

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: P721996

Luminaire Tested: **IFLD-S-SA3D-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721996
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-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

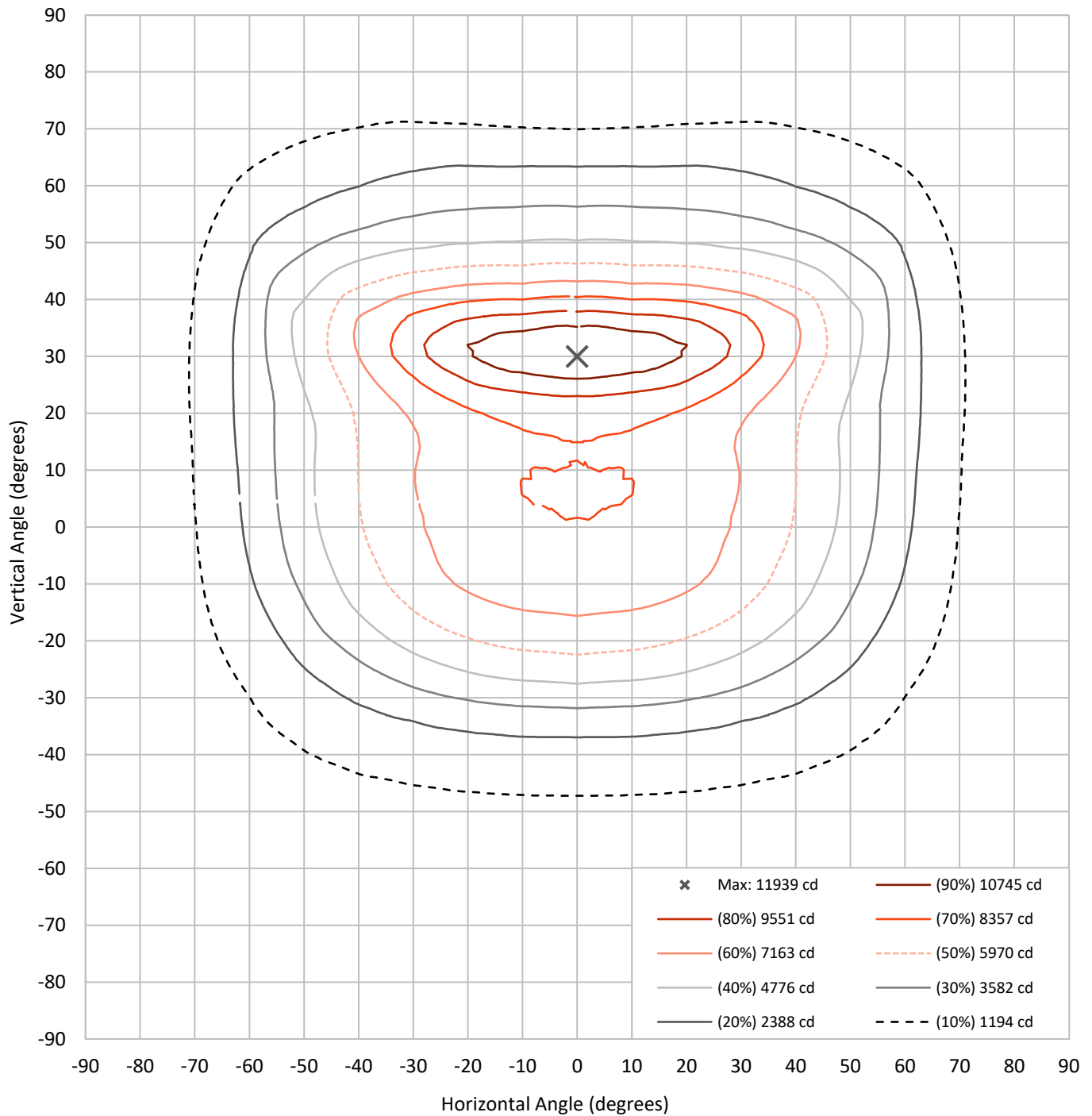
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	19929.2 lumens	Max Intensity:	11939 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	108.3 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:	11589.1 lumens	Field Lumens:	18676.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%
Input Watts (W):	184.1		
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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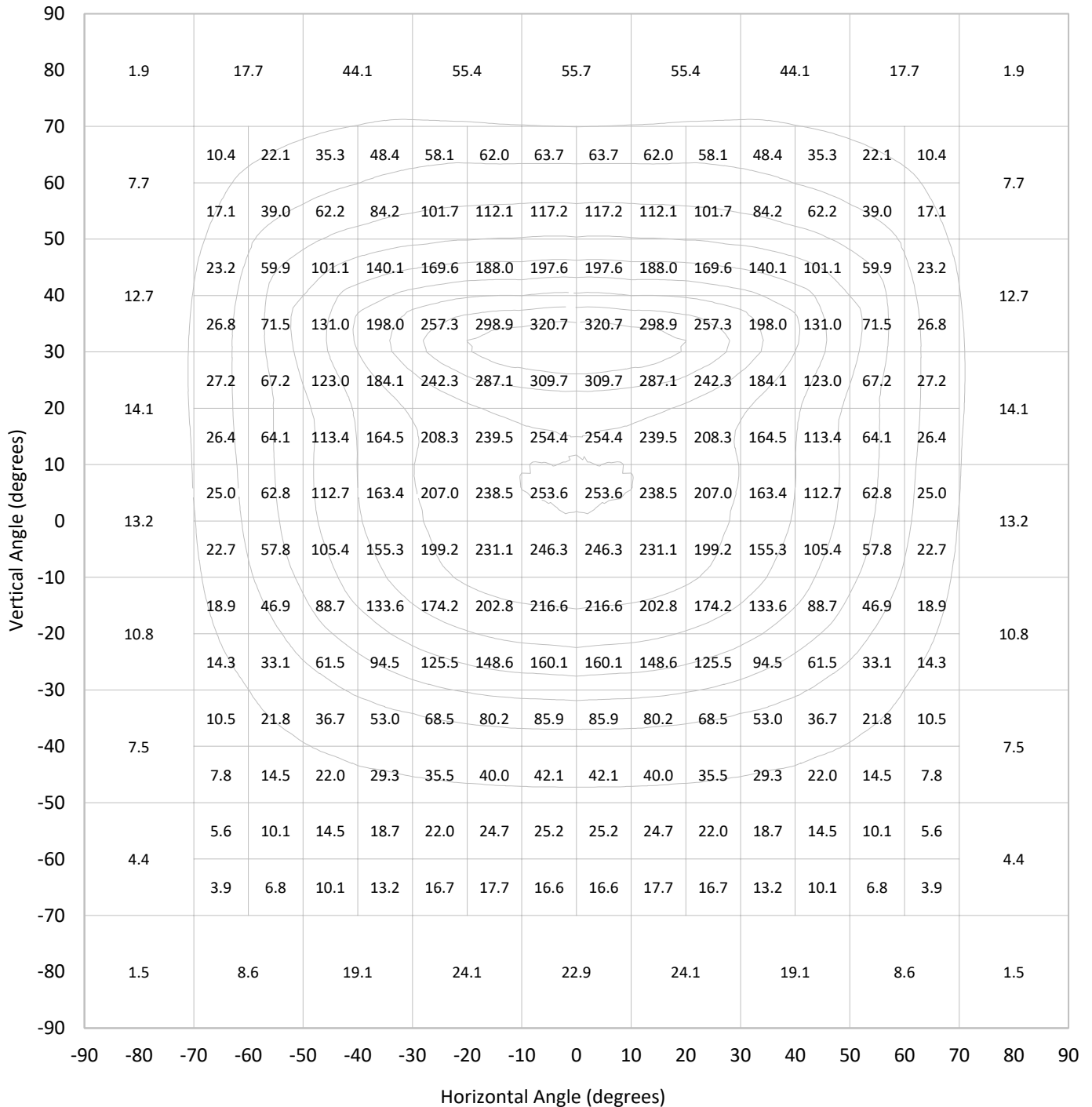
Iso-Candela Plot





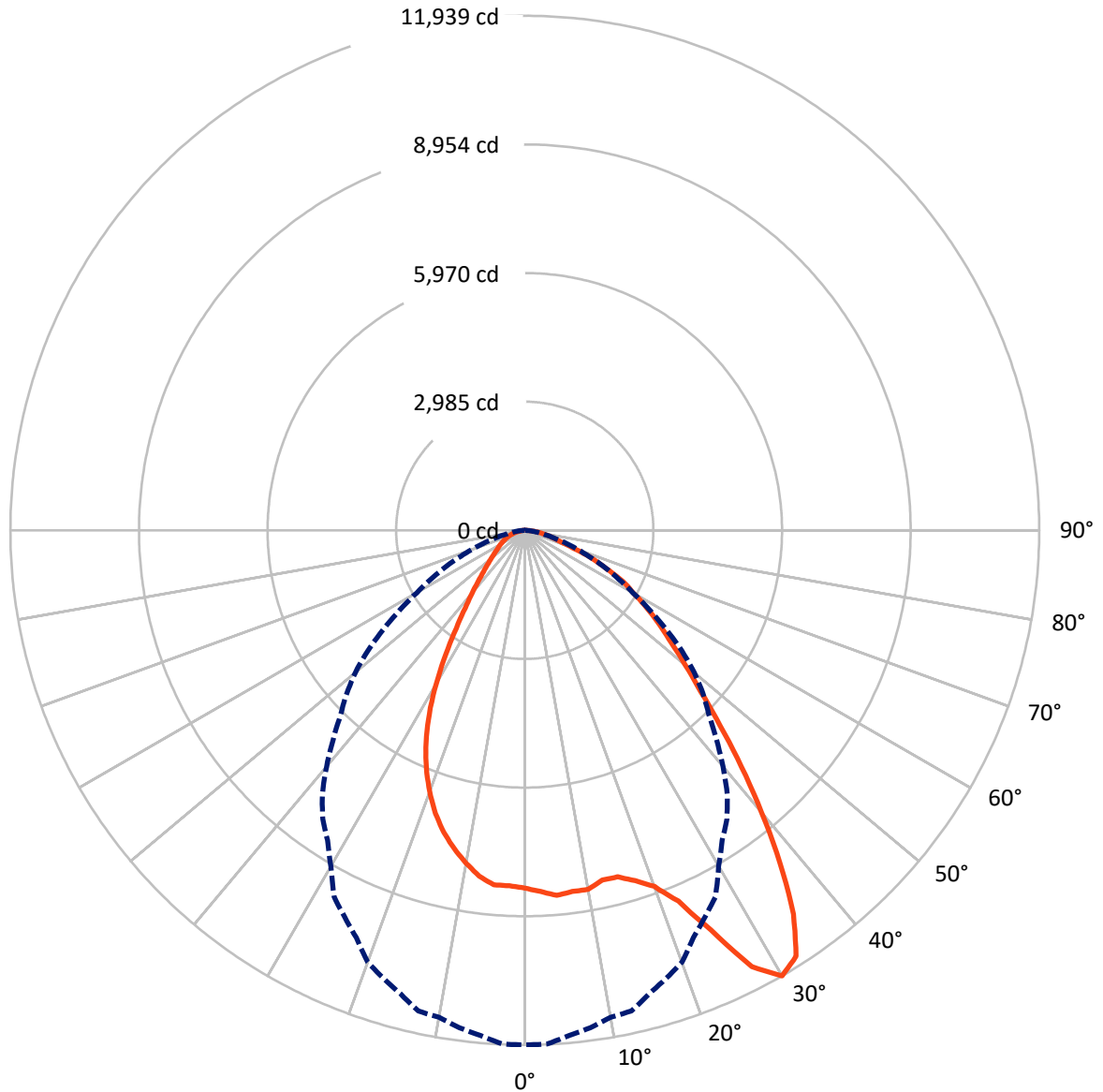
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Lumen Table



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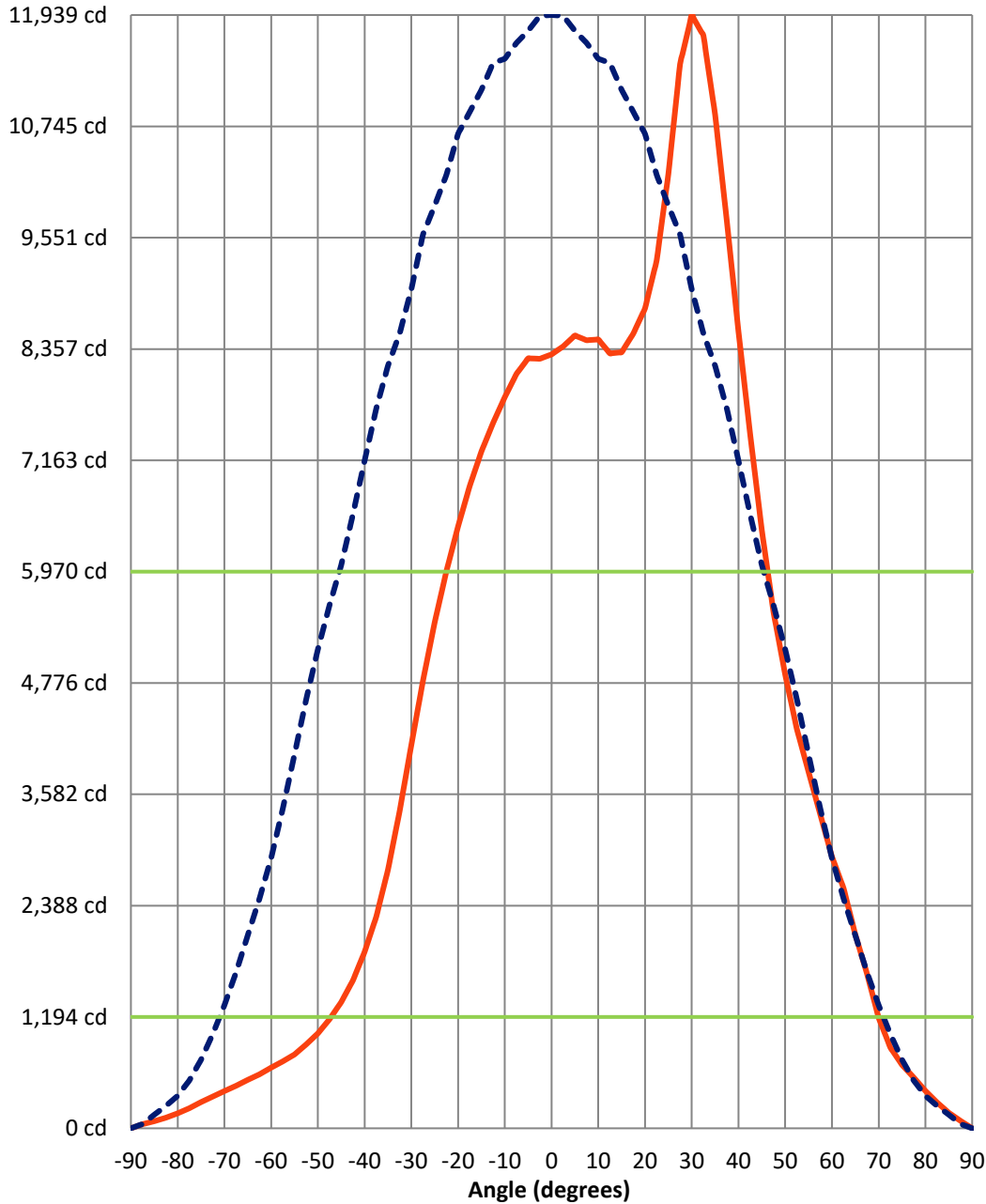
Luminous Intensity Polar Plot



— 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: 11589.1
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 18676.3
 Efficiency: 93.7%

Spill:
 Lumens: 1253
 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°	80.2	82.3	84.4	84.4	82.3	82.3	82.3	80.2	82.3	82.3	82.3
85°	166.8	171.0	175.2	173.1	171.0	166.8	162.6	164.7	166.8	168.9	168.9
82.5°	276.6	282.9	287.1	285.0	280.8	276.6	272.3	274.5	278.7	280.8	280.8
80°	401.1	403.2	405.4	409.6	403.2	403.2	401.1	409.6	413.8	418.0	422.2
77.5°	544.7	546.8	546.8	548.9	551.0	553.1	553.1	567.9	578.5	584.8	591.1
75°	679.8	686.2	692.5	698.8	707.3	711.5	717.8	738.9	755.8	768.5	781.2
72.5°	865.6	874.1	884.6	899.4	914.2	924.7	939.5	964.8	983.8	996.5	1011.3
70°	1184.4	1192.8	1203.4	1214.0	1228.7	1239.3	1254.1	1285.7	1304.7	1313.2	1321.6
67.5°	1657.3	1678.4	1697.4	1676.3	1665.8	1651.0	1655.2	1684.8	1703.8	1716.4	1714.3
65°	2077.5	2092.2	2092.2	2090.1	2081.7	2062.7	2073.2	2109.1	2130.2	2140.8	2109.1
62.5°	2571.5	2571.5	2560.9	2577.8	2579.9	2567.3	2560.9	2563.0	2565.1	2571.5	2518.7
60°	2913.5	2934.6	2940.9	2955.7	2960.0	2960.0	2970.5	2979.0	2979.0	2966.3	2905.1
57.5°	3365.3	3405.4	3413.9	3403.3	3382.2	3354.8	3350.5	3337.9	3312.5	3287.2	3257.6
55°	3821.3	3842.4	3840.3	3834.0	3812.9	3781.2	3785.4	3768.6	3728.4	3696.8	3656.7
52.5°	4279.5	4330.1	4338.6	4325.9	4296.4	4262.6	4264.7	4245.7	4205.6	4171.8	4116.9
50°	4864.3	4906.5	4902.3	4881.2	4838.9	4813.6	4815.7	4779.8	4733.4	4722.8	4651.0
