

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P721962

Luminaire Tested: **IFLD-S-SA2D-722-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721962
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-722-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

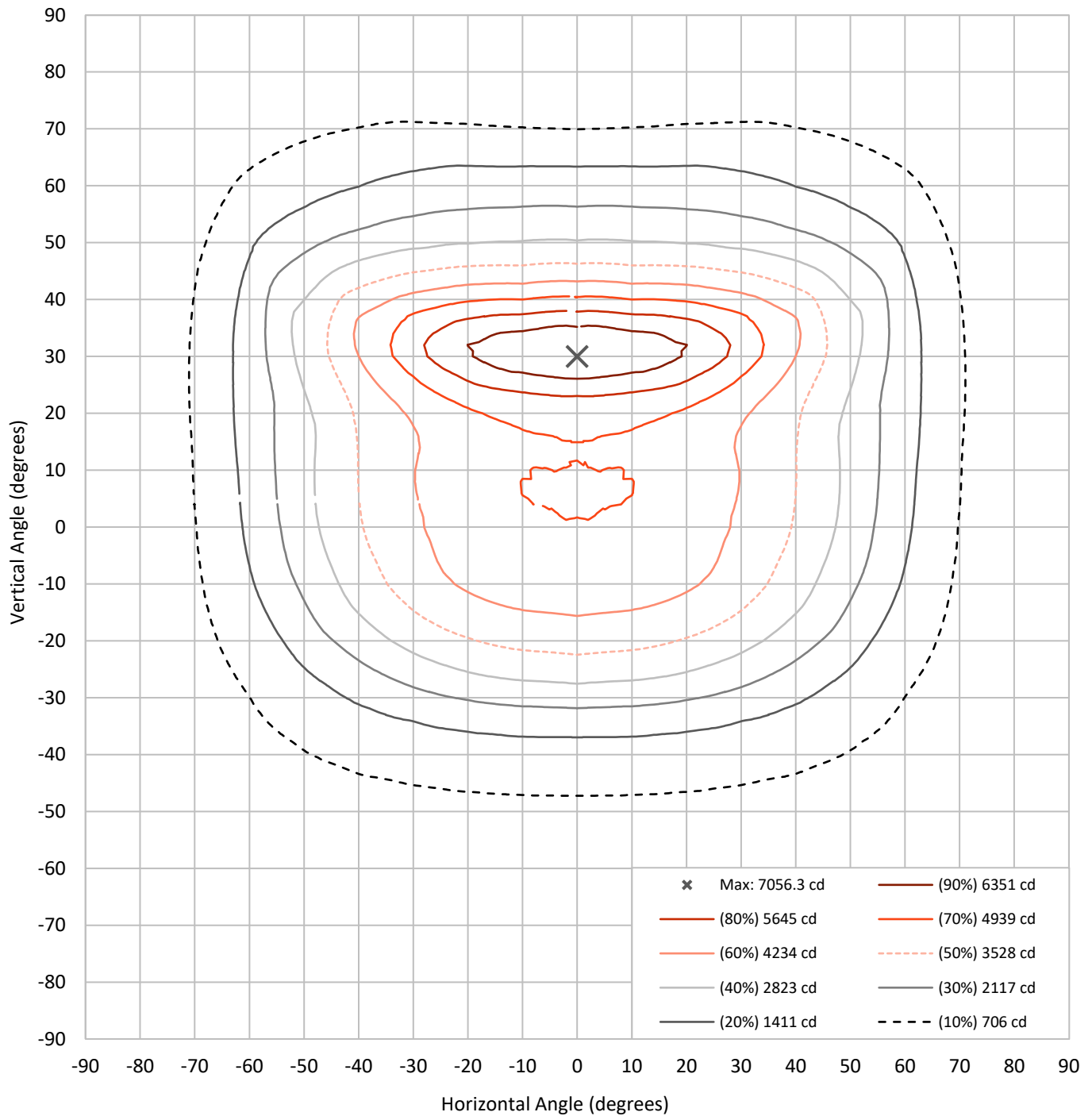
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	11778.7 lumens	Max Intensity:	7056.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	95.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6849.4 lumens	Field Lumens:	11038.2 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 123.9
Input Voltage (V): 120
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: 28.75 FT



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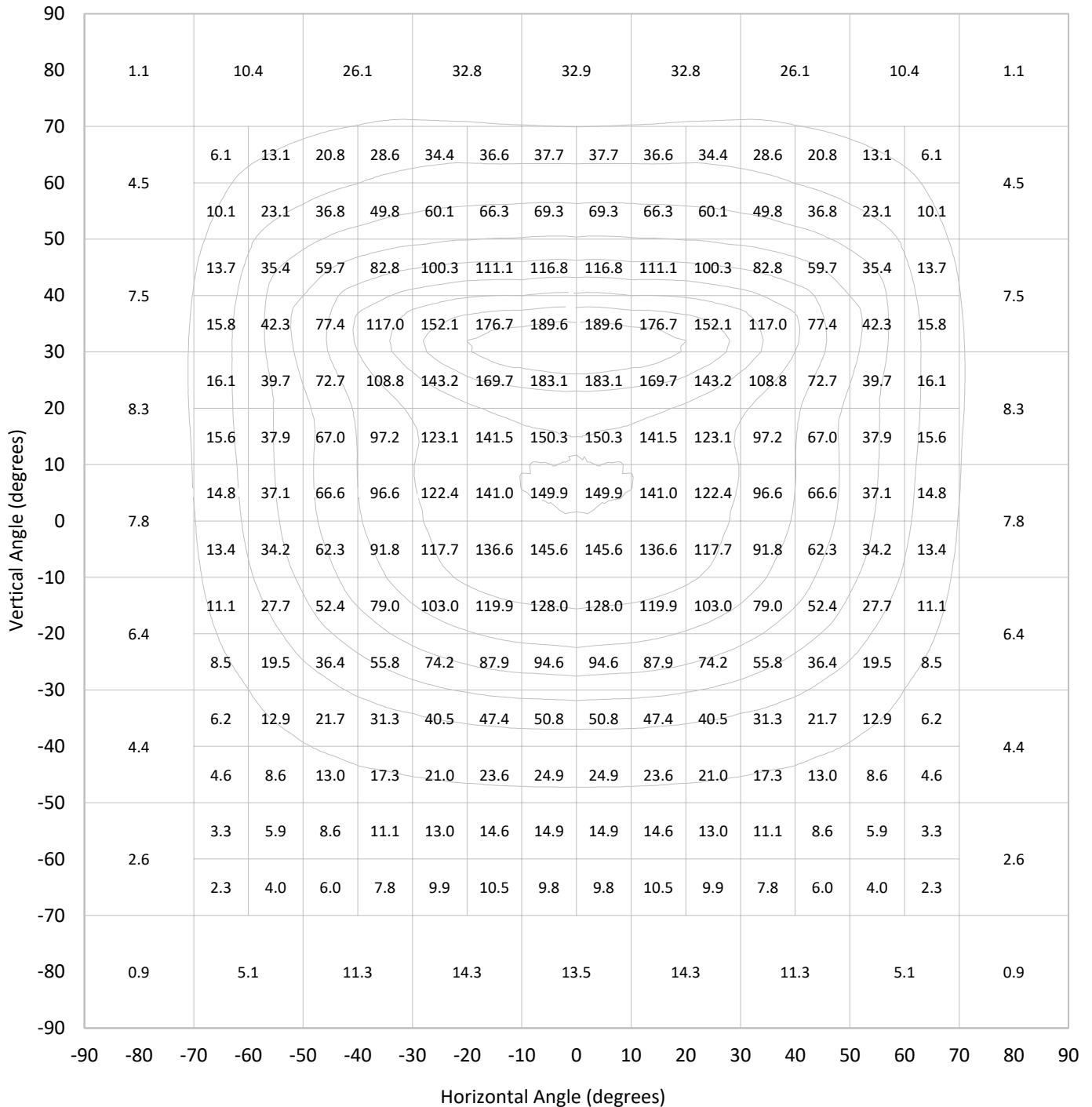
Iso-Candela Plot





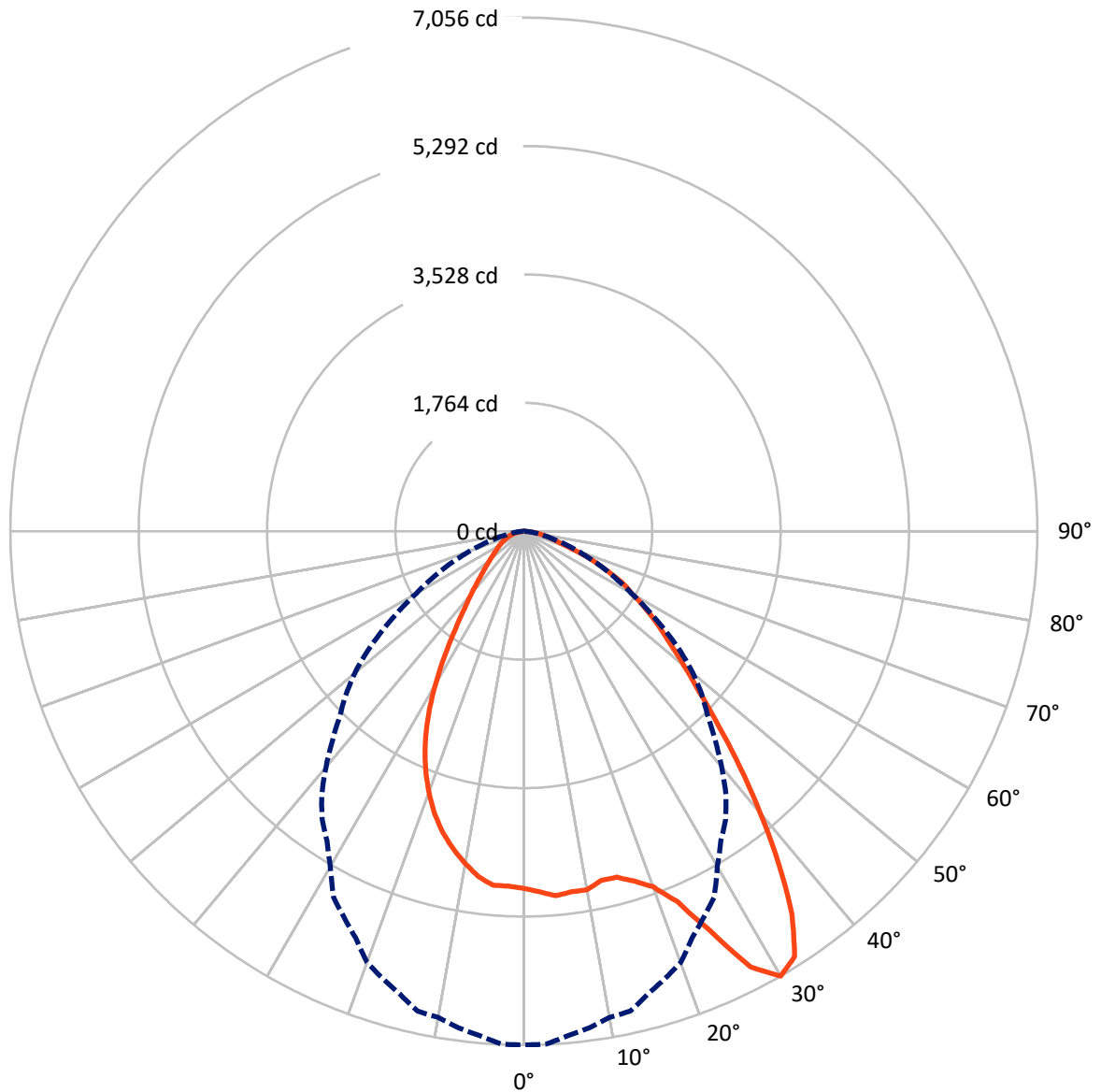
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Lumen Table



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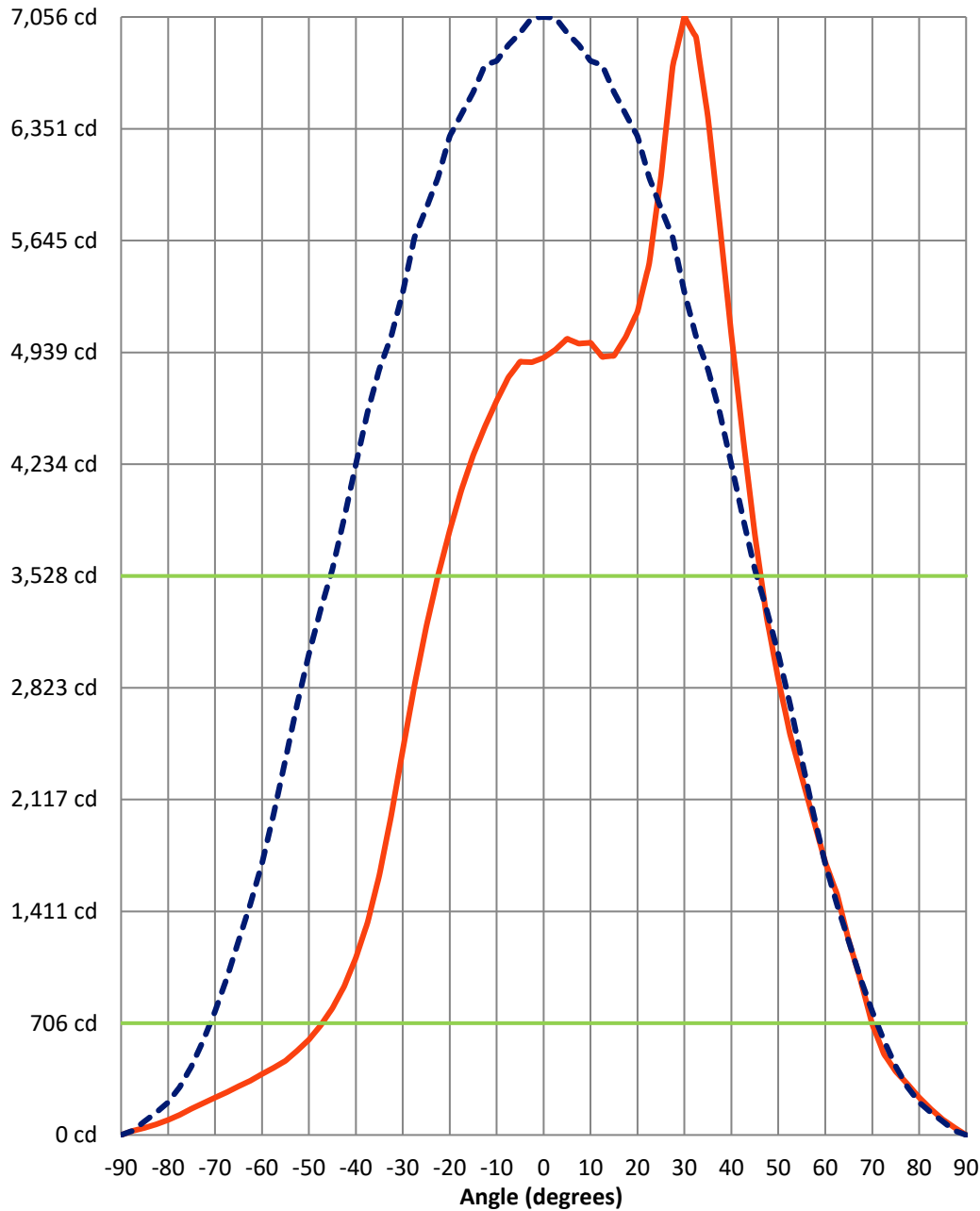
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 6849.4
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 11038.2
 Efficiency: 93.7%

Spill:
 Lumens: 740.5
 Efficiency: 6.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 30-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
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°	47.4	48.7	49.9	49.9	48.7	48.7	48.7	47.4	48.7	48.7	48.7
85°	98.6	101.1	103.6	102.3	101.1	98.6	96.1	97.3	98.6	99.8	99.8
82.5°	163.5	167.2	169.7	168.5	166.0	163.5	161.0	162.2	164.7	166.0	166.0
80°	237.1	238.3	239.6	242.1	238.3	238.3	237.1	242.1	244.6	247.1	249.6
77.5°	321.9	323.2	323.2	324.4	325.7	326.9	326.9	335.7	341.9	345.6	349.4
75°	401.8	405.5	409.3	413.0	418.0	420.5	424.3	436.7	446.7	454.2	461.7
72.5°	511.6	516.6	522.8	531.6	540.3	546.5	555.3	570.2	581.5	589.0	597.7
70°	700.0	705.0	711.2	717.5	726.2	732.5	741.2	759.9	771.1	776.1	781.1
67.5°	979.5	992.0	1003.2	990.7	984.5	975.8	978.3	995.7	1007.0	1014.5	1013.2
65°	1227.8	1236.6	1236.6	1235.3	1230.3	1219.1	1225.3	1246.5	1259.0	1265.3	1246.5
62.5°	1519.8	1519.8	1513.6	1523.6	1524.8	1517.3	1513.6	1514.8	1516.1	1519.8	1488.6
60°	1722.0	1734.4	1738.2	1746.9	1749.4	1749.4	1755.6	1760.6	1760.6	1753.2	1717.0
57.5°	1989.0	2012.7	2017.7	2011.4	1999.0	1982.7	1980.2	1972.8	1957.8	1942.8	1925.3
55°	2258.5	2271.0	2269.7	2266.0	2253.5	2234.8	2237.3	2227.3	2203.6	2184.9	2161.2
52.5°	2529.3	2559.2	2564.2	2556.7	2539.3	2519.3	2520.5	2509.3	2485.6	2465.6	2433.2
