

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: P722011

Luminaire Tested: **IFLD-L-SA7D-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722011
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-727-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (112) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

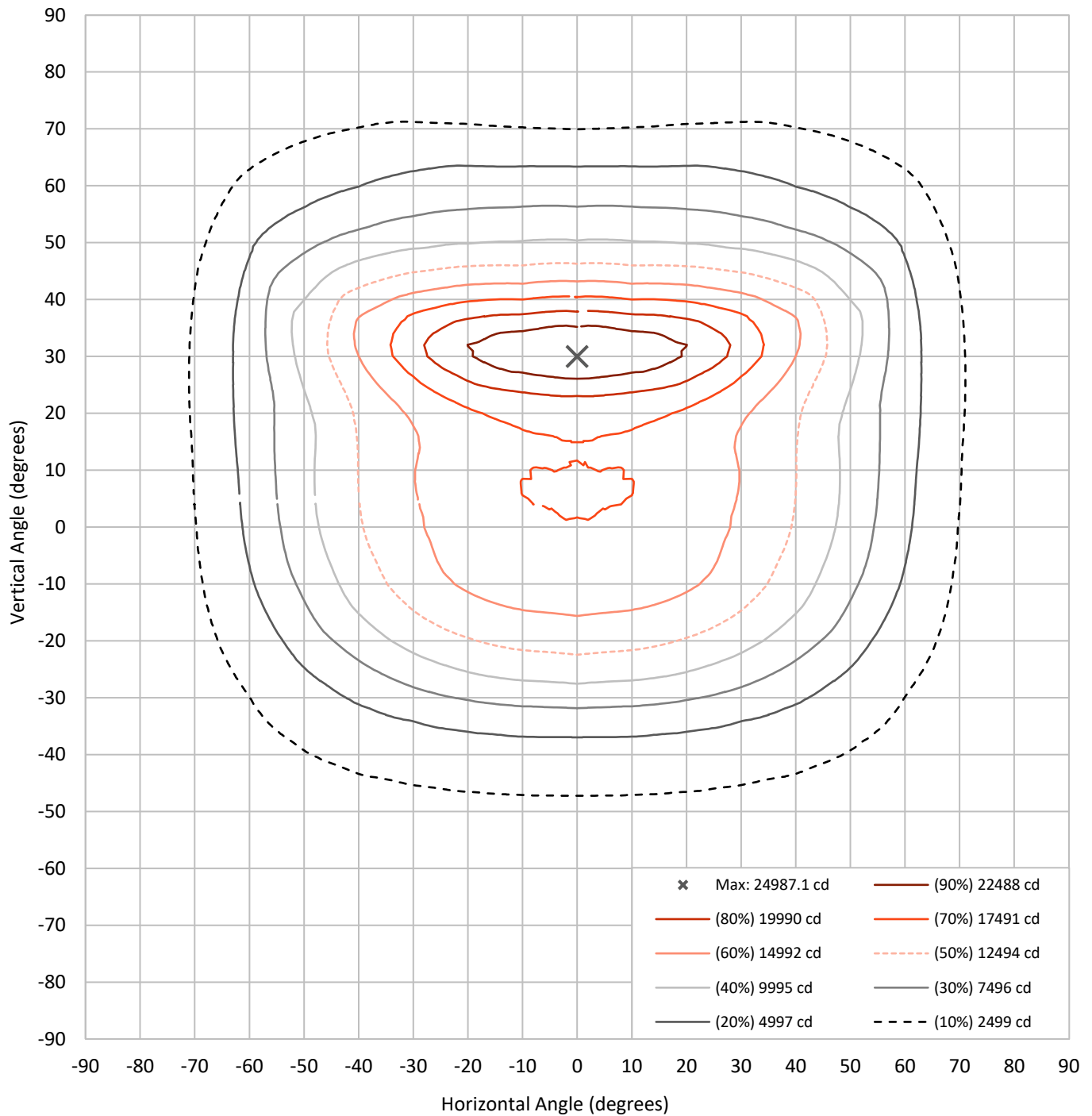
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	41709.8 lumens	Max Intensity:	24987.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	98.7 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	24254.7 lumens	Field Lumens:	39087.4 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 422.6
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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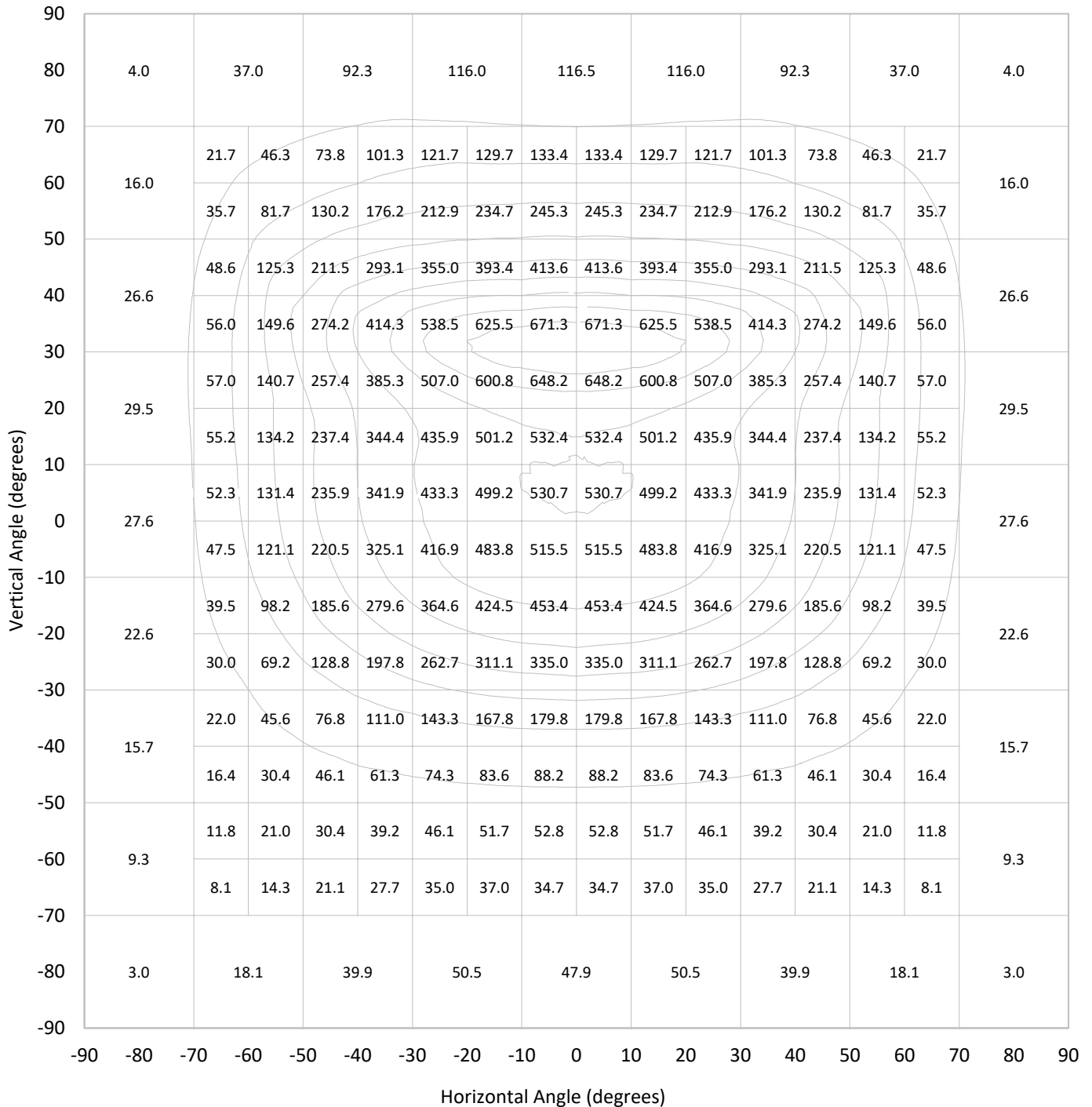
Iso-Candela Plot





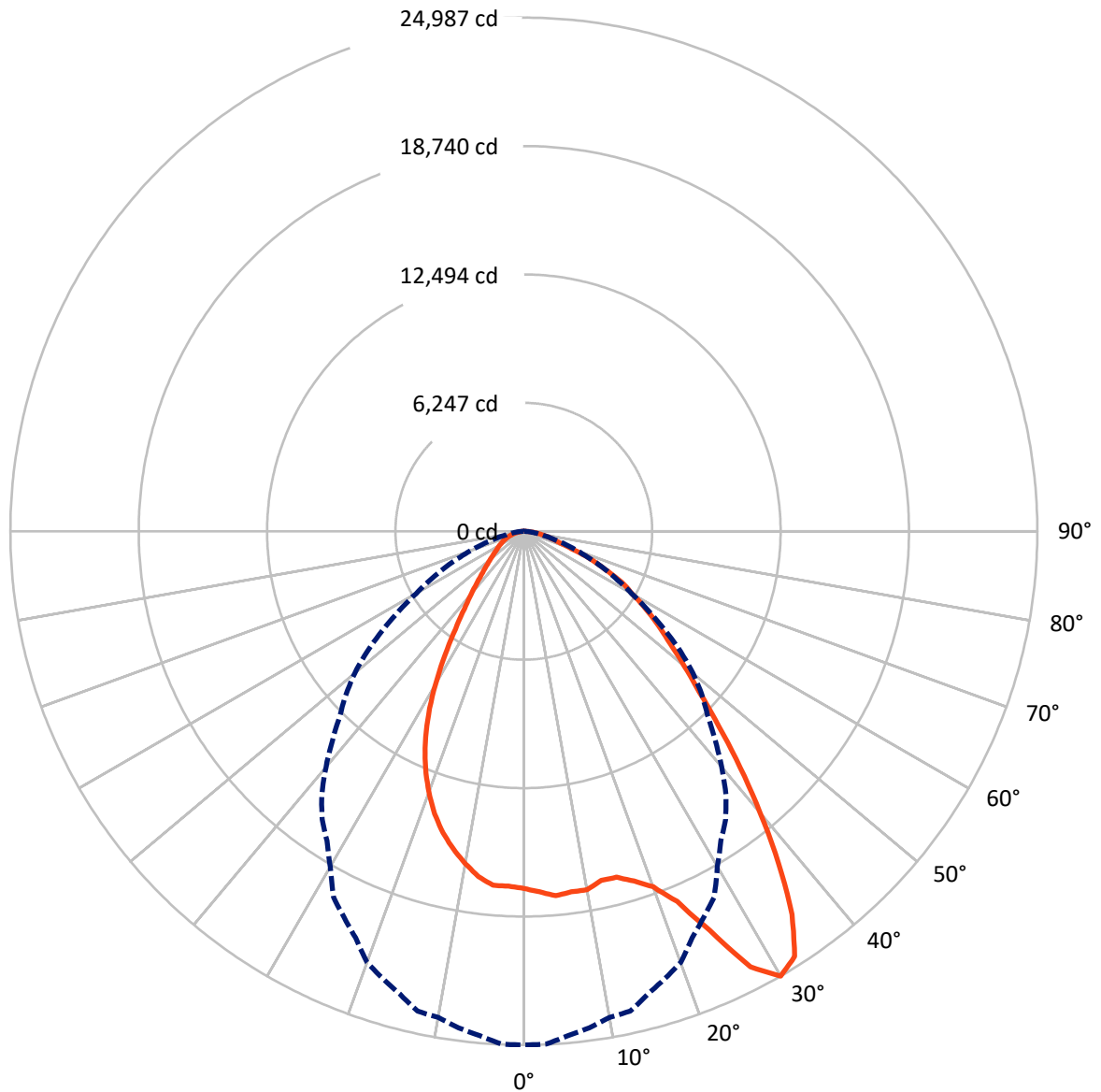
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Lumen Table



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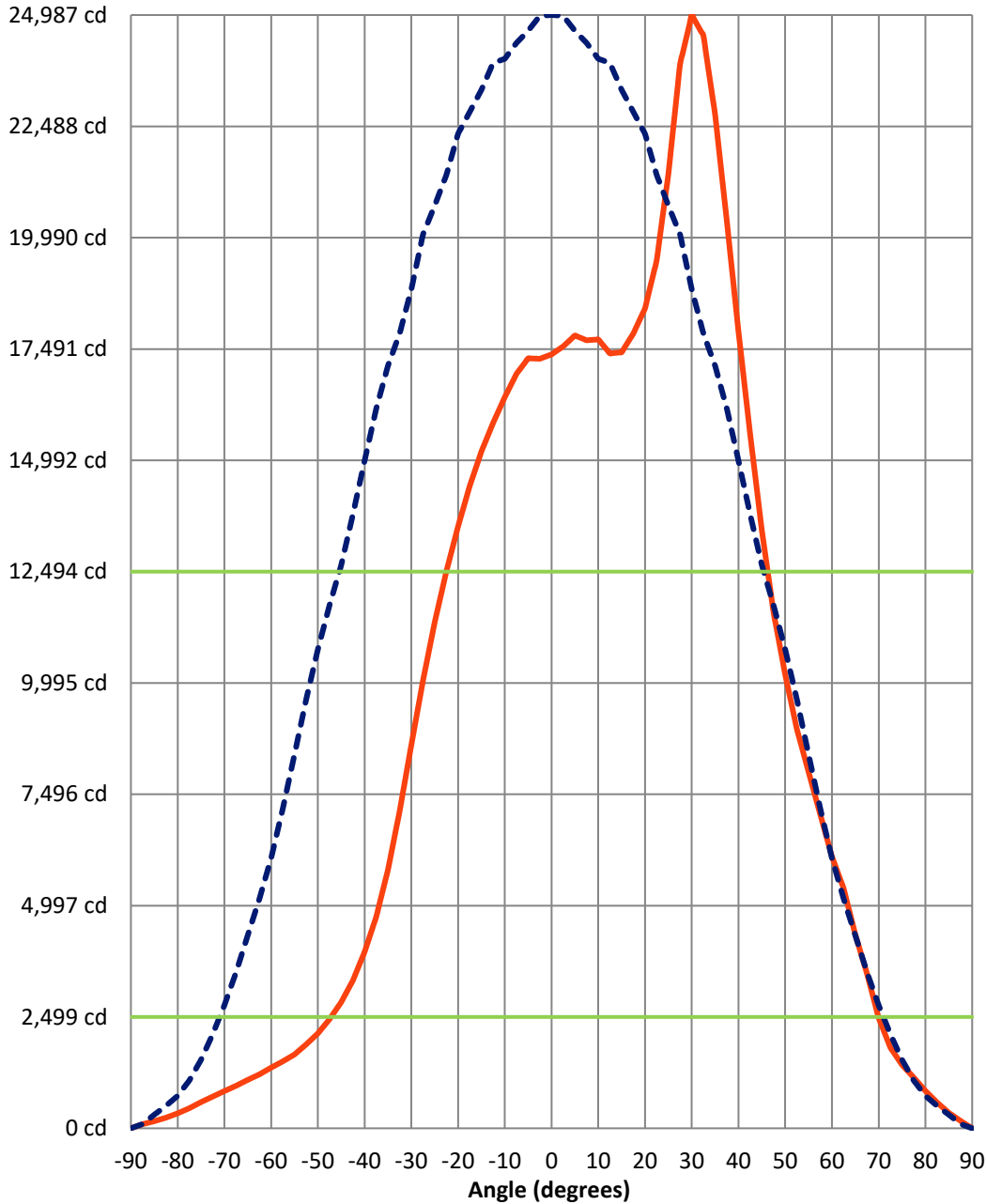
Luminous Intensity Polar Plot



— 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: 24254.7
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 39087.4
 Efficiency: 93.7%

Spill:
 Lumens: 2622.3
 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°	167.9	172.3	176.7	176.7	172.3	172.3	172.3	167.9	172.3	172.3	172.3
85°	349.1	357.9	366.7	362.3	357.9	349.1	340.2	344.6	349.1	353.5	353.5
82.5°	578.8	592.1	600.9	596.5	587.7	578.8	570.0	574.4	583.3	587.7	587.7
80°	839.5	844.0	848.4	857.2	844.0	844.0	839.5	857.2	866.0	874.9	883.7
77.5°	1140.0	1144.4	1144.4	1148.8	1153.3	1157.7	1157.7	1188.6	1210.7	1223.9	1237.2
75°	1422.8	1436.0	1449.3	1462.6	1480.2	1489.1	1502.3	1546.5	1581.9	1608.4	1634.9
72.5°	1811.6	1829.3	1851.4	1882.3	1913.2	1935.3	1966.3	2019.3	2059.1	2085.6	2116.5
70°	2478.8	2496.5	2518.6	2540.7	2571.6	2593.7	2624.6	2690.9	2730.7	2748.4	2766.0
67.5°	3468.6	3512.8	3552.5	3508.4	3486.3	3455.3	3464.2	3526.0	3565.8	3592.3	3587.9
65°	4347.9	4378.8	4378.8	4374.4	4356.7	4317.0	4339.1	4414.2	4458.4	4480.4	4414.2
62.5°	5381.8	5381.8	5359.7	5395.1	5399.5	5373.0	5359.7	5364.2	5368.6	5381.8	5271.4
60°	6097.7	6141.8	6155.1	6186.0	6194.9	6194.9	6217.0	6234.6	6234.6	6208.1	6080.0
57.5°	7043.2	7127.2	7144.9	7122.8	7078.6	7021.1	7012.3	6985.8	6932.8	6879.7	6817.9
55°	7997.6	8041.8	8037.4	8024.2	7980.0	7913.7	7922.5	7887.2	7803.2	7736.9	7653.0
52.5°	8956.5	9062.5	9080.2	9053.7	8991.8	8921.1	8925.5	8885.8	8801.8	8731.1	8616.2
50°	10180.4	10268.8	10260.0	10215.8	10127.4	10074.4	10078.8	10003.7	9906.5	9884.4	9734.1
47.5°	11581.1	11682.7	11665.1	11603.2	11483.9	11461.8	11483.9	11386.7	11329.3	11280.7	11103.9
