

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: P902097 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-NMB-LTM**

Issue Date: 11/13/2024

Test Information

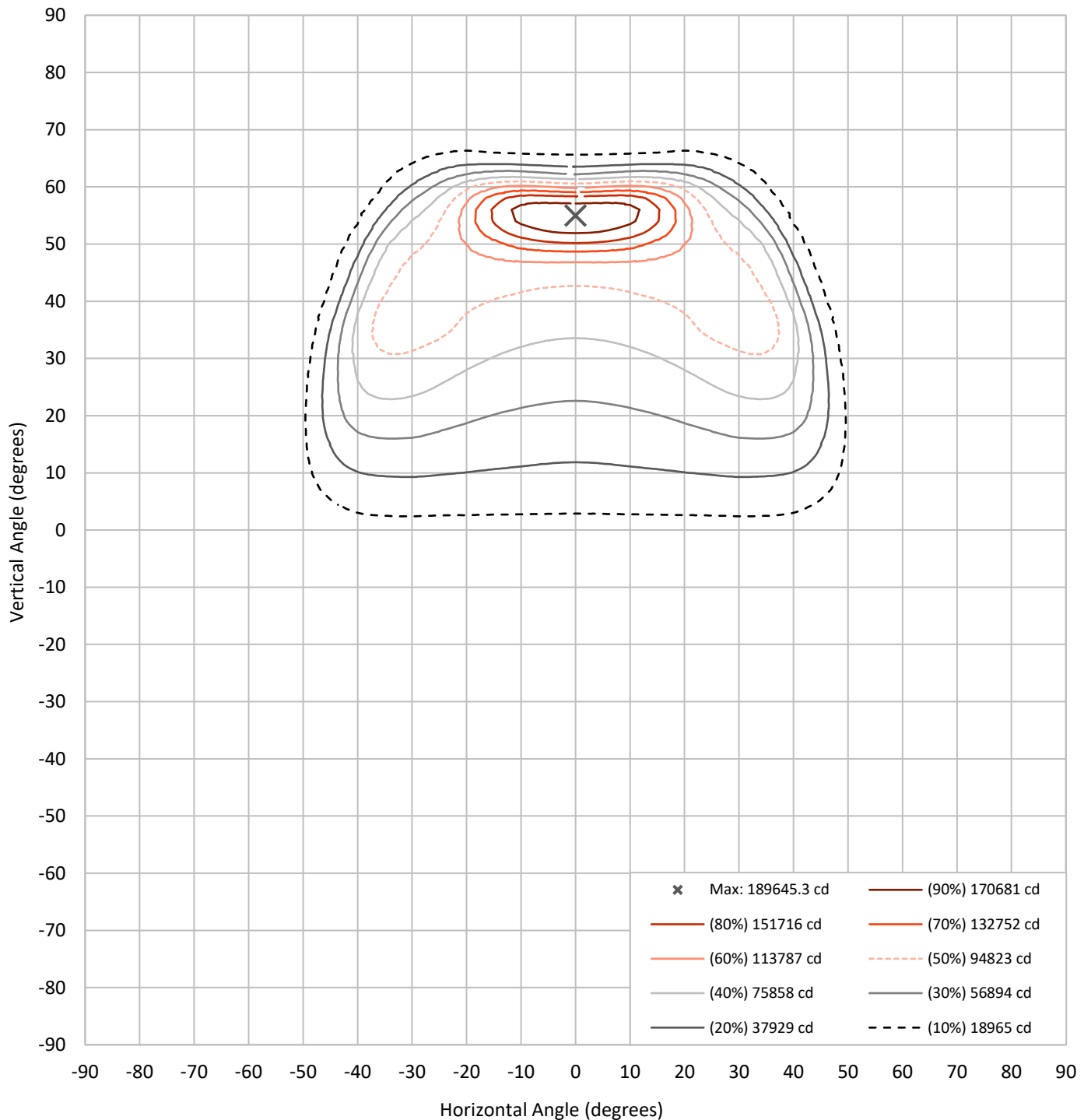
Test Method: LM-79-08
Report Number: P902097 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2I477U1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-NMB-LTM
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-NMB-LTM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	120555.7 lumens	Max Intensity:	189645.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 55°V
Efficacy:	85.3 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	49.1°H x 17.9°V	Field Angle (10%):	78.4°H x 62.4°V
Beam Lumens:	45618.3 lumens	Field Lumens:	110563 lumens
Beam Efficiency:	37.8%	Field Efficiency:	91.7%
Input Watts (W):	1413		
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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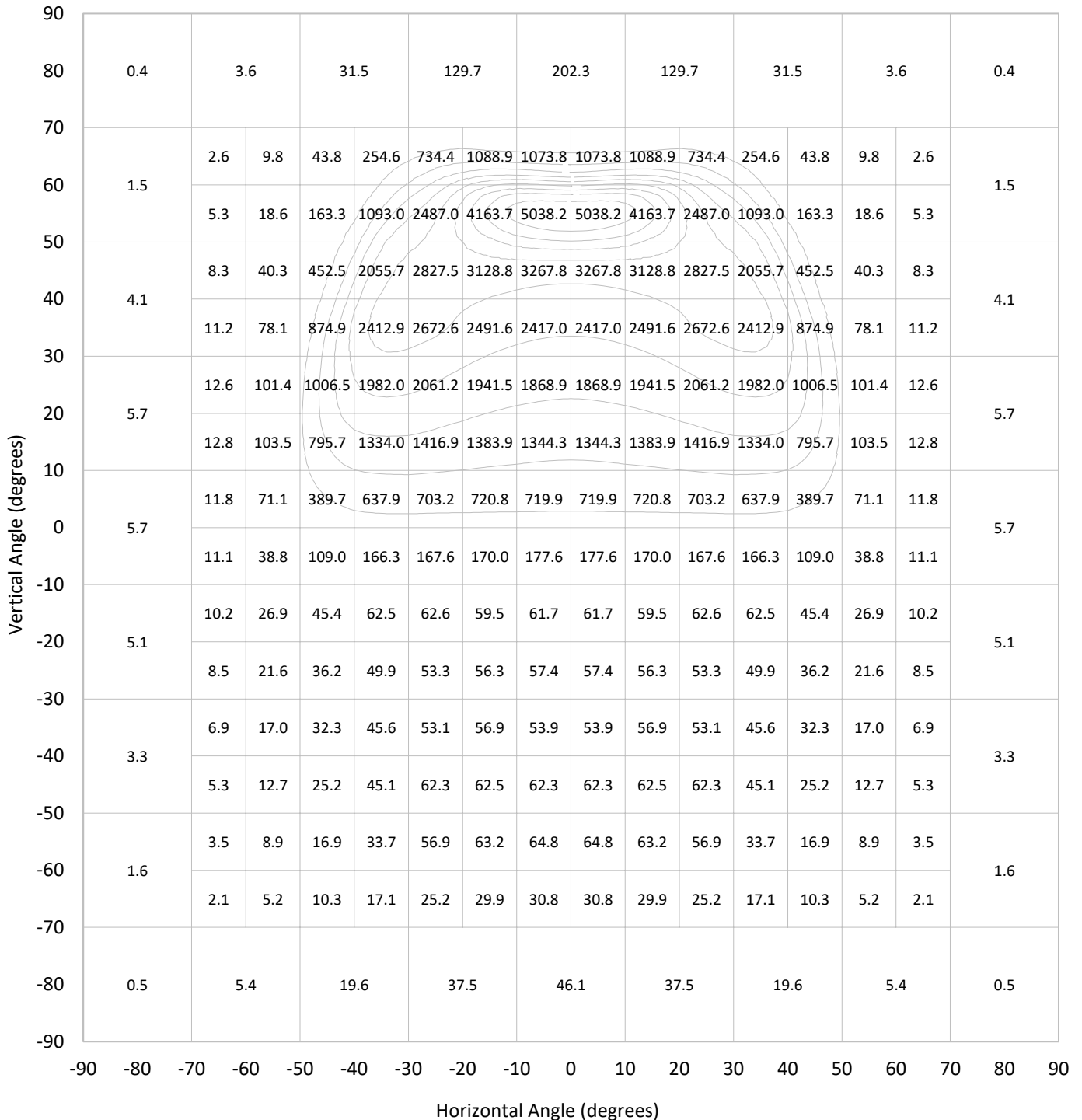
Iso-Candela Plot





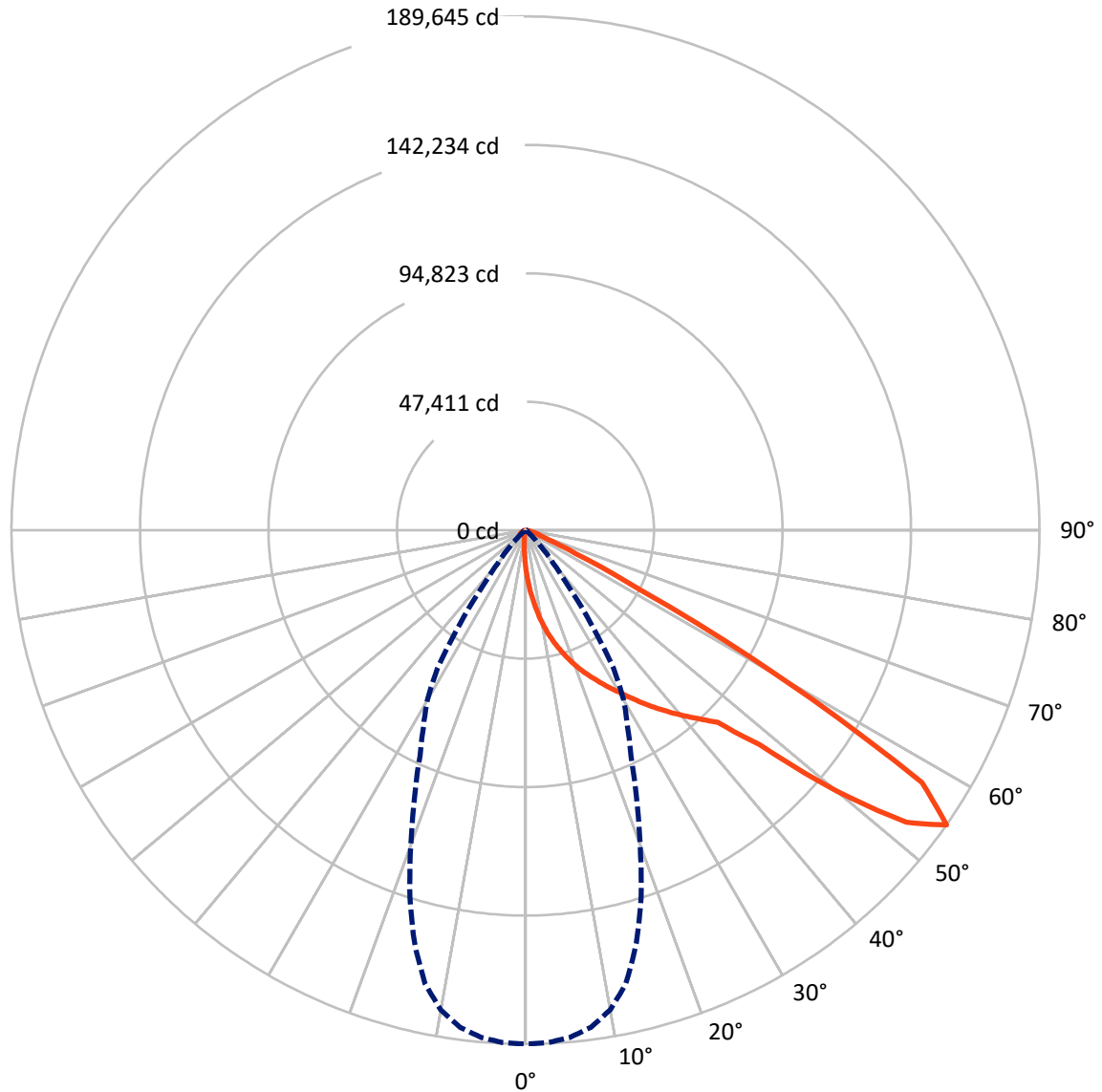
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Lumen Table



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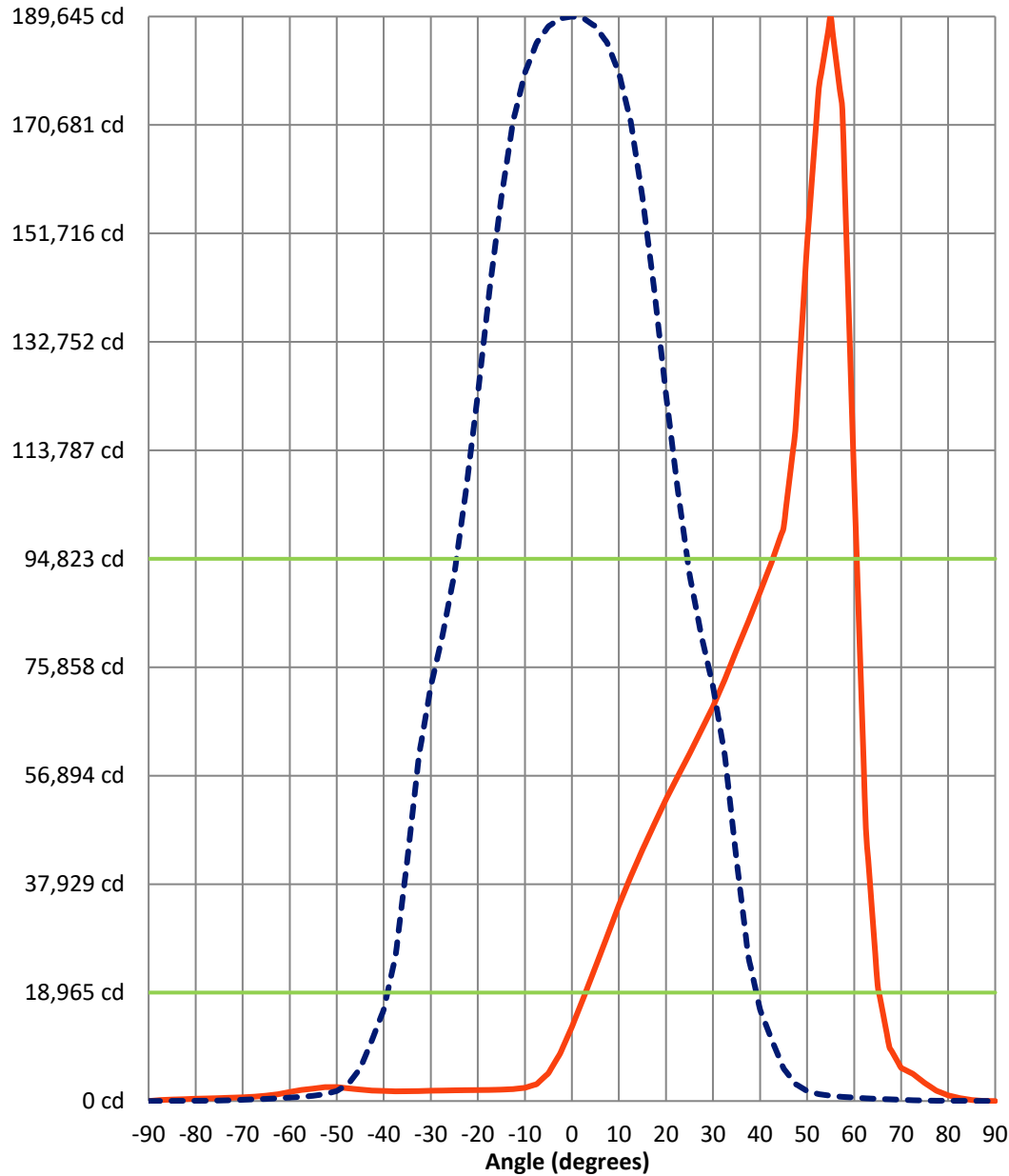
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 55-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 49.1°
 V Angle: 17.9°
 Lumens: 45618.3
 Efficiency: 37.8%

Field:
 H Angle: 78.4°
 V Angle: 62.4°
 Lumens: 110563
 Efficiency: 91.7%

Spill:
 Lumens: 9992.7
 Efficiency: 8.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 55-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.3	2.6	3.9	5.1	6.4	7.7	8.9	10.1	11.3	12.5
85°	0.0	2.6	5.2	7.7	10.3	12.8	15.3	17.8	20.2	22.6	23.9
82.5°	0.0	3.9	7.7	11.6	15.4	19.2	22.9	24.4	25.4	26.1	26.3
80°	0.0	5.1	10.3	15.4	20.5	24.0	25.3	26.7	27.9	28.8	29.2
77.5°	0.0	6.4	12.8	19.2	24.1	25.2	27.0	28.8	31.8	35.5	34.2
75°	0.0	7.7	15.3	22.9	25.1	26.4	28.6	33.7	39.1	43.2	45.8
72.5°	0.0	8.9	17.8	24.7	26.2	27.5	31.6	39.8	46.5	62.3	73.1
70°	0.0	10.1	20.2	25.9	27.3	29.1	34.7	45.3	64.6	87.8	106.2
67.5°	0.0	11.3	22.6	27.0	28.6	31.2	37.6	55.1	81.6	119.4	151.7
65°	0.0	12.5	24.1	28.2	30.9	33.4	43.1	65.2	101.5	156.0	196.4
62.5°	0.0	13.7	24.8	29.3	34.6	35.5	52.0	74.8	129.2	191.3	240.6
60°	0.0	14.8	25.5	30.4	38.9	40.5	60.8	96.7	156.2	226.3	281.6
57.5°	0.0	15.9	26.2	31.7	43.6	48.8	69.4	118.1	190.0	261.9	324.5
55°	0.0	17.0	26.8	35.2	49.0	57.0	90.2	141.2	225.7	308.3	376.2
52.5°	0.0	18.0	27.4	38.6	55.3	65.3	108.5	174.1	261.7	355.7	453.9
50°	0.0	19.0	28.0	41.8	62.9	75.1	123.4	205.5	303.8	408.0	524.6
47.5°	0.0	20.0	28.5	44.9	69.5	86.6	136.2	233.8	345.7	473.2	586.6
45°	0.0	20.9	29.0	47.8	74.2	97.7	158.1	263.8	384.9	539.2	641.4
42.5°	0.0	21.8	29.5	50.6	78.7	108.3	180.6	295.9	436.0	593.9	690.0
40°	0.0	22.7	29.9	53.0	82.9	118.5	203.9	324.1	481.3	636.0	734.8
37.5°	0.0	23.5	30.3	55.1	87.0	128.3	224.0	348.4	520.6	665.0	778.5
35°	0.0	23.9	31.3	57.3	91.7	140.2	239.7	371.6	542.0	689.9	821.0
32.5°	0.0	24.0	32.5	59.4	96.6	151.8	252.5	391.2	553.7	706.8	837.1
30°	0.0	24.2	33.6	61.2	101.2	161.7	262.7	407.3	560.7	707.5	844.0
27.5°	0.0	24.4	34.8	62.7	104.4	170.0	273.7	421.1	567.5	704.9	845.3
25°	0.0	24.6	35.8	64.0	107.1	176.7	284.3	432.4	573.6	703.1	853.9
22.5°	0.0	24.7	36.7	65.0	109.5	181.8	293.6	442.8	574.9	706.8	856.1
20°	0.0	24.8	37.6	65.8	111.4	185.3	302.6	448.9	575.9	706.6	854.3
17.5°	0.0	24.9	38.4	67.0	113.0	187.6	309.2	452.6	577.0	706.0	849.5
15°	0.0	25.0	39.0	68.2	114.1	189.7	313.0	454.3	576.0	707.9	852.6
12.5°	0.0	25.1	39.6	69.2	114.2	191.5	315.4	454.1	572.5	707.6	857.3
10°	0.0	25.2	40.0	70.1	113.5	192.5	316.2	451.5	566.4	702.3	847.7
7.5°	0.0	25.2	40.4	70.8	112.2	193.0	316.5	446.8	558.3	693.8	833.7
5°	0.0	25.3	40.6	71.2	110.3	192.4	315.1	440.9	553.5	683.3	816.8
2.5°	0.0	25.3	40.8	71.5	108.0	190.8	311.6	433.6	548.9	671.5	801.8
0°	0.0	25.3	40.9	71.6	105.4	188.1	306.4	424.8	542.5	657.3	784.2
-2.5°	0.0	25.3	41.4	73.5	110.3	193.5	308.7	424.2	544.8	665.5	791.5
-5°	0.0	25.3	41.7	75.2	114.8	197.8	309.8	422.1	545.1	671.6	796.3
-7.5°	0.0	25.3	42.0	76.6	119.0	201.0	310.3	418.1	542.8	673.5	797.5
-10°	0.0	25.2	42.1	77.8	122.7	203.0	309.1	414.3	537.2	671.8	794.8
-12.5°	0.0	25.2	42.1	78.8	125.8	201.9	303.0	409.5	529.9	666.0	782.3
-15°	0.0	25.1	41.9	79.4	127.5	197.7	294.8	403.3	519.5	644.9	765.2
-17.5°	0.0	25.0	41.6	79.8	126.3	194.2	284.5	394.3	506.0	623.1	741.1
-20°	0.0	24.9	41.0	79.4	124.5	190.9	271.3	382.9	491.3	598.7	708.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.8	40.3	77.4	121.9	187.0	257.9	370.2	471.8	570.7	676.7
-25°	0.0	24.6	39.4	75.2	118.6	180.9	245.8	353.5	448.1	540.3	646.0
-27.5°	0.0	24.5	38.2	72.9	114.5	173.6	234.0	330.8	424.0	516.1	612.8
-30°	0.0	24.3	36.9	70.4	109.5	165.8	223.2	308.2	401.6	493.4	584.2
-32.5°	0.0	24.1	35.1	67.7	103.3	157.5	214.0	285.7	381.5	469.6	554.7
