

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: P722018

Luminaire Tested: **IFLD-S-SA2B-730-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722018
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-730-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

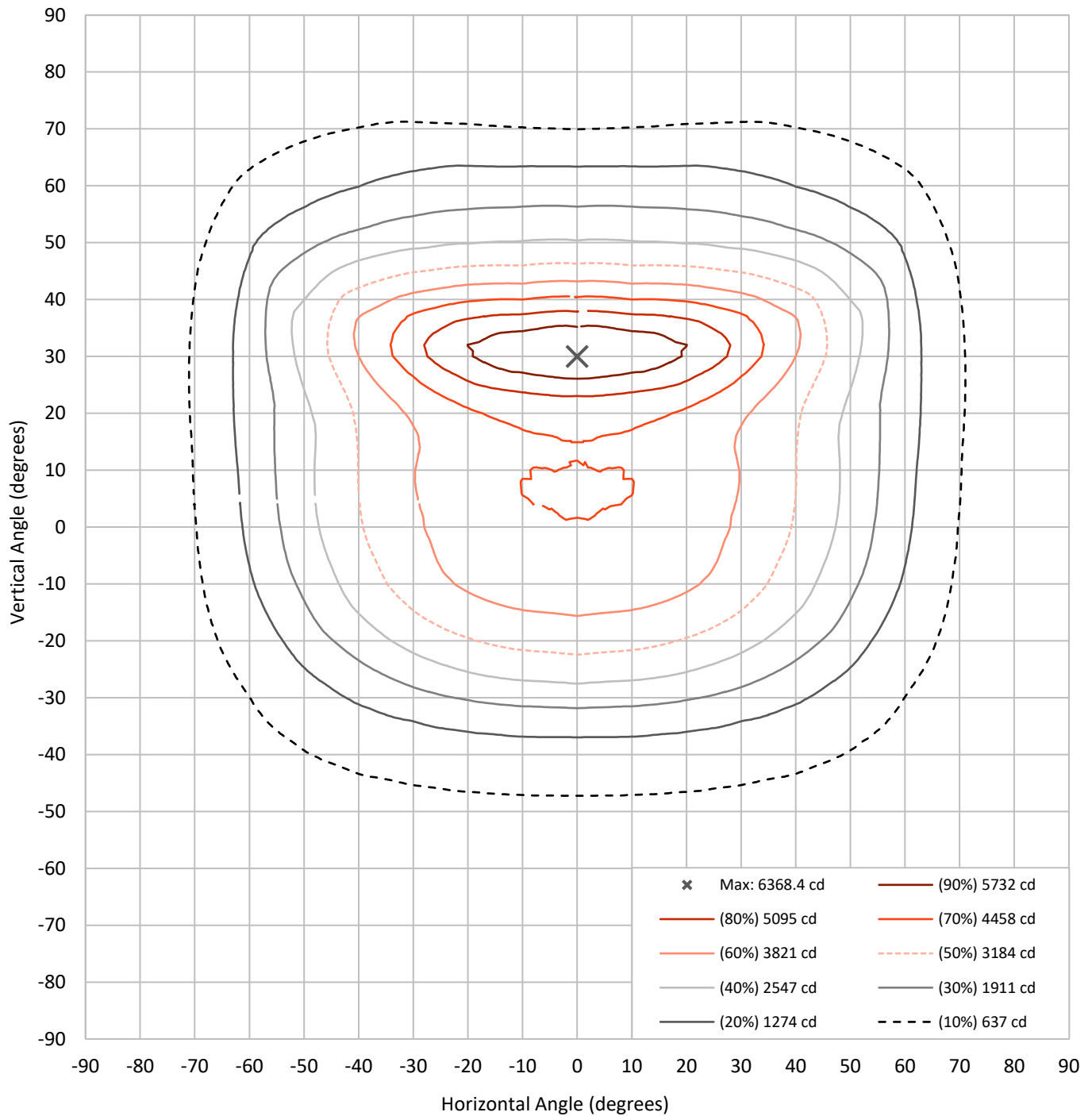
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	10630.4 lumens	Max Intensity:	6368.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	129.0 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6181.7 lumens	Field Lumens:	9962.1 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 82.4
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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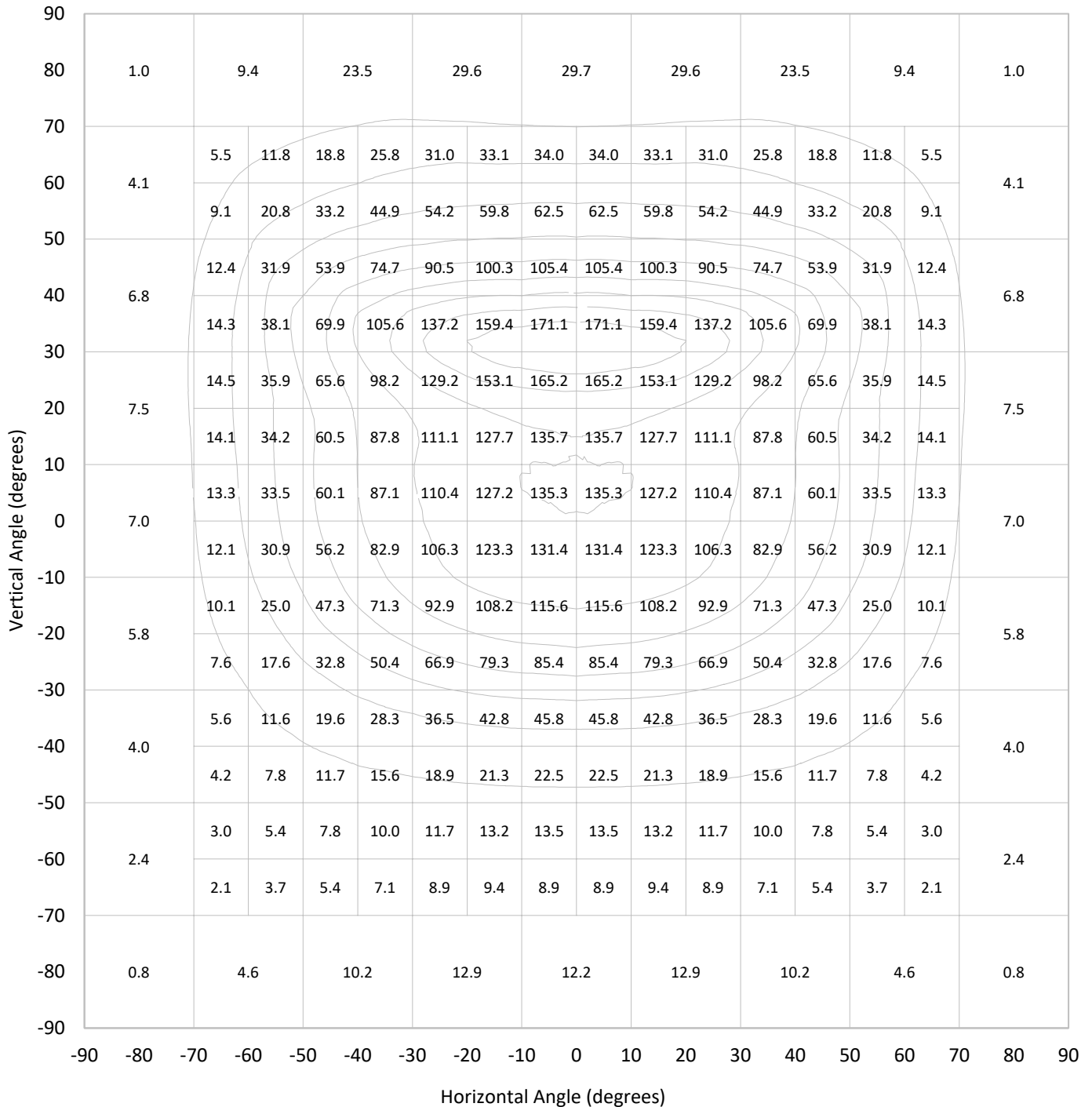
Iso-Candela Plot





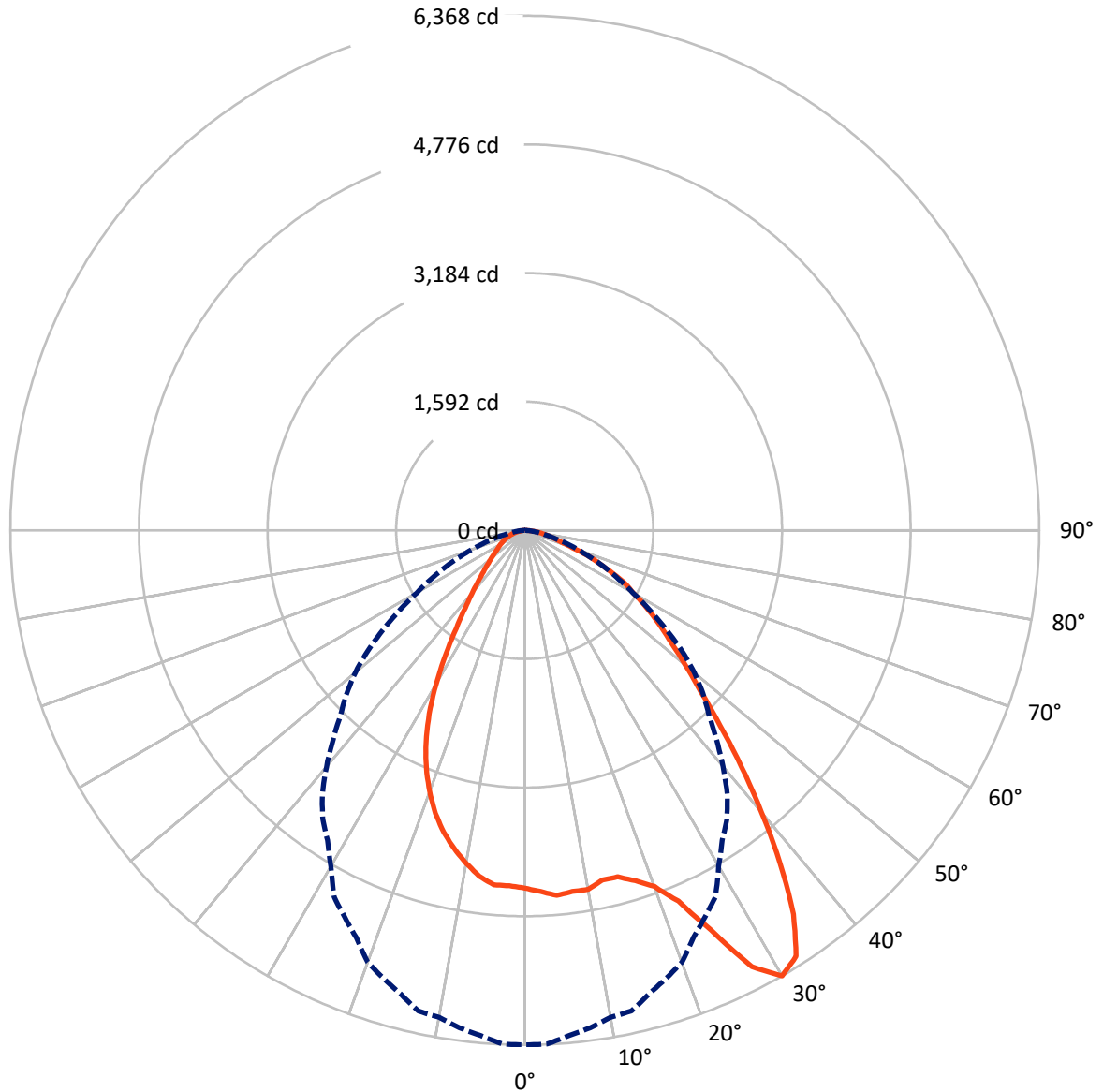
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Lumen Table



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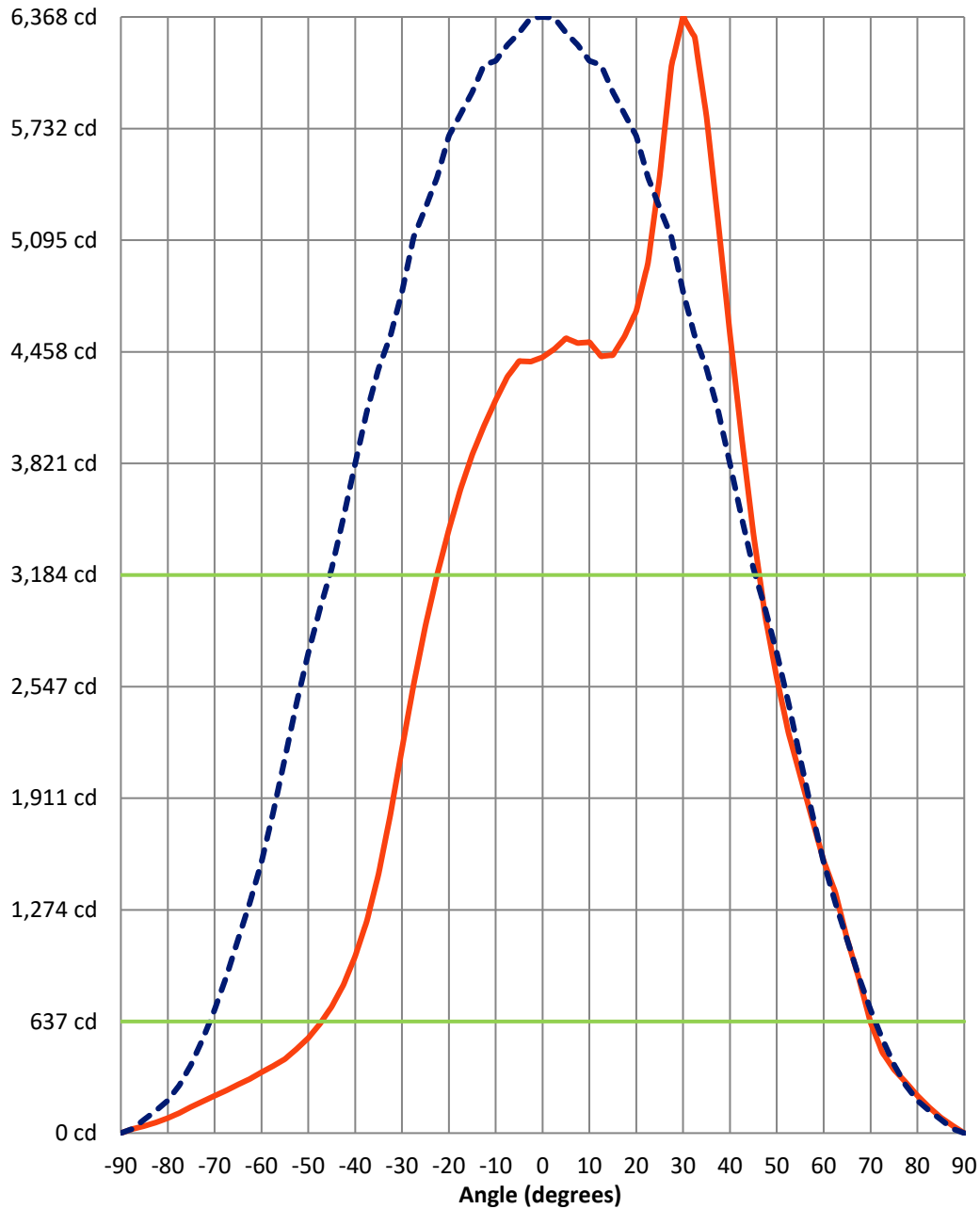
Luminous Intensity Polar Plot



— 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: 6181.7
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 9962.1
 Efficiency: 93.7%

Spill:
 Lumens: 668.3
 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°	42.8	43.9	45.0	45.0	43.9	43.9	43.9	42.8	43.9	43.9	43.9
85°	89.0	91.2	93.5	92.3	91.2	89.0	86.7	87.8	89.0	90.1	90.1
82.5°	147.5	150.9	153.2	152.0	149.8	147.5	145.3	146.4	148.7	149.8	149.8
80°	214.0	215.1	216.2	218.5	215.1	215.1	214.0	218.5	220.7	223.0	225.2
77.5°	290.5	291.7	291.7	292.8	293.9	295.1	295.1	302.9	308.6	311.9	315.3
75°	362.6	366.0	369.4	372.8	377.3	379.5	382.9	394.2	403.2	409.9	416.7
72.5°	461.7	466.2	471.9	479.7	487.6	493.3	501.1	514.7	524.8	531.5	539.4
70°	631.8	636.3	641.9	647.5	655.4	661.1	668.9	685.8	696.0	700.5	705.0
67.5°	884.0	895.3	905.4	894.2	888.5	880.7	882.9	898.7	908.8	915.6	914.4
65°	1108.1	1116.0	1116.0	1114.9	1110.4	1100.2	1105.9	1125.0	1136.3	1141.9	1125.0
62.5°	1371.7	1371.7	1366.0	1375.0	1376.2	1369.4	1366.0	1367.1	1368.3	1371.7	1343.5
60°	1554.1	1565.4	1568.7	1576.6	1578.9	1578.9	1584.5	1589.0	1589.0	1582.2	1549.6
57.5°	1795.1	1816.5	1821.0	1815.4	1804.1	1789.5	1787.2	1780.4	1766.9	1753.4	1737.7
55°	2038.3	2049.6	2048.5	2045.1	2033.8	2016.9	2019.2	2010.2	1988.8	1971.9	1950.5
52.5°	2282.7	2309.7	2314.2	2307.5	2291.7	2273.7	2274.8	2264.7	2243.3	2225.3	2196.0
50°	2594.7	2617.2	2614.9	2603.7	2581.1	2567.6	2568.8	2549.6	2524.8	2519.2	2480.9