47.5°	5533.5	5582.1	5573.7	5544.1	5487.1	5476.5	5487.1	5440.7	5413.2	5390.0	5305.5
45°	6411.8	6468.8	6437.2	6380.2	6289.4	6299.9	6314.7	6306.3	6247.1	6185.9	6078.2
42.5°	7442.1	7478.0	7440.0	7383.0	7269.0	7290.1	7281.6	7231.0	7195.1	7093.7	6956.5
40°	8544.2	8622.3	8563.2	8474.5	8356.3	8387.9	8364.7	8299.3	8214.8	8088.1	7915.0
37.5°	9732.8	9794.0	9726.5	9623.0	9517.4	9506.9	9460.4	9359.1	9238.8	9099.4	8822.8
35°	10870.7	11029.1	10904.5	10739.8	10611.1	10562.5	10518.2	10283.8	10146.6	9920.7	9542.8
32.5°	11717.4	11833.5	11679.3	11508.3	11352.1	11284.5	11128.3	10849.6	10775.7	10300.7	9954.5
30°	11939.0	11930.6	11770.1	11639.2	11470.3	11423.9	11136.8	10900.3	10663.8	10224.7	9895.4
27.5°	11411.2	11358.4	11204.3	11090.3	10923.5	10868.6	10585.7	10459.1	10093.8	9722.2	9443.6
25°	10235.3	10262.7	10146.6	10089.6	9979.8	9861.6	9749.7	9578.7	9350.7	9025.5	8770.1
22.5°	9308.4	9344.3	9295.8	9228.2	9143.8	9078.3	8993.9	8860.9	8641.3	8440.7	8200.0
20°	8793.3	8782.7	8740.5	8689.8	8609.6	8563.2	8470.3	8358.4	8189.5	8016.4	7756.7
17.5°	8523.1	8457.6	8417.5	8398.5	8356.3	8297.2	8187.4	8073.4	7942.5	7746.1	7556.1
15°	8322.5	8333.0	8301.4	8286.6	8252.8	8170.5	8058.6	7965.7	7788.3	7689.1	7516.0
12.5°	8309.8	8299.3	8301.4	8295.0	8252.8	8147.3	8090.2	7972.0	7858.0	7727.1	7528.7
10°	8459.7	8347.8	8356.3	8385.8	8318.3	8233.8	8172.6	8043.8	7936.1	7769.3	7573.0
7.5°	8451.3	8394.3	8411.2	8362.6	8383.7	8280.3	8195.8	8067.0	7931.9	7754.6	7577.2
5°	8501.9	8415.4	8400.6	8404.8	8352.0	8273.9	8159.9	8037.5	7910.8	7712.3	7530.8
2.5°	8385.8	8398.5	8330.9	8305.6	8299.3	8168.4	8062.8	7944.6	7813.7	7638.4	7475.9
0°	8299.3	8322.5	8252.8	8216.9	8214.8	8102.9	8035.4	7900.2	7807.3	7661.7	7465.3
-2.5°	8252.8	8280.3	8288.7	8223.3	8159.9	8073.4	7959.4	7813.7	7661.7	7492.8	7323.9
-5°	8257.0	8202.1	8178.9	8200.0	8145.1	8058.6	7931.9	7803.1	7653.2	7471.7	7260.5
-7.5°	8090.2	8035.4	8031.1	8020.6	8007.9	7925.6	7820.0	7680.7	7528.7	7359.8	7163.4
-10°	7841.1	7801.0	7790.5	7779.9	7746.1	7697.6	7598.3	7471.7	7334.4	7165.5	6956.5
-12.5°	7564.6	7545.6	7505.4	7478.0	7444.2	7387.2	7292.2	7176.1	7038.9	6889.0	6709.5
-15°	7258.4	7222.5	7182.4	7159.2	7110.6	7043.1	6948.1	6840.4	6690.5	6542.7	6373.8
-17.5°	6889.0	6844.6	6800.3	6794.0	6760.2	6656.7	6568.0	6437.2	6306.3	6164.8	6000.1
-20°	6454.0	6392.8	6363.3	6346.4	6299.9	6223.9	6128.9	6008.6	5881.9	5746.8	5556.8



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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°	5972.7	5919.9	5869.2	5837.6	5797.4	5738.3	5647.6	5542.0	5417.4	5265.4	5090.2
