

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: P1305608 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-4S-VHE-A**

Issue Date: 2/3/2026

Test Information

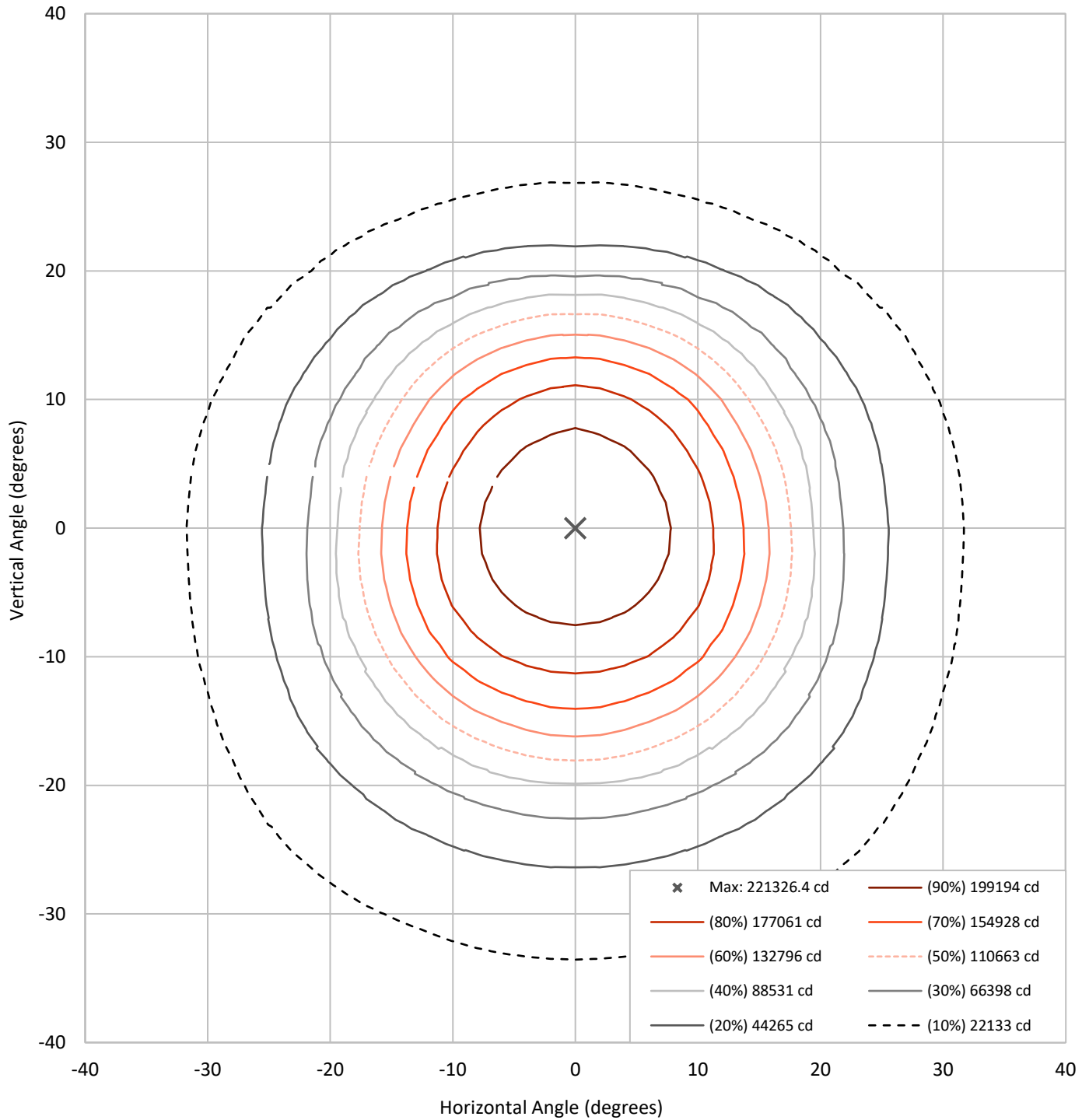
Test Method: LM-79-08
Report Number: P1305608 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-640L-40-70-4S-VHE-A
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 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:	91810.6 lumens	Max Intensity:	221326.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.7 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:	49277.5 lumens	Field Lumens:	80189.2 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%
Input Watts (W):	648		
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





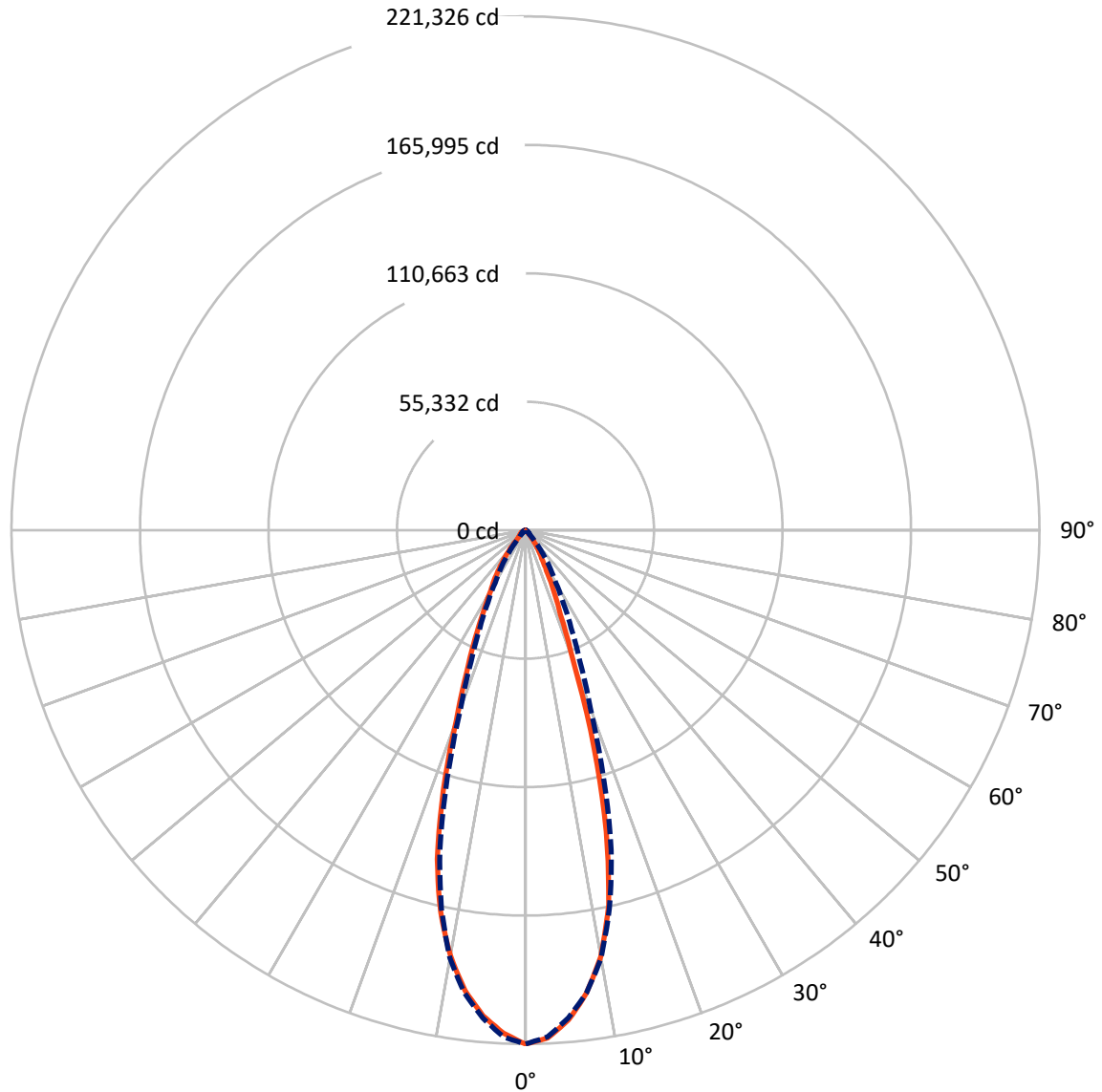
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Lumen Table

