

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: P721997

Luminaire Tested: **IFLD-S-SA3E-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721997
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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

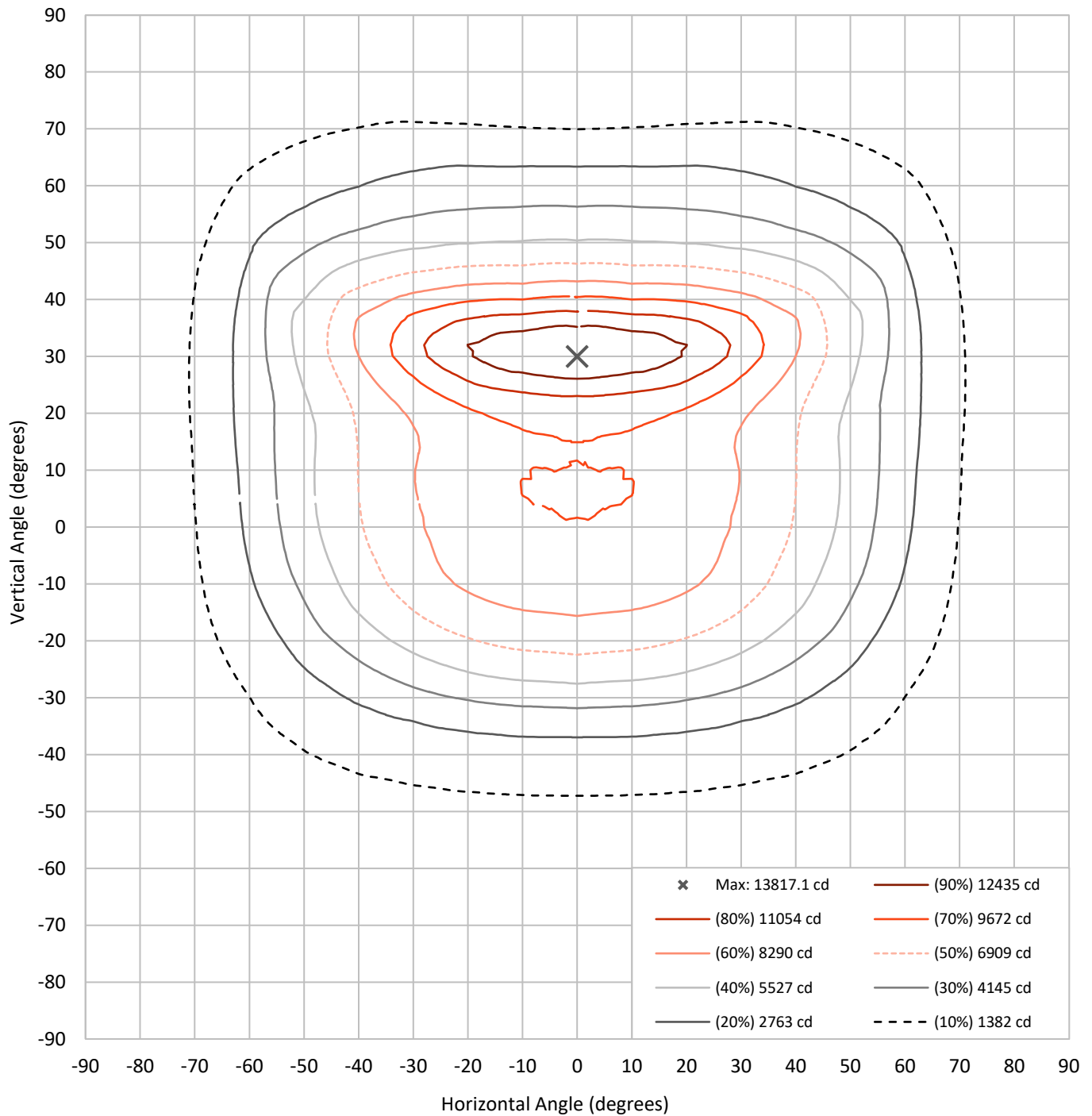
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23064.2 lumens	Max Intensity:	13817.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	99.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	13412.1 lumens	Field Lumens:	21614.2 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 232.1
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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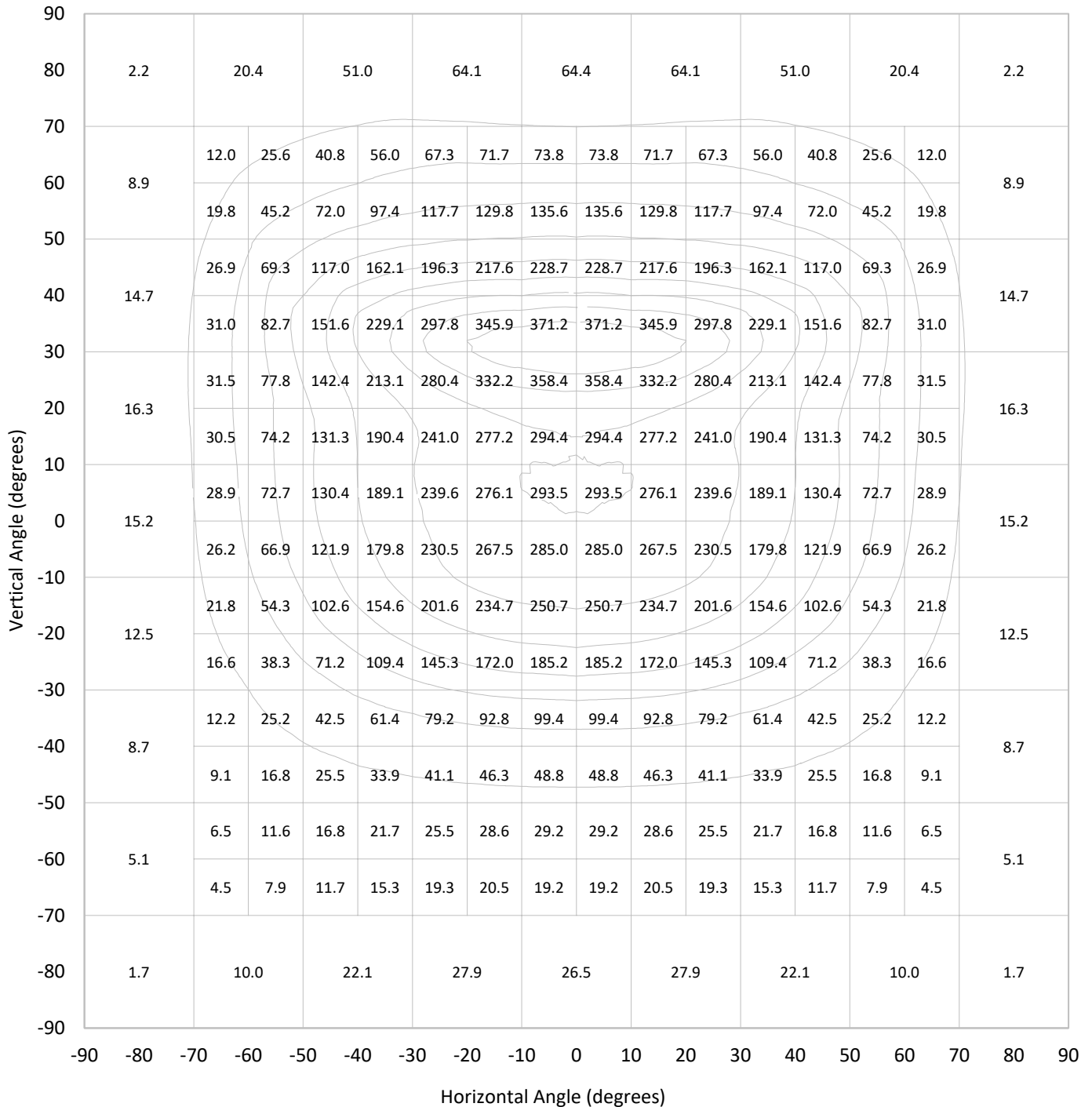
Iso-Candela Plot





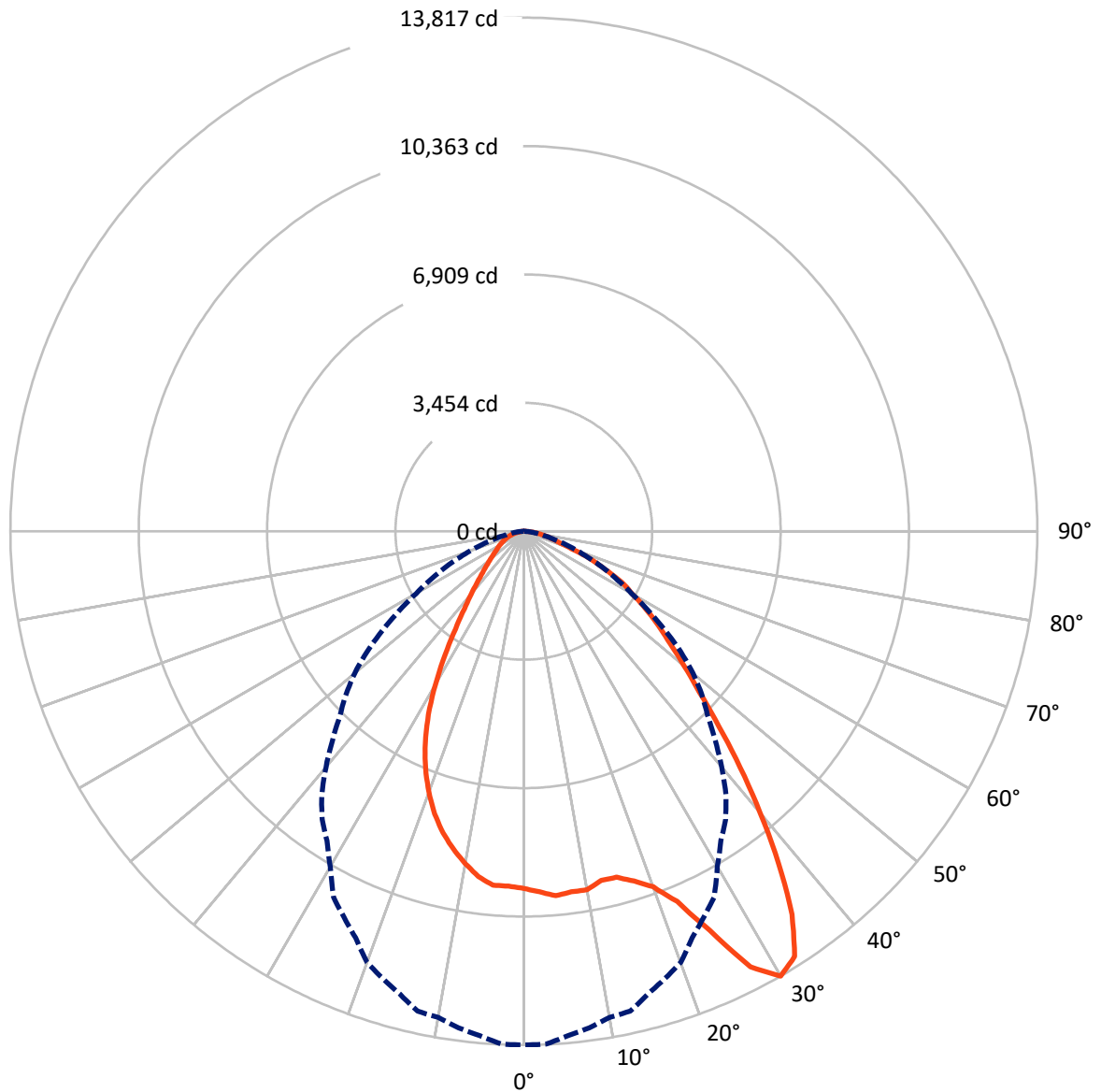
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Lumen Table



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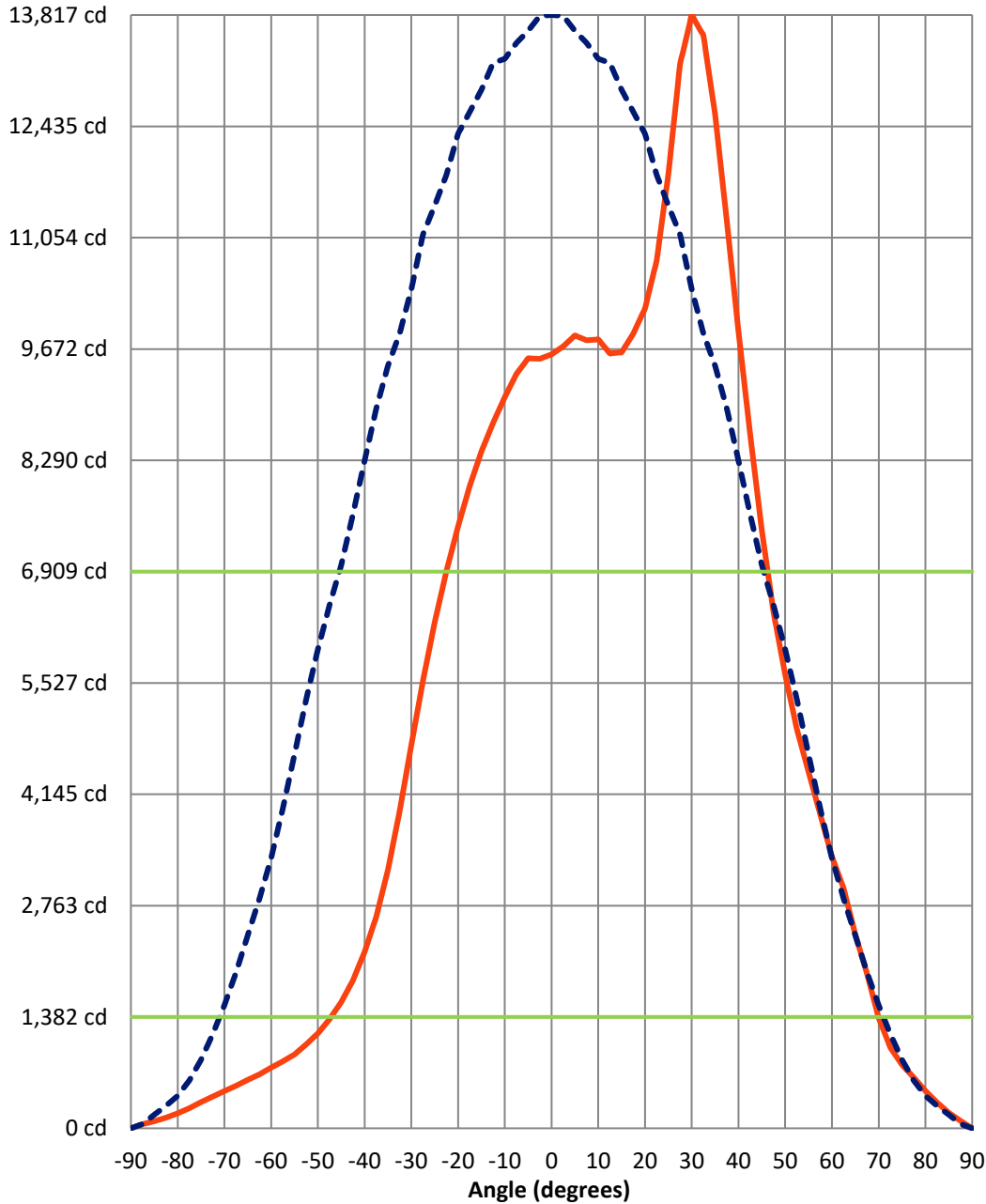
Luminous Intensity Polar Plot



— 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: 13412.1
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 21614.2
 Efficiency: 93.7%

Spill:
 Lumens: 1450.1
 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°	92.8	95.3	97.7	97.7	95.3	95.3	95.3	92.8	95.3	95.3	95.3
85°	193.0	197.9	202.8	200.4	197.9	193.0	188.1	190.6	193.0	195.5	195.5
82.5°	320.1	327.4	332.3	329.9	325.0	320.1	315.2	317.6	322.5	325.0	325.0
80°	464.2	466.7	469.1	474.0	466.7	466.7	464.2	474.0	478.9	483.8	488.7
77.5°	630.4	632.8	632.8	635.3	637.7	640.2	640.2	657.3	669.5	676.8	684.1
75°	786.8	794.1	801.4	808.7	818.5	823.4	830.7	855.2	874.7	889.4	904.0
72.5°	1001.8	1011.5	1023.8	1040.9	1058.0	1070.2	1087.3	1116.6	1138.6	1153.3	1170.4
70°	1370.7	1380.5	1392.7	1404.9	1422.0	1434.2	1451.3	1488.0	1510.0	1519.8	1529.5
67.5°	1918.0	1942.5	1964.4	1940.0	1927.8	1910.7	1915.6	1949.8	1971.8	1986.4	1984.0
65°	2404.3	2421.4	2421.4	2418.9	2409.1	2387.1	2399.4	2440.9	2465.3	2477.6	2440.9
62.5°	2976.0	2976.0	2963.8	2983.3	2985.8	2971.1	2963.8	2966.2	2968.7	2976.0	2914.9
60°	3371.8	3396.2	3403.6	3420.7	3425.6	3425.6	3437.8	3447.6	3447.6	3432.9	3362.0
57.5°	3894.7	3941.1	3950.9	3938.7	3914.2	3882.5	3877.6	3862.9	3833.6	3804.3	3770.1
55°	4422.5	4446.9	4444.4	4437.1	4412.7	4376.0	4380.9	4361.4	4314.9	4278.3	4231.9
52.5°	4952.7	5011.3	5021.1	5006.4	4972.2	4933.1	4935.6	4913.6	4867.1	4828.0	4764.5
50°	5629.5	5678.3	5673.4	5649.0	5600.1	5570.8	5573.3	5531.7	5478.0	5465.8	5382.7
47.5°	6404.0	6460.2	6450.4	6416.2	6350.3	6338.0	6350.3	6296.5	6264.7	6237.9	6140.1