-25°	5425.9	5352.0	5320.3	5284.4	5263.3	5208.4	5119.7	5022.6	4893.8	4746.1	4579.3
-27.5°	4800.9	4741.8	4724.9	4674.3	4648.9	4591.9	4518.0	4427.3	4309.0	4169.7	4032.5
-30°	4110.6	4074.7	4047.2	3996.6	3977.6	3916.3	3867.8	3791.8	3684.1	3584.9	3475.1
-32.5°	3401.2	3365.3	3356.9	3333.6	3321.0	3280.9	3226.0	3171.1	3084.5	3010.6	2921.9
-35°	2772.1	2746.7	2748.8	2746.7	2734.0	2704.5	2636.9	2622.2	2558.8	2491.3	2434.3
-37.5°	2269.6	2271.7	2269.6	2267.5	2250.6	2237.9	2189.3	2170.3	2132.3	2066.9	2033.1
-40°	1891.7	1895.9	1893.8	1889.6	1870.6	1864.2	1832.6	1807.2	1792.4	1746.0	1710.1
-42.5°	1585.5	1591.9	1589.8	1587.6	1575.0	1572.9	1556.0	1526.4	1518.0	1490.5	1452.5
-45°	1353.3	1351.2	1347.0	1351.2	1344.9	1338.5	1328.0	1309.0	1298.4	1285.7	1254.1
-47.5°	1169.6	1171.7	1167.5	1167.5	1159.1	1152.7	1148.5	1135.8	1127.4	1116.8	1097.8
-50°	1017.6	1026.1	1023.9	1021.8	1015.5	1011.3	1011.3	998.6	985.9	981.7	969.1
-52.5°	899.4	905.7	907.8	912.1	914.2	916.3	909.9	897.3	876.2	874.1	867.7
-55°	791.7	810.7	823.4	831.8	840.3	846.6	833.9	817.0	795.9	787.5	785.4
-57.5°	717.8	736.8	751.6	764.3	774.8	785.4	772.7	755.8	736.8	726.3	724.2
-60°	650.3	667.2	681.9	698.8	713.6	730.5	724.2	711.5	700.9	692.5	684.0
-62.5°	578.5	595.4	612.3	633.4	652.4	669.3	671.4	669.3	667.2	669.3	654.5
-65°	519.4	527.8	538.4	561.6	582.7	601.7	612.3	618.6	629.1	639.7	624.9
-67.5°	456.0	466.6	479.3	496.1	513.0	525.7	540.5	557.4	574.3	591.1	580.6
-70°	399.0	407.5	418.0	426.5	437.0	445.5	458.1	477.1	496.1	513.0	508.8
-72.5°	339.9	348.4	354.7	358.9	365.2	369.5	375.8	392.7	405.4	413.8	413.8
-75°	280.8	289.2	295.6	297.7	301.9	304.0	308.2	314.6	320.9	323.0	325.1
-77.5°	215.3	223.8	230.1	234.3	238.6	242.8	244.9	249.1	251.2	251.2	253.3
-80°	160.5	166.8	171.0	177.3	179.5	183.7	187.9	190.0	192.1	192.1	194.2
-82.5°	114.0	118.2	122.5	126.7	130.9	133.0	137.2	139.3	141.5	143.6	145.7
-85°	76.0	80.2	84.4	88.7	90.8	92.9	95.0	97.1	99.2	101.3	103.5
-87.5°	44.3	46.4	48.6	52.8	54.9	59.1	61.2	59.1	61.2	61.2	61.2
-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°	82.3	82.3	82.3	82.3	80.2	76.0	73.9	69.7	65.4	61.2	57.0
85°	171.0	173.1	173.1	173.1	168.9	166.8	160.5	154.1	145.7	133.0	122.5
82.5°	285.0	287.1	287.1	285.0	280.8	274.5	266.0	255.5	238.6	221.7	206.9
80°	428.6	430.7	430.7	428.6	418.0	407.5	396.9	384.2	363.1	339.9	314.6
77.5°	599.6	603.8	603.8	597.5	582.7	570.0	553.1	532.0	500.4	466.6	432.8
75°	798.0	808.6	810.7	804.4	785.4	762.2	734.7	698.8	650.3	608.0	567.9
72.5°	1028.2	1038.7	1047.2	1038.7	1011.3	979.6	939.5	897.3	848.7	791.7	724.2