50°	2874.9	2899.9	2897.4	2884.9	2859.9	2845.0	2846.2	2825.0	2797.6	2791.3	2748.9
47.5°	3270.5	3299.2	3294.2	3276.7	3243.0	3236.8	3243.0	3215.6	3199.3	3185.6	3135.7
45°	3789.6	3823.2	3804.5	3770.8	3717.2	3723.4	3732.2	3727.2	3692.2	3656.0	3592.4
42.5°	4398.5	4419.7	4397.2	4363.5	4296.2	4308.6	4303.6	4273.7	4252.5	4192.6	4111.5
40°	5049.8	5096.0	5061.1	5008.6	4938.8	4957.5	4943.8	4905.1	4855.2	4780.3	4678.0
37.5°	5752.3	5788.5	5748.6	5687.4	5625.1	5618.8	5591.4	5531.5	5460.3	5378.0	5214.5
35°	6424.9	6518.5	6444.9	6347.5	6271.4	6242.7	6216.5	6078.0	5996.9	5863.4	5640.0
32.5°	6925.3	6993.9	6902.8	6801.7	6709.4	6669.5	6577.1	6412.4	6368.7	6088.0	5883.4
30°	7056.3	7051.3	6956.5	6879.1	6779.3	6751.8	6582.1	6442.4	6302.6	6043.1	5848.4
27.5°	6744.3	6713.1	6622.0	6554.7	6456.1	6423.6	6256.4	6181.6	5965.7	5746.1	5581.4
25°	6049.3	6065.5	5996.9	5963.2	5898.3	5828.4	5762.3	5661.2	5526.5	5334.3	5183.3
22.5°	5501.5	5522.7	5494.0	5454.1	5404.2	5365.5	5315.6	5237.0	5107.2	4988.7	4846.4
20°	5197.1	5190.8	5165.9	5135.9	5088.5	5061.1	5006.2	4940.0	4840.2	4737.9	4584.4
17.5°	5037.3	4998.7	4975.0	4963.7	4938.8	4903.8	4838.9	4771.6	4694.2	4578.2	4465.9
15°	4918.8	4925.0	4906.3	4897.6	4877.6	4829.0	4762.8	4707.9	4603.1	4544.5	4442.1
12.5°	4911.3	4905.1	4906.3	4902.6	4877.6	4815.2	4781.5	4711.7	4644.3	4566.9	4449.6
10°	4999.9	4933.8	4938.8	4956.2	4916.3	4866.4	4830.2	4754.1	4690.5	4591.9	4475.8
7.5°	4994.9	4961.2	4971.2	4942.5	4955.0	4893.8	4843.9	4767.8	4688.0	4583.1	4478.3
5°	5024.9	4973.7	4965.0	4967.5	4936.3	4890.1	4822.7	4750.4	4675.5	4558.2	4450.9
2.5°	4956.2	4963.7	4923.8	4908.8	4905.1	4827.7	4765.3	4695.5	4618.1	4514.5	4418.4
0°	4905.1	4918.8	4877.6	4856.4	4855.2	4789.0	4749.1	4669.2	4614.3	4528.2	4412.2
-2.5°	4877.6	4893.8	4898.8	4860.2	4822.7	4771.6	4704.2	4618.1	4528.2	4428.4	4328.6
-5°	4880.1	4847.7	4834.0	4846.4	4814.0	4762.8	4688.0	4611.8	4523.3	4415.9	4291.2
-7.5°	4781.5	4749.1	4746.6	4740.4	4732.9	4684.2	4621.8	4539.5	4449.6	4349.8	4233.8
-10°	4634.3	4610.6	4604.4	4598.1	4578.2	4549.5	4490.8	4415.9	4334.8	4235.0	4111.5
-12.5°	4470.8	4459.6	4435.9	4419.7	4399.7	4366.0	4309.9	4241.3	4160.1	4071.6	3965.5
-15°	4289.9	4268.7	4245.0	4231.3	4202.6	4162.6	4106.5	4042.9	3954.3	3866.9	3767.1
-17.5°	4071.6	4045.3	4019.1	4015.4	3995.4	3934.3	3881.9	3804.5	3727.2	3643.6	3546.2
-20°	3814.5	3778.3	3760.9	3750.9	3723.4	3678.5	3622.3	3551.2	3476.4	3396.5	3284.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	3530.0	3498.8	3468.9	3450.2	3426.4	3391.5	3337.8	3275.5	3201.8	3112.0	3008.4
