

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: P721993

Luminaire Tested: **IFLD-S-SA3A-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721993
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-727-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

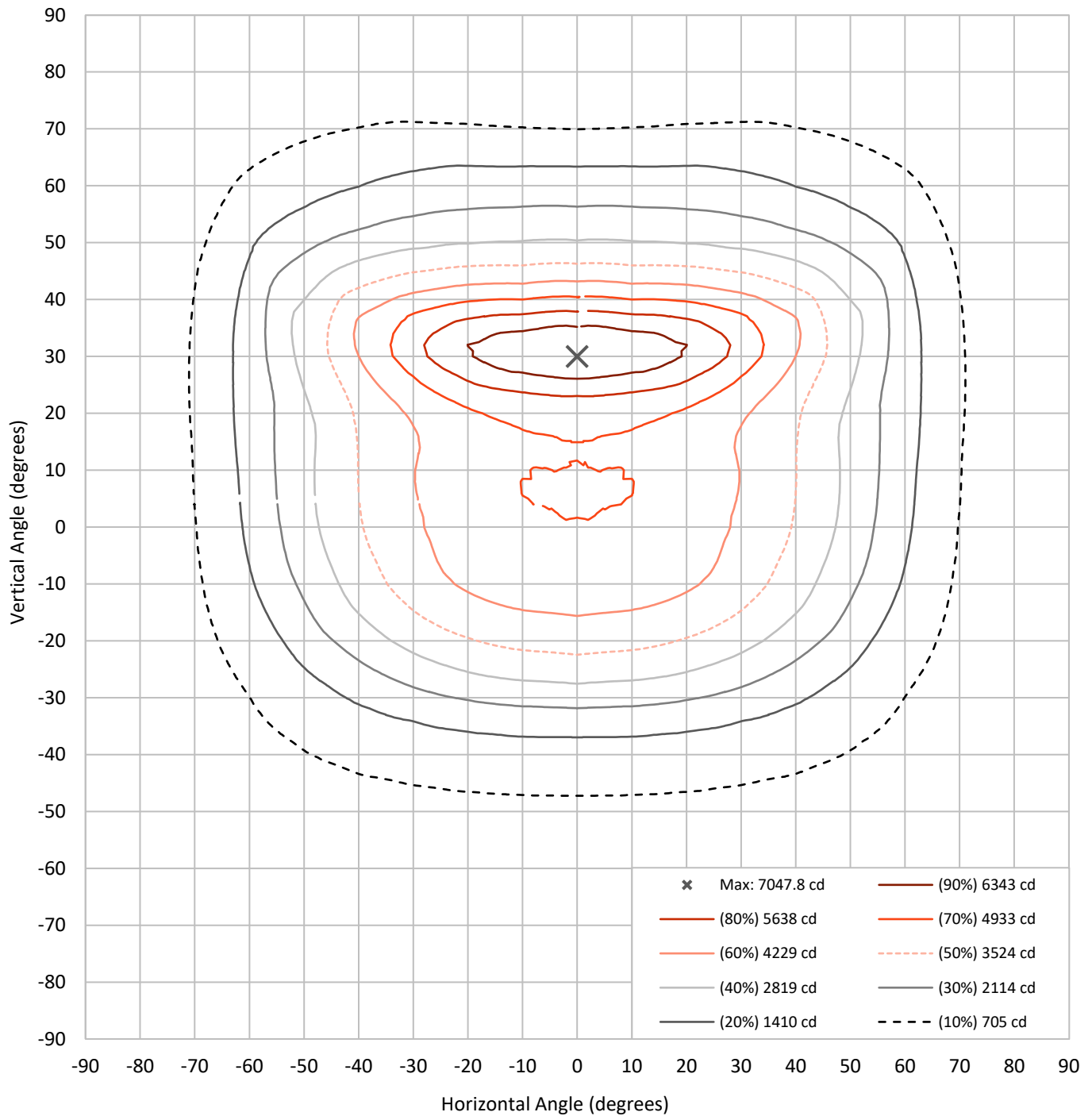
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	11764.6 lumens	Max Intensity:	7047.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	124.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6841.2 lumens	Field Lumens:	11024.9 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 94.8
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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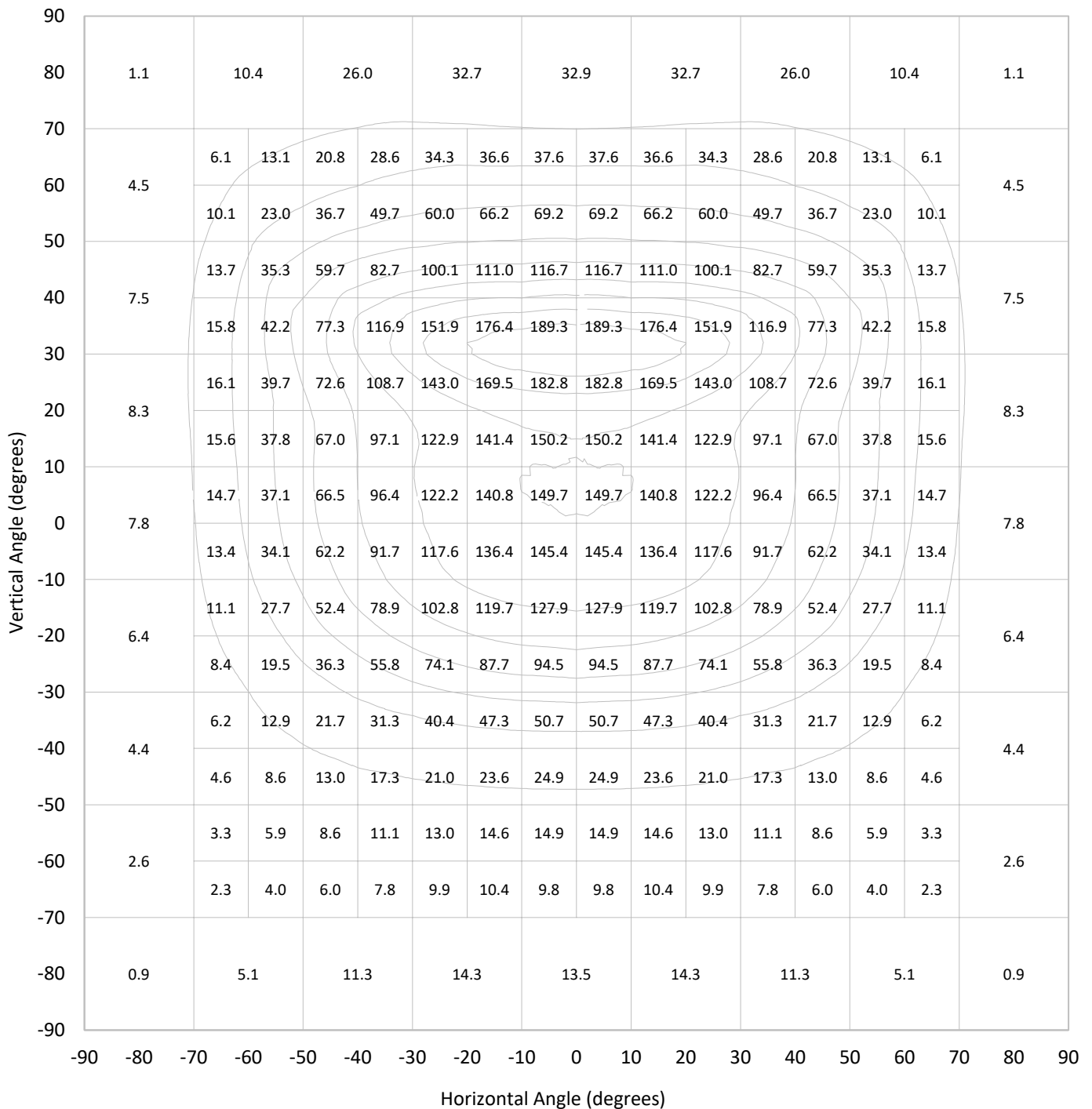
Iso-Candela Plot





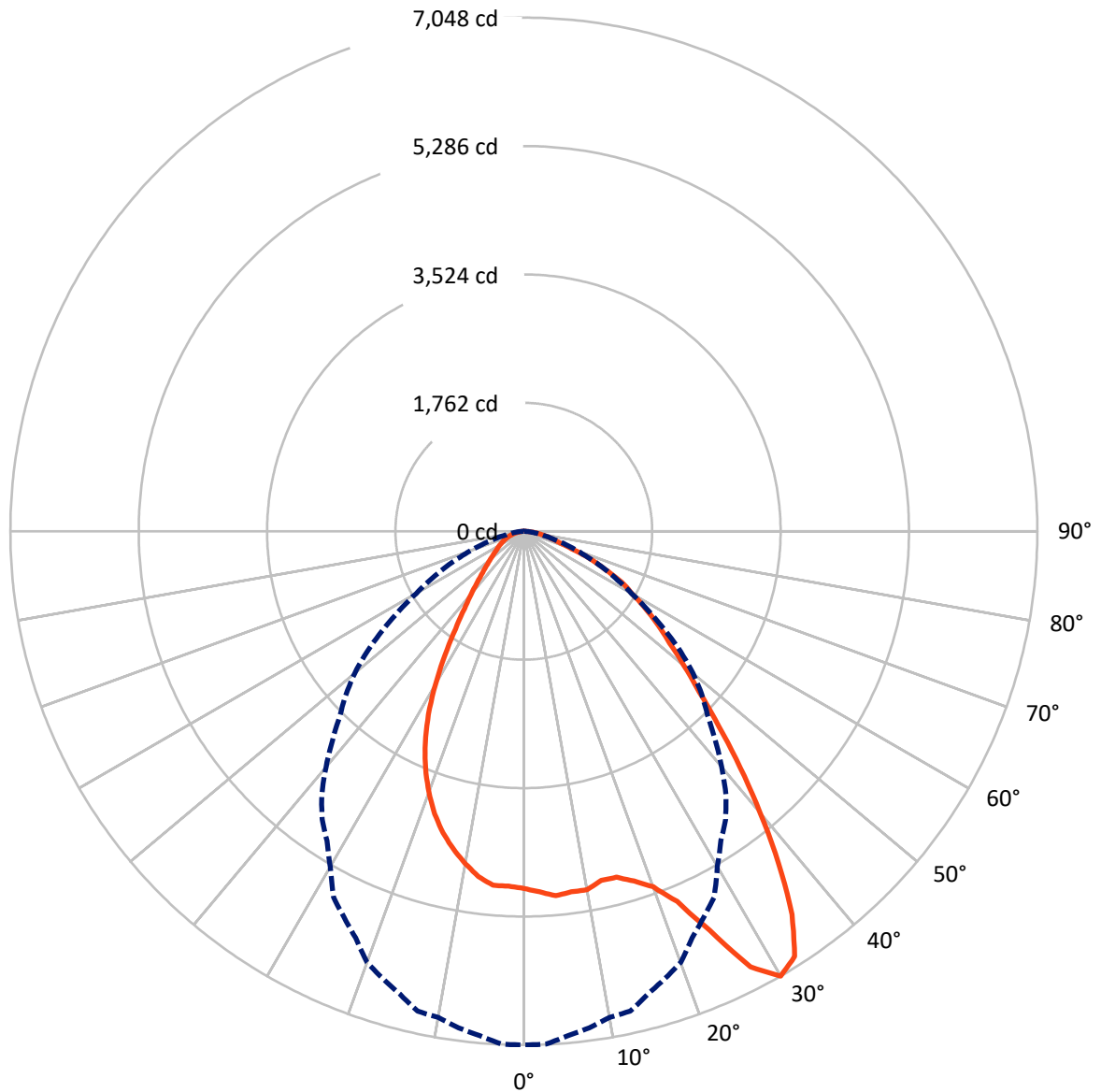
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Lumen Table



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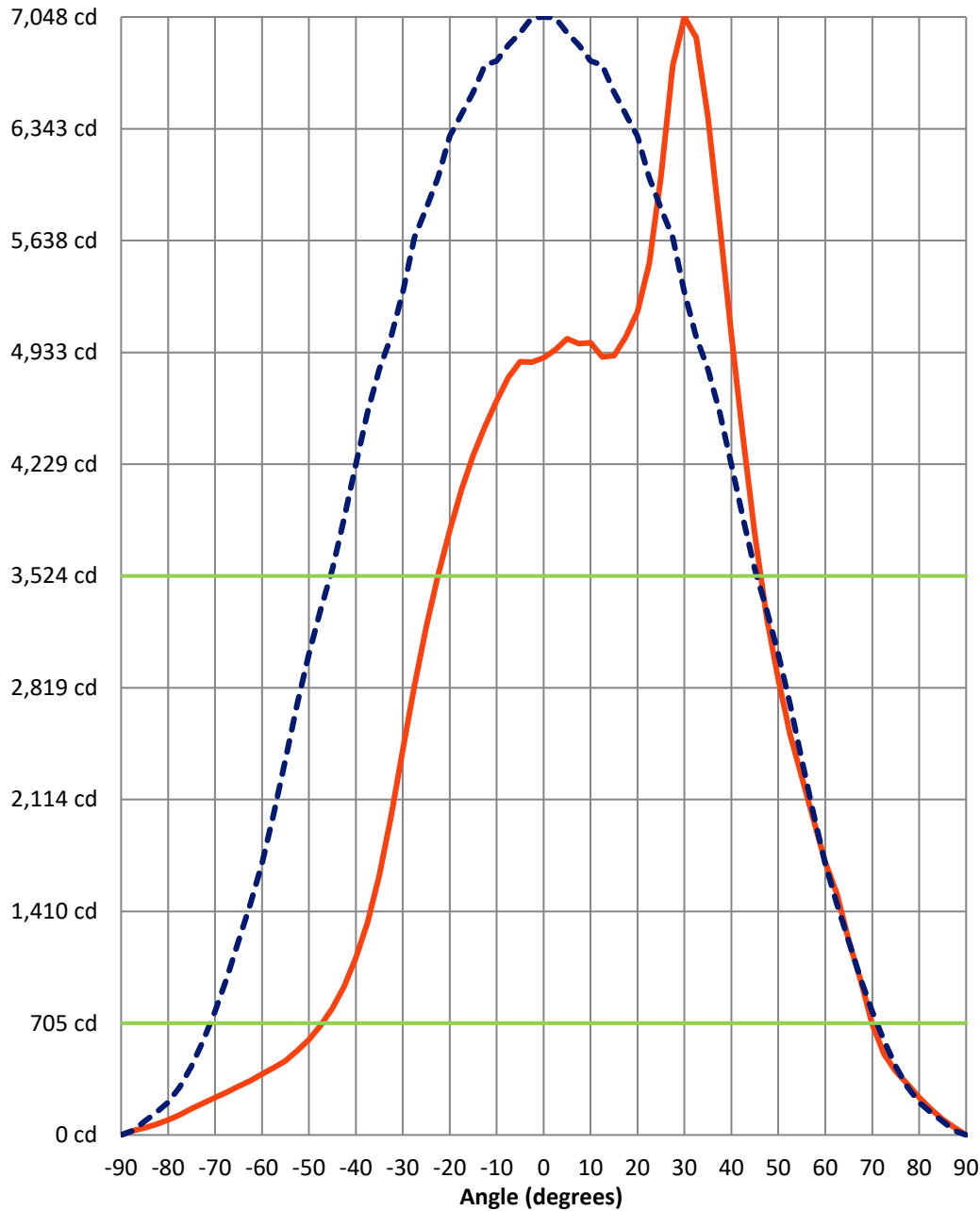
Luminous Intensity Polar Plot



— 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: 6841.2
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 11024.9
 Efficiency: 93.7%

Spill:
 Lumens: 739.7
 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	48.6	49.9	49.9	48.6	48.6	48.6	47.4	48.6	48.6	48.6
85°	98.5	101.0	103.4	102.2	101.0	98.5	96.0	97.2	98.5	99.7	99.7
82.5°	163.3	167.0	169.5	168.3	165.8	163.3	160.8	162.0	164.5	165.8	165.8
80°	236.8	238.0	239.3	241.8	238.0	238.0	236.8	241.8	244.3	246.8	249.3
77.5°	321.5	322.8	322.8	324.0	325.3	326.5	326.5	335.3	341.5	345.2	349.0
75°	401.3	405.0	408.8	412.5	417.5	420.0	423.7	436.2	446.2	453.7	461.1
72.5°	511.0	516.0	522.2	530.9	539.6	545.9	554.6	569.6	580.8	588.3	597.0
70°	699.2	704.2	710.4	716.6	725.3	731.6	740.3	759.0	770.2	775.2	780.2
67.5°	978.3	990.8	1002.0	989.6	983.3	974.6	977.1	994.5	1005.8	1013.2	1012.0
65°	1226.4	1235.1	1235.1	1233.8	1228.8	1217.6	1223.9	1245.1	1257.5	1263.7	1245.1
62.5°	1518.0	1518.0	1511.8	1521.7	1523.0	1515.5	1511.8	1513.0	1514.3	1518.0	1486.8
60°	1719.9	1732.4	1736.1	1744.8	1747.3	1747.3	1753.5	1758.5	1758.5	1751.0	1714.9
57.5°	1986.6	2010.3	2015.3	2009.0	1996.6	1980.4	1977.9	1970.4	1955.4	1940.5	1923.0
55°	2255.8	2268.3	2267.0	2263.3	2250.8	2232.1	2234.6	2224.6	2201.0	2182.3	2158.6
52.5°	2526.2	2556.2	2561.1	2553.7	2536.2	2516.3	2517.5	2506.3	2482.6	2462.7	2430.3
50°	2871.5	2896.4	2893.9	2881.4	2856.5	2841.6	2842.8	2821.6	2794.2	2788.0	2745.6