45°	13419.2	13538.6	13472.3	13353.0	13163.0	13185.1	13216.0	13198.3	13074.6	12946.5	12721.1
42.5°	15575.5	15650.6	15571.1	15451.8	15213.2	15257.4	15239.7	15133.7	15058.5	14846.5	14559.2
40°	17882.0	18045.5	17921.8	17736.2	17488.8	17555.0	17506.4	17369.5	17192.7	16927.6	16565.3
37.5°	20369.7	20497.8	20356.4	20139.9	19919.0	19896.9	19799.7	19587.6	19335.7	19044.1	18465.3
35°	22751.3	23082.7	22822.0	22477.4	22207.8	22106.2	22013.4	21522.9	21235.7	20762.9	19972.0
32.5°	24523.2	24766.2	24443.6	24085.7	23758.7	23617.3	23290.4	22707.1	22552.5	21558.3	20833.6
30°	24987.1	24969.4	24633.6	24359.7	24006.2	23909.0	23308.0	22813.2	22318.3	21399.2	20709.9
27.5°	23882.5	23772.0	23449.4	23210.8	22861.8	22746.9	22154.8	21889.7	21125.3	20347.6	19764.3
25°	21421.3	21478.8	21235.7	21116.4	20886.7	20639.2	20405.0	20047.1	19569.9	18889.5	18354.8
22.5°	19481.6	19556.7	19455.0	19313.6	19136.9	18999.9	18823.2	18544.8	18085.3	17665.5	17161.8
20°	18403.4	18381.3	18293.0	18186.9	18019.0	17921.8	17727.4	17493.2	17139.7	16777.4	16233.9
17.5°	17837.8	17700.9	17616.9	17577.1	17488.8	17365.0	17135.3	16896.7	16622.7	16211.8	15814.1
15°	17418.1	17440.2	17373.9	17343.0	17272.3	17099.9	16865.7	16671.3	16300.2	16092.5	15730.2
12.5°	17391.6	17369.5	17373.9	17360.6	17272.3	17051.3	16932.0	16684.6	16446.0	16172.0	15756.7
10°	17705.3	17471.1	17488.8	17550.6	17409.2	17232.5	17104.4	16834.8	16609.5	16260.4	15849.5
7.5°	17687.6	17568.3	17603.7	17502.0	17546.2	17329.7	17153.0	16883.4	16600.6	16229.5	15858.3
5°	17793.6	17612.5	17581.6	17590.4	17479.9	17316.4	17077.8	16821.6	16556.4	16141.1	15761.1
2.5°	17550.6	17577.1	17435.7	17382.7	17369.5	17095.5	16874.6	16627.1	16353.2	15986.4	15646.2
0°	17369.5	17418.1	17272.3	17197.1	17192.7	16958.5	16817.1	16534.4	16339.9	16035.1	15624.1
-2.5°	17272.3	17329.7	17347.4	17210.4	17077.8	16896.7	16658.1	16353.2	16035.1	15681.6	15328.1
-5°	17281.1	17166.2	17117.6	17161.8	17046.9	16865.7	16600.6	16331.1	16017.4	15637.4	15195.5
-7.5°	16932.0	16817.1	16808.3	16786.2	16759.7	16587.4	16366.4	16074.8	15756.7	15403.2	14992.3
-10°	16410.6	16326.7	16304.6	16282.5	16211.8	16110.2	15902.5	15637.4	15350.2	14996.7	14559.2
-12.5°	15831.8	15792.0	15708.1	15650.6	15579.9	15460.6	15261.8	15018.8	14731.6	14417.8	14042.3
-15°	15191.1	15116.0	15032.0	14983.4	14881.8	14740.4	14541.6	14316.2	14002.5	13693.2	13339.7
-17.5°	14417.8	14325.1	14232.3	14219.0	14148.3	13931.8	13746.2	13472.3	13198.3	12902.3	12557.6
-20°	13507.6	13379.5	13317.6	13282.3	13185.1	13026.0	12827.2	12575.3	12310.2	12027.4	11629.7



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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°	12500.2	12389.7	12283.7	12217.4	12133.4	12009.7	11819.7	11598.8	11338.1	11020.0	10653.2