-25°	3206.8	3163.2	3144.4	3123.2	3110.8	3078.3	3025.9	2968.5	2892.4	2805.0	2706.5
-27.5°	2837.5	2802.5	2792.6	2762.6	2747.6	2714.0	2670.3	2616.6	2546.7	2464.4	2383.3
-30°	2429.5	2408.2	2392.0	2362.1	2350.8	2314.7	2286.0	2241.0	2177.4	2118.8	2053.9
-32.5°	2010.2	1989.0	1984.0	1970.3	1962.8	1939.1	1906.6	1874.2	1823.0	1779.4	1726.9
-35°	1638.4	1623.4	1624.6	1623.4	1615.9	1598.4	1558.5	1549.8	1512.3	1472.4	1438.7
-37.5°	1341.4	1342.6	1341.4	1340.1	1330.1	1322.7	1294.0	1282.7	1260.3	1221.6	1201.6
-40°	1118.0	1120.5	1119.3	1116.8	1105.5	1101.8	1083.1	1068.1	1059.4	1031.9	1010.7
-42.5°	937.1	940.8	939.6	938.3	930.9	929.6	919.6	902.2	897.2	880.9	858.5
-45°	799.8	798.6	796.1	798.6	794.8	791.1	784.9	773.6	767.4	759.9	741.2
-47.5°	691.3	692.5	690.0	690.0	685.0	681.3	678.8	671.3	666.3	660.1	648.9
-50°	601.4	606.4	605.2	603.9	600.2	597.7	597.7	590.2	582.7	580.2	572.7
-52.5°	531.6	535.3	536.6	539.0	540.3	541.5	537.8	530.3	517.8	516.6	512.8
-55°	467.9	479.2	486.6	491.6	496.6	500.4	492.9	482.9	470.4	465.4	464.2
-57.5°	424.3	435.5	444.2	451.7	457.9	464.2	456.7	446.7	435.5	429.2	428.0
-60°	384.3	394.3	403.0	413.0	421.8	431.7	428.0	420.5	414.3	409.3	404.3
-62.5°	341.9	351.9	361.9	374.3	385.6	395.6	396.8	395.6	394.3	395.6	386.8
-65°	307.0	311.9	318.2	331.9	344.4	355.6	361.9	365.6	371.8	378.1	369.3
-67.5°	269.5	275.8	283.2	293.2	303.2	310.7	319.4	329.4	339.4	349.4	343.1
-70°	235.8	240.8	247.1	252.1	258.3	263.3	270.8	282.0	293.2	303.2	300.7
-72.5°	200.9	205.9	209.6	212.1	215.9	218.4	222.1	232.1	239.6	244.6	244.6
-75°	166.0	170.9	174.7	175.9	178.4	179.7	182.2	185.9	189.7	190.9	192.2
-77.5°	127.3	132.3	136.0	138.5	141.0	143.5	144.7	147.2	148.5	148.5	149.7
-80°	94.8	98.6	101.1	104.8	106.1	108.6	111.1	112.3	113.5	113.5	114.8
-82.5°	67.4	69.9	72.4	74.9	77.4	78.6	81.1	82.4	83.6	84.9	86.1
-85°	44.9	47.4	49.9	52.4	53.7	54.9	56.2	57.4	58.6	59.9	61.1
-87.5°	26.2	27.5	28.7	31.2	32.4	34.9	36.2	34.9	36.2	36.2	36.2
-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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
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°	48.7	48.7	48.7	48.7	47.4	44.9	43.7	41.2	38.7	36.2	33.7
85°	101.1	102.3	102.3	102.3	99.8	98.6	94.8	91.1	86.1	78.6	72.4
82.5°	168.5	169.7	169.7	168.5	166.0	162.2	157.2	151.0	141.0	131.0	122.3
80°	253.3	254.6	254.6	253.3	247.1	240.8	234.6	227.1	214.6	200.9	185.9
77.5°	354.4	356.9	356.9	353.1	344.4	336.9	326.9	314.4	295.7	275.8	255.8
