

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: P1305728 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-4S-VHE-A**

Issue Date: 2/3/2026

Test Information

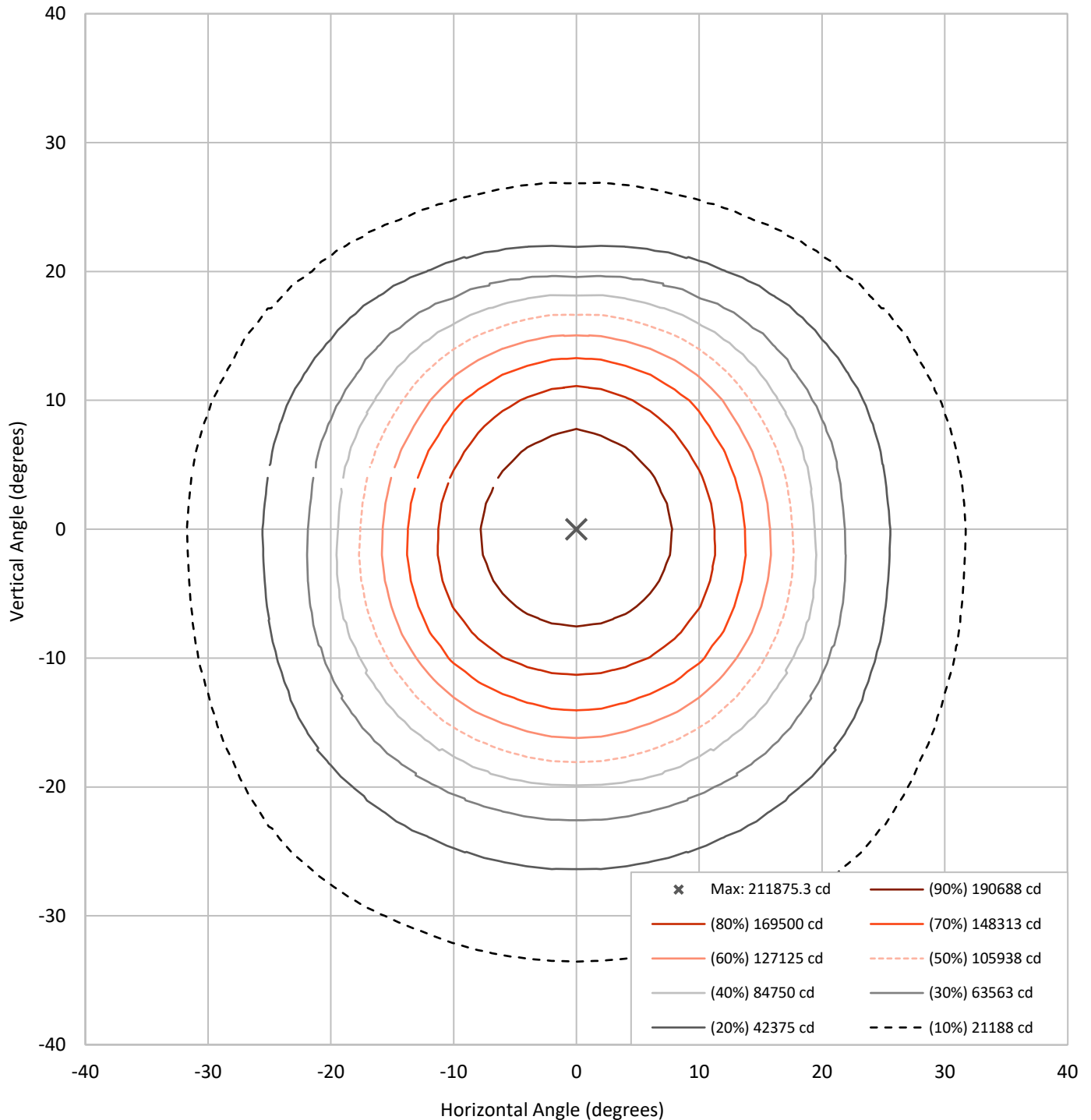
Test Method: LM-79-08
Report Number: P1305728 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-80-4S-VHE-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	87890.1 lumens	Max Intensity:	211875.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	135.6 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:	47173.2 lumens	Field Lumens:	76765 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





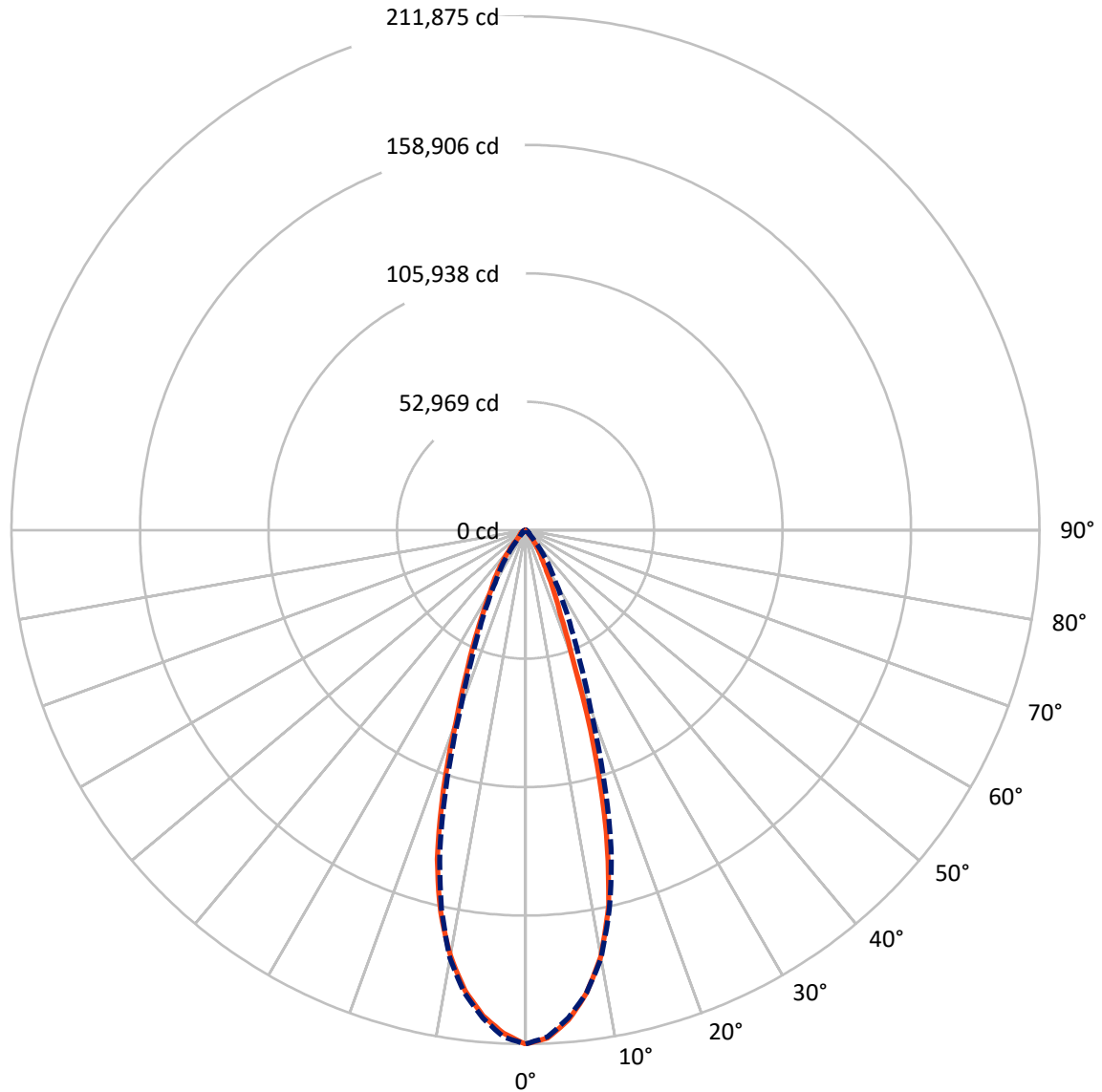
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Lumen Table