-35°	0.0	23.9	33.3	64.9	96.8	148.8	204.2	263.9	360.2	444.7	521.9
-37.5°	0.0	23.5	31.7	62.0	90.9	139.9	193.7	245.5	336.2	419.6	494.1
-40°	0.0	22.7	31.1	58.8	87.0	131.0	182.3	230.4	308.8	393.1	467.7
-42.5°	0.0	21.8	30.5	55.6	83.1	121.6	169.0	213.2	279.5	366.4	440.2
-45°	0.0	20.9	29.9	52.2	79.2	111.8	154.0	194.0	248.3	334.6	409.7
-47.5°	0.0	20.0	29.3	48.7	75.3	101.6	138.6	177.0	226.9	292.7	378.1
-50°	0.0	19.0	28.6	44.9	71.4	91.0	125.3	161.6	203.5	246.4	341.9
-52.5°	0.0	18.0	27.9	40.8	67.4	86.0	113.0	146.4	181.0	219.8	295.6
-55°	0.0	17.0	27.2	36.6	61.8	80.8	101.6	131.6	163.6	197.9	247.3
-57.5°	0.0	15.9	26.5	32.2	55.8	75.5	91.4	120.4	146.8	174.3	218.0
-60°	0.0	14.8	25.7	30.8	49.7	70.0	85.3	108.5	130.8	158.2	190.5
-62.5°	0.0	13.7	24.9	29.6	43.4	63.3	78.5	96.2	118.0	142.9	172.9
-65°	0.0	12.5	24.1	28.4	37.1	55.7	71.3	87.1	105.8	130.7	156.7
-67.5°	0.0	11.3	22.6	27.2	32.8	48.1	63.1	78.2	95.6	118.0	139.5
-70°	0.0	10.1	20.2	26.0	30.9	40.4	54.5	69.2	85.9	105.3	122.0
-72.5°	0.0	8.9	17.8	24.7	28.9	35.4	45.8	58.4	75.0	93.6	108.0
-75°	0.0	7.7	15.3	22.9	26.7	32.9	38.4	47.2	60.5	79.7	95.5
-77.5°	0.0	6.4	12.8	19.2	24.5	30.4	34.7	38.1	45.4	60.6	74.9
-80°	0.0	5.1	10.3	15.4	20.5	27.8	30.8	33.5	36.9	43.3	50.9
-82.5°	0.0	3.9	7.7	11.6	15.4	22.0	26.4	28.9	31.1	35.0	40.3
-85°	0.0	2.6	5.2	7.7	10.3	14.7	17.6	20.5	23.3	26.1	33.4
-87.5°	0.0	1.3	2.6	3.9	5.1	7.4	8.8	10.3	11.7	13.1	17.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.7	14.8	15.9	17.0	18.0	19.0	20.0	20.9	21.8	8.9	9.0
85°	24.4	24.8	25.7	26.3	26.8	27.3	27.8	29.2	29.8	29.9	40.5
82.5°	26.9	27.5	29.6	30.1	30.6	30.5	31.3	34.7	33.9	40.3	50.3
80°	29.8	30.2	31.1	32.2	33.6	35.8	44.9	53.7	47.0	45.2	73.2
77.5°	33.1	35.9	42.4	52.5	53.0	51.9	85.4	96.8	95.5	102.9	151.7
75°	54.5	56.8	62.3	98.4	116.2	147.4	177.1	196.5	229.6	283.2	412.3
72.5°	81.8	99.2	134.4	181.2	222.5	281.8	337.3	401.8	518.7	706.2	1096.2
70°	134.1	158.8	220.6	305.2	369.3	469.4	604.7	748.6	1036.1	1496.9	2029.7
67.5°	186.4	243.1	329.4	424.4	536.9	682.2	910.6	1277.2	1738.9	2499.5	3303.4
65°	236.8	320.0	416.2	528.7	685.2	838.9	1184.7	1708.4	2436.5	3802.5	5986.1
62.5°	285.1	385.2	503.1	645.7	820.6	1031.2	1424.9	2036.9	3062.2	5853.5	9777.2
60°	337.4	456.5	603.0	752.5	944.1	1214.1	1648.3	2636.8	4806.2	8854.9	13591.3
57.5°	396.4	543.1	679.1	840.6	1059.7	1393.9	2170.3	3735.8	7525.2	12386.4	17744.4
55°	477.8	610.6	733.7	920.5	1209.7	1758.3	3014.2	5724.3	10669.9	16022.2	25351.1
52.5°	550.9	669.1	788.7	1016.6	1424.6	2246.9	4116.8	8399.4	13789.7	20640.7	36707.5
50°	622.1	735.6	854.2	1155.1	1804.6	2915.7	5907.9	10924.5	16889.0	28664.9	50495.6
47.5°	689.0	810.4	926.9	1430.6	2283.5	4002.1	7960.1	13353.9	20877.8	39553.9	63836.2
45°	748.7	869.3	1057.0	1725.5	2842.5	5461.7	9574.4	15026.3	27634.2	49785.9	73497.3
42.5°	799.4	906.5	1268.0	2042.0	3505.3	6726.6	11070.8	18741.9	35849.9	59809.6	80270.1
40°	846.4	1010.3	1503.0	2440.5	4283.8	8005.7	13032.3	23802.2	44446.7	69063.1	87382.7
37.5°	908.1	1156.9	1988.7	3081.8	5282.6	9335.0	15523.7	29579.1	54528.2	77058.7	93241.3
35°	966.6	1321.4	2444.0	3448.0	6048.2	10494.2	18558.7	37332.6	61272.1	81970.3	95773.8
32.5°	1016.5	1575.6	2483.1	3679.8	6530.2	11632.6	22261.7	42541.9	64972.2	83022.4	93932.5
30°	1033.0	1682.8	2437.6	3659.5	6793.8	12078.5	24785.7	46154.7	65842.6	80319.9	89041.4
27.5°	1058.5	1689.1	2503.1	3924.6	7263.3	13767.8	27752.5	47306.0	65016.1	77459.3	84583.2
25°	1113.2	1740.8	2545.8	4188.2	7646.4	14522.9	30133.8	48623.5	64070.1	74538.8	79788.1
22.5°	1148.7	1754.1	2526.8	4250.4	7929.8	15613.4	31158.5	47803.4	61087.5	69637.3	73742.0
20°	1150.2	1757.1	2559.1	4448.9	8109.2	16609.8	31245.3	46071.8	57655.6	64435.2	67458.6
17.5°	1161.1	1726.2	2571.4	4420.6	7931.5	16418.5	30398.7	42972.1	52408.0	57918.6	60489.8
15°	1174.9	1697.5	2492.7	4232.0	7516.7	15840.3	28141.3	38890.6	46763.3	51341.5	53526.6
12.5°	1160.0	1647.9	2347.7	3950.3	7343.2	14911.7	25271.1	34364.8	40927.0	44535.4	46294.9
10°	1127.4	1611.6	2215.2	3687.2	6683.2	13270.9	21888.8	29220.8	34401.2	37558.0	39117.4
7.5°	1092.4	1563.0	2107.0	3421.5	6091.0	11364.9	18138.5	23711.5	27903.9	30574.5	31887.2
5°	1040.9	1499.5	1998.3	3098.5	5307.5	9295.7	14153.0	18245.6	21578.9	23797.1	24905.9
2.5°	1018.6	1463.4	1891.6	2752.7	4441.6	7158.1	10411.2	13236.7	15777.0	17632.2	18531.9
0°	992.6	1428.9	1794.7	2426.0	3616.3	5335.1	7279.4	9093.9	10870.8	12323.5	13042.7
-2.5°	989.6	1393.3	1721.8	2199.3	3027.3	4096.5	5218.0	6288.5	7500.8	8555.1	9021.3
-5°	981.5	1346.5	1642.0	2004.4	2566.9	3230.3	3873.1	4473.4	5228.1	5864.7	6120.8
-7.5°	968.7	1288.2	1558.1	1846.6	2233.3	2655.6	3032.7	3360.3	3761.9	4101.6	4176.5
-10°	953.9	1224.7	1464.7	1739.1	2007.9	2273.6	2498.9	2674.3	2877.7	3052.8	3129.3
-12.5°	929.4	1160.4	1382.3	1634.4	1850.9	2011.6	2159.1	2267.7	2386.3	2510.1	2628.8
-15°	899.4	1098.8	1330.1	1533.2	1724.2	1867.0	1948.4	2029.0	2116.8	2236.1	2396.4
-17.5°	861.4	1032.4	1269.0	1434.6	1606.7	1738.3	1799.2	1871.5	1958.8	2070.5	2248.7