47.5°	3266.5	3295.2	3290.2	3272.8	3239.1	3232.9	3239.1	3211.7	3195.5	3181.8	3131.9
45°	3785.0	3818.7	3800.0	3766.3	3712.7	3719.0	3727.7	3722.7	3687.8	3651.7	3588.1
42.5°	4393.2	4414.4	4392.0	4358.3	4291.0	4303.5	4298.5	4268.6	4247.4	4187.6	4106.6
40°	5043.8	5089.9	5055.0	5002.6	4932.8	4951.5	4937.8	4899.2	4849.3	4774.6	4672.4
37.5°	5745.4	5781.6	5741.7	5680.6	5618.3	5612.1	5584.7	5524.8	5453.8	5371.5	5208.3
35°	6417.2	6510.7	6437.1	6339.9	6263.9	6235.2	6209.1	6070.7	5989.7	5856.4	5633.3
32.5°	6917.0	6985.5	6894.5	6793.6	6701.3	6661.5	6569.2	6404.7	6361.1	6080.7	5876.3
30°	7047.8	7042.8	6948.1	6870.8	6771.1	6743.7	6574.2	6434.6	6295.0	6035.8	5841.4
27.5°	6736.2	6705.1	6614.1	6546.8	6448.3	6415.9	6248.9	6174.2	5958.5	5739.2	5574.7
25°	6042.1	6058.3	5989.7	5956.1	5891.2	5821.5	5755.4	5654.5	5519.9	5327.9	5177.1
22.5°	5494.9	5516.1	5487.4	5447.6	5397.7	5359.1	5309.2	5230.7	5101.1	4982.7	4840.6
20°	5190.8	5184.6	5159.7	5129.8	5082.4	5055.0	5000.1	4934.1	4834.4	4732.2	4578.9
17.5°	5031.3	4992.7	4969.0	4957.8	4932.8	4897.9	4833.1	4765.8	4688.6	4572.7	4460.5
15°	4912.9	4919.1	4900.4	4891.7	4871.8	4823.2	4757.1	4702.3	4597.6	4539.0	4436.8
12.5°	4905.4	4899.2	4900.4	4896.7	4871.8	4809.5	4775.8	4706.0	4638.7	4561.4	4444.3
10°	4993.9	4927.9	4932.8	4950.3	4910.4	4860.6	4824.4	4748.4	4684.8	4586.4	4470.5
7.5°	4988.9	4955.3	4965.2	4936.6	4949.0	4888.0	4838.1	4762.1	4682.3	4577.7	4473.0
5°	5018.8	4967.7	4959.0	4961.5	4930.4	4884.2	4816.9	4744.7	4669.9	4552.7	4445.5
2.5°	4950.3	4957.8	4917.9	4902.9	4899.2	4821.9	4759.6	4689.8	4612.5	4509.1	4413.1
0°	4899.2	4912.9	4871.8	4850.6	4849.3	4783.3	4743.4	4663.6	4608.8	4522.8	4406.9
-2.5°	4871.8	4888.0	4893.0	4854.3	4816.9	4765.8	4698.5	4612.5	4522.8	4423.1	4323.4
-5°	4874.3	4841.9	4828.2	4840.6	4808.2	4757.1	4682.3	4606.3	4517.8	4410.6	4286.0
-7.5°	4775.8	4743.4	4740.9	4734.7	4727.2	4678.6	4616.3	4534.0	4444.3	4344.6	4228.7
-10°	4628.7	4605.1	4598.8	4592.6	4572.7	4544.0	4485.4	4410.6	4329.6	4229.9	4106.6
-12.5°	4465.5	4454.3	4430.6	4414.4	4394.4	4360.8	4304.7	4236.2	4155.2	4066.7	3960.7
-15°	4284.8	4263.6	4239.9	4226.2	4197.5	4157.6	4101.6	4038.0	3949.5	3862.3	3762.6
-17.5°	4066.7	4040.5	4014.3	4010.6	3990.6	3929.6	3877.2	3800.0	3722.7	3639.2	3542.0
-20°	3809.9	3773.8	3756.3	3746.4	3719.0	3674.1	3618.0	3547.0	3472.2	3392.4	3280.3



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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°	3525.8	3494.6	3464.7	3446.0	3422.3	3387.4	3333.8	3271.5	3198.0	3108.3	3004.8
