

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: P1306168 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-80-3S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306168 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-530N-40-80-3S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

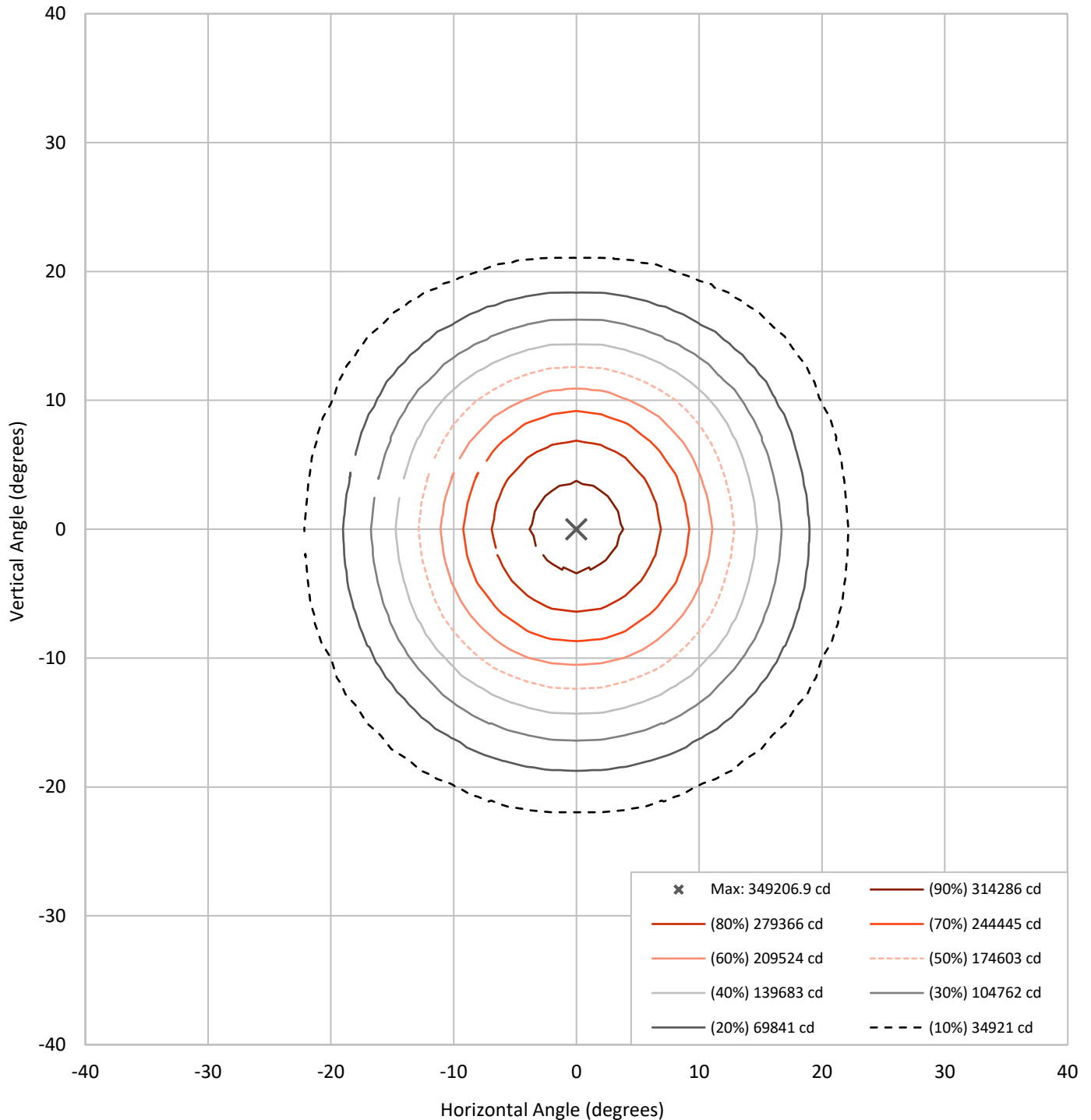
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	78456.4 lumens	Max Intensity:	349206.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	37538.1 lumens	Field Lumens:	65776 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%

Input Watts (W): 554
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



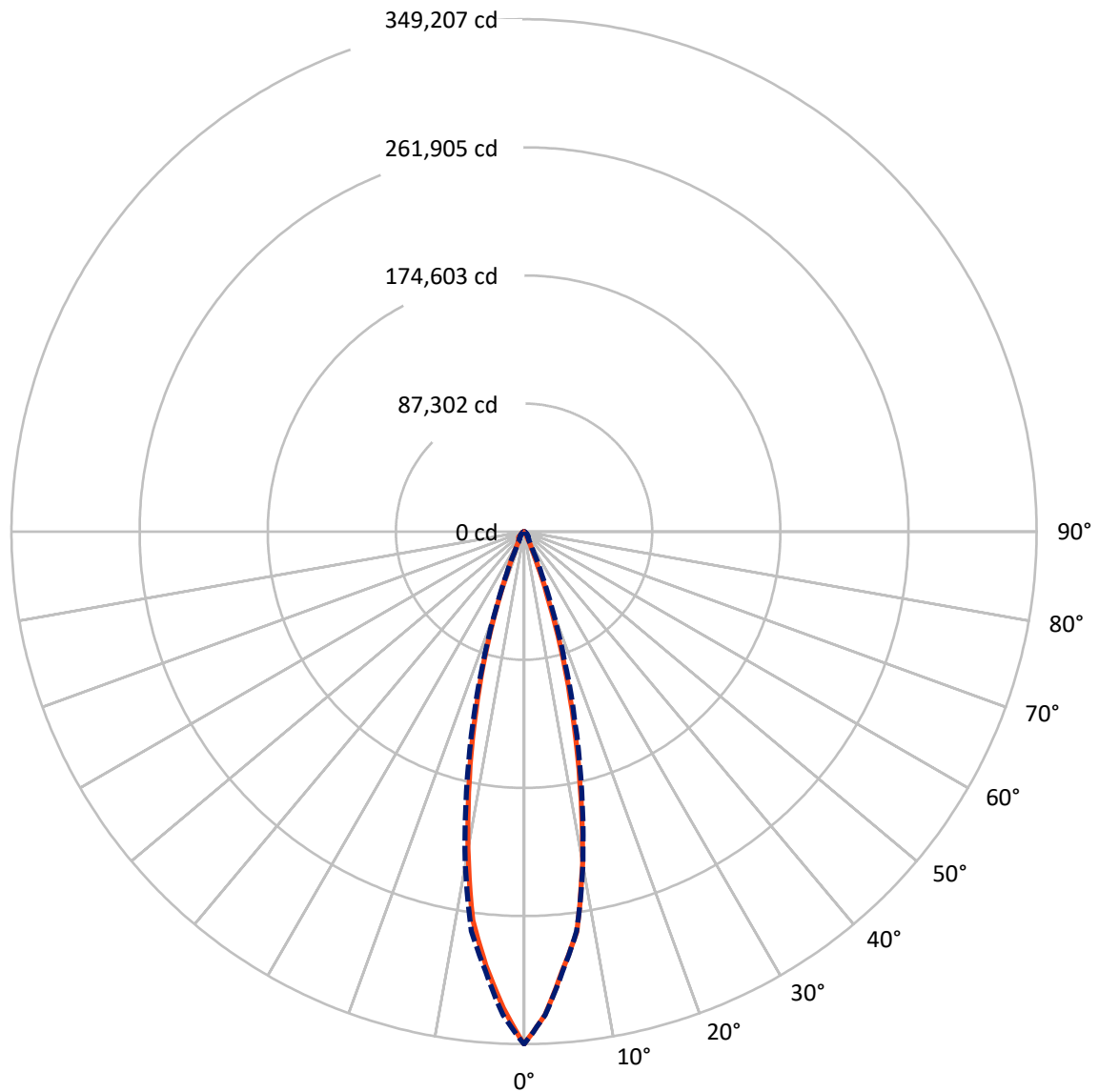
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Lumen Table

90	0.2	0.6	1.2	1.8	2.2	1.8	1.2	0.6	0.2										
80	0.2	0.6	1.2	1.8	2.2	1.8	1.2	0.6	0.2										
70	0.2	0.1	0.2	0.6	0.7	0.6	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.2	0.1	0.2			
60		0.4	0.8	1.0	0.9	0.9	1.1	1.3	1.3	1.1	0.9	0.9	1.0	0.8	0.4				
50	0.7	1.1	2.6	5.5	10.1	17.3	24.6	27.9	27.9	24.6	17.3	10.1	5.5	2.6	1.1	0.7			
40		2.7	8.3	17.2	32.3	53.6	64.8	76.1	76.1	64.8	53.6	32.3	17.2	8.3	2.7				
30	1.8	4.6	14.0	30.7	68.8	88.5	191.1	418.0	418.0	191.1	88.5	68.8	30.7	14.0	4.6	1.8			
20		6.0	18.4	49.9	98.7	238.7	1438.0	3476.5	3476.5	1438.0	238.7	98.7	49.9	18.4	6.0				
10	2.6	7.2	21.3	63.6	119.6	529.9	3492.6	7955.2	7955.2	3492.6	529.9	119.6	63.6	21.3	7.2	2.6			
0		8.0	23.5	67.3	132.5	546.1	3513.8	7872.6	7872.6	3513.8	546.1	132.5	67.3	23.5	8.0				
-10	2.9	8.1	24.2	65.0	132.0	292.8	1499.4	3508.9	3508.9	1499.4	292.8	132.0	65.0	24.2	8.1	2.9			
-20		7.5	23.1	51.4	118.8	179.4	310.8	591.1	591.1	310.8	179.4	118.8	51.4	23.1	7.5				
-30	2.4	6.4	19.8	41.1	82.1	143.5	177.1	196.6	196.6	177.1	143.5	82.1	41.1	19.8	6.4	2.4			
-40		4.9	15.1	31.9	52.0	76.7	112.4	140.0	140.0	112.4	76.7	52.0	31.9	15.1	4.9				
-50	2.0	3.3	9.8	20.8	35.0	47.6	57.8	64.1	64.1	57.8	47.6	35.0	20.8	9.8	3.3	2.0			
-60		2.3	5.2	10.7	18.2	25.1	31.7	35.7	35.7	31.7	25.1	18.2	10.7	5.2	2.3				
-70	1.4	8.6	19.9	32.4	39.7	32.4	19.9	8.6	1.4							1.4			
-80		8.6	19.9	32.4	39.7	32.4	19.9	8.6	1.4										
-90	1.4	8.6	19.9	32.4	39.7	32.4	19.9	8.6	1.4										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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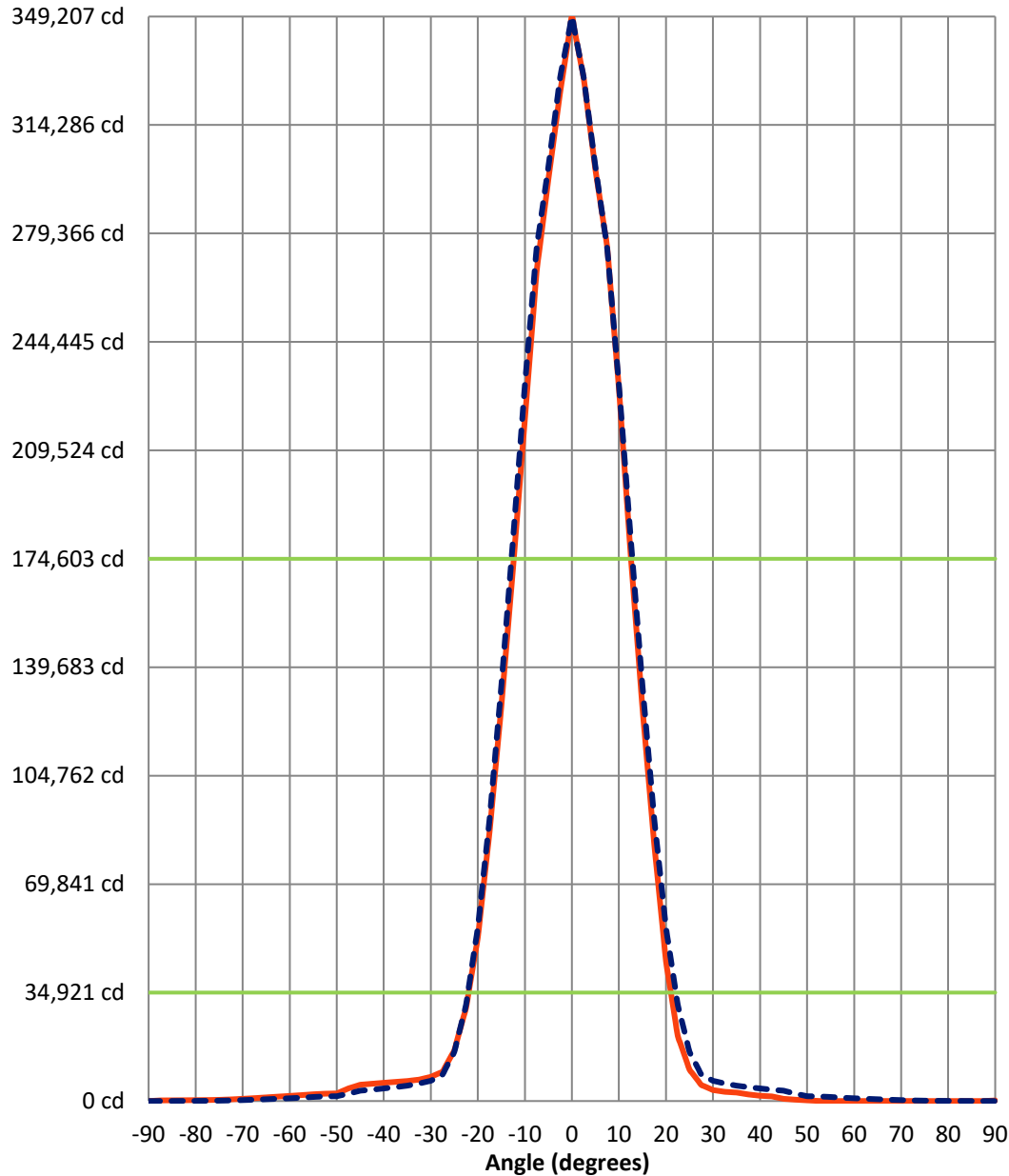
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 25.7°
V Angle: 24.9°
Lumens: 37538.1
Efficiency: 47.8%

Field:
H Angle: 44.2°
V Angle: 43°
Lumens: 65776
Efficiency: 83.8%

Spill:
Lumens: 12680.4
Efficiency: 16.2%

— 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°	2.8	11.7	20.6	33.2	45.8	56.5	67.3	75.3	83.2	89.8	96.3
87.5°	2.8	3.0	3.0	3.0	3.1	3.1	3.0	2.8	2.5	2.4	2.3
85°	2.8	3.2	3.1	3.3	3.5	3.4	3.3	3.2	3.1	2.9	2.7
82.5°	2.8	3.5	3.3	3.5	3.8	3.7	3.5	3.6	3.7	3.4	3.1
80°	2.8	3.7	3.5	3.8	4.1	4.0	3.8	4.0	4.1	3.8	3.5
77.5°	2.8	3.9	3.7	4.0	4.4	4.4	4.3	4.4	4.5	4.2	3.9
75°	2.8	4.2	3.9	4.3	4.8	5.0	4.9	4.9	4.9	4.8	4.4
72.5°	2.8	4.4	4.1	4.5	5.3	5.5	5.4	5.5	5.6	5.4	5.0
70°	2.8	4.6	4.4	4.8	5.8	6.1	6.1	6.5	6.4	6.1	6.3
67.5°	2.8	4.9	4.6	5.4	6.4	6.7	7.2	7.5	7.3	7.8	7.8
65°	2.8	5.1	4.9	5.9	7.0	7.6	8.4	8.5	9.3	9.5	9.5
62.5°	2.8	5.3	5.2	6.5	7.6	8.8	9.7	10.3	11.4	11.5	11.5
60°	2.8	5.6	5.6	7.1	8.2	10.1	11.0	12.5	13.6	13.9	13.7
57.5°	2.8	5.8	6.2	7.7	9.4	11.4	13.1	14.8	16.6	16.8	18.6
55°	2.8	6.1	6.8	8.3	10.7	12.8	15.3	17.3	19.9	21.0	25.1
52.5°	2.8	6.3	7.5	8.9	12.1	14.3	17.5	20.7	23.6	29.0	32.2
50°	2.8	6.6	8.2	9.5	13.4	16.4	19.8	24.4	28.8	37.7	45.3
47.5°	2.8	6.9	8.9	10.2	14.8	18.6	22.3	28.3	37.6	47.1	61.0
45°	2.8	7.1	9.6	11.3	16.3	20.9	25.8	32.3	46.8	63.1	78.4
42.5°	2.8	7.4	10.3	12.4	17.7	23.2	29.3	38.9	56.4	80.4	105.1
40°	2.8	7.6	11.1	13.8	19.4	25.6	33.2	47.6	68.5	98.9	135.2
37.5°	2.8	7.9	11.8	15.3	21.3	28.1	37.4	56.4	85.4	120.9	167.4
35°	2.8	8.2	12.6	16.9	23.2	31.2	41.7	65.3	103.0	149.2	203.4
32.5°	2.8	8.4	13.3	18.4	25.1	34.6	47.2	74.7	121.3	177.7	239.2
30°	2.8	8.7	14.1	20.0	27.0	38.1	54.9	85.6	140.1	206.3	272.6
27.5°	2.8	8.9	14.9	21.5	29.4	41.5	62.6	99.9	159.1	234.8	303.7
25°	2.8	9.2	15.6	23.1	31.8	44.9	70.1	113.4	178.4	261.5	332.7
22.5°	2.8	9.4	16.4	24.6	34.2	48.3	77.4	126.0	196.1	279.6	364.2
20°	2.8	9.6	17.1	26.1	36.6	51.9	84.5	137.8	212.1	296.4	389.7
17.5°	2.8	9.9	17.9	27.6	38.8	55.3	91.1	148.7	226.4	311.9	413.5
15°	2.8	10.1	18.6	29.0	41.0	58.5	97.2	158.6	239.0	325.9	436.2
12.5°	2.8	10.3	19.3	30.4	43.2	61.5	102.8	167.3	251.9	338.5	457.3
10°	2.8	10.5	20.0	31.7	45.2	64.4	107.9	175.2	265.1	357.2	480.3
7.5°	2.8	10.7	20.6	33.0	47.2	67.1	112.6	182.2	277.2	376.1	509.2
5°	2.8	10.9	21.3	34.3	49.0	69.5	116.7	188.2	288.2	393.8	535.9
2.5°	2.8	11.1	21.8	35.4	50.8	71.8	120.4	193.2	297.7	410.0	560.1
0°	2.8	11.2	22.4	36.5	52.4	73.9	123.4	197.3	305.7	424.4	581.5
