8	1042.1
-75°	356.4	376.0	399.6	424.6	453.9	488.4	528.1	582.7	649.4	726.7	809.0
-77.5°	341.9	360.0	378.2	396.5	416.6	443.0	472.2	504.1	546.5	594.3	644.0
-80°	328.3	343.6	360.1	376.7	392.4	409.1	426.8	445.6	474.5	509.4	548.4
-82.5°	316.5	330.7	344.9	359.1	370.2	381.3	393.2	406.9	428.2	451.7	476.5
-85°	304.9	317.6	330.6	343.6	352.5	361.3	370.4	379.6	393.3	407.7	422.8
-87.5°	295.3	306.9	318.5	330.1	336.4	342.8	349.3	355.9	364.6	373.5	382.6
-90°	99.5	96.0	92.5	89.0	85.0	81.0	77.0	73.0	68.5	64.0	59.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	355.0	364.0	373.0	382.0	391.0	403.3	415.5	427.8	440.0	455.8	471.5
87.5°	55.0	50.8	46.5	42.3	38.0	34.0	30.0	26.0	22.0	18.5	15.0
85°	55.2	50.9	46.7	42.4	38.1	34.1	30.1	26.1	22.1	18.3	14.6
82.5°	55.4	51.1	46.9	42.6	38.3	34.3	30.3	26.2	22.2	18.4	14.6
80°	55.7	51.4	47.1	42.9	38.6	34.5	30.5	26.4	22.4	18.5	14.7
77.5°	56.2	51.8	47.5	43.2	38.9	34.8	30.7	26.6	22.6	18.7	14.9
75°	56.6	52.3	48.0	43.6	39.3	35.1	31.0	26.9	22.8	18.9	15.0
72.5°	57.2	52.9	48.5	44.2	39.8	35.6	31.4	27.3	23.1	19.1	15.2
70°	57.9	53.5	49.2	44.8	40.4	36.1	31.9	27.7	23.5	19.4	15.4
67.5°	58.7	54.3	49.9	45.5	41.0	36.6	32.4	28.1	23.9	19.7	15.7
65°	59.6	55.2	50.7	46.3	41.8	37.3	32.9	28.4	23.8	19.5	15.5
62.5°	60.9	56.1	51.4	46.8	42.4	38.1	33.4	28.8	24.1	19.6	15.7
60°	61.5	56.4	51.9	47.6	43.3	38.9	34.3	29.5	24.7	20.1	16.1
57.5°	62.5	57.7	53.0	48.7	44.3	39.9	35.2	30.5	25.8	21.3	17.1
55°	63.9	59.2	54.3	50.1	45.7	41.1	36.3	31.6	26.7	21.6	17.2
52.5°	65.6	61.0	56.5	52.1	47.3	42.4	37.4	32.4	27.5	22.6	18.1
50°	67.6	63.1	58.5	53.6	48.8	43.8	38.7	33.8	28.6	23.3	18.4
47.5°	69.9	65.4	60.5	55.4	50.4	45.4	40.2	34.9	29.6	24.4	19.4
45°	72.5	67.6	62.6	57.4	52.3	47.1	41.8	36.4	31.2	25.9	20.5
42.5°	74.6	69.7	64.4	59.5	54.3	49.1	43.6	38.0	32.6	26.8	20.8
40°	76.6	71.7	67.2	62.3	56.8	51.2	45.5	39.8	34.0	28.1	22.1
37.5°	79.4	75.1	70.6	65.5	59.5	52.9	47.7	42.1	36.0	30.0	23.8
35°	83.1	79.2	74.5	69.0	63.1	57.2	51.4	45.0	38.1	32.3	25.7
32.5°	87.7	84.3	80.0	74.2	68.9	62.1	55.3	50.2	43.7	37.2	30.6
30°	93.5	92.2	86.0	80.2	73.7	68.0	63.8	58.2	52.3	45.7	36.5
27.5°	101.5	97.9	90.1	84.5	80.1	76.2	71.5	65.7	57.7	49.2	37.9
25°	106.7	100.3	94.7	90.9	87.7	83.9	77.7	70.1	58.6	46.6	36.7
22.5°	110.3	105.2	101.2	98.5	95.7	90.4	81.6	69.4	57.9	47.8	38.0
20°	115.7	110.6	111.6	111.9	103.8	97.9	84.6	70.9	60.7	50.4	40.0
17.5°	136.4	121.4	131.1	140.7	130.2	108.7	102.0	84.7	73.3	61.8	48.2
15°	175.3	179.5	182.4	181.7	177.3	159.1	138.2	133.3	117.1	106.0	92.5
12.5°	231.9	268.5	338.1	461.4	281.5	237.4	338.0	345.3	237.4	198.4	182.2
10°	627.1	385.6	685.2	1811.9	3811.7	4273.5	1143.7	3424.3	4122.9	5681.7	1616.2
7.5°	1941.2	2931.1	3798.4	5368.3	10432.1	16630.4	19037.4	20697.9	27902.9	34918.9	37854.4
5°	3516.4	6250.5	9786.5	14591.5	21938.2	31330.4	40233.1	51759.0	60958.0	74942.5	87518.9
2.5°	6734.7	11370.7	17294.8	24671.7	33545.0	44994.6	57896.4	76794.9	92767.7	106478.9	116257.8
0°	12170.0	20416.0	30005.1	43773.1	56661.1	74611.2	91527.2	115464.3	136457.3	157165.8	172706.4
-2.5°	16603.8	24593.6	35454.1	50242.3	66005.9	82015.3	102491.8	127711.9	153899.1	177141.8	195449.3
-5°	20207.9	28677.6	40908.5	55906.6	71441.4	87165.5	105413.7	130564.1	158772.5	181498.8	198461.7
-7.5°	22836.7	32096.6	45116.9	60362.0	76024.4	93290.5	113614.8	137994.2	163110.8	188835.9	208106.1
-10°	24505.6	34515.3	47655.4	63939.1	81105.5	99780.2	120791.2	145150.7	170320.6	197185.2	221834.2