-25°	3203.0	3159.4	3140.7	3119.5	3107.0	3074.6	3022.3	2964.9	2888.9	2801.7	2703.2
-27.5°	2834.1	2799.2	2789.2	2759.3	2744.3	2710.7	2667.1	2613.5	2543.7	2461.4	2380.4
-30°	2426.5	2405.4	2389.2	2359.2	2348.0	2311.9	2283.2	2238.4	2174.8	2116.2	2051.4
-32.5°	2007.8	1986.6	1981.6	1967.9	1960.4	1936.7	1904.3	1871.9	1820.8	1777.2	1724.9
-35°	1636.4	1621.4	1622.7	1621.4	1614.0	1596.5	1556.6	1547.9	1510.5	1470.6	1437.0
-37.5°	1339.8	1341.0	1339.8	1338.5	1328.6	1321.1	1292.4	1281.2	1258.8	1220.1	1200.2
-40°	1116.7	1119.2	1117.9	1115.4	1104.2	1100.5	1081.8	1066.8	1058.1	1030.7	1009.5
-42.5°	936.0	939.7	938.5	937.2	929.7	928.5	918.5	901.1	896.1	879.9	857.5
-45°	798.9	797.6	795.1	797.6	793.9	790.2	783.9	772.7	766.5	759.0	740.3
-47.5°	690.4	691.7	689.2	689.2	684.2	680.5	678.0	670.5	665.5	659.3	648.1
-50°	600.7	605.7	604.5	603.2	599.5	597.0	597.0	589.5	582.0	579.5	572.1
-52.5°	530.9	534.7	535.9	538.4	539.6	540.9	537.2	529.7	517.2	516.0	512.2
-55°	467.4	478.6	486.1	491.0	496.0	499.8	492.3	482.3	469.9	464.9	463.6
-57.5°	423.7	435.0	443.7	451.2	457.4	463.6	456.1	446.2	435.0	428.7	427.5
-60°	383.9	393.8	402.6	412.5	421.2	431.2	427.5	420.0	413.8	408.8	403.8
-62.5°	341.5	351.5	361.4	373.9	385.1	395.1	396.3	395.1	393.8	395.1	386.4
-65°	306.6	311.6	317.8	331.5	344.0	355.2	361.4	365.2	371.4	377.6	368.9
-67.5°	269.2	275.4	282.9	292.9	302.9	310.3	319.1	329.0	339.0	349.0	342.7
-70°	235.6	240.5	246.8	251.8	258.0	263.0	270.4	281.7	292.9	302.9	300.4
-72.5°	200.7	205.6	209.4	211.9	215.6	218.1	221.8	231.8	239.3	244.3	244.3
-75°	165.8	170.7	174.5	175.7	178.2	179.5	182.0	185.7	189.4	190.7	191.9
-77.5°	127.1	132.1	135.8	138.3	140.8	143.3	144.6	147.1	148.3	148.3	149.6
-80°	94.7	98.5	101.0	104.7	105.9	108.4	110.9	112.2	113.4	113.4	114.7
-82.5°	67.3	69.8	72.3	74.8	77.3	78.5	81.0	82.3	83.5	84.7	86.0
-85°	44.9	47.4	49.9	52.3	53.6	54.8	56.1	57.3	58.6	59.8	61.1
-87.5°	26.2	27.4	28.7	31.2	32.4	34.9	36.1	34.9	36.1	36.1	36.1
-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):

	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°	48.6	48.6	48.6	48.6	47.4	44.9	43.6	41.1	38.6	36.1	33.7
85°	101.0	102.2	102.2	102.2	99.7	98.5	94.7	91.0	86.0	78.5	72.3
82.5°	168.3	169.5	169.5	168.3	165.8	162.0	157.0	150.8	140.8	130.9	122.1
80°	253.0	254.2	254.2	253.0	246.8	240.5	234.3	226.8	214.4	200.7	185.7
77.5°	353.9	356.4	356.4	352.7	344.0	336.5	326.5	314.1	295.4	275.4	255.5