70°	1330.1	1340.6	1347.0	1319.5	1271.0	1218.2	1169.6	1121.1	1064.1	994.4	920.5
67.5°	1710.1	1699.5	1686.9	1632.0	1570.8	1507.4	1439.9	1368.1	1294.2	1220.3	1133.7
65°	2075.3	2045.8	2018.3	1952.9	1874.8	1792.4	1714.3	1634.1	1545.4	1452.5	1370.2
62.5°	2459.6	2396.3	2328.7	2248.5	2168.2	2077.5	1999.3	1904.3	1805.1	1691.1	1585.5
60°	2837.5	2761.5	2693.9	2594.7	2489.1	2366.7	2282.2	2189.3	2073.2	1950.8	1826.2
57.5°	3202.7	3120.4	3046.5	2960.0	2845.9	2712.9	2620.0	2499.7	2377.2	2223.1	2096.5
55°	3591.2	3508.9	3449.8	3352.6	3228.1	3105.6	3004.3	2877.6	2706.6	2541.9	2385.7
52.5°	4036.7	3971.2	3907.9	3808.7	3658.8	3534.2	3422.3	3280.9	3101.4	2898.7	2710.8
50°	4534.9	4501.2	4433.6	4317.5	4146.5	4036.7	3888.9	3701.0	3508.9	3295.6	3061.3
47.5°	5195.7	5140.9	5045.9	4919.2	4775.6	4610.9	4412.5	4192.9	3920.6	3684.1	3435.0
45°	5985.3	5884.0	5761.6	5590.5	5413.2	5227.4	5010.0	4731.3	4366.0	4057.8	3796.0
42.5°	6840.4	6703.2	6536.4	6312.6	6082.5	5854.5	5620.1	5240.1	4784.1	4429.4	4133.8
40°	7733.5	7558.2	7349.2	7024.1	6768.6	6475.2	6207.0	5639.1	5153.5	4769.3	4454.7
37.5°	8607.5	8385.8	8035.4	7640.6	7342.9	7102.2	6513.2	5905.1	5470.2	5048.0	4729.2
35°	9276.8	9088.9	8470.3	8060.7	7805.2	7425.2	6688.4	6065.6	5605.3	5254.9	4758.7
32.5°	9673.7	9188.1	8645.5	8231.7	8020.6	7397.8	6701.1	6112.0	5668.7	5276.0	4682.7
30°	9585.0	8998.1	8523.1	8176.8	7718.7	7159.2	6582.8	6040.2	5609.5	5134.5	4598.3
27.5°	9050.9	8596.9	8172.6	7811.6	7361.9	6859.4	6327.4	5850.2	5449.1	4988.8	4482.2
25°	8447.0	8035.4	7720.8	7406.2	6979.7	6500.5	6031.8	5687.7	5284.4	4830.5	4330.1
22.5°	7891.8	7596.2	7349.2	7019.9	6603.9	6185.9	5894.6	5537.8	5124.0	4663.7	4173.9
20°	7537.1	7336.5	7053.6	6690.5	6363.3	6101.5	5778.4	5400.5	4974.1	4492.7	4040.9
17.5°	7366.1	7133.9	6819.3	6582.8	6331.6	6044.5	5683.4	5282.3	4828.4	4414.6	4055.7
15°	7277.4	7032.5	6825.6	6593.4	6310.5	6008.6	5607.4	5191.5	4828.4	4446.3	4066.2
12.5°	7296.4	7085.3	6859.4	6606.1	6302.0	5979.0	5615.9	5229.5	4853.7	4469.5	4068.3
10°	7355.5	7133.9	6893.2	6612.4	6306.3	5987.5	5639.1	5252.8	4866.4	4480.0	4064.1
7.5°	7376.7	7136.0	6878.4	6595.5	6295.7	5983.2	5643.3	5259.1	4868.5	4477.9	4051.5
5°	7311.2	7093.7	6844.6	6559.6	6266.1	5962.1	5626.4	5250.6	4851.6	4456.8	4019.8
2.5°	7222.5	7047.3	6808.7	6534.3	6236.6	5932.6	5599.0	5212.6	4813.6	4418.8	3979.7
0°	7207.8	6990.3	6749.6	6504.7	6188.0	5867.1	5535.7	5140.9	4743.9	4347.0	3910.0
-2.5°	7110.6	6880.5	6639.8	6373.8	6095.1	5772.1	5423.8	5037.4	4644.7	4254.1	3834.0
-5°	7036.7	6781.3	6525.8	6238.7	5957.9	5634.9	5273.9	4898.1	4513.8	4133.8	3728.4