-12.5°	25807.3	36149.3	48494.3	65639.6	83613.1	104502.2	126813.7	150447.0	176813.3	204627.8	227273.9
-15°	26853.4	36935.0	48944.1	66183.8	86316.5	107034.0	130331.4	155467.2	181582.8	207932.0	231045.7
-17.5°	27438.0	37268.9	50091.1	66155.9	87237.8	107284.3	130397.2	156204.9	184105.0	210674.4	231495.5
-20°	27194.7	37493.7	50251.1	65658.4	84272.6	104806.6	126575.8	153571.2	181966.6	207449.2	228054.6



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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°	26770.6	36868.4	48774.1	63291.9	79767.8	98754.0	121032.1	149235.8	177668.4	199701.4	220899.0
-25°	25498.6	35116.2	46356.9	59758.0	74655.3	92192.4	115104.2	140853.4	165614.1	188370.1	208084.9
-27.5°	23200.7	32820.5	43441.2	55519.7	69154.3	85779.3	106376.3	128848.9	150345.0	171337.6	190226.4
-30°	19716.6	29342.8	39653.7	50805.7	63720.2	78772.6	95767.2	114483.9	133922.8	152446.0	168782.8
-32.5°	17356.3	24474.0	34509.0	45313.9	57112.9	70452.1	85096.2	101220.0	117348.3	132571.7	146751.0
-35°	14764.5	20567.8	27898.3	38637.1	49881.3	61386.6	74308.6	88508.4	102852.6	115415.5	127350.6
-37.5°	12968.0	16990.5	23190.8	31061.2	41079.7	52137.8	63886.5	75871.7	87613.8	98833.4	109532.4
-40°	11367.3	14727.6	19559.1	25333.8	32958.4	41504.1	52326.9	63244.9	73417.4	82942.3	92083.7
-42.5°	9848.8	12963.3	16891.9	21584.8	26783.2	33341.9	41402.5	49902.3	57974.5	66354.6	74117.8
-45°	8767.1	11299.9	14311.8	18211.1	22468.1	27419.9	32792.8	38266.1	44618.9	50959.1	56302.3
-47.5°	7963.0	9889.8	12344.5	15141.5	18382.8	22355.5	26532.0	30684.0	35069.1	39418.4	42875.4
-50°	7088.7	8712.6	10624.9	12764.8	15359.3	18182.7	21116.8	24339.3	27784.3	31101.9	33525.0
-52.5°	6128.9	7499.6	9035.8	10850.4	12933.3	15083.7	17291.9	19858.0	22434.8	24945.1	26638.5
-55°	5289.2	6347.6	7503.2	9003.1	10699.8	12519.3	14369.0	16214.9	18163.0	20170.8	21414.6
-57.5°	4480.4	5297.7	6235.1	7386.9	8619.1	9917.7	11386.9	12923.6	14419.9	15820.7	16730.1
-60°	3728.1	4326.5	5114.1	6004.5	6924.1	7868.5	9029.1	10208.8	11379.9	12431.6	13099.8
-62.5°	3056.2	3549.5	4149.6	4819.8	5534.4	6309.3	7144.8	8010.2	8892.5	9661.8	10180.6
-65°	2442.6	2837.3	3295.9	3783.6	4296.5	4895.8	5540.3	6184.3	6821.9	7352.3	7743.6
-67.5°	1952.0	2237.2	2559.8	2893.2	3277.6	3714.9	4198.0	4682.6	5164.0	5558.0	5870.0
-70°	1532.7	1744.3	1980.2	2234.5	2513.8	2824.0	3167.8	3512.4	3855.0	4130.8	4364.6
-72.5°	1180.3	1334.2	1509.4	1706.0	1906.5	2129.9	2375.1	2626.9	2882.1	3080.6	3251.0
-75°	895.8	1002.4	1134.7	1271.5	1411.8	1568.2	1731.0	1893.1	2053.5	2177.7	2288.9
-77.5°	704.8	785.0	871.7	960.1	1049.8	1153.9	1263.6	1374.5	1485.8	1569.9	1647.1
-80°	588.7	638.3	692.3	748.7	807.2	876.4	947.9	1019.9	1092.0	1147.8	1200.6
-82.5°	502.4	534.8	568.5	603.0	638.1	683.9	731.0	778.5	826.1	865.6	904.1
-85°	438.4	459.6	481.5	503.8	526.4	557.6	589.3	621.3	653.4	680.8	707.7
-87.5°	391.8	405.6	419.6	433.8	448.0	468.0	488.2	508.5	528.8	547.9	567.0
-90°	55.0	50.8	46.5	42.3	38.0	34.0	30.0	26.0	22.0	18.5	15.0



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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°	487.3	503.0	506.0	509.0	506.0	503.0	487.3	471.5	455.8	440.0	427.8
87.5°	11.5	8.0	5.0	2.0	5.0	8.0	11.5	15.0	18.5	22.0	26.0
85°	10.8	7.0	4.5	2.0	4.5	7.0	10.8	14.6	18.3	22.1	26.1
82.5°	10.8	7.1	4.0	1.0	4.0	7.1	10.8	14.6	18.4	22.2	26.2
80°	10.9	7.1	4.5	2.0	4.5	7.1	10.9	14.7	18.5	22.4	26.4