-20°	825.8	975.7	1220.8	1360.1	1516.4	1639.3	1688.8	1774.0	1844.8	1974.4	2130.0



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NMB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	791.4	934.8	1153.1	1310.6	1441.8	1568.0	1619.0	1712.7	1800.6	1899.4	1987.7
-25°	754.3	888.9	1072.2	1246.5	1374.2	1509.1	1588.0	1660.0	1761.3	1843.6	1898.4
-27.5°	716.5	834.6	1005.9	1180.6	1317.9	1436.2	1553.0	1643.8	1717.9	1815.6	1866.0
-30°	681.1	786.6	939.9	1112.5	1268.8	1385.9	1484.9	1621.2	1704.5	1809.5	1844.8
-32.5°	647.4	745.3	873.1	1029.2	1191.7	1316.0	1422.7	1560.9	1674.6	1789.9	1800.7
-35°	612.8	703.6	808.9	941.6	1109.6	1253.8	1367.8	1518.7	1641.7	1745.9	1780.1
-37.5°	577.3	662.8	759.5	873.8	1018.8	1179.5	1294.7	1454.6	1605.2	1698.5	1756.4
-40°	542.7	621.5	715.4	813.6	929.3	1095.0	1220.3	1349.8	1489.4	1625.1	1698.3
-42.5°	509.9	584.8	673.4	765.8	864.6	981.3	1163.9	1270.1	1383.4	1512.3	1651.7
-45°	476.9	546.8	629.6	712.5	801.6	899.1	1031.6	1188.5	1286.3	1441.8	1584.9
-47.5°	442.5	506.0	582.5	660.8	745.7	832.0	928.6	1046.0	1212.8	1359.8	1527.9
-50°	407.0	469.4	535.0	607.8	684.9	773.4	844.2	932.2	1070.8	1250.1	1456.7
-52.5°	369.5	431.3	491.0	558.3	618.6	698.2	769.6	848.7	956.7	1091.0	1302.4
-55°	322.6	389.4	441.4	505.3	560.7	625.5	688.1	772.2	857.7	962.3	1113.1
-57.5°	270.8	341.2	395.0	448.8	502.9	560.1	609.4	682.7	767.4	865.5	969.1
-60°	234.2	287.8	344.6	398.5	446.8	493.6	543.3	610.4	680.0	767.1	855.5
-62.5°	205.8	245.5	287.0	342.7	401.3	435.2	482.6	541.0	598.2	674.8	741.9
-65°	182.0	208.1	246.0	279.5	338.7	374.6	423.6	474.7	534.0	588.7	629.6
-67.5°	160.1	183.8	214.3	244.9	278.8	304.2	354.8	404.9	469.2	513.8	535.0
-70°	142.6	161.2	186.1	213.9	239.8	261.7	293.8	330.4	387.6	437.1	470.5
-72.5°	127.2	145.0	162.1	184.9	209.1	230.5	255.0	282.7	316.2	352.5	391.4
-75°	110.5	125.5	139.9	160.9	181.5	202.4	227.0	247.8	264.4	293.3	331.1
-77.5°	91.0	103.4	120.0	137.6	153.7	170.4	189.3	210.9	221.2	249.7	284.6
-80°	67.9	80.6	96.1	111.8	125.4	134.9	154.1	172.5	177.6	205.4	241.9
-82.5°	49.8	58.7	66.5	78.5	86.8	94.7	110.4	126.9	131.9	161.8	188.6
-85°	36.4	40.3	44.2	49.7	57.5	61.2	67.4	78.7	79.9	115.0	143.0
-87.5°	18.9	20.5	22.0	23.5	31.8	33.7	38.4	48.2	55.3	86.8	104.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.9	10.9	11.9	12.8	13.8	14.6	15.3	17.3	18.5	19.3	22.6
85°	43.4	42.6	45.8	49.9	54.9	56.4	57.7	69.8	75.5	81.6	106.0
82.5°	60.6	61.2	76.9	100.2	116.8	120.4	127.4	153.9	174.9	210.8	256.9
80°	106.0	135.8	178.3	239.3	290.7	325.2	354.9	422.5	490.2	553.6	600.5
77.5°	234.4	322.0	413.6	497.2	582.5	671.0	756.9	913.0	1076.4	1204.6	1334.0
75°	659.5	910.3	1035.5	1085.9	1177.5	1338.7	1574.4	1976.0	2296.6	2478.2	2683.3
72.5°	1629.9	1947.8	2119.4	2445.7	2875.8	3170.5	3345.6	3503.1	3652.2	3842.1	4152.3
70°	2508.8	3031.9	3630.7	4528.6	5481.1	6062.3	5927.7	5541.1	5189.9	5103.2	5325.1
67.5°	4242.7	5909.0	7553.1	9042.5	10994.9	12224.6	12098.2	11146.8	10059.7	9194.4	9007.6
65°	8627.5	11990.9	15593.7	18735.4	22292.1	25104.5	26266.4	25905.4	24821.3	24043.8	22863.3
62.5°	14097.3	19217.1	25371.7	32287.5	39967.0	46827.5	51832.0	54995.5	57959.8	58159.0	56187.4
60°	19043.0	28714.2	40106.6	51226.8	62732.9	75549.5	89331.5	101690.7	110855.0	116544.5	118728.3
57.5°	26607.4	43612.6	57759.6	69155.0	81424.7	96671.4	114465.1	133467.9	150086.4	162914.8	172693.9
55°	42177.9	60489.8	72489.1	81488.0	92157.0	106919.1	123620.6	141889.9	158013.8	171303.7	179765.6
52.5°	58766.7	74061.5	82684.3	89429.2	97441.5	108306.4	120803.0	133853.1	146470.1	156964.4	165496.3
50°	73091.4	84433.2	90262.5	95142.2	100866.9	106998.2	114023.3	120402.0	127085.6	134002.0	140019.2
47.5°	82072.4	91356.3	96277.3	99560.0	102854.7	105880.8	108619.8	111204.8	113243.6	115187.8	116380.8
45°	87988.7	95608.1	99321.6	101375.0	102755.3	103362.9	103288.1	103413.5	103343.5	102619.2	101821.7
42.5°	92738.9	99242.5	102038.2	103095.6	103183.8	102395.5	101079.8	99617.6	99181.9	98266.8	96747.0
40°	98356.6	103937.5	106139.1	106013.6	105511.0	101657.0	98815.0	96131.4	94242.4	92659.6	91361.9
37.5°	102923.7	107830.6	107892.4	106789.5	104989.5	99086.5	94062.3	91021.7	88955.3	87506.0	86215.6
35°	103381.8	105280.5	104298.4	102233.6	99166.3	94591.6	89214.5	86321.8	84262.0	82799.5	81512.8
32.5°	98658.1	99541.5	97847.4	95390.0	92470.4	88796.2	84677.7	81817.4	79855.6	78222.4	76762.3
30°	92845.5	93255.3	91531.9	89144.5	86121.5	82796.8	79786.5	77313.4	75292.8	73497.0	71994.1
27.5°	87424.2	87444.6	85989.6	83807.6	80661.4	77470.4	74874.1	72595.2	70575.9	68843.6	67544.5
25°	81624.0	81331.7	79972.7	77963.5	74978.0	72039.7	69742.0	67639.5	65864.4	64392.8	63192.8
22.5°	75075.6	74742.7	73647.3	71726.6	69122.0	66620.4	64478.1	62734.8	61170.5	59854.8	58848.0
20°	68337.7	67946.1	67112.1	65461.7	63192.8	61150.5	59494.2	57881.8	56540.5	55449.5	54574.3