90	0.3	1.0	1.7	2.3	2.6	2.3	1.7	1.0	0.3										
80	0.3	1.0	1.7	2.3	2.6	2.3	1.7	1.0	0.3										
70	0.3	0.2	0.2	0.5	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.5	0.2	0.2	0.3			
60		0.4	0.7	1.2	1.2	0.9	1.1	1.2	1.2	1.1	0.9	1.2	1.2	0.7	0.4				
50	0.9	1.1	2.5	5.0	9.2	14.6	21.3	27.5	27.5	21.3	14.6	9.2	5.0	2.5	1.1	0.9			
40		2.6	8.4	16.0	26.3	60.7	135.6	219.8	219.8	135.6	60.7	26.3	16.0	8.4	2.6				
30	1.9	4.6	13.9	27.0	84.8	260.9	569.4	863.4	863.4	569.4	260.9	84.8	27.0	13.9	4.6	1.9			
20		6.2	18.3	43.2	220.8	732.2	1956.3	3476.2	3476.2	1956.3	732.2	220.8	43.2	18.3	6.2				
10	2.8	7.7	21.5	59.9	345.5	1201.7	3556.9	5695.6	5695.6	3556.9	1201.7	345.5	59.9	21.5	7.7	2.8			
0		8.6	23.8	67.0	370.4	1262.2	3728.9	5740.6	5740.6	3728.9	1262.2	370.4	67.0	23.8	8.6				
-10	3.2	8.8	25.2	61.7	295.6	932.3	2347.2	3856.3	3856.3	2347.2	932.3	295.6	61.7	25.2	8.8	3.2			
-20		8.2	25.1	52.9	162.7	517.8	1016.6	1468.1	1468.1	1016.6	517.8	162.7	52.9	25.1	8.2				
-30	3.0	7.0	22.6	44.3	78.1	192.2	387.1	535.1	535.1	387.1	192.2	78.1	44.3	22.6	7.0	3.0			
-40		5.5	16.9	35.4	55.8	77.5	105.8	135.4	135.4	105.8	77.5	55.8	35.4	16.9	5.5				
-50	2.6	4.1	10.6	23.0	39.7	53.6	64.7	72.6	72.6	64.7	53.6	39.7	23.0	10.6	4.1	2.6			
-60		3.1	6.2	11.7	20.0	28.3	36.0	41.1	41.1	36.0	28.3	20.0	11.7	6.2	3.1				
-70	1.9	11.1	25.1	40.6	49.8	40.6	25.1	11.1	1.9							1.9			
-80		11.1	25.1	40.6	49.8	40.6	25.1	11.1	1.9										
-90	1.9	11.1	25.1	40.6	49.8	40.6	25.1	11.1	1.9										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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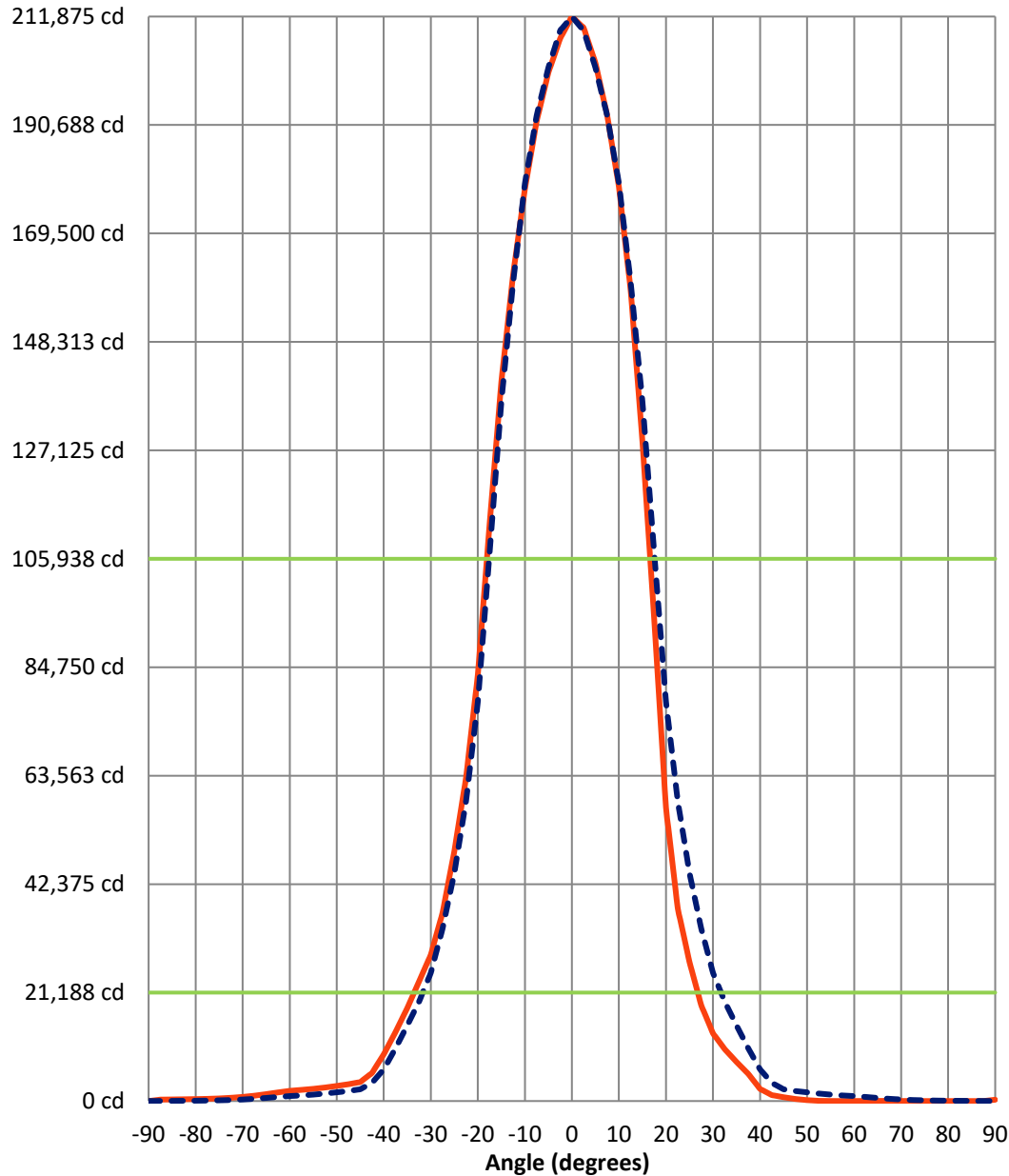
Luminous Intensity Polar Plot



— 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: 47173.2
Efficiency: 53.7%

Field:
H Angle: 63.4°
V Angle: 60.3°
Lumens: 76765
Efficiency: 87.3%

Spill:
Lumens: 11125.1
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°	9.4	17.8	26.2	42.9	59.7	74.9	90.1	102.2	114.3	122.2	130.0
87.5°	9.4	8.5	7.5	7.6	7.7	7.6	7.6	7.1	6.6	6.7	6.7
85°	9.4	8.7	7.7	7.8	8.0	8.0	7.9	7.4	7.0	7.1	7.1
82.5°	9.4	8.9	7.9	8.1	8.4	8.3	8.2	7.8	7.4	7.5	7.6
80°	9.4	9.1	8.1	8.4	8.8	8.7	8.5	8.3	8.1	8.2	8.1
77.5°	9.4	9.3	8.3	8.7	9.1	9.1	9.1	9.0	8.9	8.8	8.5
75°	9.4	9.5	8.5	8.9	9.5	9.6	9.6	9.6	9.6	9.2	8.6
72.5°	9.4	9.7	8.8	9.2	9.9	10.0	10.2	10.2	10.0	9.6	8.8
70°	9.4	9.9	9.0	9.5	10.3	10.5	10.8	10.8	10.6	10.0	9.6
67.5°	9.4	10.1	9.3	9.9	10.7	11.0	11.5	11.4	11.1	10.9	10.6
65°	9.4	10.3	9.6	10.3	11.1	11.7	12.3	12.0	12.4	11.8	11.9
62.5°	9.4	10.5	9.9	10.7	11.6	12.6	13.2	13.4	13.8	13.1	14.2
60°	9.4	10.7	10.2	11.2	12.0	13.6	14.1	15.3	15.5	16.6	16.9
57.5°	9.4	10.9	10.8	11.6	13.1	14.7	16.1	17.3	19.3	20.6	22.9
55°	9.4	11.2	11.4	12.1	14.3	15.8	18.3	19.6	23.9	26.0	30.7
52.5°	9.4	11.4	12.1	12.5	15.5	17.1	20.6	24.2	28.9	35.1	39.2
50°	9.4	11.6	12.8	13.0	16.8	19.5	23.1	29.3	35.4	44.9	50.8
47.5°	9.4	11.8	13.5	13.6	18.1	22.0	25.9	34.6	45.0	55.3	63.9
45°	9.4	12.1	14.2	14.7	19.5	24.6	30.7	40.1	55.2	68.1	77.9
42.5°	9.4	12.3	15.0	15.7	21.0	27.3	35.5	47.9	65.8	81.6	100.4
40°	9.4	12.5	15.9	17.3	22.8	30.1	40.7	57.4	77.4	95.7	126.5
37.5°	9.4	12.7	16.7	19.1	25.0	33.0	46.0	67.1	90.9	114.1	154.7
35°	9.4	13.0	17.6	21.0	27.3	36.9	51.4	76.9	104.9	140.3	188.9
32.5°	9.4	13.2	18.5	22.9	29.5	41.1	57.6	86.8	119.5	167.1	228.0
30°	9.4	13.4	19.4	24.8	31.7	45.4	65.6	96.9	134.5	194.4	265.3
27.5°	9.4	13.6	20.4	26.7	34.8	49.5	73.4	108.0	150.9	222.1	300.6
25°	9.4	13.9	21.4	28.6	37.9	53.5	80.9	118.5	169.9	250.9	334.2
22.5°	9.4	14.1	22.3	30.5	40.9	57.8	88.2	128.5	187.7	273.3	368.6
20°	9.4	14.3	23.3	32.4	43.9	62.5	95.2	138.0	204.1	294.2	396.3
17.5°	9.4	14.5	24.3	34.3	46.7	67.2	102.4	146.9	219.3	313.6	422.3
15°	9.4	14.7	25.2	36.1	49.5	71.7	109.5	155.7	233.1	331.4	446.7
12.5°	9.4	14.9	26.2	37.9	52.2	76.0	116.3	164.7	247.0	347.5	469.4
10°	9.4	15.1	27.1	39.7	54.8	80.1	122.5	173.2	260.8	368.3	494.3
7.5°	9.4	15.2	28.0	41.4	57.2	84.0	128.3	181.0	273.2	388.8	526.3
5°	9.4	15.4	28.8	43.0	59.6	87.7	133.6	188.1	284.2	407.9	556.4
2.5°	9.4	15.6	29.6	44.6	61.8	91.1	138.4	194.5	293.8	425.1	584.1
0°	9.4	15.7	30.4	46.1	63.9	94.3	142.6	200.2	301.9	440.2	609.0
-2.5°	9.4	16.3	31.6	48.1	66.9	98.1	147.5	207.1	312.5	452.6	621.5
-5°	9.4	16.8	32.7	49.9	69.7	101.6	151.8	213.1	321.3	462.5	630.5
-7.5°	9.4	17.4	33.7	51.7	72.4	104.8	155.5	218.2	328.2	469.7	636.3
-10°	9.4	17.9	34.7	53.3	74.9	107.7	158.6	222.3	333.0	474.3	638.7
-12.5°	9.4	18.4	35.6	54.8	77.1	110.2	161.0	225.4	335.5	476.0	641.6
-15°	9.4	18.8	36.4	56.2	79.2	112.4	162.7	227.4	335.1	473.9	641.4
-17.5°	9.4	19.3	37.2	57.5	81.1	114.2	163.8	228.7	331.8	468.7	636.0
-20°	9.4	19.7	37.9	58.6	82.7	115.7	164.6	229.3	326.5	460.2	625.1