45°	7420.4	7486.4	7449.8	7383.8	7278.7	7290.9	7308.0	7298.3	7229.9	7159.0	7034.4
42.5°	8612.8	8654.3	8610.3	8544.4	8412.4	8436.9	8427.1	8368.5	8326.9	8209.6	8050.8
40°	9888.2	9978.6	9910.2	9807.6	9670.8	9707.4	9680.5	9604.8	9507.1	9360.5	9160.1
37.5°	11263.8	11334.7	11256.5	11136.8	11014.6	11002.4	10948.6	10831.3	10692.1	10530.8	10210.7
35°	12580.8	12764.0	12619.9	12429.3	12280.2	12224.1	12172.7	11901.5	11742.7	11481.3	11043.9
32.5°	13560.6	13694.9	13516.6	13318.7	13137.9	13059.7	12878.9	12556.3	12470.8	11921.1	11520.4
30°	13817.1	13807.3	13621.6	13470.2	13274.7	13220.9	12888.6	12615.0	12341.3	11833.1	11452.0
27.5°	13206.3	13145.2	12966.8	12834.9	12641.9	12578.3	12250.9	12104.3	11681.6	11251.6	10929.1
25°	11845.3	11877.1	11742.7	11676.7	11549.7	11412.9	11283.4	11085.5	10821.6	10445.3	10149.7
22.5°	10772.7	10814.2	10758.0	10679.9	10582.1	10506.4	10408.6	10254.7	10000.6	9768.5	9490.0
20°	10176.5	10164.3	10115.4	10056.8	9964.0	9910.2	9802.7	9673.2	9477.7	9277.4	8976.8
17.5°	9863.8	9788.0	9741.6	9719.6	9670.8	9602.3	9475.3	9343.3	9191.9	8964.6	8744.7
15°	9631.7	9643.9	9607.2	9590.1	9551.0	9455.7	9326.2	9218.7	9013.5	8898.7	8698.3
12.5°	9617.0	9604.8	9607.2	9599.9	9551.0	9428.9	9362.9	9226.1	9094.1	8942.6	8713.0
10°	9790.5	9661.0	9670.8	9705.0	9626.8	9529.0	9458.2	9309.1	9184.5	8991.5	8764.3
7.5°	9780.7	9714.7	9734.3	9678.1	9702.5	9582.8	9485.1	9336.0	9179.6	8974.4	8769.2
5°	9839.3	9739.2	9722.1	9727.0	9665.9	9575.5	9443.5	9301.8	9155.2	8925.5	8715.4
2.5°	9705.0	9719.6	9641.4	9612.1	9604.8	9453.3	9331.1	9194.3	9042.8	8840.0	8651.9
0°	9604.8	9631.7	9551.0	9509.5	9507.1	9377.6	9299.4	9143.0	9035.5	8866.9	8639.7
-2.5°	9551.0	9582.8	9592.6	9516.8	9443.5	9343.3	9211.4	9042.8	8866.9	8671.4	8476.0
-5°	9555.9	9492.4	9465.5	9490.0	9426.4	9326.2	9179.6	9030.6	8857.1	8647.0	8402.7
-7.5°	9362.9	9299.4	9294.5	9282.3	9267.6	9172.3	9050.1	8888.9	8713.0	8517.5	8290.3
-10°	9074.6	9028.2	9015.9	9003.7	8964.6	8908.4	8793.6	8647.0	8488.2	8292.7	8050.8
-12.5°	8754.5	8732.5	8686.1	8654.3	8615.2	8549.3	8439.3	8304.9	8146.1	7972.6	7764.9
-15°	8400.2	8358.7	8312.3	8285.4	8229.2	8151.0	8041.0	7916.4	7743.0	7571.9	7376.5
-17.5°	7972.6	7921.3	7870.0	7862.7	7823.6	7703.9	7601.2	7449.8	7298.3	7134.6	6944.0
-20°	7469.3	7398.4	7364.2	7344.7	7290.9	7203.0	7093.0	6953.8	6807.2	6650.8	6430.9



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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°	6912.2	6851.1	6792.5	6755.8	6709.4	6641.0	6535.9	6413.8	6269.6	6093.7	5890.9