-25°	11355.8	11201.1	11134.8	11059.7	11015.5	10900.7	10715.1	10511.8	10242.3	9933.0	9583.9
-27.5°	10047.9	9924.1	9888.8	9782.8	9729.7	9610.4	9455.8	9265.8	9018.3	8726.7	8439.5
-30°	8603.0	8527.9	8470.4	8364.4	8324.6	8196.5	8094.9	7935.8	7710.4	7502.8	7273.0
-32.5°	7118.3	7043.2	7025.6	6976.9	6950.4	6866.5	6751.6	6636.7	6455.6	6300.9	6115.3
-35°	5801.6	5748.6	5753.0	5748.6	5722.1	5660.2	5518.8	5487.9	5355.3	5213.9	5094.6
-37.5°	4750.0	4754.4	4750.0	4745.6	4710.2	4683.7	4582.1	4542.3	4462.8	4325.8	4255.1
-40°	3959.1	3967.9	3963.5	3954.6	3914.9	3901.6	3835.3	3782.3	3751.4	3654.2	3579.1
-42.5°	3318.4	3331.6	3327.2	3322.8	3296.3	3291.8	3256.5	3194.6	3177.0	3119.5	3040.0
-45°	2832.3	2827.9	2819.1	2827.9	2814.6	2801.4	2779.3	2739.5	2717.4	2690.9	2624.6
-47.5°	2447.9	2452.3	2443.5	2443.5	2425.8	2412.5	2403.7	2377.2	2359.5	2337.4	2297.7
-50°	2129.8	2147.4	2143.0	2138.6	2125.3	2116.5	2116.5	2090.0	2063.5	2054.6	2028.1
-52.5°	1882.3	1895.6	1900.0	1908.8	1913.2	1917.7	1904.4	1877.9	1833.7	1829.3	1816.0
-55°	1657.0	1696.7	1723.2	1740.9	1758.6	1771.9	1745.3	1710.0	1665.8	1648.1	1643.7
-57.5°	1502.3	1542.1	1573.0	1599.5	1621.6	1643.7	1617.2	1581.9	1542.1	1520.0	1515.6
-60°	1360.9	1396.3	1427.2	1462.6	1493.5	1528.8	1515.6	1489.1	1467.0	1449.3	1431.6
-62.5°	1210.7	1246.0	1281.4	1325.6	1365.3	1400.7	1405.1	1400.7	1396.3	1400.7	1369.8
-65°	1087.0	1104.6	1126.7	1175.3	1219.5	1259.3	1281.4	1294.6	1316.7	1338.8	1307.9
-67.5°	954.4	976.5	1003.0	1038.4	1073.7	1100.2	1131.2	1166.5	1201.9	1237.2	1215.1
-70°	835.1	852.8	874.9	892.6	914.6	932.3	958.8	998.6	1038.4	1073.7	1064.9
-72.5°	711.4	729.1	742.3	751.2	764.4	773.3	786.5	821.9	848.4	866.0	866.0
-75°	587.7	605.3	618.6	623.0	631.9	636.3	645.1	658.4	671.6	676.0	680.5
-77.5°	450.7	468.4	481.6	490.5	499.3	508.1	512.6	521.4	525.8	525.8	530.2
-80°	335.8	349.1	357.9	371.2	375.6	384.4	393.3	397.7	402.1	402.1	406.5
-82.5°	238.6	247.4	256.3	265.1	274.0	278.4	287.2	291.6	296.0	300.5	304.9
-85°	159.1	167.9	176.7	185.6	190.0	194.4	198.8	203.3	207.7	212.1	216.5
-87.5°	92.8	97.2	101.6	110.5	114.9	123.7	128.1	123.7	128.1	128.1	128.1
-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°	172.3	172.3	172.3	172.3	167.9	159.1	154.7	145.8	137.0	128.1	119.3
85°	357.9	362.3	362.3	362.3	353.5	349.1	335.8	322.6	304.9	278.4	256.3
82.5°	596.5	600.9	600.9	596.5	587.7	574.4	556.7	534.6	499.3	464.0	433.0
80°	897.0	901.4	901.4	897.0	874.9	852.8	830.7	804.2	760.0	711.4	658.4
77.5°	1254.9	1263.7	1263.7	1250.5	1219.5	1193.0	1157.7	1113.5	1047.2	976.5	905.8
75°	1670.2	1692.3	1696.7	1683.5	1643.7	1595.1	1537.7	1462.6	1360.9	1272.6	1188.6