75°	471.7	477.9	479.2	475.4	464.2	450.5	434.2	413.0	384.3	359.4	335.7
72.5°	607.7	613.9	618.9	613.9	597.7	579.0	555.3	530.3	501.6	467.9	428.0
70°	786.1	792.3	796.1	779.9	751.2	720.0	691.3	662.6	628.9	587.7	544.0
67.5°	1010.7	1004.5	997.0	964.5	928.4	890.9	851.0	808.6	764.9	721.2	670.1
65°	1226.6	1209.1	1192.9	1154.2	1108.0	1059.4	1013.2	965.8	913.4	858.5	809.8
62.5°	1453.7	1416.2	1376.3	1328.9	1281.5	1227.8	1181.7	1125.5	1066.9	999.5	937.1
60°	1677.0	1632.1	1592.2	1533.5	1471.1	1398.8	1348.9	1294.0	1225.3	1153.0	1079.3
57.5°	1892.9	1844.2	1800.6	1749.4	1682.0	1603.4	1548.5	1477.4	1405.0	1313.9	1239.1
55°	2122.5	2073.8	2038.9	1981.5	1907.9	1835.5	1775.6	1700.7	1599.7	1502.3	1410.0
52.5°	2385.8	2347.1	2309.7	2251.0	2162.4	2088.8	2022.7	1939.1	1833.0	1713.2	1602.2
50°	2680.3	2660.3	2620.4	2551.7	2450.7	2385.8	2298.4	2187.4	2073.8	1947.8	1809.3
47.5°	3070.8	3038.4	2982.2	2907.4	2822.5	2725.2	2607.9	2478.1	2317.2	2177.4	2030.2
45°	3537.5	3477.6	3405.2	3304.2	3199.3	3089.5	2961.0	2796.3	2580.4	2398.3	2243.5
42.5°	4042.9	3961.7	3863.2	3730.9	3594.9	3460.1	3321.6	3097.0	2827.5	2617.9	2443.2
40°	4570.7	4467.1	4343.6	4151.4	4000.4	3827.0	3668.5	3332.9	3045.9	2818.8	2632.8
37.5°	5087.3	4956.2	4749.1	4515.8	4339.8	4197.6	3849.4	3490.1	3233.0	2983.5	2795.1
35°	5482.8	5371.8	5006.2	4764.1	4613.1	4388.5	3953.0	3584.9	3312.9	3105.8	2812.5
32.5°	5717.4	5430.4	5109.7	4865.2	4740.4	4372.3	3960.5	3612.4	3350.3	3118.2	2767.6
30°	5665.0	5318.1	5037.3	4832.7	4561.9	4231.3	3890.6	3569.9	3315.4	3034.6	2717.7
27.5°	5349.3	5081.0	4830.2	4616.8	4351.1	4054.1	3739.6	3457.6	3220.6	2948.5	2649.1
25°	4992.4	4749.1	4563.2	4377.3	4125.2	3842.0	3564.9	3361.6	3123.2	2855.0	2559.2
22.5°	4664.3	4489.6	4343.6	4148.9	3903.1	3656.0	3483.8	3273.0	3028.4	2756.4	2466.9
20°	4454.6	4336.1	4168.9	3954.3	3760.9	3606.1	3415.2	3191.9	2939.8	2655.3	2388.3
17.5°	4353.6	4216.3	4030.4	3890.6	3742.1	3572.4	3359.1	3122.0	2853.7	2609.1	2397.0
15°	4301.1	4156.4	4034.1	3896.9	3729.7	3551.2	3314.1	3068.3	2853.7	2627.9	2403.3
12.5°	4312.4	4187.6	4054.1	3904.3	3724.7	3533.8	3319.1	3090.8	2868.7	2641.6	2404.5
10°	4347.3	4216.3	4074.0	3908.1	3727.2	3538.7	3332.9	3104.5	2876.2	2647.8	2402.0
7.5°	4359.8	4217.5	4065.3	3898.1	3720.9	3536.2	3335.4	3108.3	2877.4	2646.6	2394.5
5°	4321.1	4192.6	4045.3	3876.9	3703.5	3523.8	3325.4	3103.3	2867.4	2634.1	2375.8
2.5°	4268.7	4165.1	4024.1	3861.9	3686.0	3506.3	3309.2	3080.8	2845.0	2611.6	2352.1
0°	4260.0	4131.4	3989.2	3844.5	3657.3	3467.6	3271.7	3038.4	2803.8	2569.2	2310.9