-25°	6279.4	6193.9	6157.2	6115.7	6091.3	6027.7	5925.1	5812.7	5663.7	5492.6	5299.6
-27.5°	5556.2	5487.8	5468.2	5409.6	5380.2	5314.3	5228.8	5123.7	4986.9	4825.6	4666.8
-30°	4757.2	4715.7	4683.9	4625.3	4603.3	4532.4	4476.2	4388.2	4263.6	4148.8	4021.7
-32.5°	3936.2	3894.7	3884.9	3858.0	3843.4	3797.0	3733.4	3669.9	3569.7	3484.2	3381.6
-35°	3208.1	3178.8	3181.2	3178.8	3164.1	3129.9	3051.7	3034.6	2961.3	2883.1	2817.2
-37.5°	2626.6	2629.0	2626.6	2624.2	2604.6	2589.9	2533.7	2511.8	2467.8	2392.0	2352.9
-40°	2189.2	2194.1	2191.7	2186.8	2164.8	2157.5	2120.8	2091.5	2074.4	2020.6	1979.1
-42.5°	1835.0	1842.3	1839.8	1837.4	1822.7	1820.3	1800.7	1766.5	1756.8	1725.0	1681.0
-45°	1566.2	1563.7	1558.9	1563.7	1556.4	1549.1	1536.9	1514.9	1502.7	1488.0	1451.3
-47.5°	1353.6	1356.1	1351.2	1351.2	1341.4	1334.1	1329.2	1314.5	1304.7	1292.5	1270.5
-50°	1177.7	1187.5	1185.0	1182.6	1175.2	1170.4	1170.4	1155.7	1141.0	1136.2	1121.5
-52.5°	1040.9	1048.2	1050.6	1055.5	1058.0	1060.4	1053.1	1038.4	1014.0	1011.5	1004.2
-55°	916.3	938.2	952.9	962.7	972.5	979.8	965.1	945.6	921.1	911.4	908.9
-57.5°	830.7	852.7	869.8	884.5	896.7	908.9	894.3	874.7	852.7	840.5	838.1
-60°	752.6	772.1	789.2	808.7	825.9	845.4	838.1	823.4	811.2	801.4	791.6
-62.5°	669.5	689.0	708.6	733.0	755.0	774.5	777.0	774.5	772.1	774.5	757.4
-65°	601.1	610.8	623.1	649.9	674.4	696.4	708.6	715.9	728.1	740.3	723.2
-67.5°	527.8	540.0	554.6	574.2	593.7	608.4	625.5	645.0	664.6	684.1	671.9
-70°	461.8	471.6	483.8	493.6	505.8	515.5	530.2	552.2	574.2	593.7	588.8
-72.5°	393.4	403.2	410.5	415.4	422.7	427.6	434.9	454.5	469.1	478.9	478.9
-75°	325.0	334.7	342.1	344.5	349.4	351.8	356.7	364.1	371.4	373.8	376.3
-77.5°	249.2	259.0	266.3	271.2	276.1	281.0	283.4	288.3	290.8	290.8	293.2
-80°	185.7	193.0	197.9	205.2	207.7	212.6	217.5	219.9	222.3	222.3	224.8
-82.5°	131.9	136.8	141.7	146.6	151.5	153.9	158.8	161.3	163.7	166.1	168.6
-85°	88.0	92.8	97.7	102.6	105.1	107.5	110.0	112.4	114.8	117.3	119.7
-87.5°	51.3	53.8	56.2	61.1	63.5	68.4	70.9	68.4	70.9	70.9	70.9
-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°	95.3	95.3	95.3	95.3	92.8	88.0	85.5	80.6	75.7	70.9	66.0
85°	197.9	200.4	200.4	200.4	195.5	193.0	185.7	178.4	168.6	153.9	141.7
82.5°	329.9	332.3	332.3	329.9	325.0	317.6	307.9	295.6	276.1	256.6	239.4
80°	496.0	498.4	498.4	496.0	483.8	471.6	459.3	444.7	420.3	393.4	364.1
77.5°	693.9	698.8	698.8	691.5	674.4	659.7	640.2	615.7	579.1	540.0	500.9
75°	923.6	935.8	938.2	930.9	908.9	882.0	850.3	808.7	752.6	703.7	657.3
72.5°	1189.9	1202.1	1211.9	1202.1	1170.4	1133.7	1087.3	1038.4	982.2	916.3	838.1