90	0.3	1.0	1.7	2.4	2.7	2.4	1.7	1.0	0.3										
80	0.3	1.0	1.7	2.4	2.7	2.4	1.7	1.0	0.3										
70	0.3	0.2	0.2	0.6	0.8	0.7	0.6	0.8	0.8	0.6	0.7	0.8	0.6	0.2	0.2	0.3			
60		0.4	0.7	1.3	1.2	0.9	1.1	1.3	1.3	1.1	0.9	1.2	1.3	0.7	0.4				
50	0.9	1.1	2.6	5.3	9.6	15.2	22.3	28.8	28.8	22.3	15.2	9.6	5.3	2.6	1.1	0.9			
40		2.7	8.7	16.7	27.4	63.4	141.7	229.6	229.6	141.7	63.4	27.4	16.7	8.7	2.7				
30	2.0	4.8	14.6	28.2	88.6	272.6	594.8	901.9	901.9	594.8	272.6	88.6	28.2	14.6	4.8	2.0			
20		6.5	19.1	45.2	230.6	764.8	2043.5	3631.2	3631.2	2043.5	764.8	230.6	45.2	19.1	6.5				
10	3.0	8.0	22.4	62.6	361.0	1255.3	3715.5	5949.7	5949.7	3715.5	1255.3	361.0	62.6	22.4	8.0	3.0			
0		8.9	24.9	70.0	386.9	1318.5	3895.2	5996.7	5996.7	3895.2	1318.5	386.9	70.0	24.9	8.9				
-10	3.4	9.2	26.3	64.5	308.8	973.9	2451.9	4028.3	4028.3	2451.9	973.9	308.8	64.5	26.3	9.2	3.4			
-20		8.6	26.2	55.3	169.9	540.9	1062.0	1533.6	1533.6	1062.0	540.9	169.9	55.3	26.2	8.6				
-30	3.2	7.3	23.6	46.3	81.6	200.7	404.4	559.0	559.0	404.4	200.7	81.6	46.3	23.6	7.3	3.2			
-40		5.7	17.7	37.0	58.3	81.0	110.5	141.5	141.5	110.5	81.0	58.3	37.0	17.7	5.7				
-50	2.7	4.3	11.0	24.1	41.5	56.0	67.6	75.9	75.9	67.6	56.0	41.5	24.1	11.0	4.3	2.7			
-60		3.2	6.5	12.2	20.8	29.5	37.6	42.9	42.9	37.6	29.5	20.8	12.2	6.5	3.2				
-70	2.0	11.6	26.2	42.4	52.1	42.4	26.2	11.6	2.0							2.0			
-80		11.6	26.2	42.4	52.1	42.4	26.2	11.6	2.0										
-90	2.0	11.6	26.2	42.4	52.1	42.4	26.2	11.6	2.0						2.0				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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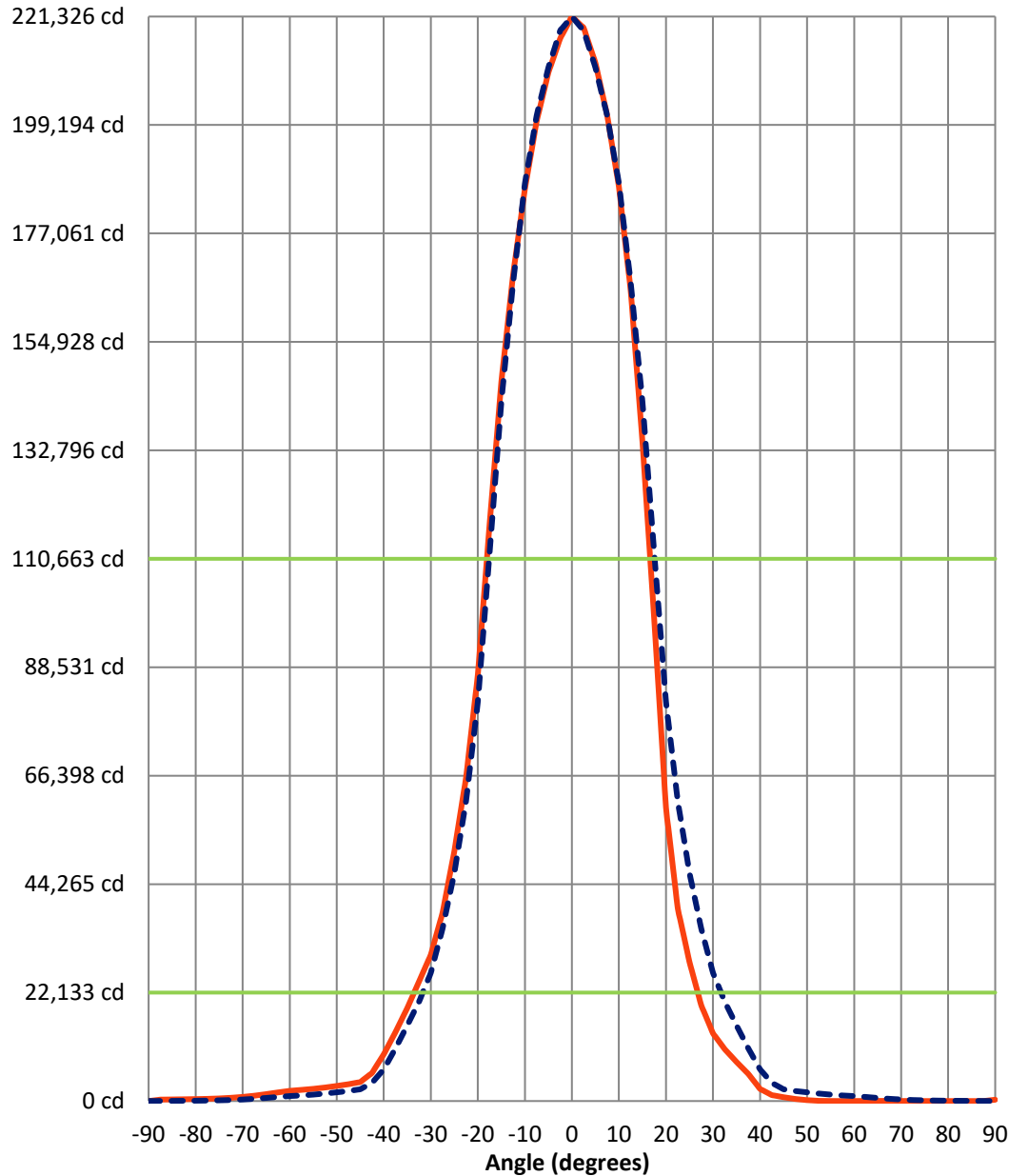
Luminous Intensity Polar Plot



— 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: 49277.5
 Efficiency: 53.7%

Field:
 H Angle: 63.4°
 V Angle: 60.3°
 Lumens: 80189.2
 Efficiency: 87.3%

Spill:
 Lumens: 11621.4
 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°	9.9	18.6	27.4	44.9	62.4	78.3	94.2	106.8	119.3	127.6	135.8
87.5°	9.9	9.0	7.9	8.0	8.1	8.1	8.0	7.5	7.0	7.0	7.1
85°	9.9	9.2	8.1	8.3	8.5	8.4	8.3	7.8	7.4	7.4	7.5
82.5°	9.9	9.4	8.3	8.6	8.8	8.8	8.6	8.2	7.8	7.9	8.0
80°	9.9	9.6	8.5	8.8	9.2	9.2	8.9	8.7	8.6	8.6	8.5
77.5°	9.9	9.8	8.7	9.1	9.6	9.6	9.5	9.4	9.3	9.3	8.9
75°	9.9	10.0	9.0	9.4	10.0	10.0	10.0	10.1	10.1	9.7	9.0
72.5°	9.9	10.2	9.2	9.7	10.4	10.5	10.6	10.7	10.5	10.0	9.2
70°	9.9	10.4	9.5	10.0	10.8	11.0	11.2	11.3	11.0	10.4	10.1
67.5°	9.9	10.6	9.8	10.4	11.2	11.4	11.9	11.9	11.6	11.3	11.1
65°	9.9	10.8	10.1	10.8	11.6	12.2	12.8	12.5	12.9	12.2	12.4
62.5°	9.9	11.0	10.4	11.3	12.1	13.2	13.7	14.0	14.4	13.6	14.8
60°	9.9	11.3	10.8	11.7	12.6	14.2	14.7	15.9	16.1	17.2	17.7
57.5°	9.9	11.5	11.4	12.2	13.7	15.3	16.8	18.0	20.1	21.5	23.9
55°	9.9	11.7	12.0	12.6	14.9	16.5	19.1	20.4	24.9	27.2	32.1
52.5°	9.9	11.9	12.7	13.1	16.2	17.9	21.5	25.3	30.1	36.7	40.9
50°	9.9	12.2	13.4	13.6	17.5	20.3	24.1	30.6	36.9	46.8	53.0
47.5°	9.9	12.4	14.1	14.2	18.9	22.9	27.0	36.1	47.0	57.7	66.7
45°	9.9	12.6	14.9	15.3	20.4	25.7	32.0	41.8	57.6	71.1	81.3
42.5°	9.9	12.9	15.7	16.4	21.9	28.5	37.1	50.0	68.7	85.2	104.9
40°	9.9	13.1	16.6	18.1	23.8	31.4	42.5	59.9	80.9	100.0	132.1
37.5°	9.9	13.3	17.5	20.0	26.1	34.4	48.1	70.1	94.9	119.2	161.6
35°	9.9	13.6	18.4	21.9	28.5	38.5	53.7	80.4	109.6	146.5	197.4
32.5°	9.9	13.8	19.4	23.9	30.8	43.0	60.2	90.7	124.8	174.5	238.2
30°	9.9	14.0	20.3	25.9	33.2	47.4	68.5	101.3	140.4	203.0	277.1
27.5°	9.9	14.3	21.3	27.9	36.4	51.7	76.7	112.8	157.6	231.9	314.1
25°	9.9	14.5	22.3	29.9	39.6	55.9	84.5	123.8	177.4	262.1	349.1
22.5°	9.9	14.7	23.3	31.9	42.7	60.3	92.1	134.3	196.0	285.5	385.0
20°	9.9	14.9	24.4	33.9	45.8	65.3	99.4	144.1	213.2	307.4	414.0
17.5°	9.9	15.2	25.4	35.8	48.8	70.2	107.0	153.4	229.1	327.6	441.1
15°	9.9	15.4	26.4	37.8	51.7	74.9	114.5	162.7	243.5	346.2	466.6
12.5°	9.9	15.6	27.4	39.6	54.5	79.4	121.5	172.1	258.0	363.0	490.3
10°	9.9	15.7	28.3	41.5	57.2	83.7	128.0	180.9	272.4	384.8	516.3
7.5°	9.9	15.9	29.3	43.3	59.8	87.8	134.0	189.0	285.4	406.2	549.7
5°	9.9	16.1	30.2	45.0	62.3	91.6	139.5	196.5	296.9	426.1	581.2
2.5°	9.9	16.3	31.0	46.6	64.6	95.2	144.5	203.2	306.9	444.1	610.2
0°	9.9	16.4	31.8	48.2	66.8	98.5	148.9	209.1	315.3	459.9	636.1
-2.5°	9.9	17.0	33.0	50.2	69.9	102.5	154.0	216.3	326.4	472.9	649.1
-5°	9.9	17.6	34.2	52.2	72.9	106.1	158.5	222.6	335.6	483.1	658.6
-7.5°	9.9	18.1	35.2	54.0	75.6	109.5	162.4	227.9	342.8	490.6	664.6
-10°	9.9	18.7	36.3	55.7	78.2	112.5	165.6	232.2	347.8	495.4	667.2
-12.5°	9.9	19.2	37.2	57.3	80.6	115.1	168.1	235.4	350.4	497.2	670.2
-15°	9.9	19.7	38.1	58.8	82.8	117.4	170.0	237.5	350.0	495.0	670.0
-17.5°	9.9	20.2	38.9	60.1	84.7	119.3	171.1	238.9	346.6	489.5	664.4
-20°	9.9	20.6	39.6	61.3	86.4	120.8	171.9	239.6	341.1	480.7	652.9