72.5°	2151.9	2173.9	2191.6	2173.9	2116.5	2050.2	1966.3	1877.9	1776.3	1657.0	1515.6
70°	2783.7	2805.8	2819.1	2761.6	2660.0	2549.5	2447.9	2346.3	2227.0	2081.2	1926.5
67.5°	3579.1	3557.0	3530.5	3415.6	3287.4	3154.9	3013.5	2863.2	2708.6	2553.9	2372.8
65°	4343.5	4281.6	4224.2	4087.2	3923.7	3751.4	3587.9	3420.0	3234.4	3040.0	2867.7
62.5°	5147.7	5015.1	4873.7	4705.8	4537.9	4347.9	4184.4	3985.6	3777.9	3539.3	3318.4
60°	5938.6	5779.5	5638.1	5430.4	5209.5	4953.2	4776.5	4582.1	4339.1	4082.8	3822.1
57.5°	6703.0	6530.7	6376.0	6194.9	5956.3	5677.9	5483.5	5231.6	4975.3	4652.8	4387.7
55°	7516.0	7343.7	7220.0	7016.7	6756.0	6499.7	6287.6	6022.5	5664.6	5320.0	4993.0
52.5°	8448.3	8311.4	8178.8	7971.1	7657.4	7396.7	7162.5	6866.5	6490.9	6066.7	5673.5
50°	9491.1	9420.4	9279.0	9036.0	8678.1	8448.3	8139.0	7745.8	7343.7	6897.4	6407.0
47.5°	10874.1	10759.3	10560.4	10295.3	9994.8	9650.2	9234.8	8775.3	8205.3	7710.4	7189.0
45°	12526.7	12314.6	12058.3	11700.4	11329.3	10940.4	10485.3	9902.1	9137.6	8492.5	7944.6
42.5°	14316.2	14029.0	13679.9	13211.6	12729.9	12252.7	11762.3	10966.9	10012.5	9270.2	8651.6
40°	16185.3	15818.5	15381.1	14700.6	14166.0	13551.8	12990.6	11802.0	10785.8	9981.6	9323.2
37.5°	18014.6	17550.6	16817.1	15990.9	15367.8	14864.1	13631.3	12358.8	11448.6	10564.8	9897.6
35°	19415.3	19022.0	17727.4	16870.2	16335.5	15540.2	13998.1	12694.6	11731.3	10997.9	9959.5
32.5°	20246.0	19229.7	18094.1	17228.1	16786.2	15482.7	14024.6	12791.8	11863.9	11042.0	9800.4
30°	20060.4	18832.0	17837.8	17113.2	16154.4	14983.4	13777.2	12641.6	11740.2	10746.0	9623.7
27.5°	18942.5	17992.5	17104.4	16348.8	15407.6	14356.0	13242.5	12243.9	11404.4	10441.1	9380.7
25°	17678.8	16817.1	16158.8	15500.4	14607.8	13604.8	12623.9	11903.7	11059.7	10109.7	9062.5
22.5°	16516.7	15898.1	15381.1	14691.8	13821.3	12946.5	12336.7	11590.0	10723.9	9760.7	8735.5
20°	15774.4	15354.6	14762.5	14002.5	13317.6	12769.7	12093.7	11302.7	10410.2	9402.8	8457.2
17.5°	15416.5	14930.4	14272.0	13777.2	13251.3	12650.4	11894.8	11055.3	10105.3	9239.3	8488.1
15°	15230.9	14718.3	14285.3	13799.2	13207.2	12575.3	11735.8	10865.3	10105.3	9305.5	8510.2
12.5°	15270.6	14828.8	14356.0	13825.8	13189.5	12513.4	11753.4	10944.8	10158.3	9354.1	8514.6
10°	15394.4	14930.4	14426.7	13839.0	13198.3	12531.1	11802.0	10993.4	10184.8	9376.2	8505.8
7.5°	15438.5	14934.8	14395.8	13803.7	13176.2	12522.3	11810.9	11006.7	10189.3	9371.8	8479.3
5°	15301.6	14846.5	14325.1	13728.5	13114.4	12478.1	11775.5	10989.0	10153.9	9327.6	8413.0
2.5°	15116.0	14749.2	14249.9	13675.5	13052.5	12416.2	11718.1	10909.5	10074.4	9248.1	8329.0
0°	15085.1	14629.9	14126.2	13613.7	12950.9	12279.3	11585.5	10759.3	9928.6	9097.9	8183.2