75°	471.1	477.3	478.6	474.8	463.6	449.9	433.7	412.5	383.9	358.9	335.3
72.5°	606.9	613.2	618.2	613.2	597.0	578.3	554.6	529.7	501.0	467.4	427.5
70°	785.2	791.4	795.1	778.9	750.3	719.1	690.4	661.8	628.1	587.0	543.4
67.5°	1009.5	1003.3	995.8	963.4	927.2	889.9	850.0	807.6	764.0	720.4	669.3
65°	1225.1	1207.7	1191.5	1152.8	1106.7	1058.1	1012.0	964.6	912.3	857.5	808.8
62.5°	1451.9	1414.5	1374.7	1327.3	1279.9	1226.4	1180.2	1124.2	1065.6	998.3	936.0
60°	1675.0	1630.2	1590.3	1531.7	1469.4	1397.1	1347.2	1292.4	1223.9	1151.6	1078.0
57.5°	1890.6	1842.0	1798.4	1747.3	1680.0	1601.5	1546.7	1475.6	1403.3	1312.4	1237.6
55°	2120.0	2071.3	2036.5	1979.1	1905.6	1833.3	1773.5	1698.7	1597.8	1500.5	1408.3
52.5°	2382.9	2344.3	2306.9	2248.3	2159.8	2086.3	2020.2	1936.7	1830.8	1711.2	1600.2
50°	2677.0	2657.1	2617.2	2548.7	2447.7	2382.9	2295.7	2184.8	2071.3	1945.5	1807.1
47.5°	3067.1	3034.7	2978.7	2903.9	2819.1	2721.9	2604.8	2475.1	2314.4	2174.8	2027.7
45°	3533.3	3473.4	3401.1	3300.2	3195.5	3085.8	2957.5	2793.0	2577.3	2395.4	2240.8
42.5°	4038.0	3957.0	3858.5	3726.4	3590.6	3456.0	3317.6	3093.3	2824.1	2614.7	2440.3
40°	4565.2	4461.7	4338.4	4146.4	3995.6	3822.4	3664.1	3328.9	3042.2	2815.4	2629.7
37.5°	5081.2	4950.3	4743.4	4510.4	4334.6	4192.5	3844.8	3485.9	3229.2	2979.9	2791.7
35°	5476.2	5365.3	5000.1	4758.4	4607.6	4383.2	3948.3	3580.6	3308.9	3102.0	2809.2
32.5°	5710.5	5423.9	5103.6	4859.3	4734.7	4367.0	3955.7	3608.0	3346.3	3114.5	2764.3
30°	5658.2	5311.7	5031.3	4826.9	4556.5	4226.2	3886.0	3565.7	3311.4	3031.0	2714.4
27.5°	5342.9	5074.9	4824.4	4611.3	4345.8	4049.2	3735.2	3453.5	3216.7	2945.0	2645.9
25°	4986.4	4743.4	4557.7	4372.0	4120.3	3837.4	3560.7	3357.5	3119.5	2851.5	2556.2
22.5°	4658.7	4484.2	4338.4	4143.9	3898.4	3651.7	3479.7	3269.0	3024.8	2753.1	2463.9
20°	4449.3	4330.9	4163.9	3949.5	3756.3	3601.8	3411.1	3188.0	2936.3	2652.1	2385.4
17.5°	4348.3	4211.2	4025.5	3886.0	3737.6	3568.2	3355.0	3118.2	2850.3	2606.0	2394.1
15°	4296.0	4151.4	4029.3	3892.2	3725.2	3547.0	3310.2	3064.6	2850.3	2624.7	2400.4
12.5°	4307.2	4182.6	4049.2	3899.7	3720.2	3529.5	3315.2	3087.1	2865.2	2638.4	2401.6
10°	4342.1	4211.2	4069.2	3903.4	3722.7	3534.5	3328.9	3100.8	2872.7	2644.6	2399.1
7.5°	4354.6	4212.5	4060.4	3893.4	3716.5	3532.0	3331.4	3104.5	2874.0	2643.4	2391.6
5°	4315.9	4187.6	4040.5	3872.2	3699.0	3519.5	3321.4	3099.5	2864.0	2630.9	2373.0
2.5°	4263.6	4160.1	4019.3	3857.3	3681.6	3502.1	3305.2	3077.1	2841.6	2608.5	2349.3