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 CATALOG NUMBER: EPH-08-640L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	9.9	21.0	40.3	62.3	87.9	122.0	172.8	239.2	333.5	468.4	635.9
-25°	9.9	21.4	40.9	63.2	89.1	123.4	172.8	237.8	323.8	452.7	618.1
-27.5°	9.9	21.7	41.3	63.9	90.1	124.7	172.1	235.4	312.1	439.1	602.9
-30°	9.9	22.1	41.8	64.5	90.8	125.6	170.6	231.9	305.1	426.6	583.0
-32.5°	9.9	22.3	42.1	64.9	92.0	126.0	168.3	228.9	301.0	410.8	558.1
-35°	9.9	22.6	42.3	65.1	93.0	126.0	167.4	225.5	295.3	391.7	528.1
-37.5°	9.9	22.8	42.5	65.2	93.7	126.0	166.9	220.9	287.8	369.3	499.4
-40°	9.9	22.9	42.6	65.1	94.1	126.5	165.9	215.1	278.7	354.9	471.4
-42.5°	9.9	23.1	42.6	65.0	94.4	126.7	164.1	208.1	269.8	343.0	440.1
-45°	9.9	23.2	42.5	65.1	94.6	126.6	161.6	202.1	260.3	328.9	408.2
-47.5°	9.9	23.2	42.3	65.1	94.5	126.1	158.6	198.5	249.4	312.7	389.6
-50°	9.9	23.2	42.0	65.1	94.1	125.3	157.0	194.3	236.9	298.2	368.4
-52.5°	9.9	23.2	41.7	65.0	93.5	124.2	155.3	189.5	228.7	281.9	344.0
-55°	9.9	23.1	41.2	64.7	92.5	122.7	153.2	184.4	221.8	263.9	320.7
-57.5°	9.9	23.0	40.7	64.3	91.3	120.8	150.7	181.4	214.1	252.4	295.6
-60°	9.9	22.9	40.1	63.6	89.9	118.6	147.9	177.7	206.3	242.1	273.3
-62.5°	9.9	22.7	39.5	62.8	88.7	116.1	144.6	173.3	200.8	230.4	259.1
-65°	9.9	22.5	38.8	61.9	87.2	113.2	140.9	168.3	194.7	220.9	244.4
-67.5°	9.9	22.2	38.0	60.8	85.5	110.3	136.8	162.8	188.0	212.0	232.7
-70°	9.9	21.9	37.1	59.5	83.6	107.4	132.3	156.9	181.0	202.6	222.2
-72.5°	9.9	21.6	36.2	58.1	81.4	104.1	127.8	150.7	173.5	193.2	211.2
-75°	9.9	21.3	35.1	56.6	79.1	100.5	122.9	144.2	165.6	183.3	199.9
-77.5°	9.9	20.9	34.0	55.0	76.7	96.7	117.7	137.4	157.4	173.2	188.3
-80°	9.9	20.5	32.8	53.2	74.2	93.2	112.2	130.4	148.9	163.0	176.6
-82.5°	9.9	20.1	31.5	51.3	71.5	89.7	107.8	123.8	140.0	152.5	164.8
-85°	9.9	19.6	30.2	49.3	68.6	86.0	103.5	118.3	133.2	143.6	154.0
-87.5°	9.9	19.1	28.8	47.1	65.6	82.3	98.9	112.6	126.4	135.7	145.0
-90°	9.9	8.8	7.7	7.7	7.7	7.7	7.7	7.2	6.6	6.6	6.6



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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°	141.8	147.8	153.3	158.8	165.4	171.9	178.5	185.0	192.2	199.3	206.4
87.5°	6.6	6.1	6.1	6.1	5.6	5.1	4.8	4.4	4.4	4.4	4.3
85°	7.1	6.6	6.6	6.6	6.2	5.8	5.4	4.9	4.9	5.0	4.7
82.5°	7.6	7.2	7.0	6.6	6.5	6.5	6.1	5.7	5.6	5.5	5.2
80°	8.2	7.8	7.3	7.0	6.9	6.7	6.5	6.4	6.1	5.7	5.6
77.5°	8.4	7.8	7.6	7.6	7.3	6.7	6.6	6.6	6.5	6.4	6.2
75°	8.4	7.9	7.8	7.8	7.4	6.8	6.6	6.8	6.9	6.7	6.5
72.5°	8.8	8.6	8.3	8.0	7.7	7.4	7.4	7.6	8.2	8.8	9.3
70°	9.8	9.4	9.1	8.8	8.4	8.4	9.3	11.1	12.9	13.6	15.4
67.5°	10.8	10.5	10.2	9.9	10.0	10.8	12.1	16.1	19.7	22.1	24.7
65°	11.9	11.7	11.7	11.9	12.0	15.4	19.0	23.0	29.2	32.6	32.7
62.5°	13.3	15.0	14.3	15.3	18.4	22.0	27.5	34.7	42.4	45.6	43.6
60°	18.9	19.8	20.2	22.6	25.7	29.5	37.2	45.9	54.9	60.4	52.3
57.5°	26.1	27.2	29.3	30.7	34.1	36.3	45.4	56.0	61.8	65.3	56.2
55°	35.0	36.7	39.8	40.4	43.3	44.2	51.8	59.0	64.0	65.1	55.2
52.5°	46.4	48.3	52.7	53.4	53.5	54.5	55.5	63.5	67.5	66.3	57.3
50°	58.7	65.4	67.8	70.2	67.0	68.3	64.7	74.0	81.9	79.8	82.5
47.5°	76.7	85.2	88.6	93.1	90.8	98.3	95.5	113.3	119.4	154.8	162.7
45°	98.5	113.5	118.1	128.5	139.1	147.8	176.3	178.7	253.3	284.4	343.1
42.5°	124.6	148.1	167.2	171.1	221.9	248.9	288.6	353.8	419.3	479.3	519.2
40°	163.3	187.7	228.6	276.3	330.3	388.6	441.4	517.2	580.6	627.7	655.9
37.5°	207.5	253.8	309.6	395.7	468.6	528.0	588.1	653.5	713.2	754.7	808.6
35°	255.9	323.4	426.9	516.4	594.8	650.7	709.3	778.6	835.1	901.9	968.6
32.5°	314.7	394.5	524.2	620.9	684.6	750.8	818.4	891.4	972.2	1054.5	1139.9
30°	372.9	474.5	601.3	701.8	763.4	840.6	922.8	1008.4	1114.3	1218.1	1333.4
27.5°	418.6	543.2	663.8	767.7	839.5	930.8	1031.1	1142.8	1268.6	1395.6	1548.8
25°	459.5	594.3	726.9	837.0	928.1	1029.3	1147.2	1281.2	1431.0	1609.6	2091.3
22.5°	499.3	644.1	796.4	911.2	1013.6	1127.9	1270.1	1426.6	1602.8	1840.1	2692.1
20°	540.2	700.4	863.0	972.9	1091.6	1219.8	1386.4	1567.9	1786.5	2346.9	3603.6
17.5°	582.3	758.6	919.7	1027.0	1152.1	1308.4	1502.1	1706.9	1973.3	2821.4	4745.2
15°	623.3	813.4	965.2	1074.9	1212.9	1394.7	1611.1	1861.9	2303.9	3483.7	5889.0
12.5°	662.6	862.7	999.0	1116.1	1272.9	1476.1	1712.2	1993.7	2692.5	4377.5	7136.7
10°	699.5	906.3	1028.3	1155.4	1331.4	1552.6	1802.8	2109.7	3031.8	5091.7	8124.4
7.5°	739.4	943.7	1054.9	1192.8	1385.4	1622.5	1877.3	2198.9	3284.6	5639.4	8858.1
5°	775.6	974.0	1085.7	1236.5	1439.0	1685.6	1941.2	2273.7	3457.1	5986.5	9367.3
2.5°	807.3	998.3	1114.1	1278.0	1489.4	1740.9	1999.0	2348.5	3611.1	6279.9	10011.5
0°	834.3	1017.2	1139.8	1315.0	1532.9	1786.9	2046.4	2408.8	3714.0	6477.6	10758.7
-2.5°	850.8	1045.4	1182.6	1353.8	1568.8	1819.5	2089.2	2473.2	3818.2	6904.7	11043.3
-5°	862.7	1068.2	1220.9	1387.9	1597.9	1843.4	2120.5	2518.9	3863.1	7022.2	10960.4
-7.5°	869.6	1084.8	1253.8	1417.7	1623.9	1871.1	2169.9	2579.9	3883.4	6732.6	10490.7
-10°	873.3	1098.7	1275.3	1442.2	1647.9	1896.5	2208.4	2619.2	3800.0	6341.9	9950.3
-12.5°	882.6	1110.5	1292.4	1460.4	1664.0	1914.8	2238.4	2648.9	3610.0	5805.0	9207.6
-15°	885.1	1116.6	1306.7	1473.0	1680.7	1941.7	2261.1	2654.0	3335.6	5111.2	8259.3
-17.5°	880.1	1116.9	1316.6	1482.7	1689.1	1952.0	2268.2	2639.4	3130.6	4607.0	7305.2
-20°	867.3	1103.9	1319.7	1483.7	1685.9	1956.2	2271.9	2633.1	3080.6	4091.6	6148.2