-2.5°	14881.8	14400.2	13896.5	13339.7	12756.5	12080.4	11351.4	10542.7	9720.9	8903.5	8024.2
-5°	14727.2	14192.5	13657.9	13056.9	12469.3	11793.2	11037.6	10251.1	9446.9	8651.6	7803.2
-7.5°	14519.5	13971.6	13410.4	12783.0	12146.7	11457.4	10710.7	9924.1	9133.2	8342.3	7529.3
-10°	14099.7	13618.1	13092.3	12442.7	11771.1	11081.8	10339.5	9566.2	8775.3	7975.5	7158.1
-12.5°	13591.6	13083.4	12509.0	11912.5	11311.6	10670.9	9928.6	9168.6	8373.2	7569.0	6756.0
-15°	12933.2	12433.9	11846.2	11263.0	10684.1	10070.0	9416.0	8731.1	7922.5	7131.6	6318.6
-17.5°	12111.3	11643.0	11117.2	10560.4	9986.0	9367.4	8731.1	8152.3	7396.7	6654.4	5850.2
-20°	11227.6	10790.2	10317.4	9791.6	9217.2	8611.8	8010.9	7405.6	6751.6	6097.7	5350.9



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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°	10308.6	9866.7	9389.5	8899.0	8368.8	7807.6	7250.9	6672.1	6097.7	5505.6	4873.7
-25°	9248.1	8859.3	8421.8	7944.6	7471.8	6981.4	6451.1	5925.3	5434.9	4922.3	4405.3
-27.5°	8139.0	7781.1	7383.5	6968.1	6561.6	6150.7	5691.1	5205.1	4798.6	4374.4	3945.8
-30°	6972.5	6685.3	6362.8	6000.4	5686.7	5355.3	4970.9	4568.8	4197.7	3875.1	3530.5
-32.5°	5867.9	5624.9	5395.1	5156.5	4847.2	4590.9	4325.8	4029.8	3702.8	3397.9	3150.5
-35°	4917.9	4657.2	4560.0	4383.2	4162.3	3937.0	3742.5	3530.5	3283.0	3013.5	2810.2
-37.5°	4118.1	3963.5	3826.5	3729.3	3583.5	3402.3	3247.7	3093.0	2903.0	2699.8	2496.5
-40°	3495.1	3389.1	3238.8	3190.2	3097.4	2973.7	2814.6	2695.3	2567.2	2412.5	2240.2
-42.5°	2995.8	2916.3	2819.1	2735.1	2695.3	2607.0	2483.2	2368.4	2266.7	2160.7	2028.1
-45°	2584.9	2531.9	2470.0	2394.9	2363.9	2293.2	2204.9	2076.7	2019.3	1930.9	1833.7
-47.5°	2253.5	2227.0	2182.8	2134.2	2090.0	2037.0	1957.4	1877.9	1798.4	1740.9	1665.8
-50°	1992.8	1975.1	1948.6	1908.8	1851.4	1816.0	1763.0	1692.3	1617.2	1568.6	1515.6
-52.5°	1785.1	1767.4	1749.8	1718.8	1674.6	1639.3	1595.1	1537.7	1475.8	1427.2	1383.0
-55°	1626.0	1599.5	1586.3	1559.8	1524.4	1484.6	1444.9	1405.1	1352.1	1307.9	1263.7
-57.5°	1502.3	1467.0	1449.3	1427.2	1391.9	1352.1	1321.2	1281.4	1246.0	1197.4	1157.7
-60°	1405.1	1365.3	1330.0	1307.9	1277.0	1237.2	1206.3	1175.3	1140.0	1100.2	1051.6
-62.5°	1325.6	1277.0	1228.4	1201.9	1170.9	1135.6	1104.6	1073.7	1038.4	998.6	954.4
-65°	1250.5	1193.0	1131.2	1104.6	1073.7	1038.4	998.6	976.5	945.6	910.2	866.0
-67.5°	1157.7	1095.8	1042.8	1011.9	980.9	950.0	914.6	892.6	861.6	817.4	773.3
-70°	1020.7	980.9	945.6	919.1	892.6	866.0	830.7	795.3	760.0	720.2	680.5
-72.5°	848.4	835.1	830.7	817.4	786.5	755.6	720.2	684.9	654.0	623.0	592.1
-75°	684.9	693.7	702.6	698.1	667.2	636.3	605.3	574.4	552.3	525.8	499.3
-77.5°	543.5	552.3	561.2	561.2	539.1	521.4	499.3	477.2	459.5	437.4	410.9