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 CATALOG NUMBER: EPH-08-640L-57-80-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	9.4	20.1	38.5	59.6	84.1	116.8	165.4	229.0	319.2	448.4	608.8
-25°	9.4	20.5	39.1	60.5	85.3	118.1	165.4	227.6	310.0	433.3	591.8
-27.5°	9.4	20.8	39.6	61.1	86.2	119.4	164.7	225.3	298.8	420.4	577.2
-30°	9.4	21.1	39.9	61.7	86.9	120.2	163.3	222.0	292.1	408.4	558.1
-32.5°	9.4	21.4	40.3	62.1	88.1	120.6	161.0	219.1	288.2	393.3	534.2
-35°	9.4	21.6	40.5	62.3	89.0	120.6	160.2	215.8	282.7	375.0	505.5
-37.5°	9.4	21.8	40.6	62.4	89.7	120.6	159.7	211.4	275.5	353.5	478.1
-40°	9.4	21.9	40.7	62.3	90.1	121.1	158.7	205.9	266.8	339.8	451.3
-42.5°	9.4	22.1	40.7	62.2	90.4	121.3	157.0	199.2	258.3	328.4	421.3
-45°	9.4	22.1	40.6	62.3	90.5	121.2	154.7	193.5	249.3	314.9	390.8
-47.5°	9.4	22.2	40.4	62.3	90.4	120.7	151.8	190.1	238.8	299.4	373.0
-50°	9.4	22.2	40.2	62.3	90.1	119.9	150.3	186.0	226.8	285.5	352.7
-52.5°	9.4	22.2	39.9	62.2	89.5	118.9	148.6	181.4	218.9	269.8	329.4
-55°	9.4	22.1	39.4	61.9	88.6	117.4	146.6	176.5	212.3	252.6	307.0
-57.5°	9.4	22.0	39.0	61.5	87.4	115.6	144.3	173.7	205.0	241.6	283.0
-60°	9.4	21.9	38.4	60.9	86.0	113.5	141.6	170.1	197.5	231.8	261.6
-62.5°	9.4	21.7	37.8	60.2	84.9	111.1	138.4	165.9	192.3	220.6	248.1
-65°	9.4	21.5	37.1	59.2	83.5	108.4	134.9	161.1	186.4	211.5	234.0
-67.5°	9.4	21.2	36.4	58.2	81.9	105.6	131.0	155.9	180.0	202.9	222.8
-70°	9.4	21.0	35.5	57.0	80.0	102.8	126.7	150.2	173.3	194.0	212.7
-72.5°	9.4	20.7	34.6	55.6	78.0	99.7	122.3	144.2	166.1	184.9	202.2
-75°	9.4	20.3	33.6	54.2	75.8	96.3	117.7	138.0	158.6	175.5	191.4
-77.5°	9.4	20.0	32.5	52.6	73.5	92.6	112.7	131.6	150.7	165.8	180.2
-80°	9.4	19.6	31.3	50.9	71.0	89.2	107.4	124.8	142.5	156.0	169.1
-82.5°	9.4	19.2	30.1	49.1	68.4	85.9	103.2	118.5	134.0	146.0	157.8
-85°	9.4	18.7	28.9	47.1	65.7	82.4	99.0	113.2	127.5	137.5	147.4
-87.5°	9.4	18.3	27.6	45.1	62.7	78.7	94.6	107.8	121.0	129.9	138.8
-90°	9.4	8.4	7.3	7.3	7.3	7.3	7.3	6.8	6.3	6.3	6.3