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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°	846.5	1083.2	1309.0	1482.1	1696.9	1958.0	2261.4	2594.2	2972.1	3469.9	4996.3
-25°	824.2	1053.9	1281.3	1487.3	1699.0	1948.9	2217.2	2522.7	2871.7	3261.0	4174.5
-27.5°	800.1	1019.7	1252.8	1480.7	1688.7	1914.7	2163.9	2450.2	2737.6	3052.1	3441.1
-30°	770.9	982.5	1214.6	1456.8	1664.1	1875.4	2105.1	2336.6	2594.2	2877.2	3206.8
-32.5°	736.0	938.8	1167.4	1406.5	1631.7	1829.6	2021.8	2229.7	2459.5	2709.1	2981.6
-35°	698.0	894.5	1111.9	1345.4	1592.1	1773.9	1940.8	2120.6	2324.3	2552.3	2805.5
-37.5°	659.5	843.4	1046.8	1274.5	1514.4	1704.7	1855.1	2022.9	2202.2	2397.4	2632.9
-40°	615.8	784.5	979.0	1194.2	1406.9	1612.5	1777.8	1929.9	2087.5	2266.2	2458.5
-42.5°	568.7	727.2	904.8	1099.8	1292.9	1489.0	1696.0	1845.5	1986.4	2138.2	2306.7
-45°	529.4	663.9	824.5	997.9	1172.1	1361.9	1561.7	1761.5	1890.2	2021.5	2165.1
-47.5°	483.9	599.7	746.5	891.1	1051.7	1230.8	1420.0	1605.3	1788.0	1915.8	2036.6
-50°	440.5	545.3	657.5	790.5	933.6	1098.9	1272.3	1441.7	1613.0	1786.0	1923.9
-52.5°	410.6	487.1	584.4	689.5	821.8	967.9	1119.9	1270.9	1431.7	1596.8	1755.8
-55°	378.3	443.9	513.2	602.5	711.5	841.6	968.0	1103.3	1241.5	1393.7	1548.5
-57.5°	347.6	401.9	456.3	524.1	615.9	715.3	826.1	937.2	1062.5	1189.9	1322.5
-60°	317.1	361.7	407.9	462.0	525.2	609.0	689.3	786.1	890.1	994.9	1112.8
-62.5°	288.0	324.4	362.8	408.5	461.3	510.8	577.1	652.2	727.2	820.1	915.5
-65°	270.9	291.1	321.3	361.0	402.1	445.9	488.9	534.8	600.2	669.5	737.3
-67.5°	252.7	271.3	290.2	314.6	350.7	384.8	419.5	459.9	501.5	546.4	595.8
-70°	239.0	252.0	268.8	288.0	306.8	327.5	358.4	390.5	422.5	457.5	496.2
-72.5°	226.2	238.3	250.8	264.4	280.9	296.6	312.8	330.2	355.4	386.1	414.9
-75°	213.1	224.3	235.8	247.7	260.0	272.0	284.7	300.3	317.7	336.5	354.1
-77.5°	199.9	210.3	220.7	231.0	242.2	253.8	264.8	276.0	289.6	304.1	318.0
-80°	186.9	196.1	205.8	215.3	225.1	235.2	244.9	254.3	266.1	278.6	290.9
-82.5°	174.1	182.8	191.2	199.5	208.0	216.4	225.1	233.9	244.7	255.7	266.2
-85°	161.8	169.5	176.5	183.5	191.4	199.1	206.6	214.1	223.9	233.8	242.8
-87.5°	151.9	158.7	164.7	170.7	177.6	184.5	191.0	197.4	205.8	214.3	222.0
-90°	6.1	5.5	5.5	5.5	5.0	4.4	4.4	4.4	4.4	4.4	3.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	213.5	218.5	223.4	226.7	229.9	234.9	239.8	246.9	254.0	260.1	266.1
87.5°	4.2	3.8	3.3	3.2	3.2	3.2	3.2	2.7	2.2	2.2	2.2
85°	4.4	4.2	4.1	4.2	4.2	3.8	3.3	3.3	3.2	3.2	3.3
82.5°	4.9	4.7	4.4	4.4	4.4	4.3	4.2	3.8	3.3	3.3	3.3
80°	5.5	5.2	5.0	4.7	4.4	4.4	4.4	3.9	3.3	3.3	3.3
77.5°	5.7	5.6	5.5	5.1	4.5	4.4	4.4	3.9	3.4	3.3	3.3
75°	6.5	6.4	6.3	6.1	6.0	6.2	6.5	6.3	6.0	5.7	5.4
72.5°	9.8	9.9	9.7	10.3	10.8	11.3	11.6	11.9	12.4	13.2	14.1
70°	17.4	18.8	18.8	18.8	18.8	18.2	17.6	17.4	17.5	17.8	18.2
67.5°	26.3	27.4	27.9	28.1	25.7	24.0	23.4	23.4	24.5	26.5	29.3
65°	33.5	31.6	29.7	27.8	28.0	27.9	26.6	26.0	26.9	28.1	29.4
62.5°	39.9	31.7	26.5	23.9	24.3	25.2	22.7	20.9	20.3	19.9	20.0
60°	42.9	29.9	21.0	17.8	16.0	15.0	13.4	11.5	10.9	10.7	11.0
57.5°	43.3	28.4	16.7	13.2	10.1	7.8	6.6	5.8	5.8	5.6	5.4
55°	41.9	28.7	16.2	14.9	13.6	12.4	10.8	10.6	10.0	9.9	10.5
52.5°	43.4	40.3	33.0	32.0	39.0	39.2	33.7	41.5	46.8	50.9	52.8
50°	85.9	82.6	104.3	104.2	126.2	145.1	139.7	150.6	169.6	186.3	196.4
47.5°	200.8	216.5	249.1	278.4	311.5	353.2	371.7	384.9	401.5	423.8	438.8
45°	374.0	413.1	455.4	502.8	558.1	607.0	635.5	662.9	681.1	700.9	724.4
42.5°	555.2	601.9	664.7	721.4	781.2	838.4	883.4	923.1	1000.4	1110.8	1198.6
40°	710.5	763.5	836.5	912.0	982.5	1054.8	1253.6	1423.0	1634.1	1949.4	2228.8
37.5°	864.6	926.0	1007.4	1099.9	1312.6	1527.9	1962.2	2431.2	2837.6	3293.4	3753.7
35°	1032.6	1113.2	1222.0	1533.4	1927.1	2501.1	3123.8	3820.5	4411.8	5048.3	5980.6
32.5°	1230.8	1371.7	1723.6	2289.6	2995.6	3811.0	4583.4	5459.1	6197.8	7367.0	8790.9
30°	1486.5	1928.0	2603.6	3385.2	4337.8	5369.9	6338.4	7756.8	9414.0	10880.9	12092.4
27.5°	2103.1	2956.0	3899.3	4889.8	6082.7	7333.2	9363.9	11199.8	12982.8	14566.8	16407.0
25°	3023.9	4392.1	6004.2	7332.1	8953.0	11213.2	13509.4	15531.3	18241.1	20624.5	23298.1
22.5°	4326.1	6274.4	8351.0	10289.6	12779.0	15609.7	18699.0	22424.5	26188.9	30370.5	34090.5
20°	5597.2	8062.2	10691.9	13482.8	16670.9	20210.1	25260.1	31306.1	37106.9	43694.9	49250.0
17.5°	7289.9	10269.9	13379.8	16927.5	21026.3	26471.4	33925.2	42192.2	51162.4	60999.9	70096.9
15°	9011.3	12221.6	15835.3	20375.8	26173.4	33573.8	43083.0	54337.1	67455.3	81916.8	99498.1
12.5°	10422.0	13932.3	18158.0	23880.0	31462.7	41359.5	52880.8	66428.0	84412.6	106224.5	126650.6
10°	11627.2	15836.5	21176.1	27948.1	36867.2	48039.7	61127.9	77900.3	102126.6	127394.7	149810.6
7.5°	12868.8	17848.4	23503.3	30845.8	40986.8	53668.6	69785.3	91687.8	118343.0	144259.8	164816.1
5°	14039.8	19220.3	24971.7	32816.4	43783.1	57403.3	75689.5	102366.8	131373.5	156757.2	176069.8
2.5°	14957.1	19910.3	25745.0	34283.9	45294.7	59433.0	79390.7	108970.4	139398.5	164415.4	184218.9
0°	15432.9	20284.5	26174.1	35201.7	46548.4	61295.9	81512.6	111884.6	142662.9	167024.8	187209.8
-2.5°	15327.6	20103.9	25908.4	34493.4	46261.8	61632.9	83276.9	113403.3	143225.1	167914.9	186938.0
-5°	15106.1	19819.3	25543.8	33623.1	45235.9	60785.7	81361.2	109058.5	137859.7	163185.9	181679.4
-7.5°	14693.3	19342.9	24816.4	32349.9	43535.4	58260.4	76827.8	100895.8	128525.7	153900.6	171803.9
-10°	14086.1	18606.9	23772.5	30624.1	40669.6	54194.3	69979.8	88775.2	114621.8	138346.0	158238.8
-12.5°	13223.1	17565.7	22324.3	28212.1	37208.3	49127.2	62735.8	78352.5	96825.4	119705.7	138352.1
-15°	12124.8	16208.9	20630.8	26186.0	33708.3	43474.1	54947.9	67062.8	81221.7	97015.5	115190.8
-17.5°	10777.0	14613.4	18731.2	23520.3	29603.9	37797.5	46873.8	56326.8	66546.9	78169.7	88847.8
-20°	9169.8	12678.9	16559.4	21014.0	26226.8	32145.1	38742.9	46385.0	54306.9	62602.3	69941.8