-2.5°	2.8	11.7	23.4	38.1	54.7	77.0	127.4	204.0	314.7	434.2	591.4
-5°	2.8	12.1	24.4	39.6	56.9	79.9	130.7	209.6	321.9	441.8	598.2
-7.5°	2.8	12.5	25.3	41.1	59.0	82.5	133.5	213.9	327.1	447.3	601.8
-10°	2.8	12.9	26.1	42.4	60.9	84.9	135.6	216.9	330.4	450.6	602.3
-12.5°	2.8	13.3	26.9	43.7	62.6	87.1	137.0	218.5	331.6	451.6	601.0
-15°	2.8	13.7	27.7	44.8	64.2	89.0	137.8	218.7	329.7	448.8	596.3
-17.5°	2.8	14.0	28.4	45.8	65.7	90.6	137.9	216.7	324.3	443.5	587.5
-20°	2.8	14.3	29.0	46.8	66.9	91.9	137.4	213.0	317.0	435.7	574.4



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 CATALOG NUMBER: EPH-08-530N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.8	14.6	29.6	47.6	68.0	93.0	136.3	208.0	307.8	425.2	557.2
-25°	2.8	14.9	30.1	48.2	68.9	93.9	134.5	201.7	296.7	412.2	539.1
-27.5°	2.8	15.1	30.5	48.8	69.6	94.7	132.0	194.1	283.8	400.5	526.1
-30°	2.8	15.3	30.9	49.2	70.1	95.2	128.8	185.2	273.2	387.5	510.5
-32.5°	2.8	15.5	31.2	49.6	70.8	95.4	124.9	179.4	264.2	372.4	491.8
-35°	2.8	15.7	31.4	49.7	71.3	95.3	123.5	174.5	252.9	355.2	470.1
-37.5°	2.8	15.8	31.6	49.8	71.6	95.2	123.1	168.9	239.2	336.0	447.2
-40°	2.8	15.9	31.6	49.7	71.8	95.4	122.3	162.2	223.1	317.2	421.4
-42.5°	2.8	15.9	31.7	49.6	71.8	95.4	121.3	154.2	211.1	294.7	391.5
-45°	2.8	16.0	31.6	49.5	71.7	95.1	119.7	148.2	200.6	269.6	358.6
-47.5°	2.8	16.0	31.5	49.3	71.4	94.6	117.8	145.9	188.7	242.7	327.9
-50°	2.8	15.9	31.3	49.2	71.0	93.9	116.5	143.0	174.6	226.6	294.8
-52.5°	2.8	15.9	31.0	49.0	70.3	93.0	115.0	139.5	166.9	209.4	260.7
-55°	2.8	15.8	30.7	48.7	69.4	91.6	113.2	135.8	161.8	190.9	238.9
-57.5°	2.8	15.7	30.3	48.2	68.3	89.9	111.1	133.2	156.2	181.6	216.1
-60°	2.8	15.5	29.8	47.6	67.0	88.1	108.7	130.0	150.6	174.7	197.2
-62.5°	2.8	15.3	29.4	46.9	66.0	86.0	106.2	126.3	146.1	167.1	187.8
-65°	2.8	15.1	28.9	46.1	64.8	83.7	103.4	122.4	141.2	160.2	177.8
-67.5°	2.8	14.9	28.3	45.2	63.5	81.4	100.3	118.4	135.9	153.5	169.5
-70°	2.8	14.6	27.6	44.1	61.9	79.1	97.0	114.1	130.8	146.5	161.7
-72.5°	2.8	14.3	26.9	43.1	60.3	76.6	93.6	109.6	125.3	139.7	153.6
-75°	2.8	14.0	26.2	42.0	58.4	73.9	89.9	104.7	119.6	132.5	145.2
-77.5°	2.8	13.7	25.4	40.7	56.6	71.0	86.0	99.6	113.3	125.0	136.4
-80°	2.8	13.3	24.5	39.4	54.7	68.2	81.9	94.2	106.7	117.2	127.6
-82.5°	2.8	13.0	23.6	38.0	52.6	65.5	78.4	89.1	99.9	109.3	118.6
-85°	2.8	12.6	22.6	36.5	50.5	62.6	74.8	84.6	94.4	102.4	110.3
-87.5°	2.8	12.1	21.6	34.9	48.2	59.6	71.1	80.0	88.9	96.1	103.3
-90°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.4	1.9	1.9	1.9



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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°	101.5	106.6	111.3	115.9	120.1	124.3	130.0	135.6	139.8	144.0	148.2
87.5°	2.3	2.3	2.4	2.4	2.2	1.9	1.9	1.9	1.8	1.7	1.7
85°	2.7	2.8	2.8	2.8	2.5	2.2	2.2	2.3	2.3	2.4	2.2
82.5°	3.1	3.2	3.1	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.5
80°	3.6	3.7	3.4	3.1	3.2	3.3	3.2	2.9	2.8	2.9	3.0
77.5°	3.9	3.8	3.6	3.6	3.7	3.9	3.9	3.8	3.8	3.6	3.7
75°	4.2	3.9	4.0	3.8	3.9	4.4	4.7	4.7	4.5	4.4	4.4
72.5°	4.9	4.9	4.7	4.2	4.3	4.7	4.7	4.7	5.8	7.7	9.3
70°	6.1	6.0	5.7	5.3	5.1	5.5	7.1	9.7	12.5	15.2	17.7
67.5°	7.4	7.3	6.8	6.8	7.7	9.3	11.3	17.9	24.8	27.2	27.6
65°	8.8	8.6	8.7	9.7	11.0	15.7	21.7	29.7	36.3	35.9	33.1
62.5°	10.4	11.6	11.7	14.0	18.5	24.2	31.2	38.0	43.9	41.1	34.3
60°	14.8	15.6	17.8	22.0	26.8	32.4	39.7	42.0	43.4	42.3	33.2
57.5°	20.4	22.8	27.2	31.2	36.9	39.4	40.0	39.6	42.1	40.4	31.2
55°	28.5	32.7	38.6	42.7	46.1	41.2	40.7	43.2	42.9	39.3	30.3
52.5°	40.8	45.1	53.4	56.5	53.8	50.0	48.6	51.0	49.1	44.2	38.3
50°	54.0	64.6	70.1	72.5	67.7	67.2	62.3	65.4	68.1	65.6	73.9
47.5°	74.3	87.0	91.0	95.4	93.1	101.6	97.3	113.4	114.5	161.5	175.6
45°	98.7	115.7	120.4	131.7	144.1	159.1	184.9	191.8	269.1	316.2	371.8
42.5°	128.1	149.5	168.8	175.3	230.8	261.0	299.7	371.7	443.6	502.7	544.2
40°	165.9	187.8	228.6	277.3	336.3	387.6	461.6	544.8	613.4	658.8	680.2
37.5°	207.6	250.3	303.7	382.5	454.3	519.5	614.0	697.4	758.2	800.2	805.6
35°	252.4	313.0	400.5	480.3	554.5	642.7	736.6	832.4	882.2	900.3	977.6
32.5°	304.5	374.1	477.7	564.4	647.9	747.9	847.7	930.5	974.5	1025.6	1287.1
30°	353.9	438.1	541.3	633.4	736.9	850.8	946.2	1024.3	1054.7	1323.3	1746.3
27.5°	393.4	493.7	597.3	708.4	827.2	957.4	1053.7	1104.4	1278.6	1676.1	2287.6
25°	430.1	538.1	653.8	792.6	927.7	1056.8	1154.7	1187.2	1549.5	2223.6	2679.4
22.5°	466.0	581.3	716.2	881.7	1020.1	1140.6	1222.5	1418.7	1937.9	2791.6	3028.3
20°	501.9	632.5	784.0	949.1	1101.6	1214.2	1277.1	1662.8	2409.6	3009.9	3276.1
17.5°	536.6	684.1	846.2	1005.7	1159.6	1273.7	1355.0	1868.8	2783.1	3205.8	3467.8
15°	570.3	728.1	894.2	1058.9	1215.9	1325.7	1546.4	2170.9	3015.2	3442.6	3719.4
12.5°	602.6	765.7	929.6	1105.1	1270.4	1376.3	1745.0	2537.1	3257.3	3676.1	3975.2
10°	633.1	797.3	960.4	1147.2	1321.0	1420.4	1931.3	2879.2	3478.9	3842.2	4113.4