0°	4254.9	4126.5	3984.4	3839.8	3652.9	3463.5	3267.8	3034.7	2800.4	2566.1	2308.1
-2.5°	4197.5	4061.7	3919.6	3762.6	3598.1	3407.4	3201.7	2973.7	2741.9	2511.3	2263.3
-5°	4153.9	4003.1	3852.3	3682.8	3517.1	3326.4	3113.3	2891.4	2664.6	2440.3	2201.0
-7.5°	4095.3	3940.8	3782.5	3605.5	3426.1	3231.6	3021.0	2799.2	2576.1	2353.0	2123.7
-10°	3976.9	3841.1	3692.8	3509.6	3320.1	3125.7	2916.3	2698.2	2475.1	2249.6	2019.0
-12.5°	3833.6	3690.3	3528.3	3360.0	3190.5	3009.8	2800.4	2586.1	2361.7	2134.9	1905.6
-15°	3647.9	3507.1	3341.3	3176.8	3013.5	2840.3	2655.9	2462.7	2234.6	2011.5	1782.2
-17.5°	3416.1	3284.0	3135.7	2978.7	2816.6	2642.2	2462.7	2299.4	2086.3	1876.9	1650.1
-20°	3166.8	3043.5	2910.1	2761.8	2599.8	2429.0	2259.5	2088.8	1904.3	1719.9	1509.3



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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°	2907.6	2783.0	2648.4	2510.0	2360.5	2202.2	2045.2	1881.9	1719.9	1552.9	1374.7
-25°	2608.5	2498.8	2375.4	2240.8	2107.5	1969.2	1819.6	1671.3	1532.9	1388.4	1242.6
-27.5°	2295.7	2194.7	2082.6	1965.4	1850.8	1734.8	1605.2	1468.1	1353.5	1233.8	1112.9
-30°	1966.7	1885.6	1794.7	1692.5	1604.0	1510.5	1402.1	1288.7	1184.0	1093.0	995.8
-32.5°	1655.1	1586.5	1521.7	1454.4	1367.2	1294.9	1220.1	1136.6	1044.4	958.4	888.6
-35°	1387.1	1313.6	1286.2	1236.3	1174.0	1110.5	1055.6	995.8	926.0	850.0	792.6
-37.5°	1161.5	1117.9	1079.3	1051.9	1010.7	959.6	916.0	872.4	818.8	761.5	704.2
-40°	985.8	955.9	913.5	899.8	873.7	838.8	793.9	760.2	724.1	680.5	631.9
-42.5°	845.0	822.6	795.1	771.5	760.2	735.3	700.4	668.0	639.4	609.4	572.1
-45°	729.1	714.1	696.7	675.5	666.8	646.8	621.9	585.8	569.6	544.6	517.2
-47.5°	635.6	628.1	615.7	602.0	589.5	574.5	552.1	529.7	507.2	491.0	469.9
-50°	562.1	557.1	549.6	538.4	522.2	512.2	497.3	477.3	456.1	442.4	427.5
-52.5°	503.5	498.5	493.5	484.8	472.3	462.4	449.9	433.7	416.3	402.6	390.1
-55°	458.6	451.2	447.4	439.9	430.0	418.8	407.5	396.3	381.4	368.9	356.4
-57.5°	423.7	413.8	408.8	402.6	392.6	381.4	372.6	361.4	351.5	337.7	326.5
-60°	396.3	385.1	375.1	368.9	360.2	349.0	340.2	331.5	321.5	310.3	296.6
-62.5°	373.9	360.2	346.5	339.0	330.3	320.3	311.6	302.9	292.9	281.7	269.2
-65°	352.7	336.5	319.1	311.6	302.9	292.9	281.7	275.4	266.7	256.7	244.3
-67.5°	326.5	309.1	294.1	285.4	276.7	268.0	258.0	251.8	243.0	230.6	218.1
-70°	287.9	276.7	266.7	259.2	251.8	244.3	234.3	224.3	214.4	203.1	191.9
-72.5°	239.3	235.6	234.3	230.6	221.8	213.1	203.1	193.2	184.5	175.7	167.0