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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°	7537.8	10738.9	14436.7	18331.8	22862.5	27380.0	31811.5	37493.6	43611.3	49616.8	55079.8
-25°	5897.9	8723.8	12162.0	15815.3	19451.8	23141.8	26739.9	30268.3	34670.5	38536.0	42545.8
-27.5°	4684.6	6798.6	9685.6	12873.8	16042.5	19121.5	22232.4	25179.7	27955.9	30290.4	32993.7
-30°	3684.2	5111.1	7341.3	9850.2	12622.8	15335.7	18016.4	20506.1	22692.3	24614.4	26491.7
-32.5°	3330.9	3913.7	5239.0	7145.4	9332.8	11712.9	13953.6	16092.1	17894.5	19680.7	21362.8
-35°	3081.3	3402.1	3835.4	5026.4	6450.9	8344.9	10101.3	11876.1	13389.8	15173.8	16553.2
-37.5°	2876.6	3123.7	3397.7	3678.6	4544.8	5493.1	6757.7	8088.1	9257.5	10754.0	11971.9
-40°	2678.5	2897.2	3111.4	3325.0	3555.3	3767.0	4519.7	5205.7	5999.0	7022.7	7898.5
-42.5°	2487.0	2679.6	2865.0	3038.6	3199.6	3338.5	3490.0	3635.2	4063.6	4585.3	4986.0
-45°	2315.0	2478.8	2634.0	2780.8	2903.4	3014.6	3131.4	3252.9	3412.1	3556.8	3676.4
-47.5°	2168.9	2298.4	2425.5	2545.1	2639.3	2734.2	2827.2	2932.0	3056.0	3177.5	3279.2
-50°	2036.7	2148.7	2245.3	2330.0	2408.3	2488.6	2562.6	2655.7	2755.5	2856.0	2940.1
-52.5°	1910.0	2009.7	2090.4	2154.8	2214.5	2280.0	2343.7	2418.0	2499.0	2583.5	2650.3
-55°	1697.2	1823.9	1941.0	2001.6	2048.3	2102.4	2156.3	2216.5	2284.9	2355.9	2408.9
-57.5°	1462.0	1587.0	1697.3	1775.9	1853.5	1932.8	1992.1	2039.2	2101.1	2161.7	2207.5
-60°	1225.8	1330.7	1428.1	1507.5	1588.5	1667.8	1734.5	1795.9	1872.5	1942.0	1998.6
-62.5°	1005.9	1097.6	1172.8	1237.1	1306.1	1375.1	1438.7	1499.2	1568.7	1631.2	1684.2
-65°	806.0	883.0	938.6	989.2	1044.0	1101.2	1151.5	1201.7	1257.5	1307.5	1351.0
-67.5°	651.8	702.8	737.5	769.7	813.2	857.6	897.1	937.0	979.7	1017.5	1050.5
-70°	533.6	565.4	586.8	611.4	642.5	670.9	696.8	726.0	757.4	786.4	812.6
-72.5°	442.3	464.2	480.2	499.9	519.6	537.6	554.0	575.0	597.9	620.2	641.5
-75°	370.5	384.7	400.0	414.2	427.7	440.8	452.9	469.7	487.3	504.1	520.3
-77.5°	332.5	343.0	351.6	359.5	366.8	375.3	383.7	397.9	413.3	426.3	438.5
-80°	302.9	311.2	318.3	324.3	329.9	336.8	343.8	355.4	367.5	378.4	389.1
-82.5°	276.5	283.5	290.1	295.7	301.0	306.9	312.8	323.0	333.4	342.7	351.9
-85°	251.8	257.9	263.7	268.6	273.5	279.0	284.4	293.3	302.2	310.5	318.7
-87.5°	229.6	235.0	240.4	244.1	247.7	253.0	258.3	266.2	274.0	281.4	288.7
-90°	3.3	3.3	3.3	2.8	2.2	2.2	2.2	2.2	2.2	1.7	1.1