47.5°	2951.6	2977.5	2973.0	2957.3	2926.9	2921.2	2926.9	2902.1	2887.5	2875.1	2830.0
45°	3420.1	3450.5	3433.6	3403.2	3354.8	3360.4	3368.3	3363.8	3332.3	3299.6	3242.2
42.5°	3969.7	3988.8	3968.6	3938.2	3877.3	3888.6	3884.1	3857.1	3837.9	3783.9	3710.7
40°	4557.5	4599.2	4567.7	4520.4	4457.3	4474.2	4461.8	4426.9	4381.9	4314.3	4221.9
37.5°	5191.6	5224.2	5188.2	5133.0	5076.7	5071.1	5046.3	4992.2	4928.0	4853.7	4706.2
35°	5798.6	5883.0	5816.6	5728.7	5660.0	5634.1	5610.5	5485.5	5412.3	5291.8	5090.2
32.5°	6250.1	6312.1	6229.9	6138.7	6055.3	6019.3	5935.9	5787.3	5747.9	5494.5	5309.8
30°	6368.4	6363.9	6278.3	6208.5	6118.4	6093.6	5940.4	5814.3	5688.2	5454.0	5278.3
27.5°	6086.8	6058.7	5976.5	5915.7	5826.7	5797.4	5646.5	5579.0	5384.1	5185.9	5037.3
25°	5459.6	5474.2	5412.3	5381.9	5323.3	5260.3	5200.6	5109.3	4987.7	4814.3	4678.0
22.5°	4965.2	4984.3	4958.4	4922.4	4877.4	4842.5	4797.4	4726.5	4609.3	4502.4	4374.0
20°	4690.4	4684.8	4662.3	4635.2	4592.4	4567.7	4518.1	4458.4	4368.3	4276.0	4137.5
17.5°	4546.3	4511.4	4490.0	4479.8	4457.3	4425.8	4367.2	4306.4	4236.6	4131.8	4030.5
15°	4439.3	4444.9	4428.0	4420.1	4402.1	4358.2	4298.5	4249.0	4154.4	4101.4	4009.1
12.5°	4432.5	4426.9	4428.0	4424.6	4402.1	4345.8	4315.4	4252.3	4191.5	4121.7	4015.9
10°	4512.5	4452.8	4457.3	4473.1	4437.0	4392.0	4359.3	4290.6	4233.2	4144.2	4039.5
7.5°	4508.0	4477.6	4486.6	4460.7	4471.9	4416.8	4371.7	4303.0	4231.0	4136.4	4041.8
5°	4535.0	4488.8	4481.0	4483.2	4455.1	4413.4	4352.6	4287.3	4219.7	4113.8	4017.0
2.5°	4473.1	4479.8	4443.8	4430.3	4426.9	4357.1	4300.8	4237.7	4167.9	4074.4	3987.7
0°	4426.9	4439.3	4402.1	4383.0	4381.9	4322.2	4286.1	4214.1	4164.5	4086.8	3982.1
-2.5°	4402.1	4416.8	4421.3	4386.4	4352.6	4306.4	4245.6	4167.9	4086.8	3996.7	3906.6
-5°	4404.4	4375.1	4362.7	4374.0	4344.7	4298.5	4231.0	4162.3	4082.3	3985.4	3872.8
-7.5°	4315.4	4286.1	4283.9	4278.2	4271.5	4227.6	4171.3	4096.9	4015.9	3925.8	3821.0
-10°	4182.5	4161.1	4155.5	4149.9	4131.8	4105.9	4053.0	3985.4	3912.2	3822.2	3710.7
-12.5°	4035.0	4024.9	4003.5	3988.8	3970.8	3940.4	3889.7	3827.8	3754.6	3674.6	3578.9
-15°	3871.7	3852.6	3831.2	3818.8	3792.9	3756.8	3706.2	3648.7	3568.8	3489.9	3399.9
-17.5°	3674.6	3651.0	3627.3	3624.0	3605.9	3550.8	3503.5	3433.6	3363.8	3288.4	3200.5
-20°	3442.6	3410.0	3394.2	3385.2	3360.4	3319.9	3269.2	3205.0	3137.5	3065.4	2964.0



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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°	3185.9	3157.7	3130.7	3113.8	3092.4	3060.9	3012.5	2956.1	2889.7	2808.6	2715.2