-75°	193.2	195.7	198.2	196.9	188.2	179.5	170.7	162.0	155.8	148.3	140.8
-77.5°	153.3	155.8	158.3	158.3	152.0	147.1	140.8	134.6	129.6	123.4	115.9
-80°	118.4	122.1	125.9	128.4	123.4	119.6	114.7	109.7	104.7	99.7	94.7
-82.5°	89.7	93.5	97.2	99.7	96.0	93.5	89.7	86.0	82.3	77.3	73.5
-85°	64.8	67.3	69.8	71.0	68.5	66.1	63.6	61.1	58.6	54.8	52.3
-87.5°	37.4	38.6	39.9	41.1	38.6	36.1	34.9	32.4	31.2	28.7	27.4
-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	24.9	22.4	18.7	16.2	13.7	11.2	8.7	7.5
85°	66.1	59.8	52.3	48.6	43.6	38.6	33.7	28.7	23.7	18.7	13.7
82.5°	113.4	105.9	98.5	89.7	78.5	64.8	51.1	42.4	34.9	27.4	21.2
80°	170.7	157.0	144.6	133.4	120.9	103.4	84.7	67.3	47.4	36.1	27.4
77.5°	236.8	220.6	203.1	184.5	164.5	140.8	119.6	97.2	73.5	49.9	34.9
75°	311.6	290.4	266.7	240.5	214.4	183.2	153.3	127.1	99.7	69.8	42.4
72.5°	395.1	368.9	340.2	305.3	264.2	228.1	191.9	157.0	124.6	88.5	57.3
70°	502.3	461.1	418.8	381.4	329.0	271.7	229.3	189.4	148.3	108.4	72.3
67.5°	616.9	567.1	516.0	461.1	395.1	327.8	266.7	221.8	173.2	127.1	86.0
65°	741.5	679.2	614.4	553.4	462.4	382.6	314.1	253.0	196.9	144.6	99.7
62.5°	869.9	796.4	721.6	641.8	537.2	438.7	358.9	287.9	219.3	160.8	112.2
60°	1007.0	921.0	830.0	730.3	608.2	499.8	401.3	324.0	243.0	177.0	125.9
57.5°	1151.6	1058.1	950.9	816.3	681.7	558.3	449.9	356.4	264.2	191.9	135.8
55°	1308.6	1201.4	1084.3	906.1	754.0	616.9	498.5	388.8	286.6	204.4	145.8
52.5°	1478.1	1353.5	1205.2	1000.8	830.0	676.7	543.4	417.5	307.8	218.1	154.5
50°	1667.5	1510.5	1311.1	1088.0	896.1	732.8	588.3	448.7	325.3	233.1	162.0
47.5°	1864.5	1695.0	1405.8	1169.0	963.4	787.7	634.4	476.1	342.7	245.5	169.5
45°	2070.1	1823.3	1504.3	1241.3	1022.0	837.5	669.3	501.0	363.9	256.7	175.7
42.5°	2273.2	1920.5	1590.3	1313.6	1076.8	882.4	697.9	524.7	381.4	268.0	182.0
40°	2369.2	1994.1	1658.8	1363.4	1122.9	922.3	722.9	545.9	396.3	275.4	188.2
37.5°	2409.1	2038.9	1703.7	1410.8	1159.1	943.4	744.0	564.6	408.8	282.9	193.2
35°	2417.8	2055.1	1726.1	1443.2	1189.0	963.4	760.2	578.3	418.8	290.4	198.2
32.5°	2401.6	2050.2	1732.4	1454.4	1207.7	978.3	771.5	588.3	426.2	297.9	203.1
30°	2365.5	2024.0	1709.9	1453.2	1221.4	987.1	778.9	595.7	433.7	302.9	205.6
27.5°	2306.9	1977.9	1681.3	1454.4	1228.8	990.8	782.7	599.5	438.7	306.6	210.6
25°	2234.6	1915.6	1682.5	1451.9	1230.1	992.1	782.7	599.5	439.9	307.8	214.4
22.5°	2151.1	1915.6	1682.5	1448.2	1222.6	989.6	778.9	597.0	439.9	310.3	218.1
20°	2156.1	1916.8	1678.8	1440.7	1211.4	982.1	770.2	590.7	436.2	314.1	220.6