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	269.4	272.6	273.2	273.7	273.2	272.6	269.4	266.1	260.1	254.0	246.9
87.5°	1.6	1.1	1.6	2.2	1.6	1.1	1.6	2.2	2.2	2.2	2.7
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.3
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.8
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.9
77.5°	2.8	2.2	2.7	3.3	2.7	2.2	2.8	3.3	3.3	3.4	3.9
75°	4.9	4.4	3.9	3.3	3.9	4.4	4.9	5.4	5.7	6.0	6.3
72.5°	14.7	15.0	15.7	16.4	15.7	15.0	14.7	14.1	13.2	12.4	11.9
70°	17.5	16.5	16.4	16.4	16.4	16.5	17.5	18.2	17.8	17.5	17.4
67.5°	31.4	33.1	33.7	33.9	33.7	33.1	31.4	29.3	26.5	24.5	23.4
65°	30.6	31.7	31.8	31.8	31.8	31.7	30.6	29.4	28.1	26.9	26.0
62.5°	20.4	21.0	21.4	21.9	21.4	21.0	20.4	20.0	19.9	20.3	20.9
60°	11.5	12.1	12.6	13.1	12.6	12.1	11.5	11.0	10.7	10.9	11.5
57.5°	5.4	5.6	6.0	6.6	6.0	5.6	5.4	5.4	5.6	5.8	5.8
55°	11.0	11.6	11.9	12.0	11.9	11.6	11.0	10.5	9.9	10.0	10.6
52.5°	51.9	49.4	47.5	46.0	47.5	49.4	51.9	52.8	50.9	46.8	41.5
50°	200.6	195.8	190.2	185.0	190.2	195.8	200.6	196.4	186.3	169.6	150.6
47.5°	447.6	443.7	435.5	424.8	435.5	443.7	447.6	438.8	423.8	401.5	384.9
45°	756.6	778.5	788.3	782.9	788.3	778.5	756.6	724.4	700.9	681.1	662.9
42.5°	1228.4	1247.8	1249.5	1220.8	1249.5	1247.8	1228.4	1198.6	1110.8	1000.4	923.1
40°	2430.9	2599.4	2657.1	2483.3	2657.1	2599.4	2430.9	2228.8	1949.4	1634.1	1423.0
37.5°	4308.4	4970.3	5522.3	5543.6	5522.3	4970.3	4308.4	3753.7	3293.4	2837.6	2431.2
35°	6982.6	7663.5	7992.7	7978.7	7992.7	7663.5	6982.6	5980.6	5048.3	4411.8	3820.5
32.5°	9814.1	10329.9	10659.6	10580.2	10659.6	10329.9	9814.1	8790.9	7367.0	6197.8	5459.1
30°	12957.6	13436.2	13820.4	13814.6	13820.4	13436.2	12957.6	12092.4	10880.9	9414.0	7756.8
27.5°	17905.0	18891.2	19675.1	19542.2	19675.1	18891.2	17905.0	16407.0	14566.8	12982.8	11199.8
25°	25553.4	27357.5	28633.0	28370.5	28633.0	27357.5	25553.4	23298.1	20624.5	18241.1	15531.3
22.5°	36852.3	39166.6	40134.3	39366.8	40134.3	39166.6	36852.3	34090.5	30370.5	26188.9	22424.5
20°	54542.2	58832.9	61500.5	59909.8	61500.5	58832.9	54542.2	49250.0	43694.9	37106.9	31306.1
17.5°	81871.1	91179.5	98534.4	98331.7	98534.4	91179.5	81871.1	70096.9	60999.9	51162.4	42192.2
15°	114805.2	125400.0	133558.0	134501.3	133558.0	125400.0	114805.2	99498.1	81916.8	67455.3	54337.1
12.5°	144294.2	155069.2	163052.5	165349.7	163052.5	155069.2	144294.2	126650.6	106224.5	84412.6	66428.0
10°	165310.9	176063.6	183790.8	186515.6	183790.8	176063.6	165310.9	149810.6	127394.7	102126.6	77900.3
7.5°	180728.5	192394.3	198186.5	201147.0	198186.5	192394.3	180728.5	164816.1	144259.8	118343.0	91687.8
5°	191822.5	202664.4	208267.9	211855.4	208267.9	202664.4	191822.5	176069.8	156757.2	131373.5	102366.8
2.5°	198815.9	209051.6	215780.8	218998.7	215780.8	209051.6	198815.9	184218.9	164415.4	139398.5	108970.4
0°	201073.2	210899.5	218441.9	221326.4	218441.9	210899.5	201073.2	187209.8	167024.8	142662.9	111884.6
-2.5°	200023.2	209649.1	215664.5	216830.7	215664.5	209649.1	200023.2	186938.0	167914.9	143225.1	113403.3
-5°	194559.5	203431.3	208986.0	209898.7	208986.0	203431.3	194559.5	181679.4	163185.9	137859.7	109058.5
-7.5°	185140.1	193990.1	198581.4	199933.3	198581.4	193990.1	185140.1	171803.9	153900.6	128525.7	100895.8
-10°	171482.9	180033.0	184940.1	186103.9	184940.1	180033.0	171482.9	158238.8	138346.0	114621.8	88775.2
-12.5°	152847.4	161968.5	167460.6	168670.6	167460.6	161968.5	152847.4	138352.1	119705.7	96825.4	78352.5
-15°	128682.6	138064.9	145075.9	146772.1	145075.9	138064.9	128682.6	115190.8	97015.5	81221.7	67062.8
-17.5°	100827.8	110216.6	116516.7	117719.4	116516.7	110216.6	100827.8	88847.8	78169.7	66546.9	56326.8
-20°	76837.4	82875.7	86431.4	87050.7	86431.4	82875.7	76837.4	69941.8	62602.3	54306.9	46385.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	59544.3	63602.7	65767.6	66073.1	65767.6	63602.7	59544.3	55079.8	49616.8	43611.3	37493.6
-25°	46141.2	49089.9	50702.4	50970.8	50702.4	49089.9	46141.2	42545.8	38536.0	34670.5	30268.3
-27.5°	35428.5	37260.2	38760.5	38448.2	38760.5	37260.2	35428.5	32993.7	30290.4	27955.9	25179.7
-30°	28034.1	29208.9	30095.1	29862.9	30095.1	29208.9	28034.1	26491.7	24614.4	22692.3	20506.1
-32.5°	22689.8	23610.2	24233.2	24399.2	24233.2	23610.2	22689.8	21362.8	19680.7	17894.5	16092.1
-35°	17635.6	18387.7	18819.4	18987.0	18819.4	18387.7	17635.6	16553.2	15173.8	13389.8	11876.1
-37.5°	12875.8	13535.5	13947.4	14090.6	13947.4	13535.5	12875.8	11971.9	10754.0	9257.5	8088.1
-40°	8569.2	9077.5	9414.9	9545.5	9414.9	9077.5	8569.2	7898.5	7022.7	5999.0	5205.7
-42.5°	5298.2	5536.2	5686.9	5734.1	5686.9	5536.2	5298.2	4986.0	4585.3	4063.6	3635.2
-45°	3768.7	3834.4	3872.1	3879.3	3872.1	3834.4	3768.7	3676.4	3556.8	3412.1	3252.9
-47.5°	3358.6	3410.4	3436.9	3438.1	3436.9	3410.4	3358.6	3279.2	3177.5	3056.0	2932.0
-50°	3009.5	3057.5	3081.7	3083.3	3081.7	3057.5	3009.5	2940.1	2856.0	2755.5	2655.7
-52.5°	2705.1	2743.3	2761.1	2761.4	2761.1	2743.3	2705.1	2650.3	2583.5	2499.0	2418.0
-55°	2452.3	2482.1	2493.1	2490.9	2493.1	2482.1	2452.3	2408.9	2355.9	2284.9	2216.5
-57.5°	2245.5	2274.7	2283.8	2280.7	2283.8	2274.7	2245.5	2207.5	2161.7	2101.1	2039.2
-60°	2042.8	2073.9	2085.7	2084.7	2085.7	2073.9	2042.8	1998.6	1942.0	1872.5	1795.9
-62.5°	1722.1	1746.0	1758.8	1762.8	1758.8	1746.0	1722.1	1684.2	1631.2	1568.7	1499.2
-65°	1380.9	1400.0	1410.3	1413.5	1410.3	1400.0	1380.9	1351.0	1307.5	1257.5	1201.7
-67.5°	1071.8	1085.6	1092.2	1093.8	1092.2	1085.6	1071.8	1050.5	1017.5	979.7	937.0
-70°	829.0	840.2	845.5	847.5	845.5	840.2	829.0	812.6	786.4	757.4	726.0
-72.5°	653.8	662.8	666.4	667.9	666.4	662.8	653.8	641.5	620.2	597.9	575.0
-75°	527.9	533.3	535.4	536.5	535.4	533.3	527.9	520.3	504.1	487.3	469.7
-77.5°	445.2	451.0	453.0	454.4	453.0	451.0	445.2	438.5	426.3	413.3	397.9
-80°	393.9	398.0	399.5	400.7	399.5	398.0	393.9	389.1	378.4	367.5	355.4
-82.5°	357.6	363.0	363.4	363.5	363.4	363.0	357.6	351.9	342.7	333.4	323.0
-85°	323.0	327.1	327.9	328.5	327.9	327.1	323.0	318.7	310.5	302.2	293.3
-87.5°	292.7	296.6	296.7	296.7	296.7	296.6	292.7	288.7	281.4	274.0	266.2
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	239.8	234.9	229.9	226.7	223.4	218.5	213.5	206.4	199.3	192.2	185.0
87.5°	3.2	3.2	3.2	3.2	3.3	3.8	4.2	4.3	4.4	4.4	4.4
85°	3.3	3.8	4.2	4.2	4.1	4.2	4.4	4.7	5.0	4.9	4.9
82.5°	4.2	4.3	4.4	4.4	4.4	4.7	4.9	5.2	5.5	5.6	5.7
80°	4.4	4.4	4.4	4.7	5.0	5.2	5.5	5.6	5.7	6.1	6.4
77.5°	4.4	4.4	4.5	5.1	5.5	5.6	5.7	6.2	6.4	6.5	6.6
75°	6.5	6.2	6.0	6.1	6.3	6.4	6.5	6.5	6.7	6.9	6.8
72.5°	11.6	11.3	10.8	10.3	9.7	9.9	9.8	9.3	8.8	8.2	7.6
70°	17.6	18.2	18.8	18.8	18.8	18.8	17.4	15.4	13.6	12.9	11.1
67.5°	23.4	24.0	25.7	28.1	27.9	27.4	26.3	24.7	22.1	19.7	16.1
65°	26.6	27.9	28.0	27.8	29.7	31.6	33.5	32.7	32.6	29.2	23.0
62.5°	22.7	25.2	24.3	23.9	26.5	31.7	39.9	43.6	45.6	42.4	34.7
60°	13.4	15.0	16.0	17.8	21.0	29.9	42.9	52.3	60.4	54.9	45.9
57.5°	6.6	7.8	10.1	13.2	16.7	28.4	43.3	56.2	65.3	61.8	56.0
55°	10.8	12.4	13.6	14.9	16.2	28.7	41.9	55.2	65.1	64.0	59.0
52.5°	33.7	39.2	39.0	32.0	33.0	40.3	43.4	57.3	66.3	67.5	63.5
50°	139.7	145.1	126.2	104.2	104.3	82.6	85.9	82.5	79.8	81.9	74.0
47.5°	371.7	353.2	311.5	278.4	249.1	216.5	200.8	162.7	154.8	119.4	113.3
45°	635.5	607.0	558.1	502.8	455.4	413.1	374.0	343.1	284.4	253.3	178.7
42.5°	883.4	838.4	781.2	721.4	664.7	601.9	555.2	519.2	479.3	419.3	353.8
40°	1253.6	1054.8	982.5	912.0	836.5	763.5	710.5	655.9	627.7	580.6	517.2
37.5°	1962.2	1527.9	1312.6	1099.9	1007.4	926.0	864.6	808.6	754.7	713.2	653.5
35°	3123.8	2501.1	1927.1	1533.4	1222.0	1113.2	1032.6	968.6	901.9	835.1	778.6
32.5°	4583.4	3811.0	2995.6	2289.6	1723.6	1371.7	1230.8	1139.9	1054.5	972.2	891.4
30°	6338.4	5369.9	4337.8	3385.2	2603.6	1928.0	1486.5	1333.4	1218.1	1114.3	1008.4
27.5°	9363.9	7333.2	6082.7	4889.8	3899.3	2956.0	2103.1	1548.8	1395.6	1268.6	1142.8
25°	13509.4	11213.2	8953.0	7332.1	6004.2	4392.1	3023.9	2091.3	1609.6	1431.0	1281.2
22.5°	18699.0	15609.7	12779.0	10289.6	8351.0	6274.4	4326.1	2692.1	1840.1	1602.8	1426.6
20°	25260.1	20210.1	16670.9	13482.8	10691.9	8062.2	5597.2	3603.6	2346.9	1786.5	1567.9
17.5°	33925.2	26471.4	21026.3	16927.5	13379.8	10269.9	7289.9	4745.2	2821.4	1973.3	1706.9
15°	43083.0	33573.8	26173.4	20375.8	15835.3	12221.6	9011.3	5889.0	3483.7	2303.9	1861.9
12.5°	52880.8	41359.5	31462.7	23880.0	18158.0	13932.3	10422.0	7136.7	4377.5	2692.5	1993.7
10°	61127.9	48039.7	36867.2	27948.1	21176.1	15836.5	11627.2	8124.4	5091.7	3031.8	2109.7
7.5°	69785.3	53668.6	40986.8	30845.8	23503.3	17848.4	12868.8	8858.1	5639.4	3284.6	2198.9
5°	75689.5	57403.3	43783.1	32816.4	24971.7	19220.3	14039.8	9367.3	5986.5	3457.1	2273.7
2.5°	79390.7	59433.0	45294.7	34283.9	25745.0	19910.3	14957.1	10011.5	6279.9	3611.1	2348.5
0°	81512.6	61295.9	46548.4	35201.7	26174.1	20284.5	15432.9	10758.7	6477.6	3714.0	2408.8
-2.5°	83276.9	61632.9	46261.8	34493.4	25908.4	20103.9	15327.6	11043.3	6904.7	3818.2	2473.2
-5°	81361.2	60785.7	45235.9	33623.1	25543.8	19819.3	15106.1	10960.4	7022.2	3863.1	2518.9
-7.5°	76827.8	58260.4	43535.4	32349.9	24816.4	19342.9	14693.3	10490.7	6732.6	3883.4	2579.9
-10°	69979.8	54194.3	40669.6	30624.1	23772.5	18606.9	14086.1	9950.3	6341.9	3800.0	2619.2
-12.5°	62735.8	49127.2	37208.3	28212.1	22324.3	17565.7	13223.1	9207.6	5805.0	3610.0	2648.9
-15°	54947.9	43474.1	33708.3	26186.0	20630.8	16208.9	12124.8	8259.3	5111.2	3335.6	2654.0
-17.5°	46873.8	37797.5	29603.9	23520.3	18731.2	14613.4	10777.0	7305.2	4607.0	3130.6	2639.4
-20°	38742.9	32145.1	26226.8	21014.0	16559.4	12678.9	9169.8	6148.2	4091.6	3080.6	2633.1