-25°	2894.2	2854.8	2837.9	2818.8	2807.5	2778.2	2730.9	2679.1	2610.4	2531.6	2442.6
-27.5°	2560.9	2529.3	2520.3	2493.3	2479.8	2449.4	2410.0	2361.5	2298.5	2224.1	2150.9
-30°	2192.6	2173.5	2158.8	2131.8	2121.7	2089.0	2063.1	2022.6	1965.1	1912.2	1853.6
-32.5°	1814.2	1795.1	1790.6	1778.2	1771.4	1750.0	1720.8	1691.5	1645.3	1605.9	1558.6
-35°	1478.6	1465.1	1466.2	1465.1	1458.4	1442.6	1406.6	1398.7	1364.9	1328.9	1298.5
-37.5°	1210.6	1211.7	1210.6	1209.5	1200.5	1193.7	1167.8	1157.7	1137.4	1102.5	1084.5
-40°	1009.0	1011.3	1010.2	1007.9	997.8	994.4	977.5	964.0	956.1	931.3	912.2
-42.5°	845.7	849.1	848.0	846.9	840.1	839.0	830.0	814.2	809.7	795.1	774.8
-45°	721.9	720.7	718.5	720.7	717.4	714.0	708.3	698.2	692.6	685.8	668.9
-47.5°	623.9	625.0	622.8	622.8	618.3	614.9	612.6	605.9	601.4	595.7	585.6
-50°	542.8	547.3	546.2	545.1	541.7	539.4	539.4	532.7	525.9	523.7	516.9
-52.5°	479.7	483.1	484.2	486.5	487.6	488.7	485.4	478.6	467.4	466.2	462.8
-55°	422.3	432.4	439.2	443.7	448.2	451.6	444.8	435.8	424.6	420.1	418.9
-57.5°	382.9	393.0	400.9	407.7	413.3	418.9	412.2	403.2	393.0	387.4	386.3
-60°	346.9	355.9	363.7	372.8	380.6	389.6	386.3	379.5	373.9	369.4	364.9
-62.5°	308.6	317.6	326.6	337.8	348.0	357.0	358.1	357.0	355.9	357.0	349.1
-65°	277.0	281.5	287.2	299.6	310.8	321.0	326.6	330.0	335.6	341.2	333.3
-67.5°	243.2	248.9	255.6	264.6	273.7	280.4	288.3	297.3	306.3	315.3	309.7
-70°	212.8	217.3	223.0	227.5	233.1	237.6	244.4	254.5	264.6	273.7	271.4
-72.5°	181.3	185.8	189.2	191.4	194.8	197.1	200.5	209.5	216.2	220.7	220.7
-75°	149.8	154.3	157.7	158.8	161.0	162.2	164.4	167.8	171.2	172.3	173.4
-77.5°	114.9	119.4	122.8	125.0	127.3	129.5	130.6	132.9	134.0	134.0	135.1
-80°	85.6	89.0	91.2	94.6	95.7	98.0	100.2	101.4	102.5	102.5	103.6
-82.5°	60.8	63.1	65.3	67.6	69.8	70.9	73.2	74.3	75.5	76.6	77.7
-85°	40.5	42.8	45.0	47.3	48.4	49.6	50.7	51.8	52.9	54.1	55.2
-87.5°	23.6	24.8	25.9	28.2	29.3	31.5	32.7	31.5	32.7	32.7	32.7
-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):

	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°	43.9	43.9	43.9	43.9	42.8	40.5	39.4	37.2	34.9	32.7	30.4
85°	91.2	92.3	92.3	92.3	90.1	89.0	85.6	82.2	77.7	70.9	65.3
82.5°	152.0	153.2	153.2	152.0	149.8	146.4	141.9	136.3	127.3	118.2	110.4
80°	228.6	229.7	229.7	228.6	223.0	217.3	211.7	205.0	193.7	181.3	167.8
77.5°	319.8	322.1	322.1	318.7	310.8	304.1	295.1	283.8	266.9	248.9	230.9
75°	425.7	431.3	432.4	429.1	418.9	406.5	391.9	372.8	346.9	324.3	302.9