-80°	419.8	433.0	446.3	455.1	437.4	424.2	406.5	388.8	371.2	353.5	335.8
-82.5°	318.1	331.4	344.6	353.5	340.2	331.4	318.1	304.9	291.6	274.0	260.7
-85°	229.8	238.6	247.4	251.9	243.0	234.2	225.3	216.5	207.7	194.4	185.6
-87.5°	132.6	137.0	141.4	145.8	137.0	128.1	123.7	114.9	110.5	101.6	97.2
-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):

	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°	110.5	101.6	92.8	88.4	79.5	66.3	57.4	48.6	39.8	30.9	26.5
85°	234.2	212.1	185.6	172.3	154.7	137.0	119.3	101.6	84.0	66.3	48.6
82.5°	402.1	375.6	349.1	318.1	278.4	229.8	181.2	150.2	123.7	97.2	75.1
80°	605.3	556.7	512.6	472.8	428.6	366.7	300.5	238.6	167.9	128.1	97.2
77.5°	839.5	782.1	720.2	654.0	583.3	499.3	424.2	344.6	260.7	176.7	123.7
75°	1104.6	1029.5	945.6	852.8	760.0	649.5	543.5	450.7	353.5	247.4	150.2
72.5°	1400.7	1307.9	1206.3	1082.6	936.7	808.6	680.5	556.7	441.9	313.7	203.3
70°	1780.7	1634.9	1484.6	1352.1	1166.5	963.3	813.0	671.6	525.8	384.4	256.3
67.5°	2187.2	2010.5	1829.3	1634.9	1400.7	1162.1	945.6	786.5	614.2	450.7	304.9
65°	2629.1	2408.1	2178.4	1961.9	1639.3	1356.5	1113.5	897.0	698.1	512.6	353.5
62.5°	3084.2	2823.5	2558.4	2275.6	1904.4	1555.3	1272.6	1020.7	777.7	570.0	397.7
60°	3570.2	3265.3	2942.8	2589.3	2156.3	1771.9	1422.8	1148.8	861.6	627.4	446.3
57.5°	4082.8	3751.4	3371.4	2894.2	2417.0	1979.5	1595.1	1263.7	936.7	680.5	481.6
55°	4639.5	4259.5	3844.2	3212.3	2673.2	2187.2	1767.4	1378.6	1016.3	724.6	517.0
52.5°	5240.4	4798.6	4272.8	3548.1	2942.8	2399.3	1926.5	1480.2	1091.4	773.3	547.9
50°	5912.1	5355.3	4648.4	3857.4	3177.0	2598.1	2085.6	1590.7	1153.3	826.3	574.4
47.5°	6610.2	6009.3	4984.2	4144.6	3415.6	2792.5	2249.1	1687.9	1215.1	870.5	600.9
45°	7339.3	6464.4	5333.2	4400.9	3623.2	2969.3	2372.8	1776.3	1290.2	910.2	623.0
42.5°	8059.5	6809.0	5638.1	4657.2	3817.7	3128.4	2474.4	1860.2	1352.1	950.0	645.1
40°	8399.7	7069.7	5881.1	4833.9	3981.1	3269.8	2562.8	1935.3	1405.1	976.5	667.2
37.5°	8541.1	7228.8	6040.2	5001.8	4109.3	3344.9	2637.9	2001.6	1449.3	1003.0	684.9
35°	8572.1	7286.2	6119.7	5116.7	4215.3	3415.6	2695.3	2050.2	1484.6	1029.5	702.6
32.5°	8514.6	7268.6	6141.8	5156.5	4281.6	3468.6	2735.1	2085.6	1511.2	1056.0	720.2
30°	8386.5	7175.8	6062.3	5152.1	4330.2	3499.5	2761.6	2112.1	1537.7	1073.7	729.1
27.5°	8178.8	7012.3	5960.7	5156.5	4356.7	3512.8	2774.9	2125.3	1555.3	1087.0	746.7
25°	7922.5	6791.4	5965.1	5147.7	4361.1	3517.2	2774.9	2125.3	1559.8	1091.4	760.0
22.5°	7626.5	6791.4	5965.1	5134.4	4334.6	3508.4	2761.6	2116.5	1559.8	1100.2	773.3
20°	7644.2	6795.8	5951.8	5107.9	4294.9	3481.8	2730.7	2094.4	1546.5	1113.5	782.1
17.5°	7657.4	6786.9	5925.3	5072.5	4241.8	3437.7	2690.9	2063.5	1546.5	1126.7	786.5