17.5°	61213.0	61055.7	60602.0	59259.7	57356.1	55858.6	54529.5	53155.0	52026.3	51102.3	50300.4
15°	54146.4	54139.0	53896.2	52921.3	51559.6	50422.9	49322.6	48245.3	47319.2	46528.3	45718.1
12.5°	46923.4	47100.4	47121.4	46416.6	45433.3	44554.4	43718.0	42905.5	42156.3	41481.3	40884.0
10°	39706.1	39922.7	40025.5	39586.6	38891.8	38254.3	37686.7	37048.0	36459.8	36015.4	35563.7
7.5°	32431.4	32739.0	32830.0	32530.2	32001.9	31628.4	31322.5	30868.0	30451.7	30157.5	29873.7
5°	25394.8	25635.3	25728.0	25452.6	25187.5	24999.8	24827.1	24567.1	24347.4	24194.1	24062.2
2.5°	18940.3	19069.7	19082.1	18961.5	18735.2	18672.8	18632.7	18536.5	18458.9	18418.4	18394.3
0°	13250.4	13253.9	13203.3	13075.9	12899.9	12905.2	12969.7	12957.1	12922.4	12905.6	12911.4
-2.5°	9048.5	8863.5	8609.9	8373.0	8207.1	8183.0	8171.3	8090.0	8027.9	8023.6	8064.6
-5°	5976.2	5647.5	5350.8	5072.3	4935.6	4867.2	4755.9	4616.6	4532.8	4545.9	4520.4
-7.5°	4065.5	3783.7	3485.2	3367.5	3291.0	3167.2	3006.3	2907.4	2854.5	2750.6	2862.5
-10°	3086.8	2891.7	2713.3	2661.3	2619.9	2520.0	2409.3	2347.6	2339.9	2299.0	2315.8
-12.5°	2635.8	2625.2	2510.7	2474.2	2389.1	2255.5	2180.8	2139.4	2060.2	2058.8	2077.4
-15°	2471.5	2555.4	2548.3	2415.3	2211.4	2080.7	2014.4	1971.4	1968.7	1975.7	1978.8
-17.5°	2377.8	2472.2	2551.7	2371.8	2087.8	1943.0	1900.4	1914.4	1905.5	1924.6	1934.4
-20°	2228.0	2345.5	2438.6	2270.3	1978.3	1844.4	1864.9	1861.7	1882.5	1910.3	1923.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2059.8	2185.5	2253.7	2089.6	1877.9	1818.8	1847.8	1863.2	1891.6	1909.6	1921.1
-25°	1939.3	2031.3	2104.2	1962.6	1834.2	1811.9	1859.8	1890.4	1909.7	1921.9	1935.2
-27.5°	1889.0	1956.9	2049.8	1950.1	1839.0	1835.8	1903.1	1936.6	1951.8	1953.1	1942.1
-30°	1841.1	1891.9	1998.8	1939.7	1843.3	1853.9	1941.9	1980.1	1971.5	1981.8	1945.4
-32.5°	1796.9	1842.1	1947.2	1912.0	1830.9	1837.6	1936.0	1974.4	1974.3	1967.5	1918.1
-35°	1758.8	1830.7	1935.6	1922.3	1832.2	1840.6	1904.7	1970.6	1964.3	1921.3	1862.0
-37.5°	1805.6	1898.0	2013.7	2034.7	1933.7	1894.1	1948.3	1954.3	1915.3	1897.4	1842.2
-40°	1791.3	1966.6	2171.3	2185.7	2065.4	1986.5	1950.9	1916.3	1897.1	1866.8	1824.5
-42.5°	1792.8	2009.6	2244.1	2247.8	2142.2	2082.7	2005.1	1954.4	1922.5	1885.5	1873.1
-45°	1779.1	2040.1	2245.8	2293.2	2276.2	2207.8	2170.6	2116.3	2081.2	2049.0	2018.8
-47.5°	1753.9	2030.0	2261.4	2374.7	2403.7	2408.0	2375.8	2337.8	2316.2	2275.3	2253.0
-50°	1714.4	1993.6	2277.2	2438.5	2514.3	2544.9	2532.6	2514.4	2477.6	2465.3	2460.4
-52.5°	1568.8	1810.4	2141.4	2353.0	2471.9	2539.1	2511.6	2496.6	2474.0	2441.5	2428.1
-55°	1305.2	1535.8	1766.0	2003.7	2174.9	2283.7	2291.5	2257.2	2219.2	2182.7	2175.6
-57.5°	1086.0	1281.0	1516.7	1686.4	1784.9	1827.2	1849.4	1872.9	1899.1	1914.7	1916.4
-60°	965.1	1059.4	1188.0	1358.0	1476.8	1533.9	1560.2	1554.4	1547.1	1561.7	1573.1
-62.5°	811.5	868.8	931.0	1043.4	1141.6	1196.6	1205.7	1220.4	1259.7	1274.6	1266.9
-65°	653.9	686.0	724.2	801.7	875.7	917.7	932.1	950.6	962.8	962.7	959.3
-67.5°	553.6	572.9	591.9	632.4	683.4	724.6	748.3	760.6	768.0	767.7	767.2
-70°	480.5	494.7	517.0	548.4	578.2	605.7	626.7	636.2	642.3	648.0	654.6
-72.5°	413.6	423.7	448.7	472.7	488.5	510.7	531.7	543.1	553.4	563.4	579.3
-75°	351.0	358.7	379.6	398.7	413.6	434.4	452.1	463.5	483.5	496.6	505.2
-77.5°	295.3	301.7	318.1	336.2	351.9	367.8	379.9	399.2	416.3	428.6	434.9
-80°	254.3	260.3	274.4	288.2	300.8	318.9	330.8	349.8	365.7	374.4	379.2
-82.5°	203.3	205.8	227.8	236.9	250.2	260.7	272.9	290.9	296.6	310.8	319.1
-85°	155.2	157.3	179.1	182.7	195.8	203.3	221.6	236.9	241.8	251.0	260.0
-87.5°	110.2	111.5	114.4	120.9	123.8	129.4	138.8	145.7	159.9	163.6	175.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	28.8	28.2	23.9	24.0	23.9	28.2	28.8	22.6	19.3	18.5	17.3
85°	142.0	169.9	181.9	183.6	181.9	169.9	142.0	106.0	81.6	75.5	69.8
82.5°	346.3	444.8	503.8	511.5	503.8	444.8	346.3	256.9	210.8	174.9	153.9
80°	741.0	852.2	961.2	996.1	961.2	852.2	741.0	600.5	553.6	490.2	422.5
77.5°	1500.3	1623.4	1748.2	1808.8	1748.2	1623.4	1500.3	1334.0	1204.6	1076.4	913.0
75°	2830.7	2932.0	3066.4	3171.4	3066.4	2932.0	2830.7	2683.3	2478.2	2296.6	1976.0
72.5°	4378.3	4523.3	4683.4	4754.7	4683.4	4523.3	4378.3	4152.3	3842.1	3652.2	3503.1
70°	5608.1	5731.0	5840.6	5806.8	5840.6	5731.0	5608.1	5325.1	5103.2	5189.9	5541.1
67.5°	9147.0	9329.9	9442.1	9451.2	9442.1	9329.9	9147.0	9007.6	9194.4	10059.7	11146.8
65°	21874.6	21185.4	20580.4	20264.0	20580.4	21185.4	21874.6	22863.3	24043.8	24821.3	25905.4
62.5°	53618.0	50980.0	48755.5	47725.9	48755.5	50980.0	53618.0	56187.4	58159.0	57959.8	54995.5
60°	117573.1	114081.9	110502.4	108712.9	110502.4	114081.9	117573.1	118728.3	116544.5	110855.0	101690.7
57.5°	175535.8	175028.9	174004.1	173372.4	174004.1	175028.9	175535.8	172693.9	162914.8	150086.4	133467.9
55°	185036.4	187906.3	189315.0	189645.3	189315.0	187906.3	185036.4	179765.6	171303.7	158013.8	141889.9