-2.5°	4202.6	4066.6	3924.3	3767.1	3602.4	3411.5	3205.6	2977.2	2745.1	2514.3	2266.0
-5°	4158.9	4007.9	3856.9	3687.2	3521.3	3330.4	3117.0	2894.9	2667.8	2443.2	2203.6
-7.5°	4100.3	3945.5	3787.1	3609.9	3430.2	3235.5	3024.7	2802.5	2579.2	2355.8	2126.2
-10°	3981.7	3845.7	3697.2	3513.8	3324.1	3129.5	2919.8	2701.5	2478.1	2252.3	2021.4
-12.5°	3838.2	3694.7	3532.5	3364.1	3194.4	3013.4	2803.8	2589.2	2364.6	2137.5	1907.9
-15°	3652.3	3511.3	3345.3	3180.6	3017.2	2843.7	2659.0	2465.6	2237.3	2013.9	1784.3
-17.5°	3420.2	3287.9	3139.5	2982.2	2820.0	2645.3	2465.6	2302.2	2088.8	1879.2	1652.1
-20°	3170.6	3047.1	2913.6	2765.1	2602.9	2432.0	2262.3	2091.3	1906.6	1722.0	1511.1



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2911.1	2786.3	2651.6	2513.1	2363.3	2204.9	2047.6	1884.2	1722.0	1554.8	1376.3
-25°	2611.6	2501.8	2378.3	2243.5	2110.0	1971.5	1821.8	1673.3	1534.8	1390.0	1244.1
-27.5°	2298.4	2197.4	2085.1	1967.8	1853.0	1736.9	1607.2	1469.9	1355.1	1235.3	1114.3
-30°	1969.0	1887.9	1796.8	1694.5	1605.9	1512.3	1403.8	1290.2	1185.4	1094.3	997.0
-32.5°	1657.1	1588.4	1523.6	1456.2	1368.8	1296.5	1221.6	1138.0	1045.7	959.6	889.7
-35°	1388.8	1315.2	1287.7	1237.8	1175.4	1111.8	1056.9	997.0	927.1	851.0	793.6
-37.5°	1162.9	1119.3	1080.6	1053.1	1012.0	960.8	917.1	873.5	819.8	762.4	705.0
-40°	987.0	957.1	914.6	900.9	874.7	839.8	794.8	761.2	725.0	681.3	632.6
-42.5°	846.0	823.5	796.1	772.4	761.2	736.2	701.3	668.8	640.1	610.2	572.7
-45°	730.0	715.0	697.5	676.3	667.6	647.6	622.6	586.5	570.2	545.3	517.8
-47.5°	636.4	628.9	616.4	602.7	590.2	575.2	552.8	530.3	507.9	491.6	470.4
-50°	562.8	557.8	550.3	539.0	522.8	512.8	497.9	477.9	456.7	443.0	428.0
-52.5°	504.1	499.1	494.1	485.4	472.9	462.9	450.5	434.2	416.8	403.0	390.6
-55°	459.2	451.7	448.0	440.5	430.5	419.3	408.0	396.8	381.8	369.3	356.9
-57.5°	424.3	414.3	409.3	403.0	393.1	381.8	373.1	361.9	351.9	338.2	326.9
-60°	396.8	385.6	375.6	369.3	360.6	349.4	340.6	331.9	321.9	310.7	297.0
-62.5°	374.3	360.6	346.9	339.4	330.7	320.7	311.9	303.2	293.2	282.0	269.5
-65°	353.1	336.9	319.4	311.9	303.2	293.2	282.0	275.8	267.0	257.0	244.6
-67.5°	326.9	309.5	294.5	285.7	277.0	268.3	258.3	252.1	243.3	230.8	218.4
-70°	288.2	277.0	267.0	259.5	252.1	244.6	234.6	224.6	214.6	203.4	192.2
-72.5°	239.6	235.8	234.6	230.8	222.1	213.4	203.4	193.4	184.7	175.9	167.2
-75°	193.4	195.9	198.4	197.2	188.4	179.7	170.9	162.2	156.0	148.5	141.0
-77.5°	153.5	156.0	158.5	158.5	152.2	147.2	141.0	134.8	129.8	123.5	116.0
-80°	118.5	122.3	126.0	128.5	123.5	119.8	114.8	109.8	104.8	99.8	94.8