70°	1539.3	1551.5	1558.9	1527.1	1470.9	1409.8	1353.6	1297.4	1231.4	1150.8	1065.3
67.5°	1979.1	1966.9	1952.2	1888.7	1817.8	1744.5	1666.4	1583.3	1497.8	1412.3	1312.1
65°	2401.8	2367.6	2335.8	2260.1	2169.7	2074.4	1984.0	1891.1	1788.5	1681.0	1585.7
62.5°	2846.5	2773.2	2695.0	2602.2	2509.3	2404.3	2313.8	2203.9	2089.1	1957.1	1835.0
60°	3283.9	3195.9	3117.7	3002.9	2880.7	2739.0	2641.3	2533.7	2399.4	2257.7	2113.5
57.5°	3706.6	3611.3	3525.7	3425.6	3293.6	3139.7	3032.2	2892.9	2751.2	2572.8	2426.2
55°	4156.1	4060.8	3992.4	3880.0	3735.9	3594.2	3476.9	3330.3	3132.4	2941.8	2761.0
52.5°	4671.7	4595.9	4522.6	4407.8	4234.3	4090.2	3960.7	3797.0	3589.3	3354.7	3137.3
50°	5248.3	5209.2	5131.0	4996.6	4798.7	4671.7	4500.6	4283.2	4060.8	3814.1	3542.8
47.5°	6013.1	5949.5	5839.6	5693.0	5526.8	5336.3	5106.6	4852.5	4537.3	4263.6	3975.3
45°	6926.9	6809.6	6667.9	6470.0	6264.7	6049.7	5798.1	5475.5	5052.8	4696.1	4393.1
42.5°	7916.4	7757.6	7564.6	7305.6	7039.3	6775.4	6504.2	6064.4	5536.6	5126.1	4784.1
40°	8950.0	8747.2	8505.3	8129.0	7833.4	7493.7	7183.4	6526.2	5964.2	5519.5	5155.5
37.5°	9961.5	9705.0	9299.4	8842.5	8498.0	8219.4	7537.7	6834.0	6330.7	5842.0	5473.1
35°	10736.1	10518.6	9802.7	9328.7	9033.0	8593.2	7740.5	7019.7	6487.1	6081.5	5507.3
32.5°	11195.4	10633.4	10005.5	9526.6	9282.3	8561.5	7755.2	7073.5	6560.4	6105.9	5419.3
30°	11092.8	10413.5	9863.8	9463.1	8932.9	8285.4	7618.3	6990.4	6492.0	5942.2	5321.6
27.5°	10474.6	9949.3	9458.2	9040.4	8519.9	7938.4	7322.7	6770.5	6306.3	5773.6	5187.2
25°	9775.8	9299.4	8935.3	8571.3	8077.7	7523.1	6980.6	6582.4	6115.7	5590.4	5011.3
22.5°	9133.2	8791.2	8505.3	8124.1	7642.8	7159.0	6821.8	6408.9	5930.0	5397.3	4830.5
20°	8722.7	8490.6	8163.2	7743.0	7364.2	7061.3	6687.4	6250.1	5756.5	5199.4	4676.6
17.5°	8524.8	8256.1	7892.0	7618.3	7327.6	6995.3	6577.5	6113.2	5587.9	5109.0	4693.7
15°	8422.2	8138.8	7899.3	7630.6	7303.2	6953.8	6489.5	6008.2	5587.9	5145.7	4705.9
12.5°	8444.2	8199.9	7938.4	7645.2	7293.4	6919.6	6499.3	6052.2	5617.2	5172.6	4708.3
10°	8512.6	8256.1	7977.5	7652.6	7298.3	6929.3	6526.2	6079.0	5631.9	5184.8	4703.4
7.5°	8537.0	8258.5	7960.4	7633.0	7286.1	6924.4	6531.1	6086.4	5634.4	5182.3	4688.8
5°	8461.3	8209.6	7921.3	7591.5	7251.8	6900.0	6511.5	6076.6	5614.8	5157.9	4652.1
2.5°	8358.7	8155.9	7879.8	7562.2	7217.6	6865.8	6479.7	6032.6	5570.8	5113.9	4605.7
0°	8341.6	8089.9	7811.4	7527.9	7161.4	6790.1	6406.4	5949.5	5490.2	5030.8	4525.1
-2.5°	8229.2	7962.9	7684.3	7376.5	7053.9	6680.1	6277.0	5829.8	5375.4	4923.3	4437.1
-5°	8143.7	7848.0	7552.4	7220.1	6895.1	6521.3	6103.5	5668.6	5223.9	4784.1	4314.9