52.5°	171362.0	174805.3	176601.1	177106.7	176601.1	174805.3	171362.0	165496.3	156964.4	146470.1	133853.1
50°	144615.5	147434.8	149293.7	149794.9	149293.7	147434.8	144615.5	140019.2	134002.0	127085.6	120402.0
47.5°	116838.1	117241.0	117248.2	117146.8	117248.2	117241.0	116838.1	116380.8	115187.8	113243.6	111204.8
45°	101580.7	101028.4	100398.2	100219.0	100398.2	101028.4	101580.7	101821.7	102619.2	103343.5	103413.5
42.5°	95596.0	94829.4	94379.9	94313.1	94379.9	94829.4	95596.0	96747.0	98266.8	99181.9	99617.6
40°	90285.7	89548.3	89092.0	89003.7	89092.0	89548.3	90285.7	91361.9	92659.6	94242.4	96131.4
37.5°	85112.2	84360.3	83903.6	83815.2	83903.6	84360.3	85112.2	86215.6	87506.0	88955.3	91021.7
35°	80357.6	79498.4	78967.8	78851.3	78967.8	79498.4	80357.6	81512.8	82799.5	84262.0	86321.8
32.5°	75465.1	74471.8	73861.9	73707.1	73861.9	74471.8	75465.1	76762.3	78222.4	79855.6	81817.4
30°	70744.5	69782.2	69162.6	68980.6	69162.6	69782.2	70744.5	71994.1	73497.0	75292.8	77313.4
27.5°	66459.9	65636.4	65048.6	64834.4	65048.6	65636.4	66459.9	67544.5	68843.6	70575.9	72595.2
25°	62200.1	61443.4	60887.5	60705.8	60887.5	61443.4	62200.1	63192.8	64392.8	65864.4	67639.5
22.5°	58018.1	57347.0	56897.5	56759.3	56897.5	57347.0	58018.1	58848.0	59854.8	61170.5	62734.8
20°	53783.5	53184.3	52833.6	52752.4	52833.6	53184.3	53783.5	54574.3	55449.5	56540.5	57881.8
17.5°	49441.9	48813.3	48460.1	48389.6	48460.1	48813.3	49441.9	50300.4	51102.3	52026.3	53155.0
15°	44969.2	44371.9	43997.1	43939.2	43997.1	44371.9	44969.2	45718.1	46528.3	47319.2	48245.3
12.5°	40233.6	39676.9	39323.5	39249.3	39323.5	39676.9	40233.6	40884.0	41481.3	42156.3	42905.5
10°	35077.9	34616.2	34336.5	34267.2	34336.5	34616.2	35077.9	35563.7	36015.4	36459.8	37048.0
7.5°	29536.2	29190.7	28902.4	28821.7	28902.4	29190.7	29536.2	29873.7	30157.5	30451.7	30868.0
5°	23879.4	23659.1	23499.6	23441.1	23499.6	23659.1	23879.4	24062.2	24194.1	24347.4	24567.1
2.5°	18308.0	18238.3	18168.7	18128.1	18168.7	18238.3	18308.0	18394.3	18418.4	18458.9	18536.5
0°	12915.1	12927.4	12953.3	12969.7	12953.3	12927.4	12915.1	12911.4	12905.6	12922.4	12957.1
-2.5°	8119.1	8190.0	8246.3	8316.9	8246.3	8190.0	8119.1	8064.6	8023.6	8027.9	8090.0
-5°	4655.4	4752.5	4794.8	4865.5	4794.8	4752.5	4655.4	4520.4	4545.9	4532.8	4616.6
-7.5°	2874.5	2934.6	2887.5	2960.9	2887.5	2934.6	2874.5	2862.5	2750.6	2854.5	2907.4
-10°	2302.1	2327.2	2334.2	2317.2	2334.2	2327.2	2302.1	2315.8	2299.0	2339.9	2347.6
-12.5°	2084.6	2101.9	2102.6	2089.8	2102.6	2101.9	2084.6	2077.4	2058.8	2060.2	2139.4
-15°	1991.9	1990.0	1994.5	1994.2	1994.5	1990.0	1991.9	1978.8	1975.7	1968.7	1971.4
-17.5°	1945.6	1932.1	1934.0	1942.2	1934.0	1932.1	1945.6	1934.4	1924.6	1905.5	1914.4
-20°	1927.0	1918.6	1919.7	1920.4	1919.7	1918.6	1927.0	1923.9	1910.3	1882.5	1861.7



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1919.3	1918.5	1903.9	1901.8	1903.9	1918.5	1919.3	1921.1	1909.6	1891.6	1863.2
-25°	1921.1	1898.5	1877.3	1874.1	1877.3	1898.5	1921.1	1935.2	1921.9	1909.7	1890.4
-27.5°	1902.2	1870.2	1840.5	1834.6	1840.5	1870.2	1902.2	1942.1	1953.1	1951.8	1936.6
-30°	1890.5	1841.9	1821.5	1810.4	1821.5	1841.9	1890.5	1945.4	1981.8	1971.5	1980.1
-32.5°	1831.9	1778.8	1756.3	1742.0	1756.3	1778.8	1831.9	1918.1	1967.5	1974.3	1974.4
-35°	1778.1	1740.7	1717.9	1716.9	1717.9	1740.7	1778.1	1862.0	1921.3	1964.3	1970.6
-37.5°	1761.0	1739.6	1705.2	1698.5	1705.2	1739.6	1761.0	1842.2	1897.4	1915.3	1954.3
-40°	1774.8	1767.2	1769.7	1771.2	1769.7	1767.2	1774.8	1824.5	1866.8	1897.1	1916.3
-42.5°	1871.1	1857.1	1851.0	1832.8	1851.0	1857.1	1871.1	1873.1	1885.5	1922.5	1954.4
-45°	2017.5	2006.4	2004.1	2014.2	2004.1	2006.4	2017.5	2018.8	2049.0	2081.2	2116.3
-47.5°	2236.3	2248.0	2244.5	2215.6	2244.5	2248.0	2236.3	2253.0	2275.3	2316.2	2337.8
-50°	2451.6	2461.9	2462.3	2444.3	2462.3	2461.9	2451.6	2460.4	2465.3	2477.6	2514.4
-52.5°	2400.4	2418.5	2428.7	2435.0	2428.7	2418.5	2400.4	2428.1	2441.5	2474.0	2496.6
-55°	2175.9	2164.1	2168.8	2172.8	2168.8	2164.1	2175.9	2175.6	2182.7	2219.2	2257.2
-57.5°	1930.4	1932.6	1940.8	1941.6	1940.8	1932.6	1930.4	1916.4	1914.7	1899.1	1872.9
-60°	1587.4	1595.7	1588.0	1586.3	1588.0	1595.7	1587.4	1573.1	1561.7	1547.1	1554.4
-62.5°	1243.3	1216.4	1190.2	1189.2	1190.2	1216.4	1243.3	1266.9	1274.6	1259.7	1220.4
-65°	958.7	957.1	947.7	945.6	947.7	957.1	958.7	959.3	962.7	962.8	950.6
-67.5°	774.0	775.9	768.1	765.0	768.1	775.9	774.0	767.2	767.7	768.0	760.6
-70°	656.3	658.5	655.1	655.3	655.1	658.5	656.3	654.6	648.0	642.3	636.2
-72.5°	584.6	586.8	588.6	589.2	588.6	586.8	584.6	579.3	563.4	553.4	543.1
-75°	510.2	515.1	516.5	517.0	516.5	515.1	510.2	505.2	496.6	483.5	463.5
-77.5°	446.0	453.1	454.8	455.1	454.8	453.1	446.0	434.9	428.6	416.3	399.2
-80°	394.1	405.1	410.4	410.8	410.4	405.1	394.1	379.2	374.4	365.7	349.8
-82.5°	321.3	322.3	322.9	323.1	322.9	322.3	321.3	319.1	310.8	296.6	290.9
-85°	262.3	262.7	263.0	263.1	263.0	262.7	262.3	260.0	251.0	241.8	236.9