77.5°	11.0	7.2	4.1	1.0	4.1	7.2	11.0	14.9	18.7	22.6	26.6
75°	11.1	7.3	4.1	1.0	4.1	7.3	11.1	15.0	18.9	22.8	26.9
72.5°	11.3	7.4	4.6	2.0	4.6	7.4	11.3	15.2	19.1	23.1	27.3
70°	11.5	7.5	4.2	1.0	4.2	7.5	11.5	15.4	19.4	23.5	27.7
67.5°	11.7	7.6	4.2	1.0	4.2	7.6	11.7	15.7	19.7	23.9	28.1
65°	11.6	7.7	4.3	1.0	4.3	7.7	11.6	15.5	19.5	23.8	28.4
62.5°	11.8	7.9	4.4	1.0	4.4	7.9	11.8	15.7	19.6	24.1	28.8
60°	12.1	8.1	4.5	1.0	4.5	8.1	12.1	16.1	20.1	24.7	29.5
57.5°	12.8	8.4	4.2	0.0	4.2	8.4	12.8	17.1	21.3	25.8	30.5
55°	12.8	8.5	4.7	1.0	4.7	8.5	12.8	17.2	21.6	26.7	31.6
52.5°	13.6	8.9	4.8	1.0	4.8	8.9	13.6	18.1	22.6	27.5	32.4
50°	13.7	9.1	4.6	0.0	4.6	9.1	13.7	18.4	23.3	28.6	33.8
47.5°	14.6	9.6	4.7	0.0	4.7	9.6	14.6	19.4	24.4	29.6	34.9
45°	15.3	10.1	5.2	1.0	5.2	10.1	15.3	20.5	25.9	31.2	36.4
42.5°	15.6	10.4	5.2	0.0	5.2	10.4	15.6	20.8	26.8	32.6	38.0
40°	16.7	11.1	5.4	0.0	5.4	11.1	16.7	22.1	28.1	34.0	39.8
37.5°	17.8	11.8	5.9	1.0	5.9	11.8	17.8	23.8	30.0	36.0	42.1
35°	18.9	12.5	6.2	1.0	6.2	12.5	18.9	25.7	32.3	38.1	45.0
32.5°	23.3	15.7	7.5	1.0	7.5	15.7	23.3	30.6	37.2	43.7	50.2
30°	27.2	18.2	8.9	0.0	8.9	18.2	27.2	36.5	45.7	52.3	58.2
27.5°	27.7	18.1	8.7	1.0	8.7	18.1	27.7	37.9	49.2	57.7	65.7
25°	27.5	18.6	10.2	3.0	10.2	18.6	27.5	36.7	46.6	58.6	70.1
22.5°	28.1	18.6	10.0	6.0	10.0	18.6	28.1	38.0	47.8	57.9	69.4
20°	30.6	21.1	14.1	8.0	14.1	21.1	30.6	40.0	50.4	60.7	70.9
17.5°	43.6	32.9	25.5	21.0	25.5	32.9	43.6	48.2	61.8	73.3	84.7
15°	80.8	68.9	59.0	54.0	59.0	68.9	80.8	92.5	106.0	117.1	133.3
12.5°	146.1	126.1	109.0	89.5	109.0	126.1	146.1	182.2	198.4	237.4	345.3
10°	4037.8	3355.2	2841.7	1764.0	2841.7	3355.2	4037.8	1616.2	5681.7	4122.9	3424.3
7.5°	40690.8	45543.9	48304.1	51358.7	48304.1	45543.9	40690.8	37854.4	34918.9	27902.9	20697.9
5°	94762.1	108129.1	107916.3	113000.3	107916.3	108129.1	94762.1	87518.9	74942.5	60958.0	51759.0
2.5°	126218.2	136665.5	137078.9	138196.8	137078.9	136665.5	126218.2	116257.8	106478.9	92767.7	76794.9
0°	186194.9	197487.4	199281.5	199733.5	199281.5	197487.4	186194.9	172706.4	157165.8	136457.3	115464.3
-2.5°	212068.0	225030.2	228602.4	229623.0	228602.4	225030.2	212068.0	195449.3	177141.8	153899.1	127711.9
-5°	213554.5	224017.5	227370.6	228936.5	227370.6	224017.5	213554.5	198461.7	181498.8	158772.5	130564.1
-7.5°	224196.9	232967.9	236190.5	237174.0	236190.5	232967.9	224196.9	208106.1	188835.9	163110.8	137994.2
-10°	237866.3	247317.3	251948.4	251933.6	251948.4	247317.3	237866.3	221834.2	197185.2	170320.6	145150.7
-12.5°	246473.8	260090.6	266043.0	268408.1	266043.0	260090.6	246473.8	227273.9	204627.8	176813.3	150447.0
-15°	249069.4	263634.0	271230.6	274243.6	271230.6	263634.0	249069.4	231045.7	207932.0	181582.8	155467.2
-17.5°	248517.6	263272.7	269867.8	271840.6	269867.8	263272.7	248517.6	231495.5	210674.4	184105.0	156204.9
-20°	244433.0	258727.9	266160.6	268065.6	266160.6	258727.9	244433.0	228054.6	207449.2	181966.6	153571.2



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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°	236929.1	249686.1	256908.2	259484.6	256908.2	249686.1	236929.1	220899.0	199701.4	177668.4	149235.8
-25°	224949.0	236814.4	244475.3	248157.6	244475.3	236814.4	224949.0	208084.9	188370.1	165614.1	140853.4
-27.5°	207581.6	218449.9	226732.8	227906.5	226732.8	218449.9	207581.6	190226.4	171337.6	150345.0	128848.9
-30°	184547.9	193386.3	200090.4	202143.5	200090.4	193386.3	184547.9	168782.8	152446.0	133922.8	114483.9