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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°	135.8	141.5	146.8	152.0	158.3	164.6	170.9	177.1	184.0	190.8	197.6
87.5°	6.2	5.8	5.8	5.8	5.3	4.8	4.5	4.2	4.2	4.2	4.1
85°	6.7	6.3	6.3	6.3	5.9	5.5	5.1	4.6	4.7	4.7	4.5
82.5°	7.2	6.8	6.6	6.3	6.2	6.2	5.8	5.4	5.3	5.2	4.9
80°	7.8	7.4	6.9	6.6	6.5	6.3	6.2	6.1	5.8	5.4	5.3
77.5°	8.0	7.4	7.2	7.2	6.9	6.4	6.3	6.3	6.2	6.1	5.9
75°	8.0	7.5	7.4	7.4	7.0	6.5	6.3	6.5	6.6	6.4	6.2
72.5°	8.4	8.2	7.9	7.6	7.3	7.0	7.0	7.2	7.8	8.4	8.9
70°	9.4	9.0	8.7	8.4	8.0	8.0	8.9	10.6	12.3	13.1	14.8
67.5°	10.4	10.1	9.8	9.5	9.6	10.4	11.6	15.4	18.8	21.2	23.7
65°	11.4	11.2	11.3	11.4	11.5	14.7	18.2	22.0	27.9	31.2	31.4
62.5°	12.8	14.4	13.7	14.6	17.6	21.0	26.3	33.2	40.6	43.6	41.7
60°	18.2	19.0	19.4	21.7	24.6	28.3	35.6	43.9	52.6	57.8	50.0
57.5°	25.0	26.1	28.1	29.4	32.7	34.8	43.5	53.6	59.2	62.5	53.7
55°	33.5	35.1	38.1	38.7	41.4	42.4	49.6	56.5	61.2	62.3	52.8
52.5°	44.4	46.2	50.5	51.1	51.2	52.1	53.1	60.8	64.6	63.5	54.8
50°	56.1	62.6	64.9	67.2	64.1	65.4	61.9	70.8	78.4	76.4	78.9
47.5°	73.4	81.6	84.9	89.2	86.9	94.1	91.5	108.4	114.3	148.2	155.7
45°	94.2	108.6	113.0	123.0	133.1	141.5	168.8	171.0	242.5	272.3	328.5
42.5°	119.3	141.8	160.1	163.7	212.4	238.4	276.3	338.7	401.4	458.8	497.0
40°	156.3	179.7	218.8	264.5	316.2	372.0	422.6	495.1	555.7	600.9	627.9
37.5°	198.6	243.0	296.4	378.8	448.6	505.5	562.9	625.6	682.7	722.4	774.1
35°	245.0	309.6	408.6	494.4	569.3	622.8	679.0	745.4	799.4	863.4	927.2
32.5°	301.3	377.7	501.8	594.4	655.3	718.7	783.5	853.3	930.7	1009.5	1091.2
30°	356.9	454.3	575.6	671.8	730.8	804.7	883.4	965.3	1066.7	1166.1	1276.4
27.5°	400.7	520.1	635.4	734.9	803.6	891.0	987.1	1094.0	1214.4	1336.0	1482.6
25°	439.9	568.9	695.8	801.2	888.5	985.3	1098.3	1226.5	1369.9	1540.8	2002.0
22.5°	478.0	616.6	762.4	872.3	970.3	1079.8	1215.9	1365.6	1534.4	1761.5	2577.2
20°	517.2	670.5	826.2	931.3	1045.1	1167.8	1327.2	1500.9	1710.1	2246.6	3449.8
17.5°	557.4	726.2	880.4	983.1	1102.9	1252.6	1438.0	1633.9	1889.0	2700.9	4542.6
15°	596.7	778.7	924.0	1029.0	1161.1	1335.2	1542.3	1782.4	2205.5	3334.9	5637.6
12.5°	634.3	825.8	956.3	1068.4	1218.5	1413.1	1639.1	1908.6	2577.5	4190.5	6831.9
10°	669.6	867.6	984.4	1106.1	1274.5	1486.3	1725.8	2019.6	2902.4	4874.3	7777.4
7.5°	707.8	903.4	1009.8	1141.8	1326.2	1553.2	1797.2	2105.0	3144.4	5398.5	8479.7
5°	742.5	932.4	1039.3	1183.6	1377.6	1613.6	1858.4	2176.6	3309.5	5730.9	8967.2
2.5°	772.8	955.6	1066.5	1223.4	1425.8	1666.6	1913.7	2248.3	3456.9	6011.8	9584.0
0°	798.7	973.7	1091.1	1258.8	1467.4	1710.6	1959.0	2306.0	3555.4	6201.0	10299.3
-2.5°	814.5	1000.7	1132.0	1296.0	1501.8	1741.8	1999.9	2367.6	3655.2	6609.9	10571.7
-5°	825.8	1022.5	1168.7	1328.5	1529.7	1764.7	2029.9	2411.3	3698.1	6722.3	10492.3
-7.5°	832.5	1038.4	1200.2	1357.0	1554.5	1791.2	2077.2	2469.7	3717.6	6445.1	10042.7
-10°	836.0	1051.7	1220.8	1380.6	1577.6	1815.5	2114.1	2507.5	3637.7	6071.1	9525.4
-12.5°	844.9	1063.1	1237.1	1398.0	1592.9	1833.0	2142.8	2535.8	3455.8	5557.1	8814.5
-15°	847.3	1068.9	1250.8	1410.0	1608.9	1858.8	2164.5	2540.6	3193.1	4892.9	7906.6
-17.5°	842.6	1069.2	1260.4	1419.4	1617.0	1868.6	2171.4	2526.7	2996.9	4410.3	6993.3
-20°	830.3	1056.7	1263.3	1420.3	1613.9	1872.6	2174.9	2520.7	2949.0	3916.9	5885.6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	810.4	1037.0	1253.1	1418.8	1624.5	1874.3	2164.8	2483.4	2845.2	3321.7	4783.0
-25°	789.0	1008.9	1226.5	1423.8	1626.5	1865.6	2122.5	2415.0	2749.1	3121.7	3996.2
-27.5°	765.9	976.2	1199.3	1417.5	1616.5	1832.9	2071.5	2345.6	2620.7	2921.7	3294.2
-30°	738.0	940.6	1162.8	1394.5	1593.1	1795.3	2015.2	2236.9	2483.4	2754.4	3069.9
-32.5°	704.5	898.7	1117.5	1346.5	1562.0	1751.5	1935.4	2134.5	2354.5	2593.4	2854.3
-35°	668.2	856.3	1064.4	1288.0	1524.1	1698.1	1858.0	2030.1	2225.0	2443.2	2685.6
-37.5°	631.3	807.4	1002.1	1220.1	1449.8	1631.9	1775.9	1936.5	2108.1	2295.0	2520.4
-40°	589.5	751.0	937.2	1143.2	1346.8	1543.7	1701.9	1847.6	1998.4	2169.4	2353.4
-42.5°	544.5	696.2	866.1	1052.8	1237.7	1425.4	1623.6	1766.7	1901.6	2046.9	2208.2
-45°	506.8	635.6	789.3	955.3	1122.0	1303.8	1495.0	1686.3	1809.5	1935.2	2072.7
-47.5°	463.2	574.1	714.7	853.0	1006.8	1178.2	1359.3	1536.7	1711.7	1834.0	1949.7
-50°	421.6	522.0	629.4	756.7	893.7	1052.0	1218.0	1380.1	1544.1	1709.8	1841.8
-52.5°	393.0	466.3	559.5	660.0	786.7	926.6	1072.1	1216.6	1370.6	1528.7	1680.8
-55°	362.2	424.9	491.3	576.7	681.1	805.6	926.7	1056.2	1188.4	1334.2	1482.4
-57.5°	332.8	384.8	436.8	501.7	589.5	684.7	790.8	897.2	1017.1	1139.1	1266.0
-60°	303.6	346.3	390.5	442.3	502.7	583.0	659.9	752.5	852.1	952.4	1065.3
-62.5°	275.8	310.5	347.4	391.1	441.6	489.0	552.5	624.3	696.1	785.1	876.5
-65°	259.3	278.7	307.6	345.6	384.9	426.8	468.0	512.0	574.6	640.9	705.9
-67.5°	241.9	259.7	277.8	301.2	335.7	368.4	401.5	440.2	480.1	523.1	570.4
-70°	228.9	241.3	257.4	275.7	293.7	313.5	343.1	373.8	404.5	437.9	475.0
-72.5°	216.5	228.1	240.2	253.1	268.8	283.9	299.5	316.1	340.3	369.7	397.2
-75°	204.1	214.8	225.7	237.1	248.9	260.4	272.6	287.5	304.2	322.2	339.1
-77.5°	191.4	201.4	211.4	221.2	231.9	243.0	253.5	264.2	277.2	291.2	304.4
-80°	178.9	187.8	197.1	206.2	215.5	225.2	234.5	243.5	254.7	266.7	278.4
-82.5°	166.7	175.1	183.0	191.0	199.2	207.1	215.5	224.0	234.3	244.8	254.8
-85°	154.9	162.3	169.0	175.7	183.2	190.6	197.8	204.9	214.3	223.8	232.4
-87.5°	145.4	151.9	157.7	163.4	170.0	176.6	182.8	188.9	197.0	205.1	212.5
-90°	5.8	5.2	5.2	5.2	4.7	4.2	4.2	4.2	4.2	4.2	3.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	204.4	209.1	213.8	217.0	220.1	224.8	229.5	236.4	243.2	249.0	254.7
87.5°	4.0	3.6	3.1	3.0	3.0	3.0	3.0	2.6	2.1	2.1	2.1
85°	4.2	4.0	3.9	4.0	4.0	3.6	3.1	3.1	3.0	3.1	3.1
82.5°	4.7	4.5	4.2	4.2	4.2	4.1	4.0	3.6	3.1	3.1	3.1
80°	5.2	4.9	4.7	4.5	4.2	4.2	4.2	3.7	3.1	3.1	3.1
77.5°	5.4	5.3	5.2	4.8	4.3	4.2	4.2	3.7	3.2	3.1	3.1
75°	6.2	6.1	6.0	5.8	5.7	5.9	6.2	6.0	5.7	5.4	5.1
72.5°	9.4	9.5	9.3	9.8	10.3	10.8	11.1	11.4	11.8	12.6	13.6
70°	16.7	18.0	18.0	18.0	18.0	17.4	16.9	16.7	16.8	17.0	17.4
67.5°	25.2	26.2	26.6	26.9	24.6	23.0	22.4	22.5	23.4	25.3	28.0
65°	32.1	30.1	28.4	26.6	26.8	26.7	25.5	24.9	25.7	26.9	28.1
62.5°	38.2	30.3	25.3	22.8	23.3	24.1	21.8	20.0	19.4	19.1	19.2
60°	41.0	28.6	20.1	17.1	15.3	14.4	12.8	11.0	10.4	10.2	10.5
57.5°	41.5	27.2	16.1	12.7	9.7	7.5	6.3	5.4	5.5	5.3	5.2
55°	40.2	27.5	15.6	14.2	13.0	11.9	10.4	10.1	9.6	9.5	10.1
52.5°	41.6	38.6	31.5	30.6	37.3	37.6	32.3	39.8	44.8	48.8	50.6
50°	82.2	79.0	99.8	99.8	120.9	138.9	133.7	144.2	162.4	178.3	188.0
47.5°	192.2	207.2	238.5	266.5	298.2	338.1	355.9	368.5	384.3	405.7	420.0
45°	358.0	395.4	436.0	481.3	534.2	581.1	608.3	634.6	652.0	671.0	693.4
42.5°	531.5	576.2	636.4	690.5	747.8	802.5	845.6	883.6	957.7	1063.4	1147.4
40°	680.1	731.0	800.8	873.1	940.6	1009.8	1200.1	1362.3	1564.4	1866.2	2133.6
37.5°	827.7	886.4	964.3	1052.9	1256.5	1462.7	1878.4	2327.5	2716.5	3152.8	3593.4
35°	988.5	1065.6	1169.8	1467.9	1844.8	2394.3	2990.4	3657.3	4223.4	4832.7	5725.2
32.5°	1178.3	1313.1	1650.0	2191.8	2867.7	3648.2	4387.7	5226.0	5933.1	7052.4	8415.5
30°	1423.0	1845.7	2492.5	3240.7	4152.6	5140.6	6067.7	7425.6	9012.0	10416.3	11576.0
27.5°	2013.3	2829.8	3732.8	4680.9	5822.9	7020.1	8964.1	10721.6	12428.4	13944.8	15706.4
25°	2894.7	4204.6	5747.8	7018.9	8570.7	10734.3	12932.5	14868.0	17462.2	19743.8	22303.3
22.5°	4141.4	6006.5	7994.3	9850.2	12233.3	14943.1	17900.5	21466.9	25070.6	29073.6	32634.7
20°	5358.2	7718.0	10235.3	12907.0	15959.0	19347.1	24181.5	29969.3	35522.4	41829.0	47146.9
17.5°	6978.7	9831.3	12808.4	16204.6	20128.4	25341.0	32476.5	40390.5	48977.7	58395.0	67103.7
15°	8626.5	11699.7	15159.0	19505.7	25055.7	32140.0	41243.3	52016.7	64574.8	78418.7	95249.3
12.5°	9977.0	13337.4	17382.6	22860.3	30119.2	39593.3	50622.6	63591.4	80808.0	101688.5	121242.4
10°	11130.7	15160.2	20271.8	26754.7	35292.9	45988.3	58517.6	74573.8	97765.5	121954.7	143413.3
7.5°	12319.3	17086.2	22499.6	29528.6	39236.6	51376.8	66805.3	87772.5	113289.5	138099.5	157778.1
5°	13440.3	18399.6	23905.3	31415.0	41913.4	54952.1	72457.4	97995.5	125763.5	150063.3	168551.2
2.5°	14318.4	19060.1	24645.6	32819.9	43360.5	56895.1	76000.5	104317.1	133445.8	157394.5	176352.4
0°	14773.9	19418.3	25056.4	33698.5	44560.7	58678.4	78031.8	107106.9	136570.8	159892.5	179215.5
-2.5°	14673.1	19245.4	24802.1	33020.5	44286.4	59001.0	79720.8	108560.8	137109.1	160744.6	178955.4
-5°	14461.1	18973.0	24453.0	32187.2	43304.2	58189.9	77886.8	104401.4	131972.7	156217.4	173921.2
-7.5°	14066.0	18516.9	23756.7	30968.5	41676.3	55772.5	73547.1	96587.3	123037.4	147328.8	164467.5
-10°	13484.6	17812.3	22757.4	29316.4	38932.9	51880.1	66991.5	84984.3	109727.2	132438.3	151481.7
-12.5°	12658.4	16815.6	21371.1	27007.3	35619.4	47029.4	60056.8	75006.7	92690.7	114594.0	132444.2
-15°	11607.1	15516.8	19749.8	25067.8	32268.9	41617.7	52601.5	64199.1	77753.3	92872.7	110271.9
-17.5°	10316.8	13989.4	17931.3	22516.0	28339.7	36183.4	44872.2	53921.6	63705.2	74831.7	85053.7
-20°	8778.2	12137.5	15852.3	20116.6	25106.8	30772.4	37088.5	44404.3	51987.8	59929.0	66955.1