-87.5°	176.1	176.6	176.9	177.1	176.9	176.6	176.1	175.1	163.6	159.9	145.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.3	14.6	13.8	12.8	11.9	10.9	9.9	9.0	8.9	21.8	20.9
85°	57.7	56.4	54.9	49.9	45.8	42.6	43.4	40.5	29.9	29.8	29.2
82.5°	127.4	120.4	116.8	100.2	76.9	61.2	60.6	50.3	40.3	33.9	34.7
80°	354.9	325.2	290.7	239.3	178.3	135.8	106.0	73.2	45.2	47.0	53.7
77.5°	756.9	671.0	582.5	497.2	413.6	322.0	234.4	151.7	102.9	95.5	96.8
75°	1574.4	1338.7	1177.5	1085.9	1035.5	910.3	659.5	412.3	283.2	229.6	196.5
72.5°	3345.6	3170.5	2875.8	2445.7	2119.4	1947.8	1629.9	1096.2	706.2	518.7	401.8
70°	5927.7	6062.3	5481.1	4528.6	3630.7	3031.9	2508.8	2029.7	1496.9	1036.1	748.6
67.5°	12098.2	12224.6	10994.9	9042.5	7553.1	5909.0	4242.7	3303.4	2499.5	1738.9	1277.2
65°	26266.4	25104.5	22292.1	18735.4	15593.7	11990.9	8627.5	5986.1	3802.5	2436.5	1708.4
62.5°	51832.0	46827.5	39967.0	32287.5	25371.7	19217.1	14097.3	9777.2	5853.5	3062.2	2036.9
60°	89331.5	75549.5	62732.9	51226.8	40106.6	28714.2	19043.0	13591.3	8854.9	4806.2	2636.8
57.5°	114465.1	96671.4	81424.7	69155.0	57759.6	43612.6	26607.4	17744.4	12386.4	7525.2	3735.8
55°	123620.6	106919.1	92157.0	81488.0	72489.1	60489.8	42177.9	25351.1	16022.2	10669.9	5724.3
52.5°	120803.0	108306.4	97441.5	89429.2	82684.3	74061.5	58766.7	36707.5	20640.7	13789.7	8399.4
50°	114023.3	106998.2	100866.9	95142.2	90262.5	84433.2	73091.4	50495.6	28664.9	16889.0	10924.5
47.5°	108619.8	105880.8	102854.7	99560.0	96277.3	91356.3	82072.4	63836.2	39553.9	20877.8	13353.9
45°	103288.1	103362.9	102755.3	101375.0	99321.6	95608.1	87988.7	73497.3	49785.9	27634.2	15026.3
42.5°	101079.8	102395.5	103183.8	103095.6	102038.2	99242.5	92738.9	80270.1	59809.6	35849.9	18741.9
40°	98815.0	101657.0	105511.0	106013.6	106139.1	103937.5	98356.6	87382.7	69063.1	44446.7	23802.2
37.5°	94062.3	99086.5	104989.5	106789.5	107892.4	107830.6	102923.7	93241.3	77058.7	54528.2	29579.1
35°	89214.5	94591.6	99166.3	102233.6	104298.4	105280.5	103381.8	95773.8	81970.3	61272.1	37332.6
32.5°	84677.7	88796.2	92470.4	95390.0	97847.4	99541.5	98658.1	93932.5	83022.4	64972.2	42541.9
30°	79786.5	82796.8	86121.5	89144.5	91531.9	93255.3	92845.5	89041.4	80319.9	65842.6	46154.7
27.5°	74874.1	77470.4	80661.4	83807.6	85989.6	87444.6	87424.2	84583.2	77459.3	65016.1	47306.0
25°	69742.0	72039.7	74978.0	77963.5	79972.7	81331.7	81624.0	79788.1	74538.8	64070.1	48623.5
22.5°	64478.1	66620.4	69122.0	71726.6	73647.3	74742.7	75075.6	73742.0	69637.3	61087.5	47803.4
20°	59494.2	61150.5	63192.8	65461.7	67112.1	67946.1	68337.7	67458.6	64435.2	57655.6	46071.8
17.5°	54529.5	55858.6	57356.1	59259.7	60602.0	61055.7	61213.0	60489.8	57918.6	52408.0	42972.1
15°	49322.6	50422.9	51559.6	52921.3	53896.2	54139.0	54146.4	53526.6	51341.5	46763.3	38890.6
12.5°	43718.0	44554.4	45433.3	46416.6	47121.4	47100.4	46923.4	46294.9	44535.4	40927.0	34364.8
10°	37686.7	38254.3	38891.8	39586.6	40025.5	39922.7	39706.1	39117.4	37558.0	34401.2	29220.8
7.5°	31322.5	31628.4	32001.9	32530.2	32830.0	32739.0	32431.4	31887.2	30574.5	27903.9	23711.5
5°	24827.1	24999.8	25187.5	25452.6	25728.0	25635.3	25394.8	24905.9	23797.1	21578.9	18245.6
2.5°	18632.7	18672.8	18735.2	18961.5	19082.1	19069.7	18940.3	18531.9	17632.2	15777.0	13236.7
0°	12969.7	12905.2	12899.9	13075.9	13203.3	13253.9	13250.4	13042.7	12323.5	10870.8	9093.9
-2.5°	8171.3	8183.0	8207.1	8373.0	8609.9	8863.5	9048.5	9021.3	8555.1	7500.8	6288.5
-5°	4755.9	4867.2	4935.6	5072.3	5350.8	5647.5	5976.2	6120.8	5864.7	5228.1	4473.4
-7.5°	3006.3	3167.2	3291.0	3367.5	3485.2	3783.7	4065.5	4176.5	4101.6	3761.9	3360.3
-10°	2409.3	2520.0	2619.9	2661.3	2713.3	2891.7	3086.8	3129.3	3052.8	2877.7	2674.3
-12.5°	2180.8	2255.5	2389.1	2474.2	2510.7	2625.2	2635.8	2628.8	2510.1	2386.3	2267.7
-15°	2014.4	2080.7	2211.4	2415.3	2548.3	2555.4	2471.5	2396.4	2236.1	2116.8	2029.0
-17.5°	1900.4	1943.0	2087.8	2371.8	2551.7	2472.2	2377.8	2248.7	2070.5	1958.8	1871.5
-20°	1864.9	1844.4	1978.3	2270.3	2438.6	2345.5	2228.0	2130.0	1974.4	1844.8	1774.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1847.8	1818.8	1877.9	2089.6	2253.7	2185.5	2059.8	1987.7	1899.4	1800.6	1712.7
-25°	1859.8	1811.9	1834.2	1962.6	2104.2	2031.3	1939.3	1898.4	1843.6	1761.3	1660.0
-27.5°	1903.1	1835.8	1839.0	1950.1	2049.8	1956.9	1889.0	1866.0	1815.6	1717.9	1643.8
-30°	1941.9	1853.9	1843.3	1939.7	1998.8	1891.9	1841.1	1844.8	1809.5	1704.5	1621.2
-32.5°	1936.0	1837.6	1830.9	1912.0	1947.2	1842.1	1796.9	1800.7	1789.9	1674.6	1560.9
-35°	1904.7	1840.6	1832.2	1922.3	1935.6	1830.7	1758.8	1780.1	1745.9	1641.7	1518.7
-37.5°	1948.3	1894.1	1933.7	2034.7	2013.7	1898.0	1805.6	1756.4	1698.5	1605.2	1454.6
-40°	1950.9	1986.5	2065.4	2185.7	2171.3	1966.6	1791.3	1698.3	1625.1	1489.4	1349.8
-42.5°	2005.1	2082.7	2142.2	2247.8	2244.1	2009.6	1792.8	1651.7	1512.3	1383.4	1270.1
-45°	2170.6	2207.8	2276.2	2293.2	2245.8	2040.1	1779.1	1584.9	1441.8	1286.3	1188.5