72.5°	548.4	554.1	558.6	554.1	539.4	522.5	501.1	478.6	452.7	422.3	386.3
70°	709.5	715.1	718.5	703.8	677.9	649.8	623.9	598.0	567.6	530.4	491.0
67.5°	912.2	906.6	899.8	870.5	837.9	804.1	768.0	729.7	690.3	650.9	604.7
65°	1107.0	1091.2	1076.6	1041.7	1000.0	956.1	914.4	871.6	824.3	774.8	730.9
62.5°	1312.0	1278.2	1242.1	1199.4	1156.6	1108.1	1066.5	1015.8	962.9	902.0	845.7
60°	1513.5	1473.0	1437.0	1384.0	1327.7	1262.4	1217.4	1167.8	1105.9	1040.6	974.1
57.5°	1708.4	1664.5	1625.0	1578.9	1518.1	1447.1	1397.6	1333.4	1268.0	1185.8	1118.3
55°	1915.6	1871.7	1840.1	1788.3	1721.9	1656.6	1602.5	1534.9	1443.7	1355.9	1272.6
52.5°	2153.2	2118.3	2084.5	2031.6	1951.6	1885.2	1825.5	1750.0	1654.3	1546.2	1446.0
50°	2419.0	2401.0	2364.9	2303.0	2211.8	2153.2	2074.4	1974.1	1871.7	1757.9	1632.9
47.5°	2771.5	2742.2	2691.5	2623.9	2547.4	2459.5	2353.7	2236.5	2091.3	1965.1	1832.2
45°	3192.6	3138.6	3073.3	2982.0	2887.5	2788.4	2672.4	2523.7	2328.9	2164.5	2024.8
42.5°	3648.7	3575.5	3486.6	3367.2	3244.4	3122.8	2997.8	2795.1	2551.9	2362.7	2205.0
40°	4125.1	4031.6	3920.1	3746.7	3610.4	3453.9	3310.9	3007.9	2748.9	2544.0	2376.2
37.5°	4591.3	4473.1	4286.1	4075.5	3916.8	3788.4	3474.2	3149.8	2917.9	2692.6	2522.6
35°	4948.3	4848.1	4518.1	4299.6	4163.4	3960.7	3567.6	3235.4	2989.9	2803.0	2538.3
32.5°	5160.0	4901.0	4611.6	4390.9	4278.2	3946.0	3574.4	3260.2	3023.7	2814.3	2497.8
30°	5112.7	4799.7	4546.3	4361.6	4117.2	3818.8	3511.3	3221.9	2992.2	2738.8	2452.8
27.5°	4827.8	4585.7	4359.3	4166.8	3926.9	3658.9	3375.1	3120.6	2906.6	2661.1	2390.8
25°	4505.7	4286.1	4118.3	3950.5	3723.1	3467.4	3217.4	3033.9	2818.8	2576.6	2309.7
22.5°	4209.6	4051.9	3920.1	3744.5	3522.6	3299.6	3144.2	2953.9	2733.2	2487.7	2226.4
20°	4020.4	3913.4	3762.5	3568.8	3394.2	3254.6	3082.3	2880.7	2653.2	2396.4	2155.5
17.5°	3929.1	3805.3	3637.5	3511.3	3377.3	3224.2	3031.6	2817.6	2575.5	2354.8	2163.3
15°	3881.8	3751.2	3640.8	3517.0	3366.1	3205.0	2991.1	2769.2	2575.5	2371.7	2169.0
12.5°	3892.0	3779.4	3658.9	3523.7	3361.6	3189.3	2995.6	2789.5	2589.0	2384.1	2170.1
10°	3923.5	3805.3	3676.9	3527.1	3363.8	3193.8	3007.9	2801.9	2595.8	2389.7	2167.8
7.5°	3934.8	3806.4	3669.0	3518.1	3358.2	3191.5	3010.2	2805.2	2596.9	2388.6	2161.1
5°	3899.9	3783.9	3651.0	3499.0	3342.4	3180.3	3001.2	2800.7	2587.9	2377.3	2144.2
2.5°	3852.6	3759.1	3631.8	3485.4	3326.7	3164.5	2986.6	2780.5	2567.6	2357.0	2122.8
0°	3844.7	3728.7	3600.3	3469.7	3300.7	3129.6	2952.8	2742.2	2530.5	2318.7	2085.6
-2.5°	3792.9	3670.1	3541.7	3399.9	3251.2	3078.9	2893.1	2687.0	2477.5	2269.2	2045.1