-82.5°	89.8	93.6	97.3	99.8	96.1	93.6	89.8	86.1	82.4	77.4	73.6
-85°	64.9	67.4	69.9	71.1	68.6	66.1	63.6	61.1	58.6	54.9	52.4
-87.5°	37.4	38.7	39.9	41.2	38.7	36.2	34.9	32.4	31.2	28.7	27.5
-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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
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°	31.2	28.7	26.2	25.0	22.5	18.7	16.2	13.7	11.2	8.7	7.5
85°	66.1	59.9	52.4	48.7	43.7	38.7	33.7	28.7	23.7	18.7	13.7
82.5°	113.5	106.1	98.6	89.8	78.6	64.9	51.2	42.4	34.9	27.5	21.2
80°	170.9	157.2	144.7	133.5	121.0	103.6	84.9	67.4	47.4	36.2	27.5
77.5°	237.1	220.9	203.4	184.7	164.7	141.0	119.8	97.3	73.6	49.9	34.9
75°	311.9	290.7	267.0	240.8	214.6	183.4	153.5	127.3	99.8	69.9	42.4
72.5°	395.6	369.3	340.6	305.7	264.5	228.3	192.2	157.2	124.8	88.6	57.4
70°	502.9	461.7	419.3	381.8	329.4	272.0	229.6	189.7	148.5	108.6	72.4
67.5°	617.7	567.7	516.6	461.7	395.6	328.2	267.0	222.1	173.4	127.3	86.1
65°	742.4	680.0	615.2	554.0	462.9	383.1	314.4	253.3	197.2	144.7	99.8
62.5°	871.0	797.3	722.5	642.6	537.8	439.2	359.4	288.2	219.6	161.0	112.3
60°	1008.2	922.1	831.0	731.2	608.9	500.4	401.8	324.4	243.3	177.2	126.0
57.5°	1153.0	1059.4	952.1	817.3	682.5	559.0	450.5	356.9	264.5	192.2	136.0
55°	1310.2	1202.9	1085.6	907.1	754.9	617.7	499.1	389.3	287.0	204.6	146.0
52.5°	1479.9	1355.1	1206.6	1002.0	831.0	677.6	544.0	418.0	308.2	218.4	154.7
50°	1669.5	1512.3	1312.7	1089.3	897.2	733.7	589.0	449.2	325.7	233.3	162.2
47.5°	1866.7	1697.0	1407.5	1170.4	964.5	788.6	635.1	476.7	343.1	245.8	169.7
45°	2072.6	1825.5	1506.1	1242.8	1023.2	838.5	670.1	501.6	364.4	257.0	175.9
42.5°	2276.0	1922.9	1592.2	1315.2	1078.1	883.4	698.8	525.3	381.8	268.3	182.2
40°	2372.1	1996.5	1660.8	1365.1	1124.3	923.4	723.7	546.5	396.8	275.8	188.4
37.5°	2412.0	2041.4	1705.7	1412.5	1160.4	944.6	744.9	565.3	409.3	283.2	193.4
35°	2420.7	2057.6	1728.2	1444.9	1190.4	964.5	761.2	579.0	419.3	290.7	198.4
32.5°	2404.5	2052.6	1734.4	1456.2	1209.1	979.5	772.4	589.0	426.7	298.2	203.4
30°	2368.3	2026.4	1712.0	1454.9	1222.8	988.3	779.9	596.4	434.2	303.2	205.9
27.5°	2309.7	1980.2	1683.3	1456.2	1230.3	992.0	783.6	600.2	439.2	307.0	210.9
25°	2237.3	1917.9	1684.5	1453.7	1231.6	993.2	783.6	600.2	440.5	308.2	214.6
22.5°	2153.7	1917.9	1684.5	1449.9	1224.1	990.7	779.9	597.7	440.5	310.7	218.4
20°	2158.7	1919.1	1680.8	1442.5	1212.9	983.3	771.1	591.5	436.7	314.4	220.9
17.5°	2162.4	1916.6	1673.3	1432.5	1197.9	970.8	759.9	582.7	436.7	318.2	222.1