-7.5°	6937.5	6675.7	6407.6	6107.8	5803.8	5474.4	5117.6	4741.8	4363.9	3986.0	3597.5
-10°	6736.9	6506.8	6255.6	5945.2	5624.3	5295.0	4940.3	4570.8	4192.9	3810.8	3420.2
-12.5°	6494.2	6251.4	5976.9	5691.9	5404.8	5098.6	4743.9	4380.8	4000.8	3616.5	3228.1
-15°	6179.6	5941.0	5660.2	5381.5	5105.0	4811.5	4499.0	4171.8	3785.4	3407.5	3019.1
-17.5°	5786.9	5563.1	5311.9	5045.9	4771.4	4475.8	4171.8	3895.2	3534.2	3179.5	2795.3
-20°	5364.6	5155.6	4929.7	4678.5	4404.0	4114.8	3827.7	3538.4	3226.0	2913.5	2556.7



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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°	4925.5	4714.4	4486.4	4252.0	3998.7	3730.6	3464.5	3188.0	2913.5	2630.6	2328.7
-25°	4418.8	4233.0	4024.0	3796.0	3570.1	3335.8	3082.4	2831.2	2596.8	2351.9	2104.9
-27.5°	3888.9	3717.9	3527.9	3329.4	3135.2	2938.8	2719.3	2487.0	2292.8	2090.1	1885.3
-30°	3331.5	3194.3	3040.2	2867.1	2717.2	2558.8	2375.1	2183.0	2005.7	1851.6	1686.9
-32.5°	2803.7	2687.6	2577.8	2463.8	2316.0	2193.6	2066.9	1925.4	1769.2	1623.5	1505.3
-35°	2349.8	2225.2	2178.8	2094.3	1988.8	1881.1	1788.2	1686.9	1568.6	1439.9	1342.7
-37.5°	1967.7	1893.8	1828.3	1781.9	1712.2	1625.7	1551.8	1477.9	1387.1	1290.0	1192.8
-40°	1670.0	1619.3	1547.5	1524.3	1480.0	1420.9	1344.9	1287.9	1226.6	1152.7	1070.4
-42.5°	1431.4	1393.4	1347.0	1306.9	1287.9	1245.6	1186.5	1131.6	1083.1	1032.4	969.1
-45°	1235.1	1209.7	1180.2	1144.3	1129.5	1095.7	1053.5	992.3	964.8	922.6	876.2
-47.5°	1076.7	1064.1	1042.9	1019.7	998.6	973.3	935.3	897.3	859.3	831.8	795.9
-50°	952.2	943.7	931.1	912.1	884.6	867.7	842.4	808.6	772.7	749.5	724.2
-52.5°	852.9	844.5	836.0	821.3	800.2	783.3	762.2	734.7	705.2	681.9	660.8
-55°	776.9	764.3	757.9	745.3	728.4	709.4	690.4	671.4	646.0	624.9	603.8
-57.5°	717.8	700.9	692.5	681.9	665.0	646.0	631.3	612.3	595.4	572.1	553.1
-60°	671.4	652.4	635.5	624.9	610.1	591.1	576.4	561.6	544.7	525.7	502.5
-62.5°	633.4	610.1	586.9	574.3	559.5	542.6	527.8	513.0	496.1	477.1	456.0
-65°	597.5	570.0	540.5	527.8	513.0	496.1	477.1	466.6	451.8	434.9	413.8
-67.5°	553.1	523.6	498.3	483.5	468.7	453.9	437.0	426.5	411.7	390.6	369.5
-70°	487.7	468.7	451.8	439.1	426.5	413.8	396.9	380.0	363.1	344.1	325.1
-72.5°	405.4	399.0	396.9	390.6	375.8	361.0	344.1	327.2	312.5	297.7	282.9
-75°	327.2	331.5	335.7	333.6	318.8	304.0	289.2	274.5	263.9	251.2	238.6
-77.5°	259.7	263.9	268.1	268.1	257.6	249.1	238.6	228.0	219.6	209.0	196.3
-80°	200.6	206.9	213.2	217.5	209.0	202.7	194.2	185.8	177.3	168.9	160.5
-82.5°	152.0	158.3	164.7	168.9	162.6	158.3	152.0	145.7	139.3	130.9	124.6