7.5°	663.9	825.9	988.2	1185.2	1368.8	1460.4	2088.9	3066.4	3565.9	3951.9	4210.8
5°	691.1	852.2	1021.1	1232.2	1415.0	1497.3	2222.0	3192.4	3593.5	4006.8	4280.9
2.5°	714.4	874.1	1049.9	1276.0	1456.7	1530.8	2312.7	3288.4	3626.8	4045.8	4368.1
0°	733.9	891.8	1074.1	1313.5	1492.0	1561.2	2372.7	3340.2	3647.8	4062.9	4464.8
-2.5°	748.2	915.4	1112.8	1345.3	1521.0	1592.9	2391.6	3362.5	3678.4	4157.2	4681.9
-5°	758.8	934.3	1145.2	1370.6	1544.6	1622.1	2378.0	3341.8	3715.0	4244.3	4819.8
-7.5°	765.4	947.9	1170.1	1389.5	1564.4	1655.0	2337.5	3317.9	3829.5	4353.5	4889.2
-10°	768.4	955.0	1173.9	1396.6	1580.1	1688.0	2268.2	3237.4	3912.3	4395.3	4895.0
-12.5°	771.1	956.4	1169.3	1395.4	1590.0	1718.2	2181.0	3140.7	3988.5	4410.9	4859.5
-15°	768.7	953.5	1158.9	1386.7	1602.5	1756.3	2069.5	2961.3	4022.5	4394.4	4793.0
-17.5°	761.0	946.2	1144.7	1375.5	1610.5	1791.7	1923.4	2684.8	3839.7	4343.8	4742.3
-20°	747.7	932.9	1124.3	1354.1	1606.1	1807.1	1919.7	2482.5	3456.6	4244.1	4666.9



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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°	730.3	914.1	1100.0	1325.6	1580.8	1800.8	1946.4	2259.5	3022.4	4098.0	4553.4
-25°	709.7	890.3	1075.0	1294.9	1545.6	1788.7	1961.2	2054.0	2663.5	3603.2	4373.0
-27.5°	686.1	862.0	1046.5	1254.1	1499.5	1752.7	1937.2	2059.8	2371.8	3037.4	4099.0
-30°	658.1	829.2	1009.7	1206.6	1443.1	1684.8	1896.3	2052.3	2143.5	2651.2	3504.7
-32.5°	626.5	791.5	967.8	1161.1	1379.4	1611.7	1835.3	2004.0	2129.0	2295.3	2945.3
-35°	596.3	753.0	921.3	1109.9	1311.1	1529.3	1739.1	1938.2	2094.9	2202.0	2466.3
-37.5°	569.7	711.0	872.7	1054.2	1248.0	1434.7	1635.3	1840.4	2020.1	2168.1	2261.7
-40°	539.2	665.8	822.6	994.1	1166.7	1339.2	1526.5	1722.4	1920.3	2082.9	2225.5
-42.5°	505.0	627.6	768.0	924.2	1082.8	1245.7	1412.4	1598.0	1784.5	1969.9	2120.3
-45°	467.1	585.1	709.8	850.2	994.1	1147.7	1305.7	1466.1	1642.5	1817.5	1982.1
-47.5°	424.5	537.8	656.7	771.4	904.9	1045.9	1193.4	1344.7	1495.7	1656.4	1815.3
-50°	380.0	485.1	594.9	699.9	814.1	942.4	1077.8	1218.7	1361.1	1495.9	1635.7
-52.5°	338.7	427.8	528.2	628.9	729.1	838.3	960.7	1087.9	1219.7	1350.9	1469.2
-55°	294.2	374.3	457.8	552.7	648.6	743.0	842.4	957.5	1069.4	1190.2	1306.3
-57.5°	261.0	319.8	393.0	472.0	561.7	653.0	741.0	827.7	925.3	1026.2	1128.7
-60°	234.4	275.7	331.7	399.0	469.6	553.9	640.4	720.4	794.1	869.2	962.1
-62.5°	209.8	243.8	282.7	329.6	391.0	453.5	528.0	604.3	676.0	744.7	813.7
-65°	197.9	215.7	245.2	280.1	315.3	368.6	425.5	483.9	549.6	612.8	677.0
-67.5°	185.4	202.3	218.5	237.6	269.3	300.4	331.1	382.6	434.0	480.4	527.1
-70°	175.7	189.0	203.6	217.8	232.1	250.4	278.5	307.2	335.1	365.8	405.0
-72.5°	166.3	178.1	189.9	201.4	214.4	227.5	240.9	255.0	275.4	299.2	320.6
-75°	156.5	166.9	177.3	187.6	198.3	209.2	220.6	233.0	245.7	258.4	269.8
-77.5°	146.7	156.4	165.2	174.0	183.1	192.8	202.9	213.1	223.5	234.0	242.9
-80°	136.7	145.8	153.6	161.2	169.0	177.0	185.6	194.4	203.2	212.0	219.8
-82.5°	126.3	134.1	141.1	147.9	154.7	161.4	168.9	176.5	184.1	191.7	198.2
-85°	116.4	122.3	128.3	134.3	140.2	146.0	152.7	159.4	165.8	172.1	177.7
-87.5°	109.0	114.5	119.5	124.5	129.2	133.9	139.7	145.4	150.4	155.4	160.0
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.4	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	152.4	155.2	158.0	160.4	162.7	166.0	169.2	173.9	178.6	184.2	189.8
87.5°	1.7	1.7	1.8	1.3	0.9	0.9	0.9	0.9	0.9	1.4	1.9
85°	1.9	1.9	1.9	2.1	2.4	2.5	2.6	2.6	2.7	2.7	2.8
82.5°	2.3	2.4	2.4	2.6	2.8	2.8	2.8	2.8	2.8	3.2	3.6
80°	3.0	3.1	3.2	3.3	3.4	3.2	2.8	2.8	2.8	3.2	3.7
77.5°	3.8	3.8	3.7	3.6	3.3	3.0	2.8	2.8	2.8	2.8	2.9
75°	4.6	4.7	4.9	5.2	5.7	5.7	5.4	5.5	5.7	5.6	5.4
72.5°	10.3	10.6	10.5	11.8	12.9	13.4	13.7	14.6	15.7	17.2	18.8
70°	20.1	22.1	23.0	23.0	22.1	21.6	21.1	21.0	21.4	22.3	23.6
67.5°	29.0	29.8	29.4	29.0	27.3	25.2	22.9	21.6	22.1	23.2	24.6
65°	32.7	30.1	28.3	27.6	26.0	23.4	19.8	17.4	16.9	16.5	16.4
62.5°	29.4	24.8	22.6	21.4	19.1	16.9	13.6	11.1	10.1	9.5	9.4
60°	25.6	19.9	16.4	14.7	12.3	9.5	7.8	6.0	5.4	5.0	5.1
57.5°	22.3	16.5	12.4	11.6	9.4	7.4	5.9	4.4	4.0	3.7	3.8
55°	22.9	20.0	16.8	15.0	12.5	11.4	10.0	9.1	8.3	8.4	9.0
52.5°	32.4	34.8	30.6	29.6	36.8	36.9	30.5	40.4	46.4	51.0	52.3
50°	83.7	83.1	110.5	105.8	131.1	151.7	152.6	165.1	189.1	205.4	214.2
47.5°	222.3	247.2	279.1	312.6	338.8	371.4	404.5	429.1	435.2	435.8	440.1
45°	418.5	454.1	502.0	537.2	586.7	617.2	642.6	665.5	718.5	767.2	824.1
42.5°	584.4	623.3	673.0	744.5	796.6	935.8	1148.7	1201.0	1208.6	1251.9	1314.9
40°	715.4	766.5	876.8	1033.3	1366.8	1666.0	1719.9	1764.9	1784.6	1760.6	1803.4
37.5°	873.9	993.6	1242.1	1670.1	1828.2	1909.7	1967.0	2001.4	2043.2	2081.8	2102.8
35°	1137.1	1470.5	1688.4	1917.0	2020.4	2061.7	2103.7	2146.1	2179.0	2221.8	2255.9
32.5°	1677.5	2048.7	2070.6	2127.1	2181.0	2234.6	2273.9	2314.3	2349.3	2404.7	2521.0