-32.5°	158695.1	166440.1	172404.7	174732.4	172404.7	166440.1	158695.1	146751.0	132571.7	117348.3	101220.0
-35°	136742.2	143532.6	148764.8	149597.3	148764.8	143532.6	136742.2	127350.6	115415.5	102852.6	88508.4
-37.5°	116911.5	122271.6	126155.8	127355.3	126155.8	122271.6	116911.5	109532.4	98833.4	87613.8	75871.7
-40°	97433.8	101884.0	104895.2	105212.2	104895.2	101884.0	97433.8	92083.7	82942.3	73417.4	63244.9
-42.5°	78150.6	81271.7	83286.4	84005.2	83286.4	81271.7	78150.6	74117.8	66354.6	57974.5	49902.3
-45°	59385.1	61788.4	63667.9	65137.1	63667.9	61788.4	59385.1	56302.3	50959.1	44618.9	38266.1
-47.5°	45133.3	46999.4	48008.3	48094.1	48008.3	46999.4	45133.3	42875.4	39418.4	35069.1	30684.0
-50°	35265.1	36716.9	37513.5	37705.1	37513.5	36716.9	35265.1	33525.0	31101.9	27784.3	24339.3
-52.5°	28043.0	29313.1	30047.1	30314.1	30047.1	29313.1	28043.0	26638.5	24945.1	22434.8	19858.0
-55°	22489.5	23423.2	24135.9	24658.1	24135.9	23423.2	22489.5	21414.6	20170.8	18163.0	16214.9
-57.5°	17562.2	18305.7	18701.4	18870.0	18701.4	18305.7	17562.2	16730.1	15820.7	14419.9	12923.6
-60°	13707.9	14249.6	14560.3	14734.0	14560.3	14249.6	13707.9	13099.8	12431.6	11379.9	10208.8
-62.5°	10650.9	11068.8	11274.4	11373.0	11274.4	11068.8	10650.9	10180.6	9661.8	8892.5	8010.2
-65°	8100.6	8421.3	8607.9	8734.0	8607.9	8421.3	8100.6	7743.6	7352.3	6821.9	6184.3
-67.5°	6157.7	6419.6	6470.7	6459.0	6470.7	6419.6	6157.7	5870.0	5558.0	5164.0	4682.6
-70°	4586.5	4794.0	4832.5	4830.0	4832.5	4794.0	4586.5	4364.6	4130.8	3855.0	3512.4
-72.5°	3411.5	3560.7	3610.8	3637.0	3610.8	3560.7	3411.5	3251.0	3080.6	2882.1	2626.9
-75°	2394.2	2493.0	2545.0	2586.0	2545.0	2493.0	2394.2	2288.9	2177.7	2053.5	1893.1
-77.5°	1721.2	1791.6	1812.3	1826.0	1812.3	1791.6	1721.2	1647.1	1569.9	1485.8	1374.5
-80°	1251.6	1300.7	1307.7	1311.0	1307.7	1300.7	1251.6	1200.6	1147.8	1092.0	1019.9
-82.5°	941.9	978.9	983.9	987.0	983.9	978.9	941.9	904.1	865.6	826.1	778.5
-85°	734.4	760.6	766.7	772.0	766.7	760.6	734.4	707.7	680.8	653.4	621.3
-87.5°	585.8	604.6	607.4	610.0	607.4	604.6	585.8	567.0	547.9	528.8	508.5
-90°	11.5	8.0	5.0	2.0	5.0	8.0	11.5	15.0	18.5	22.0	26.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	415.5	403.3	391.0	382.0	373.0	364.0	355.0	349.8	344.5	339.3	334.0
87.5°	30.0	34.0	38.0	42.3	46.5	50.8	55.0	59.5	64.0	68.5	73.0
85°	30.1	34.1	38.1	42.4	46.7	50.9	55.2	59.7	64.2	68.7	73.2
82.5°	30.3	34.3	38.3	42.6	46.9	51.1	55.4	59.9	64.4	68.9	73.4
80°	30.5	34.5	38.6	42.9	47.1	51.4	55.7	60.3	64.8	69.3	73.7
77.5°	30.7	34.8	38.9	43.2	47.5	51.8	56.2	60.7	65.2	69.7	74.1
75°	31.0	35.1	39.3	43.6	48.0	52.3	56.6	61.0	65.4	69.9	74.4
72.5°	31.4	35.6	39.8	44.2	48.5	52.9	57.2	61.5	65.8	70.1	74.4
70°	31.9	36.1	40.4	44.8	49.2	53.5	57.9	62.2	66.5	70.8	75.0
67.5°	32.4	36.6	41.0	45.5	49.9	54.3	58.7	63.0	67.3	71.6	75.9
65°	32.9	37.3	41.8	46.3	50.7	55.2	59.6	63.9	68.3	72.5	76.8
62.5°	33.4	38.1	42.4	46.8	51.4	56.1	60.9	65.3	69.5	73.6	77.8
60°	34.3	38.9	43.3	47.6	51.9	56.4	61.5	66.4	71.4	75.3	79.1
57.5°	35.2	39.9	44.3	48.7	53.0	57.7	62.5	67.1	72.0	76.5	80.7
55°	36.3	41.1	45.7	50.1	54.3	59.2	63.9	68.6	73.2	77.4	81.8
52.5°	37.4	42.4	47.3	52.1	56.5	61.0	65.6	70.3	74.7	79.0	83.2
50°	38.7	43.8	48.8	53.6	58.5	63.1	67.6	72.1	76.4	80.7	84.8
47.5°	40.2	45.4	50.4	55.4	60.5	65.4	69.9	73.9	78.3	82.5	86.6
45°	41.8	47.1	52.3	57.4	62.6	67.6	72.5	76.5	80.4	84.5	88.6
42.5°	43.6	49.1	54.3	59.5	64.4	69.7	74.6	78.8	82.8	86.6	90.4