-85°	109.8	114.0	118.2	120.3	116.1	111.9	107.7	103.5	99.2	92.9	88.7
-87.5°	63.3	65.4	67.6	69.7	65.4	61.2	59.1	54.9	52.8	48.6	46.4
-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°	52.8	48.6	44.3	42.2	38.0	31.7	27.4	23.2	19.0	14.8	12.7
85°	111.9	101.3	88.7	82.3	73.9	65.4	57.0	48.6	40.1	31.7	23.2
82.5°	192.1	179.5	166.8	152.0	133.0	109.8	86.6	71.8	59.1	46.4	35.9
80°	289.2	266.0	244.9	225.9	204.8	175.2	143.6	114.0	80.2	61.2	46.4
77.5°	401.1	373.7	344.1	312.5	278.7	238.6	202.7	164.7	124.6	84.4	59.1
75°	527.8	491.9	451.8	407.5	363.1	310.4	259.7	215.3	168.9	118.2	71.8
72.5°	669.3	624.9	576.4	517.3	447.6	386.4	325.1	266.0	211.1	149.9	97.1
70°	850.8	781.2	709.4	646.0	557.4	460.2	388.5	320.9	251.2	183.7	122.5
67.5°	1045.1	960.6	874.1	781.2	669.3	555.3	451.8	375.8	293.5	215.3	145.7
65°	1256.2	1150.6	1040.8	937.4	783.3	648.1	532.0	428.6	333.6	244.9	168.9
62.5°	1473.6	1349.1	1222.4	1087.3	909.9	743.2	608.0	487.7	371.6	272.3	190.0
60°	1705.9	1560.2	1406.1	1237.2	1030.3	846.6	679.8	548.9	411.7	299.8	213.2
57.5°	1950.8	1792.4	1610.9	1382.9	1154.8	945.8	762.2	603.8	447.6	325.1	230.1
55°	2216.8	2035.2	1836.8	1534.9	1277.3	1045.1	844.5	658.7	485.6	346.2	247.0
52.5°	2503.9	2292.8	2041.6	1695.3	1406.1	1146.4	920.5	707.3	521.5	369.5	261.8
50°	2824.8	2558.8	2221.0	1843.1	1518.0	1241.4	996.5	760.0	551.0	394.8	274.5
47.5°	3158.4	2871.3	2381.5	1980.3	1632.0	1334.3	1074.6	806.5	580.6	415.9	287.1
45°	3506.8	3088.7	2548.3	2102.8	1731.2	1418.7	1133.7	848.7	616.5	434.9	297.7
42.5°	3850.9	3253.4	2693.9	2225.2	1824.1	1494.8	1182.3	888.8	646.0	453.9	308.2
40°	4013.5	3378.0	2810.1	2309.7	1902.2	1562.3	1224.5	924.7	671.4	466.6	318.8
37.5°	4081.0	3454.0	2886.1	2389.9	1963.4	1598.2	1260.4	956.4	692.5	479.3	327.2
35°	4095.8	3481.4	2924.1	2444.8	2014.1	1632.0	1287.9	979.6	709.4	491.9	335.7
32.5°	4068.3	3473.0	2934.6	2463.8	2045.8	1657.3	1306.9	996.5	722.0	504.6	344.1
30°	4007.1	3428.6	2896.6	2461.7	2069.0	1672.1	1319.5	1009.2	734.7	513.0	348.4
27.5°	3907.9	3350.5	2848.1	2463.8	2081.7	1678.4	1325.9	1015.5	743.2	519.4	356.8
25°	3785.4	3245.0	2850.2	2459.6	2083.8	1680.5	1325.9	1015.5	745.3	521.5	363.1
22.5°	3644.0	3245.0	2850.2	2453.3	2071.1	1676.3	1319.5	1011.3	745.3	525.7	369.5
20°	3652.4	3247.1	2843.8	2440.6	2052.1	1663.7	1304.7	1000.7	738.9	532.0	373.7
17.5°	3658.8	3242.9	2831.2	2423.7	2026.8	1642.5	1285.7	985.9	738.9	538.4	375.8
15°	3658.8	3230.2	2812.2	2398.4	1995.1	1613.0	1258.3	973.3	741.0	540.5	380.0
12.5°	3652.4	3207.0	2782.6	2364.6	1957.1	1577.1	1241.4	969.1	741.0	542.6	380.0