-5°	3753.5	3617.2	3480.9	3327.8	3178.0	3005.7	2813.1	2612.7	2407.7	2205.0	1988.8
-7.5°	3700.5	3560.9	3417.9	3258.0	3095.8	2920.1	2729.8	2529.3	2327.8	2126.2	1919.0
-10°	3593.5	3470.8	3336.8	3171.2	3000.1	2824.4	2635.2	2438.1	2236.5	2032.7	1824.4
-12.5°	3464.0	3334.5	3188.1	3036.1	2882.9	2719.7	2530.5	2336.8	2134.1	1929.1	1721.9
-15°	3296.2	3169.0	3019.2	2870.6	2723.0	2566.5	2399.8	2225.3	2019.2	1817.6	1610.4
-17.5°	3086.8	2967.4	2833.4	2691.5	2545.1	2387.4	2225.3	2077.7	1885.2	1696.0	1491.0
-20°	2861.6	2750.1	2629.6	2495.6	2349.2	2194.9	2041.7	1887.4	1720.8	1554.1	1363.8



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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°	2627.3	2514.7	2393.1	2268.1	2132.9	1989.9	1848.0	1700.5	1554.1	1403.2	1242.1
-25°	2357.0	2257.9	2146.4	2024.8	1904.3	1779.3	1644.2	1510.2	1385.2	1254.5	1122.8
-27.5°	2074.4	1983.2	1881.8	1775.9	1672.3	1567.6	1450.5	1326.6	1223.0	1114.9	1005.7
-30°	1777.1	1703.9	1621.7	1529.3	1449.4	1364.9	1266.9	1164.4	1069.8	987.6	899.8
-32.5°	1495.5	1433.6	1375.0	1314.2	1235.4	1170.1	1102.5	1027.0	943.7	866.0	802.9
-35°	1253.4	1187.0	1162.2	1117.1	1060.8	1003.4	953.9	899.8	836.7	768.0	716.2
-37.5°	1049.6	1010.2	975.2	950.5	913.3	867.1	827.7	788.3	739.9	688.1	636.3
-40°	890.8	863.8	825.5	813.1	789.4	757.9	717.4	687.0	654.3	614.9	571.0
-42.5°	763.5	743.3	718.5	697.1	687.0	664.4	632.9	603.6	577.7	550.7	516.9
-45°	658.8	645.3	629.5	610.4	602.5	584.5	561.9	529.3	514.7	492.1	467.4
-47.5°	574.3	567.6	556.3	543.9	532.7	519.2	498.9	478.6	458.3	443.7	424.6
-50°	507.9	503.4	496.6	486.5	471.9	462.8	449.3	431.3	412.2	399.8	386.3
-52.5°	455.0	450.5	446.0	438.1	426.8	417.8	406.5	391.9	376.1	363.7	352.5
-55°	414.4	407.7	404.3	397.5	388.5	378.4	368.3	358.1	344.6	333.3	322.1
-57.5°	382.9	373.9	369.4	363.7	354.7	344.6	336.7	326.6	317.6	305.2	295.1
-60°	358.1	348.0	339.0	333.3	325.5	315.3	307.4	299.6	290.5	280.4	268.0
-62.5°	337.8	325.5	313.1	306.3	298.4	289.4	281.5	273.7	264.6	254.5	243.2
-65°	318.7	304.1	288.3	281.5	273.7	264.6	254.5	248.9	241.0	232.0	220.7
-67.5°	295.1	279.3	265.8	257.9	250.0	242.1	233.1	227.5	219.6	208.3	197.1
-70°	260.1	250.0	241.0	234.2	227.5	220.7	211.7	202.7	193.7	183.6	173.4
-72.5°	216.2	212.8	211.7	208.3	200.5	192.6	183.6	174.6	166.7	158.8	150.9
-75°	174.6	176.8	179.1	177.9	170.0	162.2	154.3	146.4	140.8	134.0	127.3
-77.5°	138.5	140.8	143.0	143.0	137.4	132.9	127.3	121.6	117.1	111.5	104.7