40°	45.5	51.2	56.8	62.3	67.2	71.7	76.6	81.1	85.1	88.9	92.4
37.5°	47.7	52.9	59.5	65.5	70.6	75.1	79.4	83.7	87.5	91.3	94.7
35°	51.4	57.2	63.1	69.0	74.5	79.2	83.1	87.0	90.7	94.0	97.3
32.5°	55.3	62.1	68.9	74.2	80.0	84.3	87.7	90.8	94.4	97.4	100.2
30°	63.8	68.0	73.7	80.2	86.0	92.2	93.5	95.7	98.5	101.3	103.5
27.5°	71.5	76.2	80.1	84.5	90.1	97.9	101.5	101.2	103.1	105.5	107.5
25°	77.7	83.9	87.7	90.9	94.7	100.3	106.7	107.4	108.5	110.1	111.8
22.5°	81.6	90.4	95.7	98.5	101.2	105.2	110.3	112.6	114.4	115.9	116.7
20°	84.6	97.9	103.8	111.9	111.6	110.6	115.7	121.6	124.0	122.8	122.1
17.5°	102.0	108.7	130.2	140.7	131.1	121.4	136.4	143.1	137.8	130.6	128.0
15°	138.2	159.1	177.3	181.7	182.4	179.5	175.3	171.7	156.3	141.6	147.4
12.5°	338.0	237.4	281.5	461.4	338.1	268.5	231.9	207.5	213.6	225.0	221.2
10°	1143.7	4273.5	3811.7	1811.9	685.2	385.6	627.1	566.1	436.3	356.1	307.7
7.5°	19037.4	16630.4	10432.1	5368.3	3798.4	2931.1	1941.2	1157.5	700.5	500.9	403.3
5°	40233.1	31330.4	21938.2	14591.5	9786.5	6250.5	3516.4	1842.8	990.1	653.8	509.6
2.5°	57896.4	44994.6	33545.0	24671.7	17294.8	11370.7	6734.7	4452.1	3215.6	2252.5	1385.9
0°	91527.2	74611.2	56661.1	43773.1	30005.1	20416.0	12170.0	8680.0	6377.0	4171.0	2281.0
-2.5°	102491.8	82015.3	66005.9	50242.3	35454.1	24593.6	16603.8	11718.1	7851.0	5092.1	2881.4
-5°	105413.7	87165.5	71441.4	55906.6	40908.5	28677.6	20207.9	14107.7	9282.1	5957.0	3402.0
-7.5°	113614.8	93290.5	76024.4	60362.0	45116.9	32096.6	22836.7	15800.6	10782.1	7014.8	3989.1
-10°	120791.2	99780.2	81105.5	63939.1	47655.4	34515.3	24505.6	17096.6	11950.6	7744.1	4392.4
-12.5°	126813.7	104502.2	83613.1	65639.6	48494.3	36149.3	25807.3	18168.0	12732.7	8071.6	4567.6
-15°	130331.4	107034.0	86316.5	66183.8	48944.1	36935.0	26853.4	19130.9	13190.4	7982.4	4477.4
-17.5°	130397.2	107284.3	87237.8	66155.9	50091.1	37268.9	27438.0	19440.3	13016.5	7742.7	4369.2
-20°	126575.8	104806.6	84272.6	65658.4	50251.1	37493.7	27194.7	18772.2	12244.3	7450.2	4665.1



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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°	121032.1	98754.0	79767.8	63291.9	48774.1	36868.4	26770.6	17978.1	10852.9	6823.1	4785.7
-25°	115104.2	92192.4	74655.3	59758.0	46356.9	35116.2	25498.6	16839.6	10444.5	6417.6	4747.0
-27.5°	106376.3	85779.3	69154.3	55519.7	43441.2	32820.5	23200.7	14958.1	9713.7	6576.0	4681.6
-30°	95767.2	78772.6	63720.2	50805.7	39653.7	29342.8	19716.6	13631.6	9237.7	6408.7	4640.0
-32.5°	85096.2	70452.1	57112.9	45313.9	34509.0	24474.0	17356.3	12081.8	8452.9	6150.7	4674.8
-35°	74308.6	61386.6	49881.3	38637.1	27898.3	20567.8	14764.5	10763.8	7725.8	5747.8	4652.4
-37.5°	63886.5	52137.8	41079.7	31061.2	23190.8	16990.5	12968.0	9647.4	6961.6	5567.7	4552.8
-40°	52326.9	41504.1	32958.4	25333.8	19559.1	14727.6	11367.3	8517.4	6707.5	5300.0	4376.1
-42.5°	41402.5	33341.9	26783.2	21584.8	16891.9	12963.3	9848.8	7860.1	6289.4	5077.4	4115.7
-45°	32792.8	27419.9	22468.1	18211.1	14311.8	11299.9	8767.1	7139.9	5841.6	4742.6	3795.7
-47.5°	26532.0	22355.5	18382.8	15141.5	12344.5	9889.8	7963.0	6436.6	5307.5	4314.3	3535.0
-50°	21116.8	18182.7	15359.3	12764.8	10624.9	8712.6	7088.7	5693.1	4721.3	3913.8	3214.1
-52.5°	17291.9	15083.7	12933.3	10850.4	9035.8	7499.6	6128.9	5035.3	4163.2	3481.9	2871.7
-55°	14369.0	12519.3	10699.8	9003.1	7503.2	6347.6	5289.2	4375.8	3639.3	3038.9	2524.2