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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°	7215.9	10280.3	13820.2	17549.0	21886.3	26210.8	30453.1	35892.6	41749.0	47498.0	52727.8
-25°	5646.0	8351.3	11642.6	15140.0	18621.2	22153.6	25598.1	28975.8	33190.0	36890.5	40728.9
-27.5°	4484.5	6508.3	9272.0	12324.0	15357.4	18305.0	21283.0	24104.4	26762.1	28997.0	31584.8
-30°	3526.8	4892.8	7027.8	9429.5	12083.8	14680.8	17247.0	19630.4	21723.3	23563.3	25360.4
-32.5°	3188.7	3746.5	5015.2	6840.3	8934.3	11212.7	13357.8	15405.0	17130.3	18840.3	20450.5
-35°	2949.7	3256.8	3671.6	4811.7	6175.4	7988.6	9670.0	11369.0	12818.0	14525.9	15846.3
-37.5°	2753.8	2990.3	3252.6	3521.5	4350.8	5258.6	6469.2	7742.7	8862.2	10294.8	11460.6
-40°	2564.1	2773.5	2978.5	3183.0	3403.5	3606.1	4326.7	4983.4	5742.8	6722.8	7561.3
-42.5°	2380.8	2565.2	2742.7	2908.9	3063.0	3196.0	3341.0	3480.0	3890.1	4389.5	4773.1
-45°	2216.2	2373.0	2521.6	2662.1	2779.5	2885.9	2997.7	3114.0	3266.4	3404.9	3519.4
-47.5°	2076.3	2200.2	2322.0	2436.4	2526.6	2617.5	2706.4	2806.8	2925.5	3041.8	3139.1
-50°	1949.7	2057.0	2149.4	2230.5	2305.4	2382.3	2453.2	2542.3	2637.8	2734.0	2814.5
-52.5°	1828.5	1923.9	2001.1	2062.8	2120.0	2182.6	2243.6	2314.7	2392.2	2473.2	2537.1
-55°	1624.7	1746.0	1858.1	1916.1	1960.9	2012.6	2064.2	2121.8	2187.3	2255.3	2306.0
-57.5°	1399.5	1519.2	1624.9	1700.1	1774.4	1850.3	1907.1	1952.2	2011.4	2069.4	2113.2
-60°	1173.4	1273.8	1367.1	1443.2	1520.7	1596.6	1660.5	1719.2	1792.5	1859.1	1913.2
-62.5°	963.0	1050.7	1122.8	1184.3	1250.3	1316.4	1377.2	1435.2	1501.7	1561.5	1612.3
-65°	771.7	845.3	898.5	946.9	999.4	1054.1	1102.3	1150.4	1203.9	1251.7	1293.3
-67.5°	623.9	672.8	705.9	736.8	778.5	821.0	858.8	897.0	937.9	974.2	1005.7
-70°	510.8	541.2	561.7	585.3	615.0	642.2	667.0	695.0	725.1	752.8	778.0
-72.5°	423.5	444.4	459.7	478.5	497.3	514.6	530.3	550.4	572.3	593.8	614.1
-75°	354.7	368.3	382.9	396.5	409.4	422.0	433.6	449.7	466.5	482.6	498.1
-77.5°	318.3	328.3	336.6	344.1	351.2	359.3	367.3	380.9	395.6	408.1	419.8
-80°	290.0	297.9	304.7	310.4	315.8	322.4	329.1	340.2	351.8	362.2	372.4
-82.5°	264.7	271.4	277.7	283.0	288.1	293.8	299.4	309.2	319.1	328.1	336.8
-85°	241.1	246.9	252.4	257.2	261.9	267.1	272.3	280.8	289.3	297.2	305.1
-87.5°	219.8	225.0	230.1	233.7	237.2	242.2	247.2	254.8	262.4	269.4	276.3
-90°	3.1	3.1	3.1	2.6	2.1	2.1	2.1	2.1	2.1	1.6	1.0



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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°	257.9	261.0	261.5	262.0	261.5	261.0	257.9	254.7	249.0	243.2	236.4
87.5°	1.5	1.0	1.5	2.1	1.5	1.0	1.5	2.1	2.1	2.1	2.6
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.6
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.7
77.5°	2.7	2.1	2.6	3.1	2.6	2.1	2.7	3.1	3.1	3.2	3.7
75°	4.6	4.2	3.7	3.1	3.7	4.2	4.6	5.1	5.4	5.7	6.0
72.5°	14.1	14.4	15.1	15.7	15.1	14.4	14.1	13.6	12.6	11.8	11.4
70°	16.8	15.8	15.7	15.7	15.7	15.8	16.8	17.4	17.0	16.8	16.7
67.5°	30.0	31.7	32.3	32.5	32.3	31.7	30.0	28.0	25.3	23.4	22.5
65°	29.2	30.3	30.4	30.4	30.4	30.3	29.2	28.1	26.9	25.7	24.9
62.5°	19.5	20.1	20.5	21.0	20.5	20.1	19.5	19.2	19.1	19.4	20.0
60°	10.9	11.6	12.1	12.6	12.1	11.6	10.9	10.5	10.2	10.4	11.0
57.5°	5.1	5.4	5.7	6.3	5.7	5.4	5.1	5.2	5.3	5.5	5.4
55°	10.5	11.1	11.4	11.5	11.4	11.1	10.5	10.1	9.5	9.6	10.1
52.5°	49.7	47.3	45.4	44.0	45.4	47.3	49.7	50.6	48.8	44.8	39.8
50°	192.1	187.4	182.1	177.1	182.1	187.4	192.1	188.0	178.3	162.4	144.2
47.5°	428.5	424.7	416.9	406.7	416.9	424.7	428.5	420.0	405.7	384.3	368.5
45°	724.3	745.3	754.6	749.4	754.6	745.3	724.3	693.4	671.0	652.0	634.6
42.5°	1175.9	1194.5	1196.1	1168.7	1196.1	1194.5	1175.9	1147.4	1063.4	957.7	883.6
40°	2327.1	2488.4	2543.7	2377.2	2543.7	2488.4	2327.1	2133.6	1866.2	1564.4	1362.3
37.5°	4124.5	4758.0	5286.5	5306.9	5286.5	4758.0	4124.5	3593.4	3152.8	2716.5	2327.5
35°	6684.4	7336.2	7651.4	7638.0	7651.4	7336.2	6684.4	5725.2	4832.7	4223.4	3657.3
32.5°	9395.0	9888.8	10204.4	10128.4	10204.4	9888.8	9395.0	8415.5	7052.4	5933.1	5226.0
30°	12404.2	12862.4	13230.3	13224.7	13230.3	12862.4	12404.2	11576.0	10416.3	9012.0	7425.6
27.5°	17140.3	18084.5	18834.9	18707.7	18834.9	18084.5	17140.3	15706.4	13944.8	12428.4	10721.6
25°	24462.2	26189.2	27410.3	27159.0	27410.3	26189.2	24462.2	22303.3	19743.8	17462.2	14868.0
22.5°	35278.6	37494.1	38420.4	37685.8	38420.4	37494.1	35278.6	32634.7	29073.6	25070.6	21466.9
20°	52213.1	56320.6	58874.2	57351.5	58874.2	56320.6	52213.1	47146.9	41829.0	35522.4	29969.3
17.5°	78375.0	87285.9	94326.8	94132.7	94326.8	87285.9	78375.0	67103.7	58395.0	48977.7	40390.5
15°	109902.7	120045.1	127854.8	128757.8	127854.8	120045.1	109902.7	95249.3	78418.7	64574.8	52016.7
12.5°	138132.5	148447.4	156089.8	158288.9	156089.8	148447.4	138132.5	121242.4	101688.5	80808.0	63591.4
10°	158251.7	168545.3	175942.5	178550.9	175942.5	168545.3	158251.7	143413.3	121954.7	97765.5	74573.8
7.5°	173011.0	184178.6	189723.5	192557.6	189723.5	184178.6	173011.0	157778.1	138099.5	113289.5	87772.5
5°	183631.2	194010.2	199374.3	202808.7	199374.3	194010.2	183631.2	168551.2	150063.3	125763.5	97995.5
2.5°	190326.1	200124.7	206566.5	209646.9	206566.5	200124.7	190326.1	176352.4	157394.5	133445.8	104317.1
0°	192486.8	201893.6	209113.9	211875.3	209113.9	201893.6	192486.8	179215.5	159892.5	136570.8	107106.9
-2.5°	191481.8	200696.5	206455.2	207571.5	206455.2	200696.5	191481.8	178955.4	160744.6	137109.1	108560.8
-5°	186251.3	194744.3	200061.8	200935.6	200061.8	194744.3	186251.3	173921.2	156217.4	131972.7	104401.4
-7.5°	177234.2	185706.3	190101.5	191395.7	190101.5	185706.3	177234.2	164467.5	147328.8	123037.4	96587.3
-10°	164160.2	172345.1	177042.7	178156.8	177042.7	172345.1	164160.2	151481.7	132438.3	109727.2	84984.3
-12.5°	146320.4	155052.1	160309.6	161467.9	160309.6	155052.1	146320.4	132444.2	114594.0	92690.7	75006.7
-15°	123187.5	132169.2	138880.9	140504.6	138880.9	132169.2	123187.5	110271.9	92872.7	77753.3	64199.1
-17.5°	96522.1	105510.1	111541.2	112692.6	111541.2	105510.1	96522.1	85053.7	74831.7	63705.2	53921.6
-20°	73556.3	79336.7	82740.6	83333.4	82740.6	79336.7	73556.3	66955.1	59929.0	51987.8	44404.3