-80°	107.0	110.4	113.7	116.0	111.5	108.1	103.6	99.1	94.6	90.1	85.6
-82.5°	81.1	84.5	87.8	90.1	86.7	84.5	81.1	77.7	74.3	69.8	66.4
-85°	58.6	60.8	63.1	64.2	61.9	59.7	57.4	55.2	52.9	49.6	47.3
-87.5°	33.8	34.9	36.0	37.2	34.9	32.7	31.5	29.3	28.2	25.9	24.8
-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°	28.2	25.9	23.6	22.5	20.3	16.9	14.6	12.4	10.1	7.9	6.8
85°	59.7	54.1	47.3	43.9	39.4	34.9	30.4	25.9	21.4	16.9	12.4
82.5°	102.5	95.7	89.0	81.1	70.9	58.6	46.2	38.3	31.5	24.8	19.1
80°	154.3	141.9	130.6	120.5	109.2	93.5	76.6	60.8	42.8	32.7	24.8
77.5°	214.0	199.3	183.6	166.7	148.7	127.3	108.1	87.8	66.4	45.0	31.5
75°	281.5	262.4	241.0	217.3	193.7	165.5	138.5	114.9	90.1	63.1	38.3
72.5°	357.0	333.3	307.4	275.9	238.7	206.1	173.4	141.9	112.6	80.0	51.8
70°	453.8	416.7	378.4	344.6	297.3	245.5	207.2	171.2	134.0	98.0	65.3
67.5°	557.4	512.4	466.2	416.7	357.0	296.2	241.0	200.5	156.5	114.9	77.7
65°	670.1	613.8	555.2	500.0	417.8	345.7	283.8	228.6	177.9	130.6	90.1
62.5°	786.1	719.6	652.0	580.0	485.4	396.4	324.3	260.1	198.2	145.3	101.4
60°	909.9	832.2	750.0	659.9	549.6	451.6	362.6	292.8	219.6	159.9	113.7
57.5°	1040.6	956.1	859.3	737.6	616.0	504.5	406.5	322.1	238.7	173.4	122.8
55°	1182.5	1085.6	979.8	818.7	681.3	557.4	450.5	351.4	259.0	184.7	131.8
52.5°	1335.6	1223.0	1089.0	904.3	750.0	611.5	491.0	377.3	278.2	197.1	139.6
50°	1506.8	1364.9	1184.7	983.1	809.7	662.2	531.5	405.4	293.9	210.6	146.4
47.5°	1684.7	1531.6	1270.3	1056.3	870.5	711.7	573.2	430.2	309.7	221.9	153.2
45°	1870.5	1647.6	1359.3	1121.6	923.4	756.8	604.7	452.7	328.8	232.0	158.8
42.5°	2054.1	1735.4	1437.0	1187.0	973.0	797.3	630.6	474.1	344.6	242.1	164.4
40°	2140.8	1801.8	1498.9	1232.0	1014.7	833.4	653.2	493.3	358.1	248.9	170.0
37.5°	2176.9	1842.4	1539.4	1274.8	1047.3	852.5	672.3	510.1	369.4	255.6	174.6
35°	2184.7	1857.0	1559.7	1304.1	1074.3	870.5	687.0	522.5	378.4	262.4	179.1
32.5°	2170.1	1852.5	1565.4	1314.2	1091.2	884.0	697.1	531.5	385.1	269.2	183.6
30°	2137.4	1828.9	1545.1	1313.1	1103.6	891.9	703.8	538.3	391.9	273.7	185.8
27.5°	2084.5	1787.2	1519.2	1314.2	1110.4	895.3	707.2	541.7	396.4	277.0	190.3
25°	2019.2	1730.9	1520.3	1312.0	1111.5	896.4	707.2	541.7	397.5	278.2	193.7
22.5°	1943.7	1730.9	1520.3	1308.6	1104.8	894.2	703.8	539.4	397.5	280.4	197.1
20°	1948.2	1732.0	1516.9	1301.8	1094.6	887.4	696.0	533.8	394.2	283.8	199.3
17.5°	1951.6	1729.8	1510.2	1292.8	1081.1	876.1	685.8	525.9	394.2	287.2	200.5
15°	1951.6	1723.0	1500.0	1279.3	1064.2	860.4	671.2	519.2	395.3	288.3	202.7