10°	3639.8	3175.3	2744.6	2322.4	1921.2	1564.4	1233.0	960.6	736.8	542.6	380.0
7.5°	3616.5	3137.3	2712.9	2297.0	1900.1	1549.6	1220.3	947.9	730.5	538.4	384.2
5°	3580.7	3116.2	2687.6	2267.5	1870.6	1539.1	1211.8	937.4	726.3	538.4	380.0
2.5°	3534.2	3090.8	2658.0	2229.5	1836.8	1503.2	1184.4	914.2	711.5	529.9	375.8
0°	3458.2	3040.2	2607.4	2176.7	1790.3	1467.3	1157.0	890.9	696.7	521.5	371.6
-2.5°	3388.5	2972.6	2541.9	2121.8	1746.0	1435.6	1135.8	878.3	690.4	519.4	369.5
-5°	3291.4	2879.7	2455.4	2050.0	1686.9	1404.0	1114.7	863.5	684.0	515.1	369.5
-7.5°	3183.7	2782.6	2364.6	1976.1	1627.8	1349.1	1074.6	840.3	669.3	506.7	367.4
-10°	3017.0	2636.9	2250.6	1891.7	1564.4	1300.5	1040.8	819.2	656.6	498.3	358.9
-12.5°	2839.6	2476.5	2119.7	1788.2	1492.6	1249.9	1002.8	795.9	641.8	489.8	354.7
-15°	2651.7	2311.8	1982.4	1680.5	1414.5	1188.6	962.7	770.6	627.0	479.3	348.4
-17.5°	2455.4	2138.7	1841.0	1570.8	1336.4	1125.3	920.5	747.4	610.1	468.7	342.0
-20°	2248.5	1961.3	1697.4	1458.9	1254.1	1062.0	876.2	719.9	591.1	456.0	333.6



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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°	2043.7	1786.1	1549.6	1349.1	1169.6	996.5	831.8	692.5	570.0	441.2	327.2
-25°	1862.1	1621.4	1418.7	1243.5	1087.3	933.2	785.4	665.0	546.8	426.5	318.8
-27.5°	1684.8	1480.0	1290.0	1144.3	1007.1	871.9	741.0	635.5	523.6	409.6	310.4
-30°	1520.1	1344.9	1188.6	1047.2	931.1	817.0	703.0	605.9	498.3	392.7	299.8
-32.5°	1370.2	1228.7	1097.8	962.7	859.3	762.2	667.2	576.4	472.9	375.8	289.2
-35°	1230.8	1121.1	1007.1	893.1	787.5	711.5	629.1	544.7	449.7	356.8	278.7
-37.5°	1106.3	1017.6	926.8	829.7	738.9	662.9	593.3	513.0	426.5	339.9	268.1
-40°	998.6	926.8	846.6	768.5	692.5	620.7	557.4	481.4	403.2	327.2	257.6
-42.5°	899.4	844.5	779.0	713.6	646.0	582.7	521.5	447.6	380.0	312.5	247.0
-45°	823.4	768.5	715.7	656.6	599.6	544.7	483.5	418.0	358.9	295.6	236.5
-47.5°	751.6	703.0	654.5	605.9	559.5	508.8	447.6	392.7	335.7	280.8	228.0
-50°	688.3	641.8	599.6	557.4	517.3	468.7	411.7	367.4	316.7	266.0	217.5
-52.5°	629.1	589.0	546.8	513.0	479.3	430.7	384.2	342.0	297.7	249.1	206.9
-55°	576.4	538.4	500.4	468.7	437.0	394.8	356.8	320.9	278.7	236.5	196.3
-57.5°	525.7	494.0	458.1	428.6	396.9	363.1	331.5	297.7	259.7	223.8	185.8
-60°	479.3	449.7	418.0	388.5	361.0	333.6	304.0	276.6	242.8	209.0	175.2
-62.5°	432.8	407.5	380.0	350.5	329.4	304.0	280.8	253.3	225.9	196.3	156.2
-65°	390.6	367.4	342.0	316.7	297.7	278.7	257.6	232.2	209.0	181.6	139.3
-67.5°	348.4	327.2	306.1	285.0	268.1	253.3	232.2	213.2	194.2	164.7	122.5