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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°	31811.5	27380.0	22862.5	18331.8	14436.7	10738.9	7537.8	4996.3	3469.9	2972.1	2594.2
-25°	26739.9	23141.8	19451.8	15815.3	12162.0	8723.8	5897.9	4174.5	3261.0	2871.7	2522.7
-27.5°	22232.4	19121.5	16042.5	12873.8	9685.6	6798.6	4684.6	3441.1	3052.1	2737.6	2450.2
-30°	18016.4	15335.7	12622.8	9850.2	7341.3	5111.1	3684.2	3206.8	2877.2	2594.2	2336.6
-32.5°	13953.6	11712.9	9332.8	7145.4	5239.0	3913.7	3330.9	2981.6	2709.1	2459.5	2229.7
-35°	10101.3	8344.9	6450.9	5026.4	3835.4	3402.1	3081.3	2805.5	2552.3	2324.3	2120.6
-37.5°	6757.7	5493.1	4544.8	3678.6	3397.7	3123.7	2876.6	2632.9	2397.4	2202.2	2022.9
-40°	4519.7	3767.0	3555.3	3325.0	3111.4	2897.2	2678.5	2458.5	2266.2	2087.5	1929.9
-42.5°	3490.0	3338.5	3199.6	3038.6	2865.0	2679.6	2487.0	2306.7	2138.2	1986.4	1845.5
-45°	3131.4	3014.6	2903.4	2780.8	2634.0	2478.8	2315.0	2165.1	2021.5	1890.2	1761.5
-47.5°	2827.2	2734.2	2639.3	2545.1	2425.5	2298.4	2168.9	2036.6	1915.8	1788.0	1605.3
-50°	2562.6	2488.6	2408.3	2330.0	2245.3	2148.7	2036.7	1923.9	1786.0	1613.0	1441.7
-52.5°	2343.7	2280.0	2214.5	2154.8	2090.4	2009.7	1910.0	1755.8	1596.8	1431.7	1270.9
-55°	2156.3	2102.4	2048.3	2001.6	1941.0	1823.9	1697.2	1548.5	1393.7	1241.5	1103.3
-57.5°	1992.1	1932.8	1853.5	1775.9	1697.3	1587.0	1462.0	1322.5	1189.9	1062.5	937.2
-60°	1734.5	1667.8	1588.5	1507.5	1428.1	1330.7	1225.8	1112.8	994.9	890.1	786.1
-62.5°	1438.7	1375.1	1306.1	1237.1	1172.8	1097.6	1005.9	915.5	820.1	727.2	652.2
-65°	1151.5	1101.2	1044.0	989.2	938.6	883.0	806.0	737.3	669.5	600.2	534.8
-67.5°	897.1	857.6	813.2	769.7	737.5	702.8	651.8	595.8	546.4	501.5	459.9
-70°	696.8	670.9	642.5	611.4	586.8	565.4	533.6	496.2	457.5	422.5	390.5
-72.5°	554.0	537.6	519.6	499.9	480.2	464.2	442.3	414.9	386.1	355.4	330.2
-75°	452.9	440.8	427.7	414.2	400.0	384.7	370.5	354.1	336.5	317.7	300.3
-77.5°	383.7	375.3	366.8	359.5	351.6	343.0	332.5	318.0	304.1	289.6	276.0
-80°	343.8	336.8	329.9	324.3	318.3	311.2	302.9	290.9	278.6	266.1	254.3
-82.5°	312.8	306.9	301.0	295.7	290.1	283.5	276.5	266.2	255.7	244.7	233.9
-85°	284.4	279.0	273.5	268.6	263.7	257.9	251.8	242.8	233.8	223.9	214.1
-87.5°	258.3	253.0	247.7	244.1	240.4	235.0	229.6	222.0	214.3	205.8	197.4
-90°	2.2	2.2	2.2	2.8	3.3	3.3	3.3	3.9	4.4	4.4	4.4