-7.5°	8028.8	7725.9	7415.6	7068.6	6716.8	6335.6	5922.7	5487.8	5050.4	4613.0	4163.5
-10°	7796.7	7530.4	7239.6	6880.5	6509.1	6127.9	5717.4	5289.8	4852.5	4410.2	3958.2
-12.5°	7515.7	7234.7	6917.1	6587.3	6255.0	5900.7	5490.2	5069.9	4630.1	4185.4	3735.9
-15°	7151.7	6875.6	6550.6	6228.1	5908.0	5568.4	5206.8	4828.0	4380.9	3943.6	3494.0
-17.5°	6697.2	6438.2	6147.5	5839.6	5522.0	5179.9	4828.0	4508.0	4090.2	3679.7	3235.0
-20°	6208.5	5966.6	5705.2	5414.5	5096.8	4762.1	4429.8	4095.0	3733.4	3371.8	2958.9



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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°	5700.3	5456.0	5192.1	4920.9	4627.7	4317.4	4009.5	3689.5	3371.8	3044.4	2695.0
-25°	5113.9	4898.9	4657.0	4393.1	4131.7	3860.5	3567.3	3276.5	3005.3	2721.9	2436.0
-27.5°	4500.6	4302.7	4082.8	3853.2	3628.4	3401.1	3147.0	2878.3	2653.5	2418.9	2181.9
-30°	3855.6	3696.8	3518.4	3318.1	3144.6	2961.3	2748.8	2526.4	2321.2	2142.8	1952.2
-32.5°	3244.8	3110.4	2983.3	2851.4	2680.3	2538.6	2392.0	2228.3	2047.5	1878.9	1742.1
-35°	2719.4	2575.3	2521.5	2423.8	2301.6	2177.0	2069.5	1952.2	1815.4	1666.4	1554.0
-37.5°	2277.2	2191.7	2115.9	2062.2	1981.6	1881.4	1795.9	1710.3	1605.3	1492.9	1380.5
-40°	1932.7	1874.0	1791.0	1764.1	1712.8	1644.4	1556.4	1490.4	1419.6	1334.1	1238.8
-42.5°	1656.6	1612.6	1558.9	1512.4	1490.4	1441.6	1373.2	1309.6	1253.4	1194.8	1121.5
-45°	1429.4	1400.0	1365.8	1324.3	1307.2	1268.1	1219.2	1148.4	1116.6	1067.7	1014.0
-47.5°	1246.1	1231.4	1207.0	1180.1	1155.7	1126.4	1082.4	1038.4	994.4	962.7	921.1
-50°	1101.9	1092.2	1077.5	1055.5	1023.8	1004.2	974.9	935.8	894.3	867.4	838.1
-52.5°	987.1	977.3	967.6	950.5	926.0	906.5	882.0	850.3	816.1	789.2	764.8
-55°	899.2	884.5	877.2	862.5	843.0	821.0	799.0	777.0	747.7	723.2	698.8
-57.5°	830.7	811.2	801.4	789.2	769.7	747.7	730.6	708.6	689.0	662.1	640.2
-60°	777.0	755.0	735.4	723.2	706.1	684.1	667.0	649.9	630.4	608.4	581.5
-62.5°	733.0	706.1	679.2	664.6	647.5	627.9	610.8	593.7	574.2	552.2	527.8
-65°	691.5	659.7	625.5	610.8	593.7	574.2	552.2	540.0	522.9	503.3	478.9
-67.5°	640.2	605.9	576.6	559.5	542.4	525.3	505.8	493.6	476.5	452.0	427.6
-70°	564.4	542.4	522.9	508.2	493.6	478.9	459.3	439.8	420.3	398.3	376.3
-72.5°	469.1	461.8	459.3	452.0	434.9	417.8	398.3	378.7	361.6	344.5	327.4
-75°	378.7	383.6	388.5	386.0	368.9	351.8	334.7	317.6	305.4	290.8	276.1
-77.5°	300.5	305.4	310.3	310.3	298.1	288.3	276.1	263.9	254.1	241.9	227.2
-80°	232.1	239.4	246.8	251.7	241.9	234.6	224.8	215.0	205.2	195.5	185.7
-82.5°	175.9	183.3	190.6	195.5	188.1	183.3	175.9	168.6	161.3	151.5	144.2