15°	2162.4	1909.1	1662.1	1417.5	1179.2	953.3	743.7	575.2	438.0	319.4	224.6
12.5°	2158.7	1895.4	1644.6	1397.5	1156.7	932.1	733.7	572.7	438.0	320.7	224.6
10°	2151.2	1876.7	1622.1	1372.6	1135.5	924.6	728.7	567.7	435.5	320.7	224.6
7.5°	2137.5	1854.2	1603.4	1357.6	1123.0	915.9	721.2	560.3	431.7	318.2	227.1
5°	2116.3	1841.7	1588.4	1340.1	1105.5	909.6	716.2	554.0	429.2	318.2	224.6
2.5°	2088.8	1826.8	1571.0	1317.7	1085.6	888.4	700.0	540.3	420.5	313.2	222.1
0°	2043.9	1796.8	1541.0	1286.5	1058.1	867.2	683.8	526.6	411.8	308.2	219.6
-2.5°	2002.7	1756.9	1502.3	1254.0	1031.9	848.5	671.3	519.1	408.0	307.0	218.4
-5°	1945.3	1702.0	1451.2	1211.6	997.0	829.8	658.8	510.3	404.3	304.5	218.4
-7.5°	1881.7	1644.6	1397.5	1167.9	962.0	797.3	635.1	496.6	395.6	299.5	217.1
-10°	1783.1	1558.5	1330.1	1118.0	924.6	768.6	615.2	484.1	388.1	294.5	212.1
-12.5°	1678.3	1463.7	1252.8	1056.9	882.2	738.7	592.7	470.4	379.3	289.5	209.6
-15°	1567.2	1366.3	1171.7	993.2	836.0	702.5	569.0	455.4	370.6	283.2	205.9
-17.5°	1451.2	1264.0	1088.1	928.4	789.9	665.1	544.0	441.7	360.6	277.0	202.1
-20°	1328.9	1159.2	1003.2	862.2	741.2	627.6	517.8	425.5	349.4	269.5	197.2



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1207.9	1055.6	915.9	797.3	691.3	589.0	491.6	409.3	336.9	260.8	193.4
-25°	1100.6	958.3	838.5	735.0	642.6	551.5	464.2	393.1	323.2	252.1	188.4
-27.5°	995.7	874.7	762.4	676.3	595.2	515.3	438.0	375.6	309.5	242.1	183.4
-30°	898.4	794.8	702.5	618.9	550.3	482.9	415.5	358.1	294.5	232.1	177.2
-32.5°	809.8	726.2	648.9	569.0	507.9	450.5	394.3	340.6	279.5	222.1	170.9
-35°	727.5	662.6	595.2	527.8	465.4	420.5	371.8	321.9	265.8	210.9	164.7
-37.5°	653.8	601.4	547.8	490.4	436.7	391.8	350.6	303.2	252.1	200.9	158.5
-40°	590.2	547.8	500.4	454.2	409.3	366.9	329.4	284.5	238.3	193.4	152.2
-42.5°	531.6	499.1	460.4	421.8	381.8	344.4	308.2	264.5	224.6	184.7	146.0
-45°	486.6	454.2	423.0	388.1	354.4	321.9	285.7	247.1	212.1	174.7	139.8
-47.5°	444.2	415.5	386.8	358.1	330.7	300.7	264.5	232.1	198.4	166.0	134.8
-50°	406.8	379.3	354.4	329.4	305.7	277.0	243.3	217.1	187.2	157.2	128.5
-52.5°	371.8	348.1	323.2	303.2	283.2	254.6	227.1	202.1	175.9	147.2	122.3
-55°	340.6	318.2	295.7	277.0	258.3	233.3	210.9	189.7	164.7	139.8	116.0
-57.5°	310.7	292.0	270.8	253.3	234.6	214.6	195.9	175.9	153.5	132.3	109.8
-60°	283.2	265.8	247.1	229.6	213.4	197.2	179.7	163.5	143.5	123.5	103.6
-62.5°	255.8	240.8	224.6	207.1	194.7	179.7	166.0	149.7	133.5	116.0	92.3
-65°	230.8	217.1	202.1	187.2	175.9	164.7	152.2	137.3	123.5	107.3	82.4