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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°	57001.6	60886.7	62959.1	63251.6	62959.1	60886.7	57001.6	52727.8	47498.0	41749.0	35892.6
-25°	44170.8	46993.6	48537.3	48794.2	48537.3	46993.6	44170.8	40728.9	36890.5	33190.0	28975.8
-27.5°	33915.6	35669.1	37105.4	36806.4	37105.4	35669.1	33915.6	31584.8	28997.0	26762.1	24104.4
-30°	26837.0	27961.6	28809.9	28587.7	28809.9	27961.6	26837.0	25360.4	23563.3	21723.3	19630.4
-32.5°	21720.9	22602.0	23198.4	23357.3	23198.4	22602.0	21720.9	20450.5	18840.3	17130.3	15405.0
-35°	16882.5	17602.5	18015.8	18176.3	18015.8	17602.5	16882.5	15846.3	14525.9	12818.0	11369.0
-37.5°	12326.0	12957.5	13351.8	13488.9	13351.8	12957.5	12326.0	11460.6	10294.8	8862.2	7742.7
-40°	8203.2	8689.9	9012.9	9137.9	9012.9	8689.9	8203.2	7561.3	6722.8	5742.8	4983.4
-42.5°	5072.0	5299.8	5444.1	5489.2	5444.1	5299.8	5072.0	4773.1	4389.5	3890.1	3480.0
-45°	3607.8	3670.7	3706.8	3713.7	3706.8	3670.7	3607.8	3519.4	3404.9	3266.4	3114.0
-47.5°	3215.2	3264.7	3290.1	3291.2	3290.1	3264.7	3215.2	3139.1	3041.8	2925.5	2806.8
-50°	2881.0	2926.9	2950.1	2951.6	2950.1	2926.9	2881.0	2814.5	2734.0	2637.8	2542.3
-52.5°	2589.5	2626.2	2643.2	2643.5	2643.2	2626.2	2589.5	2537.1	2473.2	2392.2	2314.7
-55°	2347.6	2376.1	2386.7	2384.6	2386.7	2376.1	2347.6	2306.0	2255.3	2187.3	2121.8
-57.5°	2149.7	2177.6	2186.3	2183.3	2186.3	2177.6	2149.7	2113.2	2069.4	2011.4	1952.2
-60°	1955.5	1985.4	1996.6	1995.7	1996.6	1985.4	1955.5	1913.2	1859.1	1792.5	1719.2
-62.5°	1648.5	1671.4	1683.7	1687.5	1683.7	1671.4	1648.5	1612.3	1561.5	1501.7	1435.2
-65°	1321.9	1340.3	1350.1	1353.2	1350.1	1340.3	1321.9	1293.3	1251.7	1203.9	1150.4
-67.5°	1026.1	1039.3	1045.6	1047.1	1045.6	1039.3	1026.1	1005.7	974.2	937.9	897.0
-70°	793.5	804.3	809.4	811.3	809.4	804.3	793.5	778.0	752.8	725.1	695.0
-72.5°	625.8	634.4	638.0	639.4	638.0	634.4	625.8	614.1	593.8	572.3	550.4
-75°	505.4	510.5	512.6	513.6	512.6	510.5	505.4	498.1	482.6	466.5	449.7
-77.5°	426.2	431.7	433.7	435.0	433.7	431.7	426.2	419.8	408.1	395.6	380.9
-80°	377.0	380.9	382.4	383.6	382.4	380.9	377.0	372.4	362.2	351.8	340.2
-82.5°	342.3	347.5	347.9	348.0	347.9	347.5	342.3	336.8	328.1	319.1	309.2
-85°	309.2	313.1	313.8	314.4	313.8	313.1	309.2	305.1	297.2	289.3	280.8
-87.5°	280.2	284.0	284.1	284.1	284.1	284.0	280.2	276.3	269.4	262.4	254.8
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	229.5	224.8	220.1	217.0	213.8	209.1	204.4	197.6	190.8	184.0	177.1
87.5°	3.0	3.0	3.0	3.0	3.1	3.6	4.0	4.1	4.2	4.2	4.2
85°	3.1	3.6	4.0	4.0	3.9	4.0	4.2	4.5	4.7	4.7	4.6
82.5°	4.0	4.1	4.2	4.2	4.2	4.5	4.7	4.9	5.2	5.3	5.4
80°	4.2	4.2	4.2	4.5	4.7	4.9	5.2	5.3	5.4	5.8	6.1
77.5°	4.2	4.2	4.3	4.8	5.2	5.3	5.4	5.9	6.1	6.2	6.3
75°	6.2	5.9	5.7	5.8	6.0	6.1	6.2	6.2	6.4	6.6	6.5
72.5°	11.1	10.8	10.3	9.8	9.3	9.5	9.4	8.9	8.4	7.8	7.2
70°	16.9	17.4	18.0	18.0	18.0	18.0	16.7	14.8	13.1	12.3	10.6
67.5°	22.4	23.0	24.6	26.9	26.6	26.2	25.2	23.7	21.2	18.8	15.4
65°	25.5	26.7	26.8	26.6	28.4	30.1	32.1	31.4	31.2	27.9	22.0
62.5°	21.8	24.1	23.3	22.8	25.3	30.3	38.2	41.7	43.6	40.6	33.2
60°	12.8	14.4	15.3	17.1	20.1	28.6	41.0	50.0	57.8	52.6	43.9
57.5°	6.3	7.5	9.7	12.7	16.1	27.2	41.5	53.7	62.5	59.2	53.6
55°	10.4	11.9	13.0	14.2	15.6	27.5	40.2	52.8	62.3	61.2	56.5
52.5°	32.3	37.6	37.3	30.6	31.5	38.6	41.6	54.8	63.5	64.6	60.8
50°	133.7	138.9	120.9	99.8	99.8	79.0	82.2	78.9	76.4	78.4	70.8
47.5°	355.9	338.1	298.2	266.5	238.5	207.2	192.2	155.7	148.2	114.3	108.4
45°	608.3	581.1	534.2	481.3	436.0	395.4	358.0	328.5	272.3	242.5	171.0
42.5°	845.6	802.5	747.8	690.5	636.4	576.2	531.5	497.0	458.8	401.4	338.7
40°	1200.1	1009.8	940.6	873.1	800.8	731.0	680.1	627.9	600.9	555.7	495.1
37.5°	1878.4	1462.7	1256.5	1052.9	964.3	886.4	827.7	774.1	722.4	682.7	625.6
35°	2990.4	2394.3	1844.8	1467.9	1169.8	1065.6	988.5	927.2	863.4	799.4	745.4
32.5°	4387.7	3648.2	2867.7	2191.8	1650.0	1313.1	1178.3	1091.2	1009.5	930.7	853.3
30°	6067.7	5140.6	4152.6	3240.7	2492.5	1845.7	1423.0	1276.4	1166.1	1066.7	965.3
27.5°	8964.1	7020.1	5822.9	4680.9	3732.8	2829.8	2013.3	1482.6	1336.0	1214.4	1094.0
25°	12932.5	10734.3	8570.7	7018.9	5747.8	4204.6	2894.7	2002.0	1540.8	1369.9	1226.5
22.5°	17900.5	14943.1	12233.3	9850.2	7994.3	6006.5	4141.4	2577.2	1761.5	1534.4	1365.6
20°	24181.5	19347.1	15959.0	12907.0	10235.3	7718.0	5358.2	3449.8	2246.6	1710.1	1500.9
17.5°	32476.5	25341.0	20128.4	16204.6	12808.4	9831.3	6978.7	4542.6	2700.9	1889.0	1633.9
15°	41243.3	32140.0	25055.7	19505.7	15159.0	11699.7	8626.5	5637.6	3334.9	2205.5	1782.4
12.5°	50622.6	39593.3	30119.2	22860.3	17382.6	13337.4	9977.0	6831.9	4190.5	2577.5	1908.6
10°	58517.6	45988.3	35292.9	26754.7	20271.8	15160.2	11130.7	7777.4	4874.3	2902.4	2019.6
7.5°	66805.3	51376.8	39236.6	29528.6	22499.6	17086.2	12319.3	8479.7	5398.5	3144.4	2105.0
5°	72457.4	54952.1	41913.4	31415.0	23905.3	18399.6	13440.3	8967.2	5730.9	3309.5	2176.6
2.5°	76000.5	56895.1	43360.5	32819.9	24645.6	19060.1	14318.4	9584.0	6011.8	3456.9	2248.3
0°	78031.8	58678.4	44560.7	33698.5	25056.4	19418.3	14773.9	10299.3	6201.0	3555.4	2306.0
-2.5°	79720.8	59001.0	44286.4	33020.5	24802.1	19245.4	14673.1	10571.7	6609.9	3655.2	2367.6
-5°	77886.8	58189.9	43304.2	32187.2	24453.0	18973.0	14461.1	10492.3	6722.3	3698.1	2411.3
-7.5°	73547.1	55772.5	41676.3	30968.5	23756.7	18516.9	14066.0	10042.7	6445.1	3717.6	2469.7
-10°	66991.5	51880.1	38932.9	29316.4	22757.4	17812.3	13484.6	9525.4	6071.1	3637.7	2507.5
-12.5°	60056.8	47029.4	35619.4	27007.3	21371.1	16815.6	12658.4	8814.5	5557.1	3455.8	2535.8
-15°	52601.5	41617.7	32268.9	25067.8	19749.8	15516.8	11607.1	7906.6	4892.9	3193.1	2540.6
-17.5°	44872.2	36183.4	28339.7	22516.0	17931.3	13989.4	10316.8	6993.3	4410.3	2996.9	2526.7
-20°	37088.5	30772.4	25106.8	20116.6	15852.3	12137.5	8778.2	5885.6	3916.9	2949.0	2520.7