17.5°	2159.8	1914.3	1671.3	1430.7	1196.4	969.6	759.0	582.0	436.2	317.8	221.8
15°	2159.8	1906.8	1660.1	1415.8	1177.8	952.2	742.8	574.5	437.5	319.1	224.3
12.5°	2156.1	1893.1	1642.6	1395.9	1155.3	931.0	732.8	572.1	437.5	320.3	224.3
10°	2148.6	1874.4	1620.2	1370.9	1134.1	923.5	727.8	567.1	435.0	320.3	224.3
7.5°	2134.9	1852.0	1601.5	1356.0	1121.7	914.8	720.4	559.6	431.2	317.8	226.8
5°	2113.7	1839.5	1586.5	1338.5	1104.2	908.6	715.4	553.4	428.7	317.8	224.3
2.5°	2086.3	1824.6	1569.1	1316.1	1084.3	887.4	699.2	539.6	420.0	312.8	221.8
0°	2041.4	1794.7	1539.2	1284.9	1056.9	866.2	683.0	525.9	411.3	307.8	219.3
-2.5°	2000.3	1754.8	1500.5	1252.5	1030.7	847.5	670.5	518.5	407.5	306.6	218.1
-5°	1943.0	1699.9	1449.4	1210.2	995.8	828.8	658.0	509.7	403.8	304.1	218.1
-7.5°	1879.4	1642.6	1395.9	1166.5	960.9	796.4	634.4	496.0	395.1	299.1	216.9
-10°	1781.0	1556.6	1328.6	1116.7	923.5	767.7	614.4	483.6	387.6	294.1	211.9
-12.5°	1676.3	1461.9	1251.3	1055.6	881.1	737.8	592.0	469.9	378.9	289.1	209.4
-15°	1565.3	1364.7	1170.3	992.1	835.0	701.7	568.3	454.9	370.2	282.9	205.6
-17.5°	1449.4	1262.5	1086.8	927.2	788.9	664.3	543.4	441.2	360.2	276.7	201.9
-20°	1327.3	1157.8	1002.0	861.2	740.3	626.9	517.2	425.0	349.0	269.2	196.9



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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°	1206.4	1054.4	914.8	796.4	690.4	588.3	491.0	408.8	336.5	260.5	193.2
-25°	1099.2	957.2	837.5	734.1	641.8	550.9	463.6	392.6	322.8	251.8	188.2
-27.5°	994.5	873.7	761.5	675.5	594.5	514.7	437.5	375.1	309.1	241.8	183.2
-30°	897.3	793.9	701.7	618.2	549.6	482.3	415.0	357.7	294.1	231.8	177.0
-32.5°	808.8	725.3	648.1	568.3	507.2	449.9	393.8	340.2	279.2	221.8	170.7
-35°	726.6	661.8	594.5	527.2	464.9	420.0	371.4	321.5	265.5	210.6	164.5
-37.5°	653.1	600.7	547.1	489.8	436.2	391.3	350.2	302.9	251.8	200.7	158.3
-40°	589.5	547.1	499.8	453.7	408.8	366.4	329.0	284.2	238.0	193.2	152.0
-42.5°	530.9	498.5	459.9	421.2	381.4	344.0	307.8	264.2	224.3	184.5	145.8
-45°	486.1	453.7	422.5	387.6	353.9	321.5	285.4	246.8	211.9	174.5	139.6
-47.5°	443.7	415.0	386.4	357.7	330.3	300.4	264.2	231.8	198.2	165.8	134.6
-50°	406.3	378.9	353.9	329.0	305.3	276.7	243.0	216.9	186.9	157.0	128.4
-52.5°	371.4	347.7	322.8	302.9	282.9	254.2	226.8	201.9	175.7	147.1	122.1
-55°	340.2	317.8	295.4	276.7	258.0	233.1	210.6	189.4	164.5	139.6	115.9
-57.5°	310.3	291.6	270.4	253.0	234.3	214.4	195.7	175.7	153.3	132.1	109.7
-60°	282.9	265.5	246.8	229.3	213.1	196.9	179.5	163.3	143.3	123.4	103.4