12.5°	1948.2	1710.6	1484.3	1261.3	1043.9	841.2	662.2	516.9	395.3	289.4	202.7
10°	1941.5	1693.7	1464.0	1238.8	1024.8	834.5	657.7	512.4	393.0	289.4	202.7
7.5°	1929.1	1673.5	1447.1	1225.3	1013.5	826.6	650.9	505.6	389.6	287.2	205.0
5°	1910.0	1662.2	1433.6	1209.5	997.8	821.0	646.4	500.0	387.4	287.2	202.7
2.5°	1885.2	1648.7	1417.8	1189.2	979.8	801.8	631.8	487.6	379.5	282.7	200.5
0°	1844.6	1621.7	1390.8	1161.1	955.0	782.7	617.1	475.2	371.6	278.2	198.2
-2.5°	1807.5	1585.6	1355.9	1131.8	931.3	765.8	605.9	468.5	368.3	277.0	197.1
-5°	1755.7	1536.1	1309.7	1093.5	899.8	748.9	594.6	460.6	364.9	274.8	197.1
-7.5°	1698.2	1484.3	1261.3	1054.1	868.3	719.6	573.2	448.2	357.0	270.3	196.0
-10°	1609.3	1406.6	1200.5	1009.0	834.5	693.7	555.2	436.9	350.2	265.8	191.4
-12.5°	1514.7	1321.0	1130.7	953.9	796.2	666.7	534.9	424.6	342.3	261.3	189.2
-15°	1414.4	1233.1	1057.5	896.4	754.5	634.0	513.5	411.0	334.5	255.6	185.8
-17.5°	1309.7	1140.8	982.0	837.9	712.9	600.2	491.0	398.7	325.5	250.0	182.4
-20°	1199.4	1046.2	905.4	778.2	668.9	566.5	467.4	384.0	315.3	243.2	177.9



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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°	1090.1	952.7	826.6	719.6	623.9	531.5	443.7	369.4	304.1	235.4	174.6
-25°	993.3	864.9	756.8	663.3	580.0	497.8	418.9	354.7	291.7	227.5	170.0
-27.5°	898.7	789.4	688.1	610.4	537.2	465.1	395.3	339.0	279.3	218.5	165.5
-30°	810.8	717.4	634.0	558.6	496.6	435.8	375.0	323.2	265.8	209.5	159.9
-32.5°	730.9	655.4	585.6	513.5	458.3	406.5	355.9	307.4	252.3	200.5	154.3
-35°	656.5	598.0	537.2	476.4	420.1	379.5	335.6	290.5	239.9	190.3	148.7
-37.5°	590.1	542.8	494.4	442.6	394.2	353.6	316.4	273.7	227.5	181.3	143.0
-40°	532.7	494.4	451.6	409.9	369.4	331.1	297.3	256.8	215.1	174.6	137.4
-42.5°	479.7	450.5	415.5	380.6	344.6	310.8	278.2	238.7	202.7	166.7	131.8
-45°	439.2	409.9	381.8	350.2	319.8	290.5	257.9	223.0	191.4	157.7	126.1
-47.5°	400.9	375.0	349.1	323.2	298.4	271.4	238.7	209.5	179.1	149.8	121.6
-50°	367.1	342.3	319.8	297.3	275.9	250.0	219.6	196.0	168.9	141.9	116.0
-52.5°	335.6	314.2	291.7	273.7	255.6	229.7	205.0	182.4	158.8	132.9	110.4
-55°	307.4	287.2	266.9	250.0	233.1	210.6	190.3	171.2	148.7	126.1	104.7
-57.5°	280.4	263.5	244.4	228.6	211.7	193.7	176.8	158.8	138.5	119.4	99.1
-60°	255.6	239.9	223.0	207.2	192.6	177.9	162.2	147.5	129.5	111.5	93.5
-62.5°	230.9	217.3	202.7	186.9	175.7	162.2	149.8	135.1	120.5	104.7	83.3
-65°	208.3	196.0	182.4	168.9	158.8	148.7	137.4	123.9	111.5	96.8	74.3
