

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: P722025

Luminaire Tested: **IFLD-S-SA3D-730-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722025
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-730-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

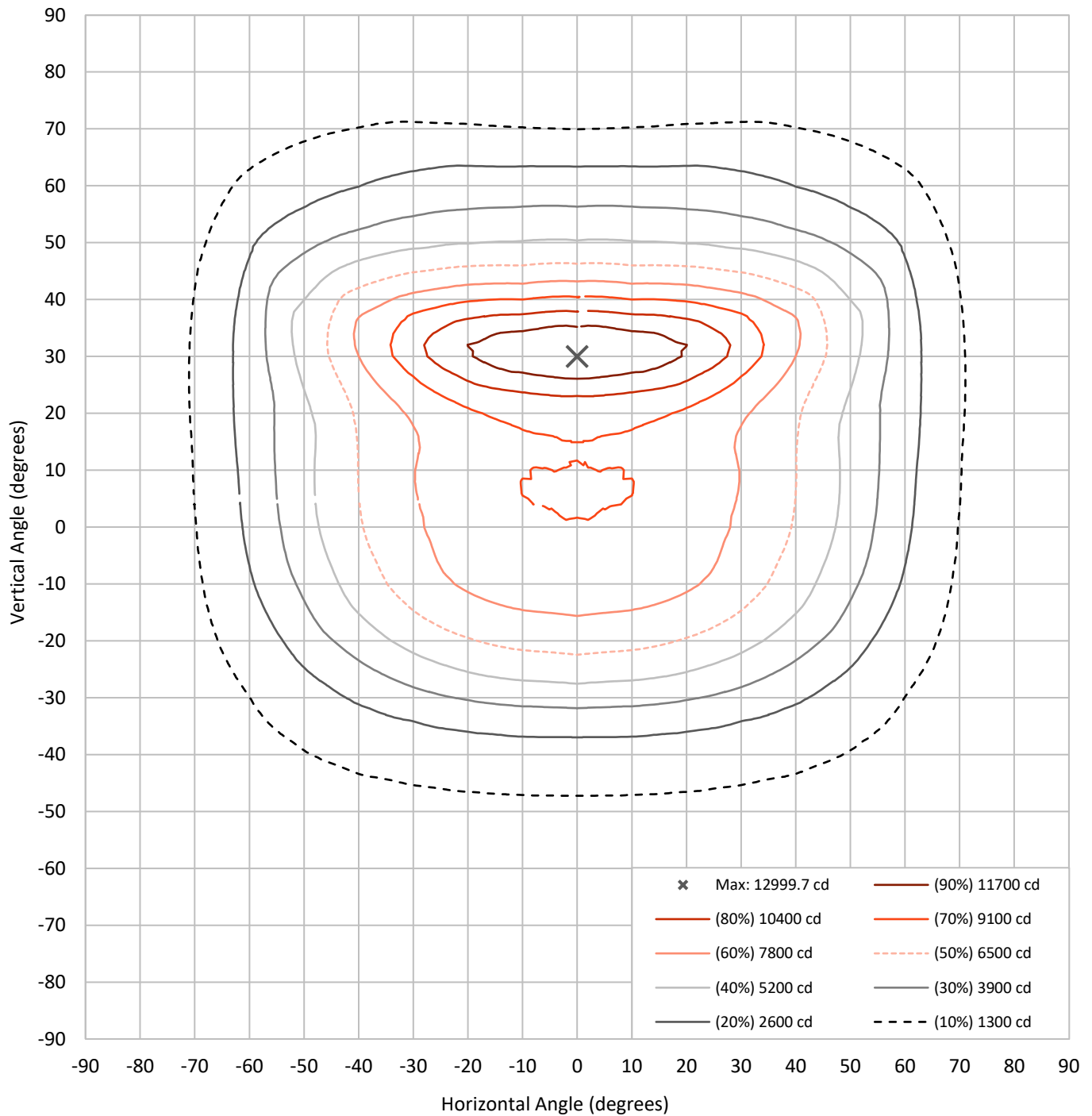
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	21699.8 lumens	Max Intensity:	12999.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	117.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	12618.7 lumens	Field Lumens:	20335.5 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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