-85°	127.1	131.9	136.8	139.3	134.4	129.5	124.6	119.7	114.8	107.5	102.6
-87.5°	73.3	75.7	78.2	80.6	75.7	70.9	68.4	63.5	61.1	56.2	53.8
-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°	61.1	56.2	51.3	48.9	44.0	36.7	31.8	26.9	22.0	17.1	14.7
85°	129.5	117.3	102.6	95.3	85.5	75.7	66.0	56.2	46.4	36.7	26.9
82.5°	222.3	207.7	193.0	175.9	153.9	127.1	100.2	83.1	68.4	53.8	41.5
80°	334.7	307.9	283.4	261.4	237.0	202.8	166.1	131.9	92.8	70.9	53.8
77.5°	464.2	432.5	398.3	361.6	322.5	276.1	234.6	190.6	144.2	97.7	68.4
75°	610.8	569.3	522.9	471.6	420.3	359.2	300.5	249.2	195.5	136.8	83.1
72.5°	774.5	723.2	667.0	598.6	518.0	447.1	376.3	307.9	244.3	173.5	112.4
70°	984.7	904.0	821.0	747.7	645.0	532.6	449.6	371.4	290.8	212.6	141.7
67.5°	1209.5	1111.7	1011.5	904.0	774.5	642.6	522.9	434.9	339.6	249.2	168.6
65°	1453.8	1331.6	1204.6	1084.8	906.5	750.1	615.7	496.0	386.0	283.4	195.5
62.5°	1705.5	1561.3	1414.7	1258.3	1053.1	860.1	703.7	564.4	430.0	315.2	219.9
60°	1974.2	1805.6	1627.3	1431.8	1192.4	979.8	786.8	635.3	476.5	347.0	246.8
57.5°	2257.7	2074.4	1864.3	1600.4	1336.5	1094.6	882.0	698.8	518.0	376.3	266.3
55°	2565.5	2355.4	2125.7	1776.3	1478.2	1209.5	977.3	762.3	562.0	400.7	285.9
52.5°	2897.8	2653.5	2362.7	1962.0	1627.3	1326.7	1065.3	818.5	603.5	427.6	303.0
50°	3269.2	2961.3	2570.4	2133.0	1756.8	1436.7	1153.3	879.6	637.7	456.9	317.6
47.5°	3655.2	3322.9	2756.1	2291.9	1888.7	1544.2	1243.7	933.4	671.9	481.3	332.3
45°	4058.4	3574.6	2949.1	2433.6	2003.5	1641.9	1312.1	982.2	713.5	503.3	344.5
42.5°	4456.7	3765.2	3117.7	2575.3	2111.0	1729.9	1368.3	1028.6	747.7	525.3	356.7
40°	4644.8	3909.4	3252.1	2673.0	2201.5	1808.1	1417.1	1070.2	777.0	540.0	368.9
37.5°	4723.0	3997.3	3340.1	2765.9	2272.3	1849.6	1458.7	1106.8	801.4	554.6	378.7
35°	4740.1	4029.1	3384.0	2829.4	2331.0	1888.7	1490.4	1133.7	821.0	569.3	388.5
32.5°	4708.3	4019.3	3396.2	2851.4	2367.6	1918.0	1512.4	1153.3	835.6	584.0	398.3
30°	4637.5	3968.0	3352.3	2848.9	2394.5	1935.1	1527.1	1167.9	850.3	593.7	403.2
27.5°	4522.6	3877.6	3296.1	2851.4	2409.1	1942.5	1534.4	1175.2	860.1	601.1	412.9
25°	4380.9	3755.4	3298.5	2846.5	2411.6	1944.9	1534.4	1175.2	862.5	603.5	420.3
22.5°	4217.2	3755.4	3298.5	2839.2	2396.9	1940.0	1527.1	1170.4	862.5	608.4	427.6
20°	4227.0	3757.9	3291.2	2824.5	2374.9	1925.4	1510.0	1158.1	855.2	615.7	432.5
17.5°	4234.3	3753.0	3276.5	2805.0	2345.6	1900.9	1488.0	1141.0	855.2	623.1	434.9
15°	4234.3	3738.3	3254.5	2775.6	2309.0	1866.7	1456.2	1126.4	857.6	625.5	439.8
12.5°	4227.0	3711.4	3220.3	2736.5	2265.0	1825.2	1436.7	1121.5	857.6	627.9	439.8