-57.5°	11386.9	9917.7	8619.1	7386.9	6235.1	5297.7	4480.4	3742.5	3130.8	2631.4	2168.6
-60°	9029.1	7868.5	6924.1	6004.5	5114.1	4326.5	3728.1	3168.3	2651.0	2226.4	1842.5
-62.5°	7144.8	6309.3	5534.4	4819.8	4149.6	3549.5	3056.2	2614.8	2200.8	1831.1	1547.1
-65°	5540.3	4895.8	4296.5	3783.6	3295.9	2837.3	2442.6	2102.1	1802.3	1524.5	1280.2
-67.5°	4198.0	3714.9	3277.6	2893.2	2559.8	2237.2	1952.0	1685.1	1453.6	1241.7	1057.5
-70°	3167.8	2824.0	2513.8	2234.5	1980.2	1744.3	1532.7	1336.6	1148.6	988.1	860.0
-72.5°	2375.1	2129.9	1906.5	1706.0	1509.4	1334.2	1180.3	1042.1	910.8	787.4	691.3
-75°	1731.0	1568.2	1411.8	1271.5	1134.7	1002.4	895.8	809.0	726.7	649.4	582.7
-77.5°	1263.6	1153.9	1049.8	960.1	871.7	785.0	704.8	644.0	594.3	546.5	504.1
-80°	947.9	876.4	807.2	748.7	692.3	638.3	588.7	548.4	509.4	474.5	445.6
-82.5°	731.0	683.9	638.1	603.0	568.5	534.8	502.4	476.5	451.7	428.2	406.9
-85°	589.3	557.6	526.4	503.8	481.5	459.6	438.4	422.8	407.7	393.3	379.6
-87.5°	488.2	468.0	448.0	433.8	419.6	405.6	391.8	382.6	373.5	364.6	355.9
-90°	30.0	34.0	38.0	42.3	46.5	50.8	55.0	59.5	64.0	68.5	73.0



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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°	329.8	325.5	321.3	317.0	306.5	296.0	285.5	275.0	258.7	242.5	226.2
87.5°	77.0	81.0	85.0	89.0	92.5	96.0	99.5	103.0	106.0	109.0	112.0
85°	77.2	81.2	85.2	89.1	92.6	96.1	99.6	103.1	106.1	109.1	112.1
82.5°	77.4	81.4	85.4	89.3	92.8	96.3	99.8	103.2	106.2	109.2	112.2
80°	77.7	81.7	85.7	89.6	93.1	96.5	100.0	103.4	106.4	109.3	112.3
77.5°	78.1	82.1	86.1	89.9	93.4	96.8	100.3	103.6	106.6	109.5	112.5
75°	78.6	82.6	86.5	90.3	93.8	97.2	100.6	103.9	106.8	109.8	112.7
72.5°	78.7	83.0	87.1	90.8	94.2	97.6	101.0	104.2	107.1	110.0	112.9
70°	79.3	83.5	87.7	91.3	94.7	98.1	101.5	104.6	107.5	110.3	113.2
67.5°	80.1	84.3	88.4	91.9	95.3	98.7	102.0	105.0	107.9	110.7	113.5
65°	81.0	85.2	89.3	92.6	96.0	99.3	102.6	105.5	108.3	111.1	113.9
62.5°	82.0	86.2	90.1	93.4	96.7	100.0	103.3	106.0	108.8	111.5	114.3
60°	83.2	87.3	91.0	94.3	97.6	100.8	103.9	106.6	109.3	112.0	114.7
57.5°	84.6	88.5	91.9	95.2	98.5	101.7	104.7	107.3	109.9	112.5	115.1
55°	85.9	89.7	93.0	96.2	99.4	102.6	105.5	108.2	110.6	113.1	115.5
52.5°	87.3	91.0	94.4	97.4	100.5	103.5	106.5	109.1	111.4	113.7	115.9
50°	88.9	92.4	95.8	99.0	101.7	104.5	107.5	110.1	112.4	114.4	116.3
47.5°	90.4	93.9	97.3	100.5	103.3	105.5	108.5	111.2	113.4	115.3	116.9
45°	92.1	95.5	98.8	102.0	104.8	106.8	109.4	112.4	114.5	116.2	117.4
42.5°	93.9	97.2	100.4	103.5	106.1	108.2	110.3	113.3	115.7	117.0	118.1
40°	95.8	99.0	102.1	105.0	107.5	109.6	111.5	114.2	116.9	117.9	118.9
37.5°	97.8	100.9	103.9	106.6	109.0	111.0	112.8	115.0	117.9	118.9	119.7
35°	100.2	102.9	105.7	108.4	110.6	112.5	114.0	116.0	118.6	119.9	120.5
32.5°	103.0	105.2	107.7	110.1	112.4	114.1	115.4	117.4	119.6	120.9	121.3
30°	106.0	108.0	109.9	112.0	114.3	115.8	117.2	119.0	120.6	122.0	122.1
27.5°	109.3	111.0	112.3	114.1	116.1	117.7	119.5	120.7	121.8	123.0	123.0
25°	113.1	114.3	115.2	116.4	117.9	120.9	122.0	122.6	123.3	124.1	124.0
22.5°	117.4	117.9	118.2	118.8	122.2	124.4	124.8	124.8	124.9	125.2	124.9
20°	121.8	121.8	122.8	125.5	127.3	128.2	127.8	127.1	126.6	126.4	125.9
17.5°	126.5	133.5	136.3	134.3	133.1	132.5	131.0	129.5	128.4	127.6	126.9
15°	159.1	158.5	152.6	144.7	139.4	137.1	134.4	132.0	130.2	128.9	128.9
12.5°	206.6	188.1	171.3	156.3	146.0	142.0	137.9	134.5	132.1	132.2	132.3