-70°	308.2	291.4	272.3	255.5	242.8	225.9	211.1	194.2	177.3	143.6	103.5
-72.5°	270.2	253.3	238.6	225.9	215.3	200.6	187.9	175.2	152.0	120.3	86.6
-75°	225.9	215.3	206.9	196.3	185.8	175.2	164.7	149.9	126.7	97.1	67.6
-77.5°	185.8	179.5	173.1	164.7	156.2	147.8	135.1	120.3	101.3	76.0	54.9
-80°	152.0	145.7	141.5	133.0	126.7	118.2	105.6	92.9	73.9	59.1	44.3
-82.5°	116.1	111.9	107.7	103.5	97.1	88.7	76.0	65.4	54.9	44.3	33.8
-85°	82.3	80.2	76.0	71.8	65.4	59.1	50.7	44.3	38.0	29.6	23.2
-87.5°	42.2	40.1	38.0	35.9	33.8	29.6	25.3	21.1	19.0	14.8	10.6
-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°	8.4	6.3	2.1	0.0
85°	16.9	10.6	4.2	0.0
82.5°	25.3	16.9	6.3	0.0
80°	33.8	21.1	10.6	0.0
77.5°	42.2	25.3	12.7	0.0
75°	50.7	31.7	14.8	0.0
72.5°	57.0	35.9	16.9	0.0
70°	67.6	42.2	19.0	0.0
67.5°	84.4	46.4	21.1	0.0
65°	99.2	50.7	23.2	0.0
62.5°	116.1	54.9	25.3	0.0
60°	130.9	59.1	27.4	0.0
57.5°	145.7	69.7	29.6	0.0
55°	158.3	78.1	31.7	0.0
52.5°	173.1	86.6	33.8	0.0
50°	185.8	95.0	35.9	0.0
47.5°	196.3	103.5	35.9	0.0
45°	204.8	109.8	38.0	0.0
42.5°	211.1	116.1	40.1	0.0
40°	217.5	122.5	42.2	0.0
37.5°	223.8	128.8	42.2	0.0
35°	230.1	135.1	44.3	0.0
32.5°	236.5	141.5	44.3	0.0
30°	240.7	145.7	46.4	0.0
27.5°	247.0	149.9	46.4	0.0
25°	249.1	154.1	48.6	0.0
22.5°	253.3	156.2	48.6	0.0
20°	257.6	160.5	48.6	0.0
17.5°	259.7	162.6	50.7	0.0
15°	259.7	164.7	52.8	0.0
12.5°	261.8	166.8	52.8	0.0
10°	261.8	171.0	50.7	0.0
7.5°	266.0	168.9	50.7	0.0
5°	263.9	168.9	50.7	0.0
2.5°	261.8	166.8	50.7	0.0
0°	259.7	166.8	50.7	0.0
-2.5°	259.7	166.8	50.7	0.0
-5°	259.7	166.8	50.7	0.0
-7.5°	257.6	168.9	50.7	0.0
-10°	253.3	168.9	50.7	0.0
-12.5°	251.2	162.6	50.7	0.0
-15°	249.1	160.5	50.7	0.0
-17.5°	244.9	158.3	48.6	0.0
-20°	240.7	156.2	48.6	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	236.5	152.0	48.6	0.0
-25°	232.2	147.8	46.4	0.0
-27.5°	228.0	143.6	46.4	0.0
-30°	221.7	139.3	44.3	0.0
-32.5°	215.3	135.1	44.3	0.0
-35°	211.1	128.8	42.2	0.0
-37.5°	204.8	122.5	42.2	0.0
-40°	198.5	116.1	40.1	0.0
-42.5°	192.1	109.8	38.0	0.0
-45°	183.7	103.5	38.0	0.0
-47.5°	177.3	97.1	35.9	0.0
-50°	166.8	88.7	33.8	0.0
-52.5°	154.1	80.2	31.7	0.0
-55°	141.5	73.9	29.6	0.0
-57.5°	128.8	65.4	29.6	0.0
-60°	116.1	57.0	27.4	0.0
-62.5°	103.5	52.8	25.3	0.0
-65°	90.8	48.6	23.2	0.0
-67.5°	76.0	42.2	21.1	0.0
-70°	63.3	38.0	19.0	0.0
-72.5°	54.9	33.8	16.9	0.0
-75°	46.4	29.6	14.8	0.0
-77.5°	40.1	25.3	12.7	0.0
-80°	31.7	19.0	8.4	0.0
-82.5°	23.2	14.8	6.3	0.0
-85°	14.8	10.6	4.2	0.0
-87.5°	8.4	4.2	2.1	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)