-47.5°	2375.8	2408.0	2403.7	2374.7	2261.4	2030.0	1753.9	1527.9	1359.8	1212.8	1046.0
-50°	2532.6	2544.9	2514.3	2438.5	2277.2	1993.6	1714.4	1456.7	1250.1	1070.8	932.2
-52.5°	2511.6	2539.1	2471.9	2353.0	2141.4	1810.4	1568.8	1302.4	1091.0	956.7	848.7
-55°	2291.5	2283.7	2174.9	2003.7	1766.0	1535.8	1305.2	1113.1	962.3	857.7	772.2
-57.5°	1849.4	1827.2	1784.9	1686.4	1516.7	1281.0	1086.0	969.1	865.5	767.4	682.7
-60°	1560.2	1533.9	1476.8	1358.0	1188.0	1059.4	965.1	855.5	767.1	680.0	610.4
-62.5°	1205.7	1196.6	1141.6	1043.4	931.0	868.8	811.5	741.9	674.8	598.2	541.0
-65°	932.1	917.7	875.7	801.7	724.2	686.0	653.9	629.6	588.7	534.0	474.7
-67.5°	748.3	724.6	683.4	632.4	591.9	572.9	553.6	535.0	513.8	469.2	404.9
-70°	626.7	605.7	578.2	548.4	517.0	494.7	480.5	470.5	437.1	387.6	330.4
-72.5°	531.7	510.7	488.5	472.7	448.7	423.7	413.6	391.4	352.5	316.2	282.7
-75°	452.1	434.4	413.6	398.7	379.6	358.7	351.0	331.1	293.3	264.4	247.8
-77.5°	379.9	367.8	351.9	336.2	318.1	301.7	295.3	284.6	249.7	221.2	210.9
-80°	330.8	318.9	300.8	288.2	274.4	260.3	254.3	241.9	205.4	177.6	172.5
-82.5°	272.9	260.7	250.2	236.9	227.8	205.8	203.3	188.6	161.8	131.9	126.9
-85°	221.6	203.3	195.8	182.7	179.1	157.3	155.2	143.0	115.0	79.9	78.7
-87.5°	138.8	129.4	123.8	120.9	114.4	111.5	110.2	104.6	86.8	55.3	48.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.0	19.0	18.0	17.0	15.9	14.8	13.7	12.5	11.3	10.1	8.9
85°	27.8	27.3	26.8	26.3	25.7	24.8	24.4	23.9	22.6	20.2	17.8
82.5°	31.3	30.5	30.6	30.1	29.6	27.5	26.9	26.3	26.1	25.4	24.4
80°	44.9	35.8	33.6	32.2	31.1	30.2	29.8	29.2	28.8	27.9	26.7
77.5°	85.4	51.9	53.0	52.5	42.4	35.9	33.1	34.2	35.5	31.8	28.8
75°	177.1	147.4	116.2	98.4	62.3	56.8	54.5	45.8	43.2	39.1	33.7
72.5°	337.3	281.8	222.5	181.2	134.4	99.2	81.8	73.1	62.3	46.5	39.8
70°	604.7	469.4	369.3	305.2	220.6	158.8	134.1	106.2	87.8	64.6	45.3
67.5°	910.6	682.2	536.9	424.4	329.4	243.1	186.4	151.7	119.4	81.6	55.1
65°	1184.7	838.9	685.2	528.7	416.2	320.0	236.8	196.4	156.0	101.5	65.2
62.5°	1424.9	1031.2	820.6	645.7	503.1	385.2	285.1	240.6	191.3	129.2	74.8
60°	1648.3	1214.1	944.1	752.5	603.0	456.5	337.4	281.6	226.3	156.2	96.7
57.5°	2170.3	1393.9	1059.7	840.6	679.1	543.1	396.4	324.5	261.9	190.0	118.1
55°	3014.2	1758.3	1209.7	920.5	733.7	610.6	477.8	376.2	308.3	225.7	141.2
52.5°	4116.8	2246.9	1424.6	1016.6	788.7	669.1	550.9	453.9	355.7	261.7	174.1
50°	5907.9	2915.7	1804.6	1155.1	854.2	735.6	622.1	524.6	408.0	303.8	205.5
47.5°	7960.1	4002.1	2283.5	1430.6	926.9	810.4	689.0	586.6	473.2	345.7	233.8
45°	9574.4	5461.7	2842.5	1725.5	1057.0	869.3	748.7	641.4	539.2	384.9	263.8
42.5°	11070.8	6726.6	3505.3	2042.0	1268.0	906.5	799.4	690.0	593.9	436.0	295.9
40°	13032.3	8005.7	4283.8	2440.5	1503.0	1010.3	846.4	734.8	636.0	481.3	324.1
37.5°	15523.7	9335.0	5282.6	3081.8	1988.7	1156.9	908.1	778.5	665.0	520.6	348.4
35°	18558.7	10494.2	6048.2	3448.0	2444.0	1321.4	966.6	821.0	689.9	542.0	371.6
32.5°	22261.7	11632.6	6530.2	3679.8	2483.1	1575.6	1016.5	837.1	706.8	553.7	391.2
30°	24785.7	12078.5	6793.8	3659.5	2437.6	1682.8	1033.0	844.0	707.5	560.7	407.3
27.5°	27752.5	13767.8	7263.3	3924.6	2503.1	1689.1	1058.5	845.3	704.9	567.5	421.1
25°	30133.8	14522.9	7646.4	4188.2	2545.8	1740.8	1113.2	853.9	703.1	573.6	432.4
22.5°	31158.5	15613.4	7929.8	4250.4	2526.8	1754.1	1148.7	856.1	706.8	574.9	442.8
20°	31245.3	16609.8	8109.2	4448.9	2559.1	1757.1	1150.2	854.3	706.6	575.9	448.9
17.5°	30398.7	16418.5	7931.5	4420.6	2571.4	1726.2	1161.1	849.5	706.0	577.0	452.6
15°	28141.3	15840.3	7516.7	4232.0	2492.7	1697.5	1174.9	852.6	707.9	576.0	454.3
12.5°	25271.1	14911.7	7343.2	3950.3	2347.7	1647.9	1160.0	857.3	707.6	572.5	454.1
10°	21888.8	13270.9	6683.2	3687.2	2215.2	1611.6	1127.4	847.7	702.3	566.4	451.5
7.5°	18138.5	11364.9	6091.0	3421.5	2107.0	1563.0	1092.4	833.7	693.8	558.3	446.8
5°	14153.0	9295.7	5307.5	3098.5	1998.3	1499.5	1040.9	816.8	683.3	553.5	440.9
2.5°	10411.2	7158.1	4441.6	2752.7	1891.6	1463.4	1018.6	801.8	671.5	548.9	433.6
0°	7279.4	5335.1	3616.3	2426.0	1794.7	1428.9	992.6	784.2	657.3	542.5	424.8
-2.5°	5218.0	4096.5	3027.3	2199.3	1721.8	1393.3	989.6	791.5	665.5	544.8	424.2
-5°	3873.1	3230.3	2566.9	2004.4	1642.0	1346.5	981.5	796.3	671.6	545.1	422.1
-7.5°	3032.7	2655.6	2233.3	1846.6	1558.1	1288.2	968.7	797.5	673.5	542.8	418.1
-10°	2498.9	2273.6	2007.9	1739.1	1464.7	1224.7	953.9	794.8	671.8	537.2	414.3
-12.5°	2159.1	2011.6	1850.9	1634.4	1382.3	1160.4	929.4	782.3	666.0	529.9	409.5
-15°	1948.4	1867.0	1724.2	1533.2	1330.1	1098.8	899.4	765.2	644.9	519.5	403.3
-17.5°	1799.2	1738.3	1606.7	1434.6	1269.0	1032.4	861.4	741.1	623.1	506.0	394.3
-20°	1688.8	1639.3	1516.4	1360.1	1220.8	975.7	825.8	708.9	598.7	491.3	382.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1619.0	1568.0	1441.8	1310.6	1153.1	934.8	791.4	676.7	570.7	471.8	370.2
-25°	1588.0	1509.1	1374.2	1246.5	1072.2	888.9	754.3	646.0	540.3	448.1	353.5