10°	4212.3	3674.8	3176.3	2687.7	2223.4	1810.5	1426.9	1111.7	852.7	627.9	439.8
7.5°	4185.4	3630.8	3139.7	2658.4	2199.0	1793.4	1412.3	1097.1	845.4	623.1	444.7
5°	4143.9	3606.4	3110.4	2624.2	2164.8	1781.2	1402.5	1084.8	840.5	623.1	439.8
2.5°	4090.2	3577.1	3076.2	2580.2	2125.7	1739.7	1370.7	1058.0	823.4	613.3	434.9
0°	4002.2	3518.4	3017.5	2519.1	2072.0	1698.1	1339.0	1031.1	806.3	603.5	430.0
-2.5°	3921.6	3440.2	2941.8	2455.6	2020.6	1661.5	1314.5	1016.4	799.0	601.1	427.6
-5°	3809.2	3332.7	2841.6	2372.5	1952.2	1624.8	1290.1	999.3	791.6	596.2	427.6
-7.5°	3684.6	3220.3	2736.5	2287.0	1883.8	1561.3	1243.7	972.5	774.5	586.4	425.1
-10°	3491.5	3051.7	2604.6	2189.2	1810.5	1505.1	1204.6	948.0	759.9	576.6	415.4
-12.5°	3286.3	2866.0	2453.1	2069.5	1727.4	1446.5	1160.6	921.1	742.8	566.9	410.5
-15°	3068.8	2675.5	2294.3	1944.9	1637.0	1375.6	1114.2	891.8	725.7	554.6	403.2
-17.5°	2841.6	2475.1	2130.6	1817.8	1546.6	1302.3	1065.3	864.9	706.1	542.4	395.8
-20°	2602.2	2269.9	1964.4	1688.4	1451.3	1229.0	1014.0	833.2	684.1	527.8	386.0



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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°	2365.2	2067.1	1793.4	1561.3	1353.6	1153.3	962.7	801.4	659.7	510.7	378.7
-25°	2155.0	1876.5	1641.9	1439.1	1258.3	1080.0	908.9	769.7	632.8	493.6	368.9
-27.5°	1949.8	1712.8	1492.9	1324.3	1165.5	1009.1	857.6	735.4	605.9	474.0	359.2
-30°	1759.2	1556.4	1375.6	1211.9	1077.5	945.6	813.6	701.2	576.6	454.5	347.0
-32.5°	1585.7	1422.0	1270.5	1114.2	994.4	882.0	772.1	667.0	547.3	434.9	334.7
-35°	1424.5	1297.4	1165.5	1033.5	911.4	823.4	728.1	630.4	520.4	412.9	322.5
-37.5°	1280.3	1177.7	1072.6	960.2	855.2	767.2	686.6	593.7	493.6	393.4	310.3
-40°	1155.7	1072.6	979.8	889.4	801.4	718.3	645.0	557.1	466.7	378.7	298.1
-42.5°	1040.9	977.3	901.6	825.9	747.7	674.4	603.5	518.0	439.8	361.6	285.9
-45°	952.9	889.4	828.3	759.9	693.9	630.4	559.5	483.8	415.4	342.1	273.7
-47.5°	869.8	813.6	757.4	701.2	647.5	588.8	518.0	454.5	388.5	325.0	263.9
-50°	796.5	742.8	693.9	645.0	598.6	542.4	476.5	425.1	366.5	307.9	251.7
-52.5°	728.1	681.7	632.8	593.7	554.6	498.4	444.7	395.8	344.5	288.3	239.4
-55°	667.0	623.1	579.1	542.4	505.8	456.9	412.9	371.4	322.5	273.7	227.2
-57.5°	608.4	571.7	530.2	496.0	459.3	420.3	383.6	344.5	300.5	259.0	215.0
-60°	554.6	520.4	483.8	449.6	417.8	386.0	351.8	320.1	281.0	241.9	202.8
-62.5°	500.9	471.6	439.8	405.6	381.2	351.8	325.0	293.2	261.4	227.2	180.8
-65°	452.0	425.1	395.8	366.5	344.5	322.5	298.1	268.8	241.9	210.1	161.3
-67.5°	403.2	378.7	354.3	329.9	310.3	293.2	268.8	246.8	224.8	190.6	141.7