-62.5°	255.5	240.5	224.3	206.9	194.4	179.5	165.8	149.6	133.4	115.9	92.2
-65°	230.6	216.9	201.9	186.9	175.7	164.5	152.0	137.1	123.4	107.2	82.3
-67.5°	205.6	193.2	180.7	168.3	158.3	149.6	137.1	125.9	114.7	97.2	72.3
-70°	182.0	172.0	160.8	150.8	143.3	133.4	124.6	114.7	104.7	84.7	61.1
-72.5°	159.5	149.6	140.8	133.4	127.1	118.4	110.9	103.4	89.7	71.0	51.1
-75°	133.4	127.1	122.1	115.9	109.7	103.4	97.2	88.5	74.8	57.3	39.9
-77.5°	109.7	105.9	102.2	97.2	92.2	87.2	79.8	71.0	59.8	44.9	32.4
-80°	89.7	86.0	83.5	78.5	74.8	69.8	62.3	54.8	43.6	34.9	26.2
-82.5°	68.5	66.1	63.6	61.1	57.3	52.3	44.9	38.6	32.4	26.2	19.9
-85°	48.6	47.4	44.9	42.4	38.6	34.9	29.9	26.2	22.4	17.4	13.7
-87.5°	24.9	23.7	22.4	21.2	19.9	17.4	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°	19.9	12.5	6.2	0.0
77.5°	24.9	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	24.9	11.2	0.0
67.5°	49.9	27.4	12.5	0.0
65°	58.6	29.9	13.7	0.0
62.5°	68.5	32.4	15.0	0.0
60°	77.3	34.9	16.2	0.0
57.5°	86.0	41.1	17.4	0.0
55°	93.5	46.1	18.7	0.0
52.5°	102.2	51.1	19.9	0.0
50°	109.7	56.1	21.2	0.0
47.5°	115.9	61.1	21.2	0.0
45°	120.9	64.8	22.4	0.0
42.5°	124.6	68.5	23.7	0.0
40°	128.4	72.3	24.9	0.0
37.5°	132.1	76.0	24.9	0.0
35°	135.8	79.8	26.2	0.0
32.5°	139.6	83.5	26.2	0.0
30°	142.1	86.0	27.4	0.0
27.5°	145.8	88.5	27.4	0.0
25°	147.1	91.0	28.7	0.0
22.5°	149.6	92.2	28.7	0.0
20°	152.0	94.7	28.7	0.0
17.5°	153.3	96.0	29.9	0.0
15°	153.3	97.2	31.2	0.0
12.5°	154.5	98.5	31.2	0.0
10°	154.5	101.0	29.9	0.0
7.5°	157.0	99.7	29.9	0.0
5°	155.8	99.7	29.9	0.0
2.5°	154.5	98.5	29.9	0.0
0°	153.3	98.5	29.9	0.0
-2.5°	153.3	98.5	29.9	0.0
-5°	153.3	98.5	29.9	0.0
-7.5°	152.0	99.7	29.9	0.0
-10°	149.6	99.7	29.9	0.0
-12.5°	148.3	96.0	29.9	0.0
-15°	147.1	94.7	29.9	0.0
-17.5°	144.6	93.5	28.7	0.0
-20°	142.1	92.2	28.7	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	139.6	89.7	28.7	0.0
-25°	137.1	87.2	27.4	0.0
-27.5°	134.6	84.7	27.4	0.0
-30°	130.9	82.3	26.2	0.0
-32.5°	127.1	79.8	26.2	0.0
-35°	124.6	76.0	24.9	0.0
-37.5°	120.9	72.3	24.9	0.0
-40°	117.2	68.5	23.7	0.0
-42.5°	113.4	64.8	22.4	0.0
-45°	108.4	61.1	22.4	0.0
-47.5°	104.7	57.3	21.2	0.0
-50°	98.5	52.3	19.9	0.0
-52.5°	91.0	47.4	18.7	0.0
-55°	83.5	43.6	17.4	0.0
-57.5°	76.0	38.6	17.4	0.0
-60°	68.5	33.7	16.2	0.0
-62.5°	61.1	31.2	15.0	0.0
-65°	53.6	28.7	13.7	0.0
-67.5°	44.9	24.9	12.5	0.0
-70°	37.4	22.4	11.2	0.0
-72.5°	32.4	19.9	10.0	0.0
-75°	27.4	17.4	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)