15°	7657.4	6760.4	5885.6	5019.5	4175.6	3375.8	2633.5	2037.0	1550.9	1131.2	795.3
12.5°	7644.2	6711.8	5823.7	4948.8	4096.0	3300.7	2598.1	2028.1	1550.9	1135.6	795.3
10°	7617.6	6645.6	5744.2	4860.4	4020.9	3274.2	2580.5	2010.5	1542.1	1135.6	795.3
7.5°	7569.0	6566.0	5677.9	4807.4	3976.7	3243.2	2553.9	1983.9	1528.8	1126.7	804.2
5°	7493.9	6521.8	5624.9	4745.6	3914.9	3221.1	2536.3	1961.9	1520.0	1126.7	795.3
2.5°	7396.7	6468.8	5563.0	4666.0	3844.2	3146.0	2478.8	1913.2	1489.1	1109.1	786.5
0°	7237.6	6362.8	5457.0	4555.6	3747.0	3070.9	2421.4	1864.6	1458.1	1091.4	777.7
-2.5°	7091.8	6221.4	5320.0	4440.7	3654.2	3004.6	2377.2	1838.1	1444.9	1087.0	773.3
-5°	6888.6	6027.0	5138.8	4290.4	3530.5	2938.4	2333.0	1807.2	1431.6	1078.1	773.3
-7.5°	6663.2	5823.7	4948.8	4135.8	3406.7	2823.5	2249.1	1758.6	1400.7	1060.5	768.8
-10°	6314.2	5518.8	4710.2	3959.1	3274.2	2721.8	2178.4	1714.4	1374.2	1042.8	751.2
-12.5°	5943.0	5183.0	4436.3	3742.5	3123.9	2615.8	2098.8	1665.8	1343.3	1025.1	742.3
-15°	5549.7	4838.4	4149.1	3517.2	2960.5	2487.7	2014.9	1612.8	1312.3	1003.0	729.1
-17.5°	5138.8	4476.0	3853.0	3287.4	2797.0	2355.1	1926.5	1564.2	1277.0	980.9	715.8
-20°	4705.8	4104.9	3552.5	3053.2	2624.6	2222.5	1833.7	1506.7	1237.2	954.4	698.1



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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°	4277.2	3738.1	3243.2	2823.5	2447.9	2085.6	1740.9	1449.3	1193.0	923.5	684.9
-25°	3897.2	3393.5	2969.3	2602.5	2275.6	1953.0	1643.7	1391.9	1144.4	892.6	667.2
-27.5°	3526.0	3097.4	2699.8	2394.9	2107.7	1824.9	1550.9	1330.0	1095.8	857.2	649.5
-30°	3181.4	2814.6	2487.7	2191.6	1948.6	1710.0	1471.4	1268.1	1042.8	821.9	627.4
-32.5°	2867.7	2571.6	2297.7	2014.9	1798.4	1595.1	1396.3	1206.3	989.8	786.5	605.3
-35°	2576.0	2346.3	2107.7	1869.1	1648.1	1489.1	1316.7	1140.0	941.2	746.7	583.3
-37.5°	2315.3	2129.8	1939.8	1736.5	1546.5	1387.4	1241.6	1073.7	892.6	711.4	561.2
-40°	2090.0	1939.8	1771.9	1608.4	1449.3	1299.1	1166.5	1007.4	844.0	684.9	539.1
-42.5°	1882.3	1767.4	1630.5	1493.5	1352.1	1219.5	1091.4	936.7	795.3	654.0	517.0
-45°	1723.2	1608.4	1497.9	1374.2	1254.9	1140.0	1011.9	874.9	751.2	618.6	494.9
-47.5°	1573.0	1471.4	1369.8	1268.1	1170.9	1064.9	936.7	821.9	702.6	587.7	477.2
-50°	1440.5	1343.3	1254.9	1166.5	1082.6	980.9	861.6	768.8	662.8	556.7	455.1
-52.5°	1316.7	1232.8	1144.4	1073.7	1003.0	901.4	804.2	715.8	623.0	521.4	433.0
-55°	1206.3	1126.7	1047.2	980.9	914.6	826.3	746.7	671.6	583.3	494.9	410.9
-57.5°	1100.2	1033.9	958.8	897.0	830.7	760.0	693.7	623.0	543.5	468.4	388.8
-60°	1003.0	941.2	874.9	813.0	755.6	698.1	636.3	578.8	508.1	437.4	366.7
-62.5°	905.8	852.8	795.3	733.5	689.3	636.3	587.7	530.2	472.8	410.9	327.0
-65°	817.4	768.8	715.8	662.8	623.0	583.3	539.1	486.0	437.4	380.0	291.6