30°	2221.9	2302.8	2322.6	2327.7	2376.9	2441.2	2475.3	2556.8	2666.9	2793.1	3061.7
27.5°	2511.7	2567.3	2578.9	2584.5	2607.4	2683.4	2824.5	2935.8	3199.9	3520.5	4210.8
25°	2864.5	2904.1	2946.1	2944.3	2979.1	3113.9	3389.7	3624.6	4516.9	5352.0	7151.0
22.5°	3201.2	3320.9	3380.5	3460.5	3578.7	3824.0	4307.9	5667.1	7939.8	10840.0	14450.6
20°	3435.1	3596.2	3756.8	3979.9	4265.4	4774.5	6286.2	10353.6	15211.1	22259.4	28171.2
17.5°	3671.1	3853.1	4137.1	4481.3	4960.9	6670.0	11101.9	18008.3	27983.6	40496.7	51475.6
15°	3978.8	4194.8	4575.0	5066.4	6406.4	10054.8	17448.1	30014.9	45179.2	62769.1	81220.7
12.5°	4188.4	4486.0	4938.1	5572.7	7772.1	14605.2	26509.0	43736.7	64607.8	86771.6	116183.9
10°	4343.2	4699.2	5313.1	6628.9	10617.1	19627.9	33932.5	55432.4	84046.1	117825.3	151452.4
7.5°	4473.3	4952.6	5723.4	7381.4	13071.7	24432.1	42666.0	68798.2	102653.0	143355.3	182460.7
5°	4590.2	5225.6	6118.2	8192.5	15271.0	27910.5	48474.0	78780.0	117984.2	162437.9	205612.9
2.5°	4744.7	5481.2	6374.3	8415.7	16151.4	29837.8	53076.1	86840.2	128930.6	175692.8	222667.4
0°	4959.4	5647.4	6530.9	8558.6	15877.5	31045.5	55896.6	90885.2	133727.6	181260.0	230528.5
-2.5°	5128.2	5743.2	6622.1	8443.5	15743.6	30477.5	54623.7	88527.3	129031.1	174961.3	224107.2
-5°	5237.3	5811.9	6662.1	8486.5	15405.8	28306.8	50864.0	82349.2	119467.4	160928.2	206373.4
-7.5°	5301.1	5837.1	6620.6	8215.9	13871.4	25349.6	44172.0	70961.6	104259.7	142625.1	180182.6
-10°	5339.3	5820.8	6533.9	7833.1	11667.8	20601.1	34872.8	57577.6	86428.6	117343.0	148063.6
-12.5°	5353.7	5786.4	6411.7	7284.8	9354.8	16128.2	27760.1	43873.7	65290.0	90649.3	117719.2
-15°	5325.6	5736.4	6293.5	7049.5	8426.7	12090.5	19370.5	30329.7	46292.6	65654.4	85270.6
-17.5°	5221.0	5684.8	6118.6	6699.0	7509.6	9237.4	13668.3	20702.5	30437.1	43235.0	54552.4
-20°	5082.4	5587.5	5958.8	6471.8	7108.3	7899.1	9320.1	13613.1	19071.6	26480.7	33867.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4959.0	5421.1	5888.0	6240.2	6738.7	7258.4	7900.1	9128.2	11871.0	15570.0	20252.7
-25°	4845.2	5268.2	5747.3	6128.1	6409.3	6776.7	7178.7	7609.0	8540.7	9414.2	11673.2
-27.5°	4684.9	5123.1	5538.6	5945.1	6216.0	6382.8	6656.8	6924.1	7314.3	7661.3	8324.7
-30°	4498.4	4927.2	5322.5	5691.8	5969.5	6144.9	6280.7	6464.6	6671.1	6881.1	7166.2
-32.5°	3834.0	4697.0	5065.1	5398.5	5684.8	5891.1	6034.9	6155.6	6274.9	6409.3	6559.5
-35°	3106.1	3958.5	4789.0	5049.0	5319.6	5592.6	5805.9	5919.8	6023.5	6117.8	6209.7
-37.5°	2525.4	3126.8	3872.2	4580.7	4909.5	5185.2	5441.5	5640.6	5786.0	5874.3	5957.0
-40°	2298.2	2450.5	3023.8	3607.2	4168.2	4677.6	4938.2	5232.5	5471.6	5601.3	5691.3
-42.5°	2243.8	2313.8	2367.3	2736.9	3183.2	3612.7	4087.9	4559.7	4929.9	5176.7	5360.3
-45°	2124.8	2225.5	2305.3	2338.3	2358.5	2671.6	3039.6	3400.0	3815.6	4245.1	4635.0
-47.5°	1956.2	2087.1	2177.2	2247.8	2290.0	2303.3	2329.2	2410.0	2711.8	3029.3	3331.5
-50°	1768.1	1888.1	1996.1	2094.3	2152.7	2200.1	2245.4	2288.8	2325.7	2372.1	2414.0
-52.5°	1578.6	1688.6	1785.8	1872.0	1949.4	2024.1	2095.9	2149.6	2202.1	2258.4	2304.3
-55°	1409.9	1499.1	1580.5	1656.2	1726.0	1789.1	1854.1	1923.5	1995.3	2065.5	2120.1
-57.5°	1229.5	1314.8	1392.0	1456.1	1512.3	1559.4	1619.0	1684.0	1751.6	1814.2	1861.7
-60°	1047.7	1123.1	1193.6	1255.8	1309.1	1352.9	1408.0	1463.1	1523.3	1576.8	1619.1
-62.5°	874.9	938.5	998.5	1052.8	1101.2	1145.7	1194.6	1243.8	1300.3	1350.2	1390.6
-65°	731.3	780.6	821.7	860.1	890.1	928.6	975.9	1021.3	1070.6	1113.7	1149.7
-67.5°	575.8	621.3	658.8	692.4	718.8	746.4	781.4	817.5	855.7	890.0	920.2
-70°	439.9	470.5	494.9	520.0	547.1	573.3	601.3	632.2	664.3	692.7	717.5
-72.5°	339.4	354.5	368.7	389.2	407.3	425.6	443.3	465.5	489.3	510.8	530.2
-75°	280.4	289.8	300.6	310.3	318.7	328.5	338.3	352.7	368.3	383.1	397.0
-77.5°	251.6	258.3	263.8	268.3	272.2	278.2	284.5	295.2	306.7	319.2	331.6
-80°	227.1	232.3	236.9	240.9	244.4	249.4	254.4	263.8	273.6	284.2	294.7
-82.5°	204.5	208.6	212.3	215.9	219.4	223.6	227.7	235.9	244.4	253.2	261.9
-85°	183.3	186.7	189.9	192.9	195.8	199.4	202.9	210.0	217.1	224.5	231.9
-87.5°	164.6	167.7	170.9	173.5	176.2	179.3	182.3	188.5	194.8	201.0	207.2
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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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°	190.3	190.7	191.2	191.6	191.2	190.7	190.3	189.8	184.2	178.6	173.9
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.4	0.9	0.9
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6
82.5°	3.2	2.8	3.2	3.7	3.2	2.8	3.2	3.6	3.2	2.8	2.8
80°	3.3	2.8	3.2	3.7	3.2	2.8	3.3	3.7	3.2	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8	2.8	2.8
75°	4.6	3.7	3.3	2.8	3.3	3.7	4.6	5.4	5.6	5.7	5.5
72.5°	19.2	19.2	19.5	19.6	19.5	19.2	19.2	18.8	17.2	15.7	14.6
70°	24.3	25.0	25.2	25.2	25.2	25.0	24.3	23.6	22.3	21.4	21.0