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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°	30453.1	26210.8	21886.3	17549.0	13820.2	10280.3	7215.9	4783.0	3321.7	2845.2	2483.4
-25°	25598.1	22153.6	18621.2	15140.0	11642.6	8351.3	5646.0	3996.2	3121.7	2749.1	2415.0
-27.5°	21283.0	18305.0	15357.4	12324.0	9272.0	6508.3	4484.5	3294.2	2921.7	2620.7	2345.6
-30°	17247.0	14680.8	12083.8	9429.5	7027.8	4892.8	3526.8	3069.9	2754.4	2483.4	2236.9
-32.5°	13357.8	11212.7	8934.3	6840.3	5015.2	3746.5	3188.7	2854.3	2593.4	2354.5	2134.5
-35°	9670.0	7988.6	6175.4	4811.7	3671.6	3256.8	2949.7	2685.6	2443.2	2225.0	2030.1
-37.5°	6469.2	5258.6	4350.8	3521.5	3252.6	2990.3	2753.8	2520.4	2295.0	2108.1	1936.5
-40°	4326.7	3606.1	3403.5	3183.0	2978.5	2773.5	2564.1	2353.4	2169.4	1998.4	1847.6
-42.5°	3341.0	3196.0	3063.0	2908.9	2742.7	2565.2	2380.8	2208.2	2046.9	1901.6	1766.7
-45°	2997.7	2885.9	2779.5	2662.1	2521.6	2373.0	2216.2	2072.7	1935.2	1809.5	1686.3
-47.5°	2706.4	2617.5	2526.6	2436.4	2322.0	2200.2	2076.3	1949.7	1834.0	1711.7	1536.7
-50°	2453.2	2382.3	2305.4	2230.5	2149.4	2057.0	1949.7	1841.8	1709.8	1544.1	1380.1
-52.5°	2243.6	2182.6	2120.0	2062.8	2001.1	1923.9	1828.5	1680.8	1528.7	1370.6	1216.6
-55°	2064.2	2012.6	1960.9	1916.1	1858.1	1746.0	1624.7	1482.4	1334.2	1188.4	1056.2
-57.5°	1907.1	1850.3	1774.4	1700.1	1624.9	1519.2	1399.5	1266.0	1139.1	1017.1	897.2
-60°	1660.5	1596.6	1520.7	1443.2	1367.1	1273.8	1173.4	1065.3	952.4	852.1	752.5
-62.5°	1377.2	1316.4	1250.3	1184.3	1122.8	1050.7	963.0	876.5	785.1	696.1	624.3
-65°	1102.3	1054.1	999.4	946.9	898.5	845.3	771.7	705.9	640.9	574.6	512.0
-67.5°	858.8	821.0	778.5	736.8	705.9	672.8	623.9	570.4	523.1	480.1	440.2
-70°	667.0	642.2	615.0	585.3	561.7	541.2	510.8	475.0	437.9	404.5	373.8
-72.5°	530.3	514.6	497.3	478.5	459.7	444.4	423.5	397.2	369.7	340.3	316.1
-75°	433.6	422.0	409.4	396.5	382.9	368.3	354.7	339.1	322.2	304.2	287.5
-77.5°	367.3	359.3	351.2	344.1	336.6	328.3	318.3	304.4	291.2	277.2	264.2
-80°	329.1	322.4	315.8	310.4	304.7	297.9	290.0	278.4	266.7	254.7	243.5
-82.5°	299.4	293.8	288.1	283.0	277.7	271.4	264.7	254.8	244.8	234.3	224.0
-85°	272.3	267.1	261.9	257.2	252.4	246.9	241.1	232.4	223.8	214.3	204.9
-87.5°	247.2	242.2	237.2	233.7	230.1	225.0	219.8	212.5	205.1	197.0	188.9
-90°	2.1	2.1	2.1	2.6	3.1	3.1	3.1	3.7	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	170.9	164.6	158.3	152.0	146.8	141.5	135.8	130.0	122.2	114.3	102.2
87.5°	4.5	4.8	5.3	5.8	5.8	5.8	6.2	6.7	6.7	6.6	7.1
85°	5.1	5.5	5.9	6.3	6.3	6.3	6.7	7.1	7.1	7.0	7.4
82.5°	5.8	6.2	6.2	6.3	6.6	6.8	7.2	7.6	7.5	7.4	7.8
80°	6.2	6.3	6.5	6.6	6.9	7.4	7.8	8.1	8.2	8.1	8.3
77.5°	6.3	6.4	6.9	7.2	7.2	7.4	8.0	8.5	8.8	8.9	9.0
75°	6.3	6.5	7.0	7.4	7.4	7.5	8.0	8.6	9.2	9.6	9.6
72.5°	7.0	7.0	7.3	7.6	7.9	8.2	8.4	8.8	9.6	10.0	10.2
70°	8.9	8.0	8.0	8.4	8.7	9.0	9.4	9.6	10.0	10.6	10.8
67.5°	11.6	10.4	9.6	9.5	9.8	10.1	10.4	10.6	10.9	11.1	11.4
65°	18.2	14.7	11.5	11.4	11.3	11.2	11.4	11.9	11.8	12.4	12.0
62.5°	26.3	21.0	17.6	14.6	13.7	14.4	12.8	14.2	13.1	13.8	13.4
60°	35.6	28.3	24.6	21.7	19.4	19.0	18.2	16.9	16.6	15.5	15.3
57.5°	43.5	34.8	32.7	29.4	28.1	26.1	25.0	22.9	20.6	19.3	17.3
55°	49.6	42.4	41.4	38.7	38.1	35.1	33.5	30.7	26.0	23.9	19.6
52.5°	53.1	52.1	51.2	51.1	50.5	46.2	44.4	39.2	35.1	28.9	24.2
50°	61.9	65.4	64.1	67.2	64.9	62.6	56.1	50.8	44.9	35.4	29.3
47.5°	91.5	94.1	86.9	89.2	84.9	81.6	73.4	63.9	55.3	45.0	34.6
45°	168.8	141.5	133.1	123.0	113.0	108.6	94.2	77.9	68.1	55.2	40.1
42.5°	276.3	238.4	212.4	163.7	160.1	141.8	119.3	100.4	81.6	65.8	47.9
40°	422.6	372.0	316.2	264.5	218.8	179.7	156.3	126.5	95.7	77.4	57.4
37.5°	562.9	505.5	448.6	378.8	296.4	243.0	198.6	154.7	114.1	90.9	67.1
35°	679.0	622.8	569.3	494.4	408.6	309.6	245.0	188.9	140.3	104.9	76.9
32.5°	783.5	718.7	655.3	594.4	501.8	377.7	301.3	228.0	167.1	119.5	86.8
30°	883.4	804.7	730.8	671.8	575.6	454.3	356.9	265.3	194.4	134.5	96.9
27.5°	987.1	891.0	803.6	734.9	635.4	520.1	400.7	300.6	222.1	150.9	108.0
25°	1098.3	985.3	888.5	801.2	695.8	568.9	439.9	334.2	250.9	169.9	118.5
22.5°	1215.9	1079.8	970.3	872.3	762.4	616.6	478.0	368.6	273.3	187.7	128.5
20°	1327.2	1167.8	1045.1	931.3	826.2	670.5	517.2	396.3	294.2	204.1	138.0
17.5°	1438.0	1252.6	1102.9	983.1	880.4	726.2	557.4	422.3	313.6	219.3	146.9
15°	1542.3	1335.2	1161.1	1029.0	924.0	778.7	596.7	446.7	331.4	233.1	155.7
12.5°	1639.1	1413.1	1218.5	1068.4	956.3	825.8	634.3	469.4	347.5	247.0	164.7
10°	1725.8	1486.3	1274.5	1106.1	984.4	867.6	669.6	494.3	368.3	260.8	173.2
7.5°	1797.2	1553.2	1326.2	1141.8	1009.8	903.4	707.8	526.3	388.8	273.2	181.0
5°	1858.4	1613.6	1377.6	1183.6	1039.3	932.4	742.5	556.4	407.9	284.2	188.1
2.5°	1913.7	1666.6	1425.8	1223.4	1066.5	955.6	772.8	584.1	425.1	293.8	194.5
0°	1959.0	1710.6	1467.4	1258.8	1091.1	973.7	798.7	609.0	440.2	301.9	200.2
-2.5°	1999.9	1741.8	1501.8	1296.0	1132.0	1000.7	814.5	621.5	452.6	312.5	207.1
-5°	2029.9	1764.7	1529.7	1328.5	1168.7	1022.5	825.8	630.5	462.5	321.3	213.1
-7.5°	2077.2	1791.2	1554.5	1357.0	1200.2	1038.4	832.5	636.3	469.7	328.2	218.2
-10°	2114.1	1815.5	1577.6	1380.6	1220.8	1051.7	836.0	638.7	474.3	333.0	222.3
-12.5°	2142.8	1833.0	1592.9	1398.0	1237.1	1063.1	844.9	641.6	476.0	335.5	225.4
-15°	2164.5	1858.8	1608.9	1410.0	1250.8	1068.9	847.3	641.4	473.9	335.1	227.4
-17.5°	2171.4	1868.6	1617.0	1419.4	1260.4	1069.2	842.6	636.0	468.7	331.8	228.7
-20°	2174.9	1872.6	1613.9	1420.3	1263.3	1056.7	830.3	625.1	460.2	326.5	229.3