10°	261.2	221.2	191.7	168.9	152.9	147.1	141.5	139.9	138.1	137.0	135.8
7.5°	320.8	256.7	213.2	181.9	168.6	166.7	160.1	151.6	144.8	142.0	139.4
5°	444.5	379.6	327.3	277.8	233.3	202.7	181.9	163.7	151.6	147.0	142.9
2.5°	835.9	640.5	502.6	389.0	300.2	239.5	204.1	175.9	158.3	152.0	146.5
0°	1229.0	902.0	678.0	500.0	367.0	276.0	226.0	188.0	165.0	157.0	150.0
-2.5°	1582.8	1188.0	919.2	720.1	541.6	398.9	300.2	233.3	191.4	173.1	161.0
-5°	1916.5	1461.9	1153.5	932.6	709.7	517.1	371.7	277.0	217.1	188.9	171.8
-7.5°	2271.9	1737.6	1385.7	1133.8	867.6	627.1	438.7	318.1	241.6	204.2	182.2
-10°	2596.8	2003.1	1614.6	1318.6	1015.1	733.5	503.1	355.5	264.5	218.7	192.3
-12.5°	2869.5	2242.4	1826.3	1487.9	1148.2	835.8	583.4	405.0	287.8	232.4	201.9
-15°	3081.9	2451.6	2018.1	1639.7	1264.2	925.7	654.0	456.3	324.7	250.1	210.9
-17.5°	3251.3	2627.4	2187.4	1771.8	1360.8	1001.8	713.4	500.3	357.0	272.3	222.9
-20°	3493.9	2788.8	2330.8	1882.5	1436.2	1062.6	760.2	536.1	383.9	292.1	236.8



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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°	3635.4	2932.5	2437.9	1960.4	1493.5	1107.0	793.2	562.8	404.9	308.9	249.2
-25°	3653.2	3036.4	2517.5	2008.4	1535.8	1141.5	817.7	579.8	419.3	322.7	260.1
-27.5°	3688.6	3100.1	2569.2	2028.7	1559.1	1157.0	835.0	596.3	430.1	333.1	269.2
-30°	3719.9	3130.8	2573.4	2025.3	1559.7	1159.1	838.6	603.7	441.9	342.4	276.5
-32.5°	3784.3	3128.5	2539.3	2006.9	1545.5	1145.7	834.1	601.0	448.7	350.5	283.1
-35°	3803.2	3089.5	2473.5	1961.0	1513.6	1134.2	825.8	588.1	450.4	356.0	288.6
-37.5°	3734.2	3005.8	2395.7	1895.7	1460.8	1106.4	813.5	586.7	446.8	358.6	292.8
-40°	3573.1	2880.7	2301.4	1815.6	1406.8	1062.5	788.0	583.8	444.9	358.4	295.6
-42.5°	3351.8	2732.5	2186.2	1713.0	1340.3	1019.3	752.5	571.3	444.2	358.7	297.1
-45°	3137.1	2551.8	2041.1	1615.1	1258.5	961.1	726.8	551.6	438.7	358.7	298.0
-47.5°	2884.2	2347.3	1880.9	1488.4	1173.3	895.5	689.4	538.2	428.2	356.9	298.9
-50°	2610.7	2120.9	1701.5	1356.9	1065.5	837.2	647.0	518.4	422.1	352.6	298.4
-52.5°	2333.3	1878.8	1518.2	1212.8	970.2	765.7	614.6	493.8	412.6	347.9	296.8
-55°	2041.6	1642.7	1331.2	1079.8	868.9	708.6	574.8	476.9	399.7	342.1	294.1
-57.5°	1772.8	1412.4	1163.5	949.5	783.1	649.7	541.2	456.0	387.9	334.3	291.6
-60°	1503.0	1228.7	1000.1	841.6	706.1	595.4	510.1	433.9	374.8	325.5	287.3
-62.5°	1282.0	1047.6	877.8	743.9	634.8	547.7	476.8	414.1	359.6	318.4	281.8
-65°	1081.8	906.7	758.8	657.2	568.9	499.1	447.5	391.8	348.1	310.4	276.1
-67.5°	894.5	770.1	657.8	570.4	510.9	460.6	415.0	375.0	337.0	301.5	271.2
-70°	746.8	643.3	566.1	510.8	463.4	422.4	393.3	360.2	324.9	294.7	265.7
-72.5°	622.5	559.1	501.3	455.0	426.6	399.4	373.3	345.5	315.9	287.3	259.8
-75°	528.1	488.4	453.9	424.6	399.6	376.0	356.4	334.2	306.4	279.5	255.1
-77.5°	472.2	443.0	416.6	396.5	378.2	360.0	341.9	322.2	297.0	273.4	250.6
-80°	426.8	409.1	392.4	376.7	360.1	343.6	328.3	311.9	289.2	267.1	245.7
-82.5°	393.2	381.3	370.2	359.1	344.9	330.7	316.5	301.8	280.9	260.4	240.8
-85°	370.4	361.3	352.5	343.6	330.6	317.6	304.9	292.2	273.3	254.7	236.2
-87.5°	349.3	342.8	336.4	330.1	318.5	306.9	295.3	283.7	266.2	248.7	231.3
-90°	77.0	81.0	85.0	89.0	92.5	96.0	99.5	103.0	106.0	109.0	112.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	210.0	192.7	175.5	158.2	141.0	133.5	126.0
87.5°	115.0	117.2	119.4	121.7	123.9	125.0	126.0
85°	115.0	117.2	119.4	121.6	123.8	125.0	126.0
82.5°	115.1	117.2	119.3	121.5	123.8	124.9	126.0