-67.5°	185.8	174.6	163.3	152.0	143.0	135.1	123.9	113.7	103.6	87.8	65.3
-70°	164.4	155.4	145.3	136.3	129.5	120.5	112.6	103.6	94.6	76.6	55.2
-72.5°	144.1	135.1	127.3	120.5	114.9	107.0	100.2	93.5	81.1	64.2	46.2
-75°	120.5	114.9	110.4	104.7	99.1	93.5	87.8	80.0	67.6	51.8	36.0
-77.5°	99.1	95.7	92.3	87.8	83.3	78.8	72.1	64.2	54.1	40.5	29.3
-80°	81.1	77.7	75.5	70.9	67.6	63.1	56.3	49.6	39.4	31.5	23.6
-82.5°	61.9	59.7	57.4	55.2	51.8	47.3	40.5	34.9	29.3	23.6	18.0
-85°	43.9	42.8	40.5	38.3	34.9	31.5	27.0	23.6	20.3	15.8	12.4
-87.5°	22.5	21.4	20.3	19.1	18.0	15.8	13.5	11.3	10.1	7.9	5.6
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	4.5	3.4	1.1	0.0
85°	9.0	5.6	2.3	0.0
82.5°	13.5	9.0	3.4	0.0
80°	18.0	11.3	5.6	0.0
77.5°	22.5	13.5	6.8	0.0
75°	27.0	16.9	7.9	0.0
72.5°	30.4	19.1	9.0	0.0
70°	36.0	22.5	10.1	0.0
67.5°	45.0	24.8	11.3	0.0
65°	52.9	27.0	12.4	0.0
62.5°	61.9	29.3	13.5	0.0
60°	69.8	31.5	14.6	0.0
57.5°	77.7	37.2	15.8	0.0
55°	84.5	41.7	16.9	0.0
52.5°	92.3	46.2	18.0	0.0
50°	99.1	50.7	19.1	0.0
47.5°	104.7	55.2	19.1	0.0
45°	109.2	58.6	20.3	0.0
42.5°	112.6	61.9	21.4	0.0
40°	116.0	65.3	22.5	0.0
37.5°	119.4	68.7	22.5	0.0
35°	122.8	72.1	23.6	0.0
32.5°	126.1	75.5	23.6	0.0
30°	128.4	77.7	24.8	0.0
27.5°	131.8	80.0	24.8	0.0
25°	132.9	82.2	25.9	0.0
22.5°	135.1	83.3	25.9	0.0
20°	137.4	85.6	25.9	0.0
17.5°	138.5	86.7	27.0	0.0
15°	138.5	87.8	28.2	0.0
12.5°	139.6	89.0	28.2	0.0
10°	139.6	91.2	27.0	0.0
7.5°	141.9	90.1	27.0	0.0
5°	140.8	90.1	27.0	0.0
2.5°	139.6	89.0	27.0	0.0
0°	138.5	89.0	27.0	0.0
-2.5°	138.5	89.0	27.0	0.0
-5°	138.5	89.0	27.0	0.0
-7.5°	137.4	90.1	27.0	0.0
-10°	135.1	90.1	27.0	0.0
-12.5°	134.0	86.7	27.0	0.0
-15°	132.9	85.6	27.0	0.0
-17.5°	130.6	84.5	25.9	0.0
-20°	128.4	83.3	25.9	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	126.1	81.1	25.9	0.0
-25°	123.9	78.8	24.8	0.0
-27.5°	121.6	76.6	24.8	0.0
-30°	118.2	74.3	23.6	0.0
-32.5°	114.9	72.1	23.6	0.0
-35°	112.6	68.7	22.5	0.0
-37.5°	109.2	65.3	22.5	0.0
-40°	105.9	61.9	21.4	0.0
-42.5°	102.5	58.6	20.3	0.0
-45°	98.0	55.2	20.3	0.0
-47.5°	94.6	51.8	19.1	0.0
-50°	89.0	47.3	18.0	0.0
-52.5°	82.2	42.8	16.9	0.0
-55°	75.5	39.4	15.8	0.0
-57.5°	68.7	34.9	15.8	0.0
-60°	61.9	30.4	14.6	0.0
-62.5°	55.2	28.2	13.5	0.0
-65°	48.4	25.9	12.4	0.0
-67.5°	40.5	22.5	11.3	0.0
-70°	33.8	20.3	10.1	0.0
-72.5°	29.3	18.0	9.0	0.0
-75°	24.8	15.8	7.9	0.0
-77.5°	21.4	13.5	6.8	0.0
-80°	16.9	10.1	4.5	0.0
-82.5°	12.4	7.9	3.4	0.0
-85°	7.9	5.6	2.3	0.0
-87.5°	4.5	2.3	1.1	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)