67.5°	24.8	24.4	23.9	23.4	23.9	24.4	24.8	24.6	23.2	22.1	21.6
65°	15.6	14.5	12.9	11.2	12.9	14.5	15.6	16.4	16.5	16.9	17.4
62.5°	9.0	8.7	8.4	8.4	8.4	8.7	9.0	9.4	9.5	10.1	11.1
60°	5.3	5.6	5.6	5.6	5.6	5.6	5.3	5.1	5.0	5.4	6.0
57.5°	4.0	4.6	5.1	5.6	5.1	4.6	4.0	3.8	3.7	4.0	4.4
55°	9.6	10.6	11.1	11.2	11.1	10.6	9.6	9.0	8.4	8.3	9.1
52.5°	50.5	47.9	45.7	43.9	45.7	47.9	50.5	52.3	51.0	46.4	40.4
50°	218.2	223.8	226.5	226.2	226.5	223.8	218.2	214.2	205.4	189.1	165.1
47.5°	449.4	452.6	450.0	443.1	450.0	452.6	449.4	440.1	435.8	435.2	429.1
45°	893.5	854.8	786.1	725.4	786.1	854.8	893.5	824.1	767.2	718.5	665.5
42.5°	1398.7	1445.1	1479.8	1495.8	1479.8	1445.1	1398.7	1314.9	1251.9	1208.6	1201.0
40°	1755.3	1705.8	1695.8	1703.3	1695.8	1705.8	1755.3	1803.4	1760.6	1784.6	1764.9
37.5°	2108.1	2153.1	2186.5	2132.4	2186.5	2153.1	2108.1	2102.8	2081.8	2043.2	2001.4
35°	2335.4	2495.4	2683.2	2740.0	2683.2	2495.4	2335.4	2255.9	2221.8	2179.0	2146.1
32.5°	2715.6	2884.5	2957.7	2975.6	2957.7	2884.5	2715.6	2521.0	2404.7	2349.3	2314.3
30°	3320.5	3489.2	3519.5	3544.0	3519.5	3489.2	3320.5	3061.7	2793.1	2666.9	2556.8
27.5°	4668.8	5046.2	5135.7	5198.7	5135.7	5046.2	4668.8	4210.8	3520.5	3199.9	2935.8
25°	8571.2	9552.9	10194.1	10131.9	10194.1	9552.9	8571.2	7151.0	5352.0	4516.9	3624.6
22.5°	18068.2	19995.1	21023.4	21005.2	21023.4	19995.1	18068.2	14450.6	10840.0	7939.8	5667.1
20°	36593.5	42295.2	45381.4	45029.9	45381.4	42295.2	36593.5	28171.2	22259.4	15211.1	10353.6
17.5°	63807.4	74819.9	82513.5	82828.7	82513.5	74819.9	63807.4	51475.6	40496.7	27983.6	18008.3
15°	98665.3	115005.1	126540.0	126538.6	126540.0	115005.1	98665.3	81220.7	62769.1	45179.2	30014.9
12.5°	141089.3	160620.8	173818.5	175797.7	173818.5	160620.8	141089.3	116183.9	86771.6	64607.8	43736.7
10°	181805.1	203928.4	223880.6	229374.0	223880.6	203928.4	181805.1	151452.4	117825.3	84046.1	55432.4
7.5°	216267.9	251069.5	269243.9	274968.1	269243.9	251069.5	216267.9	182460.7	143355.3	102653.0	68798.2
5°	250095.1	280218.9	295477.9	299895.4	295477.9	280218.9	250095.1	205612.9	162437.9	117984.2	78780.0
2.5°	267889.4	295539.9	316986.7	329424.5	316986.7	295539.9	267889.4	222667.4	175692.8	128930.6	86840.2
0°	274584.3	300854.5	329616.6	349206.9	329616.6	300854.5	274584.3	230528.5	181260.0	133727.6	90885.2
-2.5°	267887.9	293307.5	314503.3	324822.7	314503.3	293307.5	267887.9	224107.2	174961.3	129031.1	88527.3
-5°	247588.8	277488.1	292920.2	296827.2	292920.2	277488.1	247588.8	206373.4	160928.2	119467.4	82349.2
-7.5°	215168.5	243923.9	262844.8	267106.4	262844.8	243923.9	215168.5	180182.6	142625.1	104259.7	70961.6
-10°	179074.9	203637.0	216401.6	219558.1	216401.6	203637.0	179074.9	148063.6	117343.0	86428.6	57577.6
-12.5°	139145.2	157157.9	170187.9	171956.4	170187.9	157157.9	139145.2	117719.2	90649.3	65290.0	43873.7
-15°	103572.1	115484.8	125989.6	127196.7	125989.6	115484.8	103572.1	85270.6	65654.4	46292.6	30329.7
-17.5°	69388.0	79250.6	85128.4	86824.2	85128.4	79250.6	69388.0	54552.4	43235.0	30437.1	20702.5
-20°	41574.8	48632.3	52549.4	52696.6	52549.4	48632.3	41574.8	33867.3	26480.7	19071.6	13613.1



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	24119.7	28046.5	30119.0	30078.8	30119.0	28046.5	24119.7	20252.7	15570.0	11871.0	9128.2
-25°	13910.3	15629.7	16315.8	16340.3	16315.8	15629.7	13910.3	11673.2	9414.2	8540.7	7609.0
-27.5°	8857.2	9252.0	9410.1	9435.4	9410.1	9252.0	8857.2	8324.7	7661.3	7314.3	6924.1
-30°	7426.1	7657.0	7763.1	7792.9	7763.1	7657.0	7426.1	7166.2	6881.1	6671.1	6464.6
-32.5°	6700.6	6827.8	6913.7	6901.1	6913.7	6827.8	6700.6	6559.5	6409.3	6274.9	6155.6
-35°	6299.5	6378.3	6426.4	6449.5	6426.4	6378.3	6299.5	6209.7	6117.8	6023.5	5919.8
-37.5°	6039.4	6109.8	6155.4	6169.1	6155.4	6109.8	6039.4	5957.0	5874.3	5786.0	5640.6
-40°	5768.8	5827.4	5864.9	5878.3	5864.9	5827.4	5768.8	5691.3	5601.3	5471.6	5232.5
-42.5°	5476.7	5539.6	5569.6	5569.8	5569.6	5539.6	5476.7	5360.3	5176.7	4929.9	4559.7
-45°	4954.8	5148.6	5245.7	5250.1	5245.7	5148.6	4954.8	4635.0	4245.1	3815.6	3400.0
-47.5°	3606.4	3797.8	3951.8	4065.7	3951.8	3797.8	3606.4	3331.5	3029.3	2711.8	2410.0
-50°	2450.6	2463.2	2464.0	2453.0	2464.0	2463.2	2450.6	2414.0	2372.1	2325.7	2288.8
-52.5°	2340.0	2353.1	2362.6	2368.0	2362.6	2353.1	2340.0	2304.3	2258.4	2202.1	2149.6
-55°	2160.4	2176.9	2183.6	2181.0	2183.6	2176.9	2160.4	2120.1	2065.5	1995.3	1923.5
-57.5°	1893.6	1904.4	1909.5	1908.0	1909.5	1904.4	1893.6	1861.7	1814.2	1751.6	1684.0
-60°	1645.0	1653.1	1657.8	1657.5	1657.8	1653.1	1645.0	1619.1	1576.8	1523.3	1463.1
-62.5°	1413.3	1420.6	1425.9	1426.6	1425.9	1420.6	1413.3	1390.6	1350.2	1300.3	1243.8
-65°	1167.8	1173.3	1176.7	1176.0	1176.7	1173.3	1167.8	1149.7	1113.7	1070.6	1021.3
-67.5°	933.5	937.4	940.6	940.5	940.6	937.4	933.5	920.2	890.0	855.7	817.5