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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°	2164.8	1874.3	1624.5	1418.8	1253.1	1037.0	810.4	608.8	448.4	319.2	229.0
-25°	2122.5	1865.6	1626.5	1423.8	1226.5	1008.9	789.0	591.8	433.3	310.0	227.6
-27.5°	2071.5	1832.9	1616.5	1417.5	1199.3	976.2	765.9	577.2	420.4	298.8	225.3
-30°	2015.2	1795.3	1593.1	1394.5	1162.8	940.6	738.0	558.1	408.4	292.1	222.0
-32.5°	1935.4	1751.5	1562.0	1346.5	1117.5	898.7	704.5	534.2	393.3	288.2	219.1
-35°	1858.0	1698.1	1524.1	1288.0	1064.4	856.3	668.2	505.5	375.0	282.7	215.8
-37.5°	1775.9	1631.9	1449.8	1220.1	1002.1	807.4	631.3	478.1	353.5	275.5	211.4
-40°	1701.9	1543.7	1346.8	1143.2	937.2	751.0	589.5	451.3	339.8	266.8	205.9
-42.5°	1623.6	1425.4	1237.7	1052.8	866.1	696.2	544.5	421.3	328.4	258.3	199.2
-45°	1495.0	1303.8	1122.0	955.3	789.3	635.6	506.8	390.8	314.9	249.3	193.5
-47.5°	1359.3	1178.2	1006.8	853.0	714.7	574.1	463.2	373.0	299.4	238.8	190.1
-50°	1218.0	1052.0	893.7	756.7	629.4	522.0	421.6	352.7	285.5	226.8	186.0
-52.5°	1072.1	926.6	786.7	660.0	559.5	466.3	393.0	329.4	269.8	218.9	181.4
-55°	926.7	805.6	681.1	576.7	491.3	424.9	362.2	307.0	252.6	212.3	176.5
-57.5°	790.8	684.7	589.5	501.7	436.8	384.8	332.8	283.0	241.6	205.0	173.7
-60°	659.9	583.0	502.7	442.3	390.5	346.3	303.6	261.6	231.8	197.5	170.1
-62.5°	552.5	489.0	441.6	391.1	347.4	310.5	275.8	248.1	220.6	192.3	165.9
-65°	468.0	426.8	384.9	345.6	307.6	278.7	259.3	234.0	211.5	186.4	161.1
-67.5°	401.5	368.4	335.7	301.2	277.8	259.7	241.9	222.8	202.9	180.0	155.9
-70°	343.1	313.5	293.7	275.7	257.4	241.3	228.9	212.7	194.0	173.3	150.2
-72.5°	299.5	283.9	268.8	253.1	240.2	228.1	216.5	202.2	184.9	166.1	144.2
-75°	272.6	260.4	248.9	237.1	225.7	214.8	204.1	191.4	175.5	158.6	138.0
-77.5°	253.5	243.0	231.9	221.2	211.4	201.4	191.4	180.2	165.8	150.7	131.6
-80°	234.5	225.2	215.5	206.2	197.1	187.8	178.9	169.1	156.0	142.5	124.8
-82.5°	215.5	207.1	199.2	191.0	183.0	175.1	166.7	157.8	146.0	134.0	118.5
-85°	197.8	190.6	183.2	175.7	169.0	162.3	154.9	147.4	137.5	127.5	113.2
-87.5°	182.8	176.6	170.0	163.4	157.7	151.9	145.4	138.8	129.9	121.0	107.8
-90°	4.2	4.2	4.7	5.2	5.2	5.2	5.8	6.3	6.3	6.3	6.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	90.1	74.9	59.7	42.9	26.2	17.8	9.4
87.5°	7.6	7.6	7.7	7.6	7.5	8.5	9.4
85°	7.9	8.0	8.0	7.8	7.7	8.7	9.4
82.5°	8.2	8.3	8.4	8.1	7.9	8.9	9.4
80°	8.5	8.7	8.8	8.4	8.1	9.1	9.4
77.5°	9.1	9.1	9.1	8.7	8.3	9.3	9.4
75°	9.6	9.6	9.5	8.9	8.5	9.5	9.4
72.5°	10.2	10.0	9.9	9.2	8.8	9.7	9.4
70°	10.8	10.5	10.3	9.5	9.0	9.9	9.4
67.5°	11.5	11.0	10.7	9.9	9.3	10.1	9.4
65°	12.3	11.7	11.1	10.3	9.6	10.3	9.4
62.5°	13.2	12.6	11.6	10.7	9.9	10.5	9.4
60°	14.1	13.6	12.0	11.2	10.2	10.7	9.4
57.5°	16.1	14.7	13.1	11.6	10.8	10.9	9.4
55°	18.3	15.8	14.3	12.1	11.4	11.2	9.4
52.5°	20.6	17.1	15.5	12.5	12.1	11.4	9.4
50°	23.1	19.5	16.8	13.0	12.8	11.6	9.4
47.5°	25.9	22.0	18.1	13.6	13.5	11.8	9.4
45°	30.7	24.6	19.5	14.7	14.2	12.1	9.4
42.5°	35.5	27.3	21.0	15.7	15.0	12.3	9.4
40°	40.7	30.1	22.8	17.3	15.9	12.5	9.4
37.5°	46.0	33.0	25.0	19.1	16.7	12.7	9.4
35°	51.4	36.9	27.3	21.0	17.6	13.0	9.4
32.5°	57.6	41.1	29.5	22.9	18.5	13.2	9.4
30°	65.6	45.4	31.7	24.8	19.4	13.4	9.4
27.5°	73.4	49.5	34.8	26.7	20.4	13.6	9.4
25°	80.9	53.5	37.9	28.6	21.4	13.9	9.4
22.5°	88.2	57.8	40.9	30.5	22.3	14.1	9.4
20°	95.2	62.5	43.9	32.4	23.3	14.3	9.4
17.5°	102.4	67.2	46.7	34.3	24.3	14.5	9.4
15°	109.5	71.7	49.5	36.1	25.2	14.7	9.4
12.5°	116.3	76.0	52.2	37.9	26.2	14.9	9.4
10°	122.5	80.1	54.8	39.7	27.1	15.1	9.4
7.5°	128.3	84.0	57.2	41.4	28.0	15.2	9.4
5°	133.6	87.7	59.6	43.0	28.8	15.4	9.4
2.5°	138.4	91.1	61.8	44.6	29.6	15.6	9.4
0°	142.6	94.3	63.9	46.1	30.4	15.7	9.4
-2.5°	147.5	98.1	66.9	48.1	31.6	16.3	9.4
-5°	151.8	101.6	69.7	49.9	32.7	16.8	9.4
-7.5°	155.5	104.8	72.4	51.7	33.7	17.4	9.4
-10°	158.6	107.7	74.9	53.3	34.7	17.9	9.4
-12.5°	161.0	110.2	77.1	54.8	35.6	18.4	9.4
-15°	162.7	112.4	79.2	56.2	36.4	18.8	9.4
-17.5°	163.8	114.2	81.1	57.5	37.2	19.3	9.4
-20°	164.6	115.7	82.7	58.6	37.9	19.7	9.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	165.4	116.8	84.1	59.6	38.5	20.1	9.4
-25°	165.4	118.1	85.3	60.5	39.1	20.5	9.4
-27.5°	164.7	119.4	86.2	61.1	39.6	20.8	9.4
-30°	163.3	120.2	86.9	61.7	39.9	21.1	9.4
-32.5°	161.0	120.6	88.1	62.1	40.3	21.4	9.4
-35°	160.2	120.6	89.0	62.3	40.5	21.6	9.4
-37.5°	159.7	120.6	89.7	62.4	40.6	21.8	9.4
-40°	158.7	121.1	90.1	62.3	40.7	21.9	9.4
-42.5°	157.0	121.3	90.4	62.2	40.7	22.1	9.4
-45°	154.7	121.2	90.5	62.3	40.6	22.1	9.4
-47.5°	151.8	120.7	90.4	62.3	40.4	22.2	9.4
-50°	150.3	119.9	90.1	62.3	40.2	22.2	9.4
-52.5°	148.6	118.9	89.5	62.2	39.9	22.2	9.4
-55°	146.6	117.4	88.6	61.9	39.4	22.1	9.4
-57.5°	144.3	115.6	87.4	61.5	39.0	22.0	9.4
-60°	141.6	113.5	86.0	60.9	38.4	21.9	9.4
-62.5°	138.4	111.1	84.9	60.2	37.8	21.7	9.4
-65°	134.9	108.4	83.5	59.2	37.1	21.5	9.4
-67.5°	131.0	105.6	81.9	58.2	36.4	21.2	9.4
-70°	126.7	102.8	80.0	57.0	35.5	21.0	9.4
-72.5°	122.3	99.7	78.0	55.6	34.6	20.7	9.4
-75°	117.7	96.3	75.8	54.2	33.6	20.3	9.4
-77.5°	112.7	92.6	73.5	52.6	32.5	20.0	9.4
-80°	107.4	89.2	71.0	50.9	31.3	19.6	9.4
-82.5°	103.2	85.9	68.4	49.1	30.1	19.2	9.4
-85°	99.0	82.4	65.7	47.1	28.9	18.7	9.4
-87.5°	94.6	78.7	62.7	45.1	27.6	18.3	9.4
-90°	7.3	7.3	7.3	7.3	7.3	8.4	9.4

(END OF REPORT)