-70°	356.7	337.2	315.2	295.6	281.0	261.4	244.3	224.8	205.2	166.1	119.7
-72.5°	312.7	293.2	276.1	261.4	249.2	232.1	217.5	202.8	175.9	139.3	100.2
-75°	261.4	249.2	239.4	227.2	215.0	202.8	190.6	173.5	146.6	112.4	78.2
-77.5°	215.0	207.7	200.4	190.6	180.8	171.0	156.4	139.3	117.3	88.0	63.5
-80°	175.9	168.6	163.7	153.9	146.6	136.8	122.2	107.5	85.5	68.4	51.3
-82.5°	134.4	129.5	124.6	119.7	112.4	102.6	88.0	75.7	63.5	51.3	39.1
-85°	95.3	92.8	88.0	83.1	75.7	68.4	58.6	51.3	44.0	34.2	26.9
-87.5°	48.9	46.4	44.0	41.5	39.1	34.2	29.3	24.4	22.0	17.1	12.2
-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°	9.8	7.3	2.4	0.0
85°	19.5	12.2	4.9	0.0
82.5°	29.3	19.5	7.3	0.0
80°	39.1	24.4	12.2	0.0
77.5°	48.9	29.3	14.7	0.0
75°	58.6	36.7	17.1	0.0
72.5°	66.0	41.5	19.5	0.0
70°	78.2	48.9	22.0	0.0
67.5°	97.7	53.8	24.4	0.0
65°	114.8	58.6	26.9	0.0
62.5°	134.4	63.5	29.3	0.0
60°	151.5	68.4	31.8	0.0
57.5°	168.6	80.6	34.2	0.0
55°	183.3	90.4	36.7	0.0
52.5°	200.4	100.2	39.1	0.0
50°	215.0	110.0	41.5	0.0
47.5°	227.2	119.7	41.5	0.0
45°	237.0	127.1	44.0	0.0
42.5°	244.3	134.4	46.4	0.0
40°	251.7	141.7	48.9	0.0
37.5°	259.0	149.0	48.9	0.0
35°	266.3	156.4	51.3	0.0
32.5°	273.7	163.7	51.3	0.0
30°	278.5	168.6	53.8	0.0
27.5°	285.9	173.5	53.8	0.0
25°	288.3	178.4	56.2	0.0
22.5°	293.2	180.8	56.2	0.0
20°	298.1	185.7	56.2	0.0
17.5°	300.5	188.1	58.6	0.0
15°	300.5	190.6	61.1	0.0
12.5°	303.0	193.0	61.1	0.0
10°	303.0	197.9	58.6	0.0
7.5°	307.9	195.5	58.6	0.0
5°	305.4	195.5	58.6	0.0
2.5°	303.0	193.0	58.6	0.0
0°	300.5	193.0	58.6	0.0
-2.5°	300.5	193.0	58.6	0.0
-5°	300.5	193.0	58.6	0.0
-7.5°	298.1	195.5	58.6	0.0
-10°	293.2	195.5	58.6	0.0
-12.5°	290.8	188.1	58.6	0.0
-15°	288.3	185.7	58.6	0.0
-17.5°	283.4	183.3	56.2	0.0
-20°	278.5	180.8	56.2	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	273.7	175.9	56.2	0.0
-25°	268.8	171.0	53.8	0.0
-27.5°	263.9	166.1	53.8	0.0
-30°	256.6	161.3	51.3	0.0
-32.5°	249.2	156.4	51.3	0.0
-35°	244.3	149.0	48.9	0.0
-37.5°	237.0	141.7	48.9	0.0
-40°	229.7	134.4	46.4	0.0
-42.5°	222.3	127.1	44.0	0.0
-45°	212.6	119.7	44.0	0.0
-47.5°	205.2	112.4	41.5	0.0
-50°	193.0	102.6	39.1	0.0
-52.5°	178.4	92.8	36.7	0.0
-55°	163.7	85.5	34.2	0.0
-57.5°	149.0	75.7	34.2	0.0
-60°	134.4	66.0	31.8	0.0
-62.5°	119.7	61.1	29.3	0.0
-65°	105.1	56.2	26.9	0.0
-67.5°	88.0	48.9	24.4	0.0
-70°	73.3	44.0	22.0	0.0
-72.5°	63.5	39.1	19.5	0.0
-75°	53.8	34.2	17.1	0.0
-77.5°	46.4	29.3	14.7	0.0
-80°	36.7	22.0	9.8	0.0
-82.5°	26.9	17.1	7.3	0.0
-85°	17.1	12.2	4.9	0.0
-87.5°	9.8	4.9	2.4	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)