-67.5°	729.1	684.9	640.7	596.5	561.2	530.2	486.0	446.3	406.5	344.6	256.3
-70°	645.1	609.8	570.0	534.6	508.1	472.8	441.9	406.5	371.2	300.5	216.5
-72.5°	565.6	530.2	499.3	472.8	450.7	419.8	393.3	366.7	318.1	251.9	181.2
-75°	472.8	450.7	433.0	410.9	388.8	366.7	344.6	313.7	265.1	203.3	141.4
-77.5°	388.8	375.6	362.3	344.6	327.0	309.3	282.8	251.9	212.1	159.1	114.9
-80°	318.1	304.9	296.0	278.4	265.1	247.4	220.9	194.4	154.7	123.7	92.8
-82.5°	243.0	234.2	225.3	216.5	203.3	185.6	159.1	137.0	114.9	92.8	70.7
-85°	172.3	167.9	159.1	150.2	137.0	123.7	106.0	92.8	79.5	61.9	48.6
-87.5°	88.4	84.0	79.5	75.1	70.7	61.9	53.0	44.2	39.8	30.9	22.1
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	17.7	13.3	4.4	0.0
85°	35.3	22.1	8.8	0.0
82.5°	53.0	35.3	13.3	0.0
80°	70.7	44.2	22.1	0.0
77.5°	88.4	53.0	26.5	0.0
75°	106.0	66.3	30.9	0.0
72.5°	119.3	75.1	35.3	0.0
70°	141.4	88.4	39.8	0.0
67.5°	176.7	97.2	44.2	0.0
65°	207.7	106.0	48.6	0.0
62.5°	243.0	114.9	53.0	0.0
60°	274.0	123.7	57.4	0.0
57.5°	304.9	145.8	61.9	0.0
55°	331.4	163.5	66.3	0.0
52.5°	362.3	181.2	70.7	0.0
50°	388.8	198.8	75.1	0.0
47.5°	410.9	216.5	75.1	0.0
45°	428.6	229.8	79.5	0.0
42.5°	441.9	243.0	84.0	0.0
40°	455.1	256.3	88.4	0.0
37.5°	468.4	269.5	88.4	0.0
35°	481.6	282.8	92.8	0.0
32.5°	494.9	296.0	92.8	0.0
30°	503.7	304.9	97.2	0.0
27.5°	517.0	313.7	97.2	0.0
25°	521.4	322.6	101.6	0.0
22.5°	530.2	327.0	101.6	0.0
20°	539.1	335.8	101.6	0.0
17.5°	543.5	340.2	106.0	0.0
15°	543.5	344.6	110.5	0.0
12.5°	547.9	349.1	110.5	0.0
10°	547.9	357.9	106.0	0.0
7.5°	556.7	353.5	106.0	0.0
5°	552.3	353.5	106.0	0.0
2.5°	547.9	349.1	106.0	0.0
0°	543.5	349.1	106.0	0.0
-2.5°	543.5	349.1	106.0	0.0
-5°	543.5	349.1	106.0	0.0
-7.5°	539.1	353.5	106.0	0.0
-10°	530.2	353.5	106.0	0.0
-12.5°	525.8	340.2	106.0	0.0
-15°	521.4	335.8	106.0	0.0
-17.5°	512.6	331.4	101.6	0.0
-20°	503.7	327.0	101.6	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	494.9	318.1	101.6	0.0
-25°	486.0	309.3	97.2	0.0
-27.5°	477.2	300.5	97.2	0.0
-30°	464.0	291.6	92.8	0.0
-32.5°	450.7	282.8	92.8	0.0
-35°	441.9	269.5	88.4	0.0
-37.5°	428.6	256.3	88.4	0.0
-40°	415.3	243.0	84.0	0.0
-42.5°	402.1	229.8	79.5	0.0
-45°	384.4	216.5	79.5	0.0
-47.5°	371.2	203.3	75.1	0.0
-50°	349.1	185.6	70.7	0.0
-52.5°	322.6	167.9	66.3	0.0
-55°	296.0	154.7	61.9	0.0
-57.5°	269.5	137.0	61.9	0.0
-60°	243.0	119.3	57.4	0.0
-62.5°	216.5	110.5	53.0	0.0
-65°	190.0	101.6	48.6	0.0
-67.5°	159.1	88.4	44.2	0.0
-70°	132.6	79.5	39.8	0.0
-72.5°	114.9	70.7	35.3	0.0
-75°	97.2	61.9	30.9	0.0
-77.5°	84.0	53.0	26.5	0.0
-80°	66.3	39.8	17.7	0.0
-82.5°	48.6	30.9	13.3	0.0
-85°	30.9	22.1	8.8	0.0
-87.5°	17.7	8.8	4.4	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)