80°	115.2	117.2	119.3	121.5	123.7	124.9	126.0
77.5°	115.3	117.3	119.3	121.4	123.6	124.9	126.0
75°	115.4	117.4	119.3	121.4	123.6	124.9	126.0
72.5°	115.6	117.6	119.5	121.4	123.5	124.9	126.0
70°	115.8	117.8	119.7	121.4	123.5	124.9	126.0
67.5°	116.0	118.0	119.9	121.6	123.4	124.9	126.0
65°	116.2	118.3	120.1	121.8	123.4	124.9	126.0
62.5°	116.5	118.5	120.4	122.0	123.4	124.9	126.0
60°	116.7	118.7	120.7	122.2	123.4	124.9	126.0
57.5°	117.0	119.0	120.9	122.5	123.5	124.9	126.0
55°	117.4	119.2	121.1	122.7	123.7	124.9	126.0
52.5°	117.7	119.5	121.3	123.0	123.8	125.0	126.0
50°	118.1	119.8	121.6	123.2	124.0	125.0	126.0
47.5°	118.5	120.1	121.8	123.5	124.1	125.0	126.0
45°	118.9	120.5	122.1	123.7	124.3	125.0	126.0
42.5°	119.5	120.8	122.4	123.9	124.4	125.1	126.0
40°	120.0	121.2	122.7	124.1	124.6	125.1	126.0
37.5°	120.6	121.6	123.0	124.3	124.8	125.1	126.0
35°	121.2	122.0	123.3	124.6	124.9	125.2	126.0
32.5°	121.9	122.6	123.6	124.9	125.1	125.2	126.0
30°	122.6	123.1	124.0	125.2	125.2	125.3	126.0
27.5°	123.3	123.6	124.6	125.5	125.4	125.3	126.0
25°	124.0	124.2	125.3	125.9	125.5	125.4	126.0
22.5°	124.7	125.0	126.0	126.2	125.7	125.4	126.0
20°	125.4	126.4	126.8	126.6	125.9	125.5	126.0
17.5°	127.0	127.9	127.6	127.1	126.0	125.6	126.0
15°	129.3	129.4	128.5	127.5	126.2	125.6	126.0
12.5°	131.7	131.0	129.4	127.9	126.3	125.7	126.0
10°	134.1	132.6	130.3	128.3	126.4	125.7	126.0
7.5°	136.6	134.2	131.3	128.8	126.6	125.8	126.0
5°	139.1	135.8	132.2	129.2	126.7	125.9	126.0
2.5°	141.6	137.4	133.1	129.6	126.9	125.9	126.0
0°	144.0	139.0	134.0	130.0	127.0	126.0	126.0
-2.5°	151.6	143.4	136.8	131.8	128.0	126.4	126.0
-5°	159.0	147.7	139.6	133.6	129.1	126.9	126.0
-7.5°	166.2	151.9	142.3	135.4	130.1	127.3	126.0
-10°	173.1	156.0	144.9	137.1	131.1	127.7	126.0
-12.5°	179.5	159.8	147.4	138.8	132.1	128.2	126.0
-15°	185.4	163.5	149.9	140.5	133.1	128.6	126.0
-17.5°	190.7	166.9	152.2	142.0	134.0	129.0	126.0
-20°	197.1	170.0	154.4	143.5	134.9	129.4	126.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	205.7	172.9	156.5	144.9	135.8	129.8	126.0
-25°	213.5	178.1	158.5	146.3	136.7	130.1	126.0
-27.5°	220.5	183.9	160.3	147.5	137.5	130.5	126.0
-30°	226.6	189.3	162.1	148.7	138.2	130.8	126.0
-32.5°	231.7	194.0	165.9	149.7	138.9	131.2	126.0
-35°	236.9	198.1	169.4	150.7	139.6	131.5	126.0
-37.5°	241.5	201.9	172.4	151.5	140.2	131.8	126.0
-40°	245.2	205.5	175.1	152.2	140.8	132.1	126.0
-42.5°	248.0	208.5	177.5	153.3	141.3	132.3	126.0
-45°	249.9	210.8	179.6	154.9	141.7	132.6	126.0
-47.5°	250.8	212.6	181.4	156.2	142.1	132.8	126.0
-50°	251.7	213.8	182.9	157.6	142.5	133.0	126.0
-52.5°	251.9	214.3	184.0	158.8	142.8	133.2	126.0
-55°	251.3	214.8	184.7	159.9	143.0	133.3	126.0
-57.5°	249.9	214.8	185.1	160.8	143.2	133.5	126.0
-60°	247.7	214.4	185.2	161.5	143.3	133.6	126.0
-62.5°	245.9	213.4	185.6	162.0	143.4	133.7	126.0
-65°	243.4	212.1	185.7	162.4	143.4	133.8	126.0
-67.5°	240.4	210.8	185.5	162.6	143.4	133.8	126.0
-70°	236.7	209.8	185.1	162.6	143.3	133.9	126.0
-72.5°	234.1	208.4	184.5	162.5	143.2	133.9	126.0
-75°	231.4	206.7	183.7	162.3	143.0	133.9	126.0
-77.5°	228.3	204.8	182.7	161.9	142.8	133.9	126.0
-80°	224.8	202.7	181.6	161.4	142.5	133.8	126.0
-82.5°	221.4	200.5	180.3	160.8	142.2	133.8	126.0
-85°	217.9	198.1	178.9	160.1	141.8	133.7	126.0
-87.5°	214.0	195.5	177.3	159.2	141.4	133.6	126.0
-90°	115.0	117.2	119.5	121.7	124.0	125.0	126.0

(END OF REPORT)