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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°	178.5	171.9	165.4	158.8	153.3	147.8	141.8	135.8	127.6	119.3	106.8
87.5°	4.8	5.1	5.6	6.1	6.1	6.1	6.6	7.1	7.0	7.0	7.5
85°	5.4	5.8	6.2	6.6	6.6	6.6	7.1	7.5	7.4	7.4	7.8
82.5°	6.1	6.5	6.5	6.6	7.0	7.2	7.6	8.0	7.9	7.8	8.2
80°	6.5	6.7	6.9	7.0	7.3	7.8	8.2	8.5	8.6	8.6	8.7
77.5°	6.6	6.7	7.3	7.6	7.6	7.8	8.4	8.9	9.3	9.3	9.4
75°	6.6	6.8	7.4	7.8	7.8	7.9	8.4	9.0	9.7	10.1	10.1
72.5°	7.4	7.4	7.7	8.0	8.3	8.6	8.8	9.2	10.0	10.5	10.7
70°	9.3	8.4	8.4	8.8	9.1	9.4	9.8	10.1	10.4	11.0	11.3
67.5°	12.1	10.8	10.0	9.9	10.2	10.5	10.8	11.1	11.3	11.6	11.9
65°	19.0	15.4	12.0	11.9	11.7	11.7	11.9	12.4	12.2	12.9	12.5
62.5°	27.5	22.0	18.4	15.3	14.3	15.0	13.3	14.8	13.6	14.4	14.0
60°	37.2	29.5	25.7	22.6	20.2	19.8	18.9	17.7	17.2	16.1	15.9
57.5°	45.4	36.3	34.1	30.7	29.3	27.2	26.1	23.9	21.5	20.1	18.0
55°	51.8	44.2	43.3	40.4	39.8	36.7	35.0	32.1	27.2	24.9	20.4
52.5°	55.5	54.5	53.5	53.4	52.7	48.3	46.4	40.9	36.7	30.1	25.3
50°	64.7	68.3	67.0	70.2	67.8	65.4	58.7	53.0	46.8	36.9	30.6
47.5°	95.5	98.3	90.8	93.1	88.6	85.2	76.7	66.7	57.7	47.0	36.1
45°	176.3	147.8	139.1	128.5	118.1	113.5	98.5	81.3	71.1	57.6	41.8
42.5°	288.6	248.9	221.9	171.1	167.2	148.1	124.6	104.9	85.2	68.7	50.0
40°	441.4	388.6	330.3	276.3	228.6	187.7	163.3	132.1	100.0	80.9	59.9
37.5°	588.1	528.0	468.6	395.7	309.6	253.8	207.5	161.6	119.2	94.9	70.1
35°	709.3	650.7	594.8	516.4	426.9	323.4	255.9	197.4	146.5	109.6	80.4
32.5°	818.4	750.8	684.6	620.9	524.2	394.5	314.7	238.2	174.5	124.8	90.7
30°	922.8	840.6	763.4	701.8	601.3	474.5	372.9	277.1	203.0	140.4	101.3
27.5°	1031.1	930.8	839.5	767.7	663.8	543.2	418.6	314.1	231.9	157.6	112.8
25°	1147.2	1029.3	928.1	837.0	726.9	594.3	459.5	349.1	262.1	177.4	123.8
22.5°	1270.1	1127.9	1013.6	911.2	796.4	644.1	499.3	385.0	285.5	196.0	134.3
20°	1386.4	1219.8	1091.6	972.9	863.0	700.4	540.2	414.0	307.4	213.2	144.1
17.5°	1502.1	1308.4	1152.1	1027.0	919.7	758.6	582.3	441.1	327.6	229.1	153.4
15°	1611.1	1394.7	1212.9	1074.9	965.2	813.4	623.3	466.6	346.2	243.5	162.7
12.5°	1712.2	1476.1	1272.9	1116.1	999.0	862.7	662.6	490.3	363.0	258.0	172.1
10°	1802.8	1552.6	1331.4	1155.4	1028.3	906.3	699.5	516.3	384.8	272.4	180.9
7.5°	1877.3	1622.5	1385.4	1192.8	1054.9	943.7	739.4	549.7	406.2	285.4	189.0
5°	1941.2	1685.6	1439.0	1236.5	1085.7	974.0	775.6	581.2	426.1	296.9	196.5
2.5°	1999.0	1740.9	1489.4	1278.0	1114.1	998.3	807.3	610.2	444.1	306.9	203.2
0°	2046.4	1786.9	1532.9	1315.0	1139.8	1017.2	834.3	636.1	459.9	315.3	209.1
-2.5°	2089.2	1819.5	1568.8	1353.8	1182.6	1045.4	850.8	649.1	472.9	326.4	216.3
-5°	2120.5	1843.4	1597.9	1387.9	1220.9	1068.2	862.7	658.6	483.1	335.6	222.6
-7.5°	2169.9	1871.1	1623.9	1417.7	1253.8	1084.8	869.6	664.6	490.6	342.8	227.9
-10°	2208.4	1896.5	1647.9	1442.2	1275.3	1098.7	873.3	667.2	495.4	347.8	232.2
-12.5°	2238.4	1914.8	1664.0	1460.4	1292.4	1110.5	882.6	670.2	497.2	350.4	235.4
-15°	2261.1	1941.7	1680.7	1473.0	1306.7	1116.6	885.1	670.0	495.0	350.0	237.5
-17.5°	2268.2	1952.0	1689.1	1482.7	1316.6	1116.9	880.1	664.4	489.5	346.6	238.9
-20°	2271.9	1956.2	1685.9	1483.7	1319.7	1103.9	867.3	652.9	480.7	341.1	239.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2261.4	1958.0	1696.9	1482.1	1309.0	1083.2	846.5	635.9	468.4	333.5	239.2
-25°	2217.2	1948.9	1699.0	1487.3	1281.3	1053.9	824.2	618.1	452.7	323.8	237.8
-27.5°	2163.9	1914.7	1688.7	1480.7	1252.8	1019.7	800.1	602.9	439.1	312.1	235.4
-30°	2105.1	1875.4	1664.1	1456.8	1214.6	982.5	770.9	583.0	426.6	305.1	231.9
-32.5°	2021.8	1829.6	1631.7	1406.5	1167.4	938.8	736.0	558.1	410.8	301.0	228.9
-35°	1940.8	1773.9	1592.1	1345.4	1111.9	894.5	698.0	528.1	391.7	295.3	225.5
-37.5°	1855.1	1704.7	1514.4	1274.5	1046.8	843.4	659.5	499.4	369.3	287.8	220.9
-40°	1777.8	1612.5	1406.9	1194.2	979.0	784.5	615.8	471.4	354.9	278.7	215.1
-42.5°	1696.0	1489.0	1292.9	1099.8	904.8	727.2	568.7	440.1	343.0	269.8	208.1
-45°	1561.7	1361.9	1172.1	997.9	824.5	663.9	529.4	408.2	328.9	260.3	202.1
-47.5°	1420.0	1230.8	1051.7	891.1	746.5	599.7	483.9	389.6	312.7	249.4	198.5
-50°	1272.3	1098.9	933.6	790.5	657.5	545.3	440.5	368.4	298.2	236.9	194.3
-52.5°	1119.9	967.9	821.8	689.5	584.4	487.1	410.6	344.0	281.9	228.7	189.5
-55°	968.0	841.6	711.5	602.5	513.2	443.9	378.3	320.7	263.9	221.8	184.4
-57.5°	826.1	715.3	615.9	524.1	456.3	401.9	347.6	295.6	252.4	214.1	181.4
-60°	689.3	609.0	525.2	462.0	407.9	361.7	317.1	273.3	242.1	206.3	177.7
-62.5°	577.1	510.8	461.3	408.5	362.8	324.4	288.0	259.1	230.4	200.8	173.3
-65°	488.9	445.9	402.1	361.0	321.3	291.1	270.9	244.4	220.9	194.7	168.3
-67.5°	419.5	384.8	350.7	314.6	290.2	271.3	252.7	232.7	212.0	188.0	162.8
-70°	358.4	327.5	306.8	288.0	268.8	252.0	239.0	222.2	202.6	181.0	156.9
-72.5°	312.8	296.6	280.9	264.4	250.8	238.3	226.2	211.2	193.2	173.5	150.7
-75°	284.7	272.0	260.0	247.7	235.8	224.3	213.1	199.9	183.3	165.6	144.2
-77.5°	264.8	253.8	242.2	231.0	220.7	210.3	199.9	188.3	173.2	157.4	137.4
-80°	244.9	235.2	225.1	215.3	205.8	196.1	186.9	176.6	163.0	148.9	130.4
-82.5°	225.1	216.4	208.0	199.5	191.2	182.8	174.1	164.8	152.5	140.0	123.8
-85°	206.6	199.1	191.4	183.5	176.5	169.5	161.8	154.0	143.6	133.2	118.3
-87.5°	191.0	184.5	177.6	170.7	164.7	158.7	151.9	145.0	135.7	126.4	112.6
-90°	4.4	4.4	5.0	5.5	5.5	5.5	6.1	6.6	6.6	6.6	7.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	94.2	78.3	62.4	44.9	27.4	18.6	9.9
87.5°	8.0	8.1	8.1	8.0	7.9	9.0	9.9
85°	8.3	8.4	8.5	8.3	8.1	9.2	9.9
82.5°	8.6	8.8	8.8	8.6	8.3	9.4	9.9
80°	8.9	9.2	9.2	8.8	8.5	9.6	9.9
77.5°	9.5	9.6	9.6	9.1	8.7	9.8	9.9
75°	10.0	10.0	10.0	9.4	9.0	10.0	9.9
72.5°	10.6	10.5	10.4	9.7	9.2	10.2	9.9
70°	11.2	11.0	10.8	10.0	9.5	10.4	9.9
67.5°	11.9	11.4	11.2	10.4	9.8	10.6	9.9
65°	12.8	12.2	11.6	10.8	10.1	10.8	9.9
62.5°	13.7	13.2	12.1	11.3	10.4	11.0	9.9
60°	14.7	14.2	12.6	11.7	10.8	11.3	9.9
57.5°	16.8	15.3	13.7	12.2	11.4	11.5	9.9
55°	19.1	16.5	14.9	12.6	12.0	11.7	9.9
52.5°	21.5	17.9	16.2	13.1	12.7	11.9	9.9
50°	24.1	20.3	17.5	13.6	13.4	12.2	9.9
47.5°	27.0	22.9	18.9	14.2	14.1	12.4	9.9
45°	32.0	25.7	20.4	15.3	14.9	12.6	9.9
42.5°	37.1	28.5	21.9	16.4	15.7	12.9	9.9
40°	42.5	31.4	23.8	18.1	16.6	13.1	9.9
37.5°	48.1	34.4	26.1	20.0	17.5	13.3	9.9
35°	53.7	38.5	28.5	21.9	18.4	13.6	9.9
32.5°	60.2	43.0	30.8	23.9	19.4	13.8	9.9
30°	68.5	47.4	33.2	25.9	20.3	14.0	9.9
27.5°	76.7	51.7	36.4	27.9	21.3	14.3	9.9
25°	84.5	55.9	39.6	29.9	22.3	14.5	9.9
22.5°	92.1	60.3	42.7	31.9	23.3	14.7	9.9
20°	99.4	65.3	45.8	33.9	24.4	14.9	9.9
17.5°	107.0	70.2	48.8	35.8	25.4	15.2	9.9
15°	114.5	74.9	51.7	37.8	26.4	15.4	9.9
12.5°	121.5	79.4	54.5	39.6	27.4	15.6	9.9
10°	128.0	83.7	57.2	41.5	28.3	15.7	9.9
7.5°	134.0	87.8	59.8	43.3	29.3	15.9	9.9
5°	139.5	91.6	62.3	45.0	30.2	16.1	9.9
2.5°	144.5	95.2	64.6	46.6	31.0	16.3	9.9
0°	148.9	98.5	66.8	48.2	31.8	16.4	9.9
-2.5°	154.0	102.5	69.9	50.2	33.0	17.0	9.9
-5°	158.5	106.1	72.9	52.2	34.2	17.6	9.9
-7.5°	162.4	109.5	75.6	54.0	35.2	18.1	9.9
-10°	165.6	112.5	78.2	55.7	36.3	18.7	9.9
-12.5°	168.1	115.1	80.6	57.3	37.2	19.2	9.9
-15°	170.0	117.4	82.8	58.8	38.1	19.7	9.9
-17.5°	171.1	119.3	84.7	60.1	38.9	20.2	9.9
-20°	171.9	120.8	86.4	61.3	39.6	20.6	9.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	172.8	122.0	87.9	62.3	40.3	21.0	9.9
-25°	172.8	123.4	89.1	63.2	40.9	21.4	9.9
-27.5°	172.1	124.7	90.1	63.9	41.3	21.7	9.9
-30°	170.6	125.6	90.8	64.5	41.8	22.1	9.9
-32.5°	168.3	126.0	92.0	64.9	42.1	22.3	9.9
-35°	167.4	126.0	93.0	65.1	42.3	22.6	9.9
-37.5°	166.9	126.0	93.7	65.2	42.5	22.8	9.9
-40°	165.9	126.5	94.1	65.1	42.6	22.9	9.9
-42.5°	164.1	126.7	94.4	65.0	42.6	23.1	9.9
-45°	161.6	126.6	94.6	65.1	42.5	23.2	9.9
-47.5°	158.6	126.1	94.5	65.1	42.3	23.2	9.9
-50°	157.0	125.3	94.1	65.1	42.0	23.2	9.9
-52.5°	155.3	124.2	93.5	65.0	41.7	23.2	9.9
-55°	153.2	122.7	92.5	64.7	41.2	23.1	9.9
-57.5°	150.7	120.8	91.3	64.3	40.7	23.0	9.9
-60°	147.9	118.6	89.9	63.6	40.1	22.9	9.9
-62.5°	144.6	116.1	88.7	62.8	39.5	22.7	9.9
-65°	140.9	113.2	87.2	61.9	38.8	22.5	9.9
-67.5°	136.8	110.3	85.5	60.8	38.0	22.2	9.9
-70°	132.3	107.4	83.6	59.5	37.1	21.9	9.9
-72.5°	127.8	104.1	81.4	58.1	36.2	21.6	9.9
-75°	122.9	100.5	79.1	56.6	35.1	21.3	9.9
-77.5°	117.7	96.7	76.7	55.0	34.0	20.9	9.9
-80°	112.2	93.2	74.2	53.2	32.8	20.5	9.9
-82.5°	107.8	89.7	71.5	51.3	31.5	20.1	9.9
-85°	103.5	86.0	68.6	49.3	30.2	19.6	9.9
-87.5°	98.9	82.3	65.6	47.1	28.8	19.1	9.9
-90°	7.7	7.7	7.7	7.7	7.7	8.8	9.9

(END OF REPORT)