-70°	725.5	725.8	727.4	726.4	727.4	725.8	725.5	717.5	692.7	664.3	632.2
-72.5°	534.7	534.2	533.9	531.9	533.9	534.2	534.7	530.2	510.8	489.3	465.5
-75°	398.3	396.9	395.6	393.6	395.6	396.9	398.3	397.0	383.1	368.3	352.7
-77.5°	333.1	333.0	330.8	328.1	330.8	333.0	333.1	331.6	319.2	306.7	295.2
-80°	295.3	294.9	293.9	292.6	293.9	294.9	295.3	294.7	284.2	273.6	263.8
-82.5°	262.8	263.3	263.1	262.7	263.1	263.3	262.8	261.9	253.2	244.4	235.9
-85°	232.8	233.5	233.2	232.8	233.2	233.5	232.8	231.9	224.5	217.1	210.0
-87.5°	207.8	208.4	208.5	208.5	208.5	208.4	207.8	207.2	201.0	194.8	188.5
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	169.2	166.0	162.7	160.4	158.0	155.2	152.4	148.2	144.0	139.8	135.6
87.5°	0.9	0.9	0.9	1.3	1.8	1.7	1.7	1.7	1.7	1.8	1.9
85°	2.6	2.5	2.4	2.1	1.9	1.9	1.9	2.2	2.4	2.3	2.3
82.5°	2.8	2.8	2.8	2.6	2.4	2.4	2.3	2.5	2.8	2.8	2.8
80°	2.8	3.2	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.8	2.9
77.5°	2.8	3.0	3.3	3.6	3.7	3.8	3.8	3.7	3.6	3.8	3.8
75°	5.4	5.7	5.7	5.2	4.9	4.7	4.6	4.4	4.4	4.5	4.7
72.5°	13.7	13.4	12.9	11.8	10.5	10.6	10.3	9.3	7.7	5.8	4.7
70°	21.1	21.6	22.1	23.0	23.0	22.1	20.1	17.7	15.2	12.5	9.7
67.5°	22.9	25.2	27.3	29.0	29.4	29.8	29.0	27.6	27.2	24.8	17.9
65°	19.8	23.4	26.0	27.6	28.3	30.1	32.7	33.1	35.9	36.3	29.7
62.5°	13.6	16.9	19.1	21.4	22.6	24.8	29.4	34.3	41.1	43.9	38.0
60°	7.8	9.5	12.3	14.7	16.4	19.9	25.6	33.2	42.3	43.4	42.0
57.5°	5.9	7.4	9.4	11.6	12.4	16.5	22.3	31.2	40.4	42.1	39.6
55°	10.0	11.4	12.5	15.0	16.8	20.0	22.9	30.3	39.3	42.9	43.2
52.5°	30.5	36.9	36.8	29.6	30.6	34.8	32.4	38.3	44.2	49.1	51.0
50°	152.6	151.7	131.1	105.8	110.5	83.1	83.7	73.9	65.6	68.1	65.4
47.5°	404.5	371.4	338.8	312.6	279.1	247.2	222.3	175.6	161.5	114.5	113.4
45°	642.6	617.2	586.7	537.2	502.0	454.1	418.5	371.8	316.2	269.1	191.8
42.5°	1148.7	935.8	796.6	744.5	673.0	623.3	584.4	544.2	502.7	443.6	371.7
40°	1719.9	1666.0	1366.8	1033.3	876.8	766.5	715.4	680.2	658.8	613.4	544.8
37.5°	1967.0	1909.7	1828.2	1670.1	1242.1	993.6	873.9	805.6	800.2	758.2	697.4
35°	2103.7	2061.7	2020.4	1917.0	1688.4	1470.5	1137.1	977.6	900.3	882.2	832.4
32.5°	2273.9	2234.6	2181.0	2127.1	2070.6	2048.7	1677.5	1287.1	1025.6	974.5	930.5
30°	2475.3	2441.2	2376.9	2327.7	2322.6	2302.8	2221.9	1746.3	1323.3	1054.7	1024.3
27.5°	2824.5	2683.4	2607.4	2584.5	2578.9	2567.3	2511.7	2287.6	1676.1	1278.6	1104.4
25°	3389.7	3113.9	2979.1	2944.3	2946.1	2904.1	2864.5	2679.4	2223.6	1549.5	1187.2
22.5°	4307.9	3824.0	3578.7	3460.5	3380.5	3320.9	3201.2	3028.3	2791.6	1937.9	1418.7
20°	6286.2	4774.5	4265.4	3979.9	3756.8	3596.2	3435.1	3276.1	3009.9	2409.6	1662.8
17.5°	11101.9	6670.0	4960.9	4481.3	4137.1	3853.1	3671.1	3467.8	3205.8	2783.1	1868.8
15°	17448.1	10054.8	6406.4	5066.4	4575.0	4194.8	3978.8	3719.4	3442.6	3015.2	2170.9
12.5°	26509.0	14605.2	7772.1	5572.7	4938.1	4486.0	4188.4	3975.2	3676.1	3257.3	2537.1
10°	33932.5	19627.9	10617.1	6628.9	5313.1	4699.2	4343.2	4113.4	3842.2	3478.9	2879.2
7.5°	42666.0	24432.1	13071.7	7381.4	5723.4	4952.6	4473.3	4210.8	3951.9	3565.9	3066.4
5°	48474.0	27910.5	15271.0	8192.5	6118.2	5225.6	4590.2	4280.9	4006.8	3593.5	3192.4
2.5°	53076.1	29837.8	16151.4	8415.7	6374.3	5481.2	4744.7	4368.1	4045.8	3626.8	3288.4
0°	55896.6	31045.5	15877.5	8558.6	6530.9	5647.4	4959.4	4464.8	4062.9	3647.8	3340.2
-2.5°	54623.7	30477.5	15743.6	8443.5	6622.1	5743.2	5128.2	4681.9	4157.2	3678.4	3362.5
-5°	50864.0	28306.8	15405.8	8486.5	6662.1	5811.9	5237.3	4819.8	4244.3	3715.0	3341.8
-7.5°	44172.0	25349.6	13871.4	8215.9	6620.6	5837.1	5301.1	4889.2	4353.5	3829.5	3317.9
-10°	34872.8	20601.1	11667.8	7833.1	6533.9	5820.8	5339.3	4895.0	4395.3	3912.3	3237.4
-12.5°	27760.1	16128.2	9354.8	7284.8	6411.7	5786.4	5353.7	4859.5	4410.9	3988.5	3140.7
-15°	19370.5	12090.5	8426.7	7049.5	6293.5	5736.4	5325.6	4793.0	4394.4	4022.5	2961.3
-17.5°	13668.3	9237.4	7509.6	6699.0	6118.6	5684.8	5221.0	4742.3	4343.8	3839.7	2684.8
-20°	9320.1	7899.1	7108.3	6471.8	5958.8	5587.5	5082.4	4666.9	4244.1	3456.6	2482.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7900.1	7258.4	6738.7	6240.2	5888.0	5421.1	4959.0	4553.4	4098.0	3022.4	2259.5
-25°	7178.7	6776.7	6409.3	6128.1	5747.3	5268.2	4845.2	4373.0	3603.2	2663.5	2054.0
-27.5°	6656.8	6382.8	6216.0	5945.1	5538.6	5123.1	4684.9	4099.0	3037.4	2371.8	2059.8
-30°	6280.7	6144.9	5969.5	5691.8	5322.5	4927.2	4498.4	3504.7	2651.2	2143.5	2052.3
-32.5°	6034.9	5891.1	5684.8	5398.5	5065.1	4697.0	3834.0	2945.3	2295.3	2129.0	2004.0
-35°	5805.9	5592.6	5319.6	5049.0	4789.0	3958.5	3106.1	2466.3	2202.0	2094.9	1938.2
-37.5°	5441.5	5185.2	4909.5	4580.7	3872.2	3126.8	2525.4	2261.7	2168.1	2020.1	1840.4
-40°	4938.2	4677.6	4168.2	3607.2	3023.8	2450.5	2298.2	2225.5	2082.9	1920.3	1722.4
-42.5°	4087.9	3612.7	3183.2	2736.9	2367.3	2313.8	2243.8	2120.3	1969.9	1784.5	1598.0