-67.5°	205.9	193.4	180.9	168.5	158.5	149.7	137.3	126.0	114.8	97.3	72.4
-70°	182.2	172.2	161.0	151.0	143.5	133.5	124.8	114.8	104.8	84.9	61.1
-72.5°	159.7	149.7	141.0	133.5	127.3	118.5	111.1	103.6	89.8	71.1	51.2
-75°	133.5	127.3	122.3	116.0	109.8	103.6	97.3	88.6	74.9	57.4	39.9
-77.5°	109.8	106.1	102.3	97.3	92.3	87.3	79.9	71.1	59.9	44.9	32.4
-80°	89.8	86.1	83.6	78.6	74.9	69.9	62.4	54.9	43.7	34.9	26.2
-82.5°	68.6	66.1	63.6	61.1	57.4	52.4	44.9	38.7	32.4	26.2	20.0
-85°	48.7	47.4	44.9	42.4	38.7	34.9	29.9	26.2	22.5	17.5	13.7
-87.5°	25.0	23.7	22.5	21.2	20.0	17.5	15.0	12.5	11.2	8.7	6.2
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.0	3.7	1.2	0.0
85°	10.0	6.2	2.5	0.0
82.5°	15.0	10.0	3.7	0.0
80°	20.0	12.5	6.2	0.0
77.5°	25.0	15.0	7.5	0.0
75°	29.9	18.7	8.7	0.0
72.5°	33.7	21.2	10.0	0.0
70°	39.9	25.0	11.2	0.0
67.5°	49.9	27.5	12.5	0.0
65°	58.6	29.9	13.7	0.0
62.5°	68.6	32.4	15.0	0.0
60°	77.4	34.9	16.2	0.0
57.5°	86.1	41.2	17.5	0.0
55°	93.6	46.2	18.7	0.0
52.5°	102.3	51.2	20.0	0.0
50°	109.8	56.2	21.2	0.0
47.5°	116.0	61.1	21.2	0.0
45°	121.0	64.9	22.5	0.0
42.5°	124.8	68.6	23.7	0.0
40°	128.5	72.4	25.0	0.0
37.5°	132.3	76.1	25.0	0.0
35°	136.0	79.9	26.2	0.0
32.5°	139.8	83.6	26.2	0.0
30°	142.2	86.1	27.5	0.0
27.5°	146.0	88.6	27.5	0.0
25°	147.2	91.1	28.7	0.0
22.5°	149.7	92.3	28.7	0.0
20°	152.2	94.8	28.7	0.0
17.5°	153.5	96.1	29.9	0.0
15°	153.5	97.3	31.2	0.0
12.5°	154.7	98.6	31.2	0.0
10°	154.7	101.1	29.9	0.0
7.5°	157.2	99.8	29.9	0.0
5°	156.0	99.8	29.9	0.0
2.5°	154.7	98.6	29.9	0.0
0°	153.5	98.6	29.9	0.0
-2.5°	153.5	98.6	29.9	0.0
-5°	153.5	98.6	29.9	0.0
-7.5°	152.2	99.8	29.9	0.0
-10°	149.7	99.8	29.9	0.0
-12.5°	148.5	96.1	29.9	0.0
-15°	147.2	94.8	29.9	0.0
-17.5°	144.7	93.6	28.7	0.0
-20°	142.2	92.3	28.7	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	139.8	89.8	28.7	0.0
-25°	137.3	87.3	27.5	0.0
-27.5°	134.8	84.9	27.5	0.0
-30°	131.0	82.4	26.2	0.0
-32.5°	127.3	79.9	26.2	0.0
-35°	124.8	76.1	25.0	0.0
-37.5°	121.0	72.4	25.0	0.0
-40°	117.3	68.6	23.7	0.0
-42.5°	113.5	64.9	22.5	0.0
-45°	108.6	61.1	22.5	0.0
-47.5°	104.8	57.4	21.2	0.0
-50°	98.6	52.4	20.0	0.0
-52.5°	91.1	47.4	18.7	0.0
-55°	83.6	43.7	17.5	0.0
-57.5°	76.1	38.7	17.5	0.0
-60°	68.6	33.7	16.2	0.0
-62.5°	61.1	31.2	15.0	0.0
-65°	53.7	28.7	13.7	0.0
-67.5°	44.9	25.0	12.5	0.0
-70°	37.4	22.5	11.2	0.0
-72.5°	32.4	20.0	10.0	0.0
-75°	27.5	17.5	8.7	0.0
-77.5°	23.7	15.0	7.5	0.0
-80°	18.7	11.2	5.0	0.0
-82.5°	13.7	8.7	3.7	0.0
-85°	8.7	6.2	2.5	0.0
-87.5°	5.0	2.5	1.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)