-27.5°	1553.0	1436.2	1317.9	1180.6	1005.9	834.6	716.5	612.8	516.1	424.0	330.8
-30°	1484.9	1385.9	1268.8	1112.5	939.9	786.6	681.1	584.2	493.4	401.6	308.2
-32.5°	1422.7	1316.0	1191.7	1029.2	873.1	745.3	647.4	554.7	469.6	381.5	285.7
-35°	1367.8	1253.8	1109.6	941.6	808.9	703.6	612.8	521.9	444.7	360.2	263.9
-37.5°	1294.7	1179.5	1018.8	873.8	759.5	662.8	577.3	494.1	419.6	336.2	245.5
-40°	1220.3	1095.0	929.3	813.6	715.4	621.5	542.7	467.7	393.1	308.8	230.4
-42.5°	1163.9	981.3	864.6	765.8	673.4	584.8	509.9	440.2	366.4	279.5	213.2
-45°	1031.6	899.1	801.6	712.5	629.6	546.8	476.9	409.7	334.6	248.3	194.0
-47.5°	928.6	832.0	745.7	660.8	582.5	506.0	442.5	378.1	292.7	226.9	177.0
-50°	844.2	773.4	684.9	607.8	535.0	469.4	407.0	341.9	246.4	203.5	161.6
-52.5°	769.6	698.2	618.6	558.3	491.0	431.3	369.5	295.6	219.8	181.0	146.4
-55°	688.1	625.5	560.7	505.3	441.4	389.4	322.6	247.3	197.9	163.6	131.6
-57.5°	609.4	560.1	502.9	448.8	395.0	341.2	270.8	218.0	174.3	146.8	120.4
-60°	543.3	493.6	446.8	398.5	344.6	287.8	234.2	190.5	158.2	130.8	108.5
-62.5°	482.6	435.2	401.3	342.7	287.0	245.5	205.8	172.9	142.9	118.0	96.2
-65°	423.6	374.6	338.7	279.5	246.0	208.1	182.0	156.7	130.7	105.8	87.1
-67.5°	354.8	304.2	278.8	244.9	214.3	183.8	160.1	139.5	118.0	95.6	78.2
-70°	293.8	261.7	239.8	213.9	186.1	161.2	142.6	122.0	105.3	85.9	69.2
-72.5°	255.0	230.5	209.1	184.9	162.1	145.0	127.2	108.0	93.6	75.0	58.4
-75°	227.0	202.4	181.5	160.9	139.9	125.5	110.5	95.5	79.7	60.5	47.2
-77.5°	189.3	170.4	153.7	137.6	120.0	103.4	91.0	74.9	60.6	45.4	38.1
-80°	154.1	134.9	125.4	111.8	96.1	80.6	67.9	50.9	43.3	36.9	33.5
-82.5°	110.4	94.7	86.8	78.5	66.5	58.7	49.8	40.3	35.0	31.1	28.9
-85°	67.4	61.2	57.5	49.7	44.2	40.3	36.4	33.4	26.1	23.3	20.5
-87.5°	38.4	33.7	31.8	23.5	22.0	20.5	18.9	17.3	13.1	11.7	10.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.7	6.4	5.1	3.9	2.6	1.3	0.0
85°	15.3	12.8	10.3	7.7	5.2	2.6	0.0
82.5°	22.9	19.2	15.4	11.6	7.7	3.9	0.0
80°	25.3	24.0	20.5	15.4	10.3	5.1	0.0
77.5°	27.0	25.2	24.1	19.2	12.8	6.4	0.0
75°	28.6	26.4	25.1	22.9	15.3	7.7	0.0
72.5°	31.6	27.5	26.2	24.7	17.8	8.9	0.0
70°	34.7	29.1	27.3	25.9	20.2	10.1	0.0
67.5°	37.6	31.2	28.6	27.0	22.6	11.3	0.0
65°	43.1	33.4	30.9	28.2	24.1	12.5	0.0
62.5°	52.0	35.5	34.6	29.3	24.8	13.7	0.0
60°	60.8	40.5	38.9	30.4	25.5	14.8	0.0
57.5°	69.4	48.8	43.6	31.7	26.2	15.9	0.0
55°	90.2	57.0	49.0	35.2	26.8	17.0	0.0
52.5°	108.5	65.3	55.3	38.6	27.4	18.0	0.0
50°	123.4	75.1	62.9	41.8	28.0	19.0	0.0
47.5°	136.2	86.6	69.5	44.9	28.5	20.0	0.0
45°	158.1	97.7	74.2	47.8	29.0	20.9	0.0
42.5°	180.6	108.3	78.7	50.6	29.5	21.8	0.0
40°	203.9	118.5	82.9	53.0	29.9	22.7	0.0
37.5°	224.0	128.3	87.0	55.1	30.3	23.5	0.0
35°	239.7	140.2	91.7	57.3	31.3	23.9	0.0
32.5°	252.5	151.8	96.6	59.4	32.5	24.0	0.0
30°	262.7	161.7	101.2	61.2	33.6	24.2	0.0
27.5°	273.7	170.0	104.4	62.7	34.8	24.4	0.0
25°	284.3	176.7	107.1	64.0	35.8	24.6	0.0
22.5°	293.6	181.8	109.5	65.0	36.7	24.7	0.0
20°	302.6	185.3	111.4	65.8	37.6	24.8	0.0
17.5°	309.2	187.6	113.0	67.0	38.4	24.9	0.0
15°	313.0	189.7	114.1	68.2	39.0	25.0	0.0
12.5°	315.4	191.5	114.2	69.2	39.6	25.1	0.0
10°	316.2	192.5	113.5	70.1	40.0	25.2	0.0
7.5°	316.5	193.0	112.2	70.8	40.4	25.2	0.0
5°	315.1	192.4	110.3	71.2	40.6	25.3	0.0
2.5°	311.6	190.8	108.0	71.5	40.8	25.3	0.0
0°	306.4	188.1	105.4	71.6	40.9	25.3	0.0
-2.5°	308.7	193.5	110.3	73.5	41.4	25.3	0.0
-5°	309.8	197.8	114.8	75.2	41.7	25.3	0.0
-7.5°	310.3	201.0	119.0	76.6	42.0	25.3	0.0
-10°	309.1	203.0	122.7	77.8	42.1	25.2	0.0
-12.5°	303.0	201.9	125.8	78.8	42.1	25.2	0.0
-15°	294.8	197.7	127.5	79.4	41.9	25.1	0.0
-17.5°	284.5	194.2	126.3	79.8	41.6	25.0	0.0
-20°	271.3	190.9	124.5	79.4	41.0	24.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	257.9	187.0	121.9	77.4	40.3	24.8	0.0
-25°	245.8	180.9	118.6	75.2	39.4	24.6	0.0
-27.5°	234.0	173.6	114.5	72.9	38.2	24.5	0.0
-30°	223.2	165.8	109.5	70.4	36.9	24.3	0.0
-32.5°	214.0	157.5	103.3	67.7	35.1	24.1	0.0
-35°	204.2	148.8	96.8	64.9	33.3	23.9	0.0
-37.5°	193.7	139.9	90.9	62.0	31.7	23.5	0.0
-40°	182.3	131.0	87.0	58.8	31.1	22.7	0.0
-42.5°	169.0	121.6	83.1	55.6	30.5	21.8	0.0
-45°	154.0	111.8	79.2	52.2	29.9	20.9	0.0
-47.5°	138.6	101.6	75.3	48.7	29.3	20.0	0.0
-50°	125.3	91.0	71.4	44.9	28.6	19.0	0.0
-52.5°	113.0	86.0	67.4	40.8	27.9	18.0	0.0
-55°	101.6	80.8	61.8	36.6	27.2	17.0	0.0
-57.5°	91.4	75.5	55.8	32.2	26.5	15.9	0.0
-60°	85.3	70.0	49.7	30.8	25.7	14.8	0.0
-62.5°	78.5	63.3	43.4	29.6	24.9	13.7	0.0
-65°	71.3	55.7	37.1	28.4	24.1	12.5	0.0
-67.5°	63.1	48.1	32.8	27.2	22.6	11.3	0.0
-70°	54.5	40.4	30.9	26.0	20.2	10.1	0.0
-72.5°	45.8	35.4	28.9	24.7	17.8	8.9	0.0
-75°	38.4	32.9	26.7	22.9	15.3	7.7	0.0
-77.5°	34.7	30.4	24.5	19.2	12.8	6.4	0.0
-80°	30.8	27.8	20.5	15.4	10.3	5.1	0.0
-82.5°	26.4	22.0	15.4	11.6	7.7	3.9	0.0
-85°	17.6	14.7	10.3	7.7	5.2	2.6	0.0
-87.5°	8.8	7.4	5.1	3.9	2.6	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)