-45°	3039.6	2671.6	2358.5	2338.3	2305.3	2225.5	2124.8	1982.1	1817.5	1642.5	1466.1
-47.5°	2329.2	2303.3	2290.0	2247.8	2177.2	2087.1	1956.2	1815.3	1656.4	1495.7	1344.7
-50°	2245.4	2200.1	2152.7	2094.3	1996.1	1888.1	1768.1	1635.7	1495.9	1361.1	1218.7
-52.5°	2095.9	2024.1	1949.4	1872.0	1785.8	1688.6	1578.6	1469.2	1350.9	1219.7	1087.9
-55°	1854.1	1789.1	1726.0	1656.2	1580.5	1499.1	1409.9	1306.3	1190.2	1069.4	957.5
-57.5°	1619.0	1559.4	1512.3	1456.1	1392.0	1314.8	1229.5	1128.7	1026.2	925.3	827.7
-60°	1408.0	1352.9	1309.1	1255.8	1193.6	1123.1	1047.7	962.1	869.2	794.1	720.4
-62.5°	1194.6	1145.7	1101.2	1052.8	998.5	938.5	874.9	813.7	744.7	676.0	604.3
-65°	975.9	928.6	890.1	860.1	821.7	780.6	731.3	677.0	612.8	549.6	483.9
-67.5°	781.4	746.4	718.8	692.4	658.8	621.3	575.8	527.1	480.4	434.0	382.6
-70°	601.3	573.3	547.1	520.0	494.9	470.5	439.9	405.0	365.8	335.1	307.2
-72.5°	443.3	425.6	407.3	389.2	368.7	354.5	339.4	320.6	299.2	275.4	255.0
-75°	338.3	328.5	318.7	310.3	300.6	289.8	280.4	269.8	258.4	245.7	233.0
-77.5°	284.5	278.2	272.2	268.3	263.8	258.3	251.6	242.9	234.0	223.5	213.1
-80°	254.4	249.4	244.4	240.9	236.9	232.3	227.1	219.8	212.0	203.2	194.4
-82.5°	227.7	223.6	219.4	215.9	212.3	208.6	204.5	198.2	191.7	184.1	176.5
-85°	202.9	199.4	195.8	192.9	189.9	186.7	183.3	177.7	172.1	165.8	159.4
-87.5°	182.3	179.3	176.2	173.5	170.9	167.7	164.6	160.0	155.4	150.4	145.4
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.9



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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°	130.0	124.3	120.1	115.9	111.3	106.6	101.5	96.3	89.8	83.2	75.3
87.5°	1.9	1.9	2.2	2.4	2.4	2.3	2.3	2.3	2.4	2.5	2.8
85°	2.2	2.2	2.5	2.8	2.8	2.8	2.7	2.7	2.9	3.1	3.2
82.5°	2.8	2.7	2.7	2.8	3.1	3.2	3.1	3.1	3.4	3.7	3.6
80°	3.2	3.3	3.2	3.1	3.4	3.7	3.6	3.5	3.8	4.1	4.0
77.5°	3.9	3.9	3.7	3.6	3.6	3.8	3.9	3.9	4.2	4.5	4.4
75°	4.7	4.4	3.9	3.8	4.0	3.9	4.2	4.4	4.8	4.9	4.9
72.5°	4.7	4.7	4.3	4.2	4.7	4.9	4.9	5.0	5.4	5.6	5.5
70°	7.1	5.5	5.1	5.3	5.7	6.0	6.1	6.3	6.1	6.4	6.5
67.5°	11.3	9.3	7.7	6.8	6.8	7.3	7.4	7.8	7.8	7.3	7.5
65°	21.7	15.7	11.0	9.7	8.7	8.6	8.8	9.5	9.5	9.3	8.5
62.5°	31.2	24.2	18.5	14.0	11.7	11.6	10.4	11.5	11.5	11.4	10.3
60°	39.7	32.4	26.8	22.0	17.8	15.6	14.8	13.7	13.9	13.6	12.5
57.5°	40.0	39.4	36.9	31.2	27.2	22.8	20.4	18.6	16.8	16.6	14.8
55°	40.7	41.2	46.1	42.7	38.6	32.7	28.5	25.1	21.0	19.9	17.3
52.5°	48.6	50.0	53.8	56.5	53.4	45.1	40.8	32.2	29.0	23.6	20.7
50°	62.3	67.2	67.7	72.5	70.1	64.6	54.0	45.3	37.7	28.8	24.4
47.5°	97.3	101.6	93.1	95.4	91.0	87.0	74.3	61.0	47.1	37.6	28.3
45°	184.9	159.1	144.1	131.7	120.4	115.7	98.7	78.4	63.1	46.8	32.3
42.5°	299.7	261.0	230.8	175.3	168.8	149.5	128.1	105.1	80.4	56.4	38.9
40°	461.6	387.6	336.3	277.3	228.6	187.8	165.9	135.2	98.9	68.5	47.6
37.5°	614.0	519.5	454.3	382.5	303.7	250.3	207.6	167.4	120.9	85.4	56.4
35°	736.6	642.7	554.5	480.3	400.5	313.0	252.4	203.4	149.2	103.0	65.3
32.5°	847.7	747.9	647.9	564.4	477.7	374.1	304.5	239.2	177.7	121.3	74.7
30°	946.2	850.8	736.9	633.4	541.3	438.1	353.9	272.6	206.3	140.1	85.6
27.5°	1053.7	957.4	827.2	708.4	597.3	493.7	393.4	303.7	234.8	159.1	99.9
25°	1154.7	1056.8	927.7	792.6	653.8	538.1	430.1	332.7	261.5	178.4	113.4
22.5°	1222.5	1140.6	1020.1	881.7	716.2	581.3	466.0	364.2	279.6	196.1	126.0
20°	1277.1	1214.2	1101.6	949.1	784.0	632.5	501.9	389.7	296.4	212.1	137.8
17.5°	1355.0	1273.7	1159.6	1005.7	846.2	684.1	536.6	413.5	311.9	226.4	148.7
15°	1546.4	1325.7	1215.9	1058.9	894.2	728.1	570.3	436.2	325.9	239.0	158.6
12.5°	1745.0	1376.3	1270.4	1105.1	929.6	765.7	602.6	457.3	338.5	251.9	167.3
10°	1931.3	1420.4	1321.0	1147.2	960.4	797.3	633.1	480.3	357.2	265.1	175.2
7.5°	2088.9	1460.4	1368.8	1185.2	988.2	825.9	663.9	509.2	376.1	277.2	182.2
5°	2222.0	1497.3	1415.0	1232.2	1021.1	852.2	691.1	535.9	393.8	288.2	188.2
2.5°	2312.7	1530.8	1456.7	1276.0	1049.9	874.1	714.4	560.1	410.0	297.7	193.2
0°	2372.7	1561.2	1492.0	1313.5	1074.1	891.8	733.9	581.5	424.4	305.7	197.3
-2.5°	2391.6	1592.9	1521.0	1345.3	1112.8	915.4	748.2	591.4	434.2	314.7	204.0
-5°	2378.0	1622.1	1544.6	1370.6	1145.2	934.3	758.8	598.2	441.8	321.9	209.6
-7.5°	2337.5	1655.0	1564.4	1389.5	1170.1	947.9	765.4	601.8	447.3	327.1	213.9
-10°	2268.2	1688.0	1580.1	1396.6	1173.9	955.0	768.4	602.3	450.6	330.4	216.9
-12.5°	2181.0	1718.2	1590.0	1395.4	1169.3	956.4	771.1	601.0	451.6	331.6	218.5
-15°	2069.5	1756.3	1602.5	1386.7	1158.9	953.5	768.7	596.3	448.8	329.7	218.7
-17.5°	1923.4	1791.7	1610.5	1375.5	1144.7	946.2	761.0	587.5	443.5	324.3	216.7
-20°	1919.7	1807.1	1606.1	1354.1	1124.3	932.9	747.7	574.4	435.7	317.0	213.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1946.4	1800.8	1580.8	1325.6	1100.0	914.1	730.3	557.2	425.2	307.8	208.0
-25°	1961.2	1788.7	1545.6	1294.9	1075.0	890.3	709.7	539.1	412.2	296.7	201.7
-27.5°	1937.2	1752.7	1499.5	1254.1	1046.5	862.0	686.1	526.1	400.5	283.8	194.1
-30°	1896.3	1684.8	1443.1	1206.6	1009.7	829.2	658.1	510.5	387.5	273.2	185.2
-32.5°	1835.3	1611.7	1379.4	1161.1	967.8	791.5	626.5	491.8	372.4	264.2	179.4
-35°	1739.1	1529.3	1311.1	1109.9	921.3	753.0	596.3	470.1	355.2	252.9	174.5
-37.5°	1635.3	1434.7	1248.0	1054.2	872.7	711.0	569.7	447.2	336.0	239.2	168.9
-40°	1526.5	1339.2	1166.7	994.1	822.6	665.8	539.2	421.4	317.2	223.1	162.2
-42.5°	1412.4	1245.7	1082.8	924.2	768.0	627.6	505.0	391.5	294.7	211.1	154.2
-45°	1305.7	1147.7	994.1	850.2	709.8	585.1	467.1	358.6	269.6	200.6	148.2
-47.5°	1193.4	1045.9	904.9	771.4	656.7	537.8	424.5	327.9	242.7	188.7	145.9
-50°	1077.8	942.4	814.1	699.9	594.9	485.1	380.0	294.8	226.6	174.6	143.0
-52.5°	960.7	838.3	729.1	628.9	528.2	427.8	338.7	260.7	209.4	166.9	139.5
-55°	842.4	743.0	648.6	552.7	457.8	374.3	294.2	238.9	190.9	161.8	135.8
-57.5°	741.0	653.0	561.7	472.0	393.0	319.8	261.0	216.1	181.6	156.2	133.2
-60°	640.4	553.9	469.6	399.0	331.7	275.7	234.4	197.2	174.7	150.6	130.0
-62.5°	528.0	453.5	391.0	329.6	282.7	243.8	209.8	187.8	167.1	146.1	126.3
-65°	425.5	368.6	315.3	280.1	245.2	215.7	197.9	177.8	160.2	141.2	122.4
-67.5°	331.1	300.4	269.3	237.6	218.5	202.3	185.4	169.5	153.5	135.9	118.4
-70°	278.5	250.4	232.1	217.8	203.6	189.0	175.7	161.7	146.5	130.8	114.1
-72.5°	240.9	227.5	214.4	201.4	189.9	178.1	166.3	153.6	139.7	125.3	109.6
-75°	220.6	209.2	198.3	187.6	177.3	166.9	156.5	145.2	132.5	119.6	104.7
-77.5°	202.9	192.8	183.1	174.0	165.2	156.4	146.7	136.4	125.0	113.3	99.6
-80°	185.6	177.0	169.0	161.2	153.6	145.8	136.7	127.6	117.2	106.7	94.2
-82.5°	168.9	161.4	154.7	147.9	141.1	134.1	126.3	118.6	109.3	99.9	89.1
-85°	152.7	146.0	140.2	134.3	128.3	122.3	116.4	110.3	102.4	94.4	84.6
-87.5°	139.7	133.9	129.2	124.5	119.5	114.5	109.0	103.3	96.1	88.9	80.0
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	67.3	56.5	45.8	33.2	20.6	11.7	2.8
87.5°	3.0	3.1	3.1	3.0	3.0	3.0	2.8
85°	3.3	3.4	3.5	3.3	3.1	3.2	2.8
82.5°	3.5	3.7	3.8	3.5	3.3	3.5	2.8
80°	3.8	4.0	4.1	3.8	3.5	3.7	2.8
77.5°	4.3	4.4	4.4	4.0	3.7	3.9	2.8
75°	4.9	5.0	4.8	4.3	3.9	4.2	2.8
72.5°	5.4	5.5	5.3	4.5	4.1	4.4	2.8
70°	6.1	6.1	5.8	4.8	4.4	4.6	2.8
67.5°	7.2	6.7	6.4	5.4	4.6	4.9	2.8
65°	8.4	7.6	7.0	5.9	4.9	5.1	2.8
62.5°	9.7	8.8	7.6	6.5	5.2	5.3	2.8
60°	11.0	10.1	8.2	7.1	5.6	5.6	2.8
57.5°	13.1	11.4	9.4	7.7	6.2	5.8	2.8
55°	15.3	12.8	10.7	8.3	6.8	6.1	2.8
52.5°	17.5	14.3	12.1	8.9	7.5	6.3	2.8
50°	19.8	16.4	13.4	9.5	8.2	6.6	2.8
47.5°	22.3	18.6	14.8	10.2	8.9	6.9	2.8
45°	25.8	20.9	16.3	11.3	9.6	7.1	2.8
42.5°	29.3	23.2	17.7	12.4	10.3	7.4	2.8
40°	33.2	25.6	19.4	13.8	11.1	7.6	2.8
37.5°	37.4	28.1	21.3	15.3	11.8	7.9	2.8
35°	41.7	31.2	23.2	16.9	12.6	8.2	2.8
32.5°	47.2	34.6	25.1	18.4	13.3	8.4	2.8
30°	54.9	38.1	27.0	20.0	14.1	8.7	2.8
27.5°	62.6	41.5	29.4	21.5	14.9	8.9	2.8
25°	70.1	44.9	31.8	23.1	15.6	9.2	2.8
22.5°	77.4	48.3	34.2	24.6	16.4	9.4	2.8
20°	84.5	51.9	36.6	26.1	17.1	9.6	2.8
17.5°	91.1	55.3	38.8	27.6	17.9	9.9	2.8
15°	97.2	58.5	41.0	29.0	18.6	10.1	2.8
12.5°	102.8	61.5	43.2	30.4	19.3	10.3	2.8
10°	107.9	64.4	45.2	31.7	20.0	10.5	2.8
7.5°	112.6	67.1	47.2	33.0	20.6	10.7	2.8
5°	116.7	69.5	49.0	34.3	21.3	10.9	2.8
2.5°	120.4	71.8	50.8	35.4	21.8	11.1	2.8
0°	123.4	73.9	52.4	36.5	22.4	11.2	2.8
-2.5°	127.4	77.0	54.7	38.1	23.4	11.7	2.8
-5°	130.7	79.9	56.9	39.6	24.4	12.1	2.8
-7.5°	133.5	82.5	59.0	41.1	25.3	12.5	2.8
-10°	135.6	84.9	60.9	42.4	26.1	12.9	2.8
-12.5°	137.0	87.1	62.6	43.7	26.9	13.3	2.8
-15°	137.8	89.0	64.2	44.8	27.7	13.7	2.8
-17.5°	137.9	90.6	65.7	45.8	28.4	14.0	2.8
-20°	137.4	91.9	66.9	46.8	29.0	14.3	2.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	136.3	93.0	68.0	47.6	29.6	14.6	2.8
-25°	134.5	93.9	68.9	48.2	30.1	14.9	2.8
-27.5°	132.0	94.7	69.6	48.8	30.5	15.1	2.8
-30°	128.8	95.2	70.1	49.2	30.9	15.3	2.8
-32.5°	124.9	95.4	70.8	49.6	31.2	15.5	2.8
-35°	123.5	95.3	71.3	49.7	31.4	15.7	2.8
-37.5°	123.1	95.2	71.6	49.8	31.6	15.8	2.8
-40°	122.3	95.4	71.8	49.7	31.6	15.9	2.8
-42.5°	121.3	95.4	71.8	49.6	31.7	15.9	2.8
-45°	119.7	95.1	71.7	49.5	31.6	16.0	2.8
-47.5°	117.8	94.6	71.4	49.3	31.5	16.0	2.8
-50°	116.5	93.9	71.0	49.2	31.3	15.9	2.8
-52.5°	115.0	93.0	70.3	49.0	31.0	15.9	2.8
-55°	113.2	91.6	69.4	48.7	30.7	15.8	2.8
-57.5°	111.1	89.9	68.3	48.2	30.3	15.7	2.8
-60°	108.7	88.1	67.0	47.6	29.8	15.5	2.8
-62.5°	106.2	86.0	66.0	46.9	29.4	15.3	2.8
-65°	103.4	83.7	64.8	46.1	28.9	15.1	2.8
-67.5°	100.3	81.4	63.5	45.2	28.3	14.9	2.8
-70°	97.0	79.1	61.9	44.1	27.6	14.6	2.8
-72.5°	93.6	76.6	60.3	43.1	26.9	14.3	2.8
-75°	89.9	73.9	58.4	42.0	26.2	14.0	2.8
-77.5°	86.0	71.0	56.6	40.7	25.4	13.7	2.8
-80°	81.9	68.2	54.7	39.4	24.5	13.3	2.8
-82.5°	78.4	65.5	52.6	38.0	23.6	13.0	2.8
-85°	74.8	62.6	50.5	36.5	22.6	12.6	2.8
-87.5°	71.1	59.6	48.2	34.9	21.6	12.1	2.8
-90°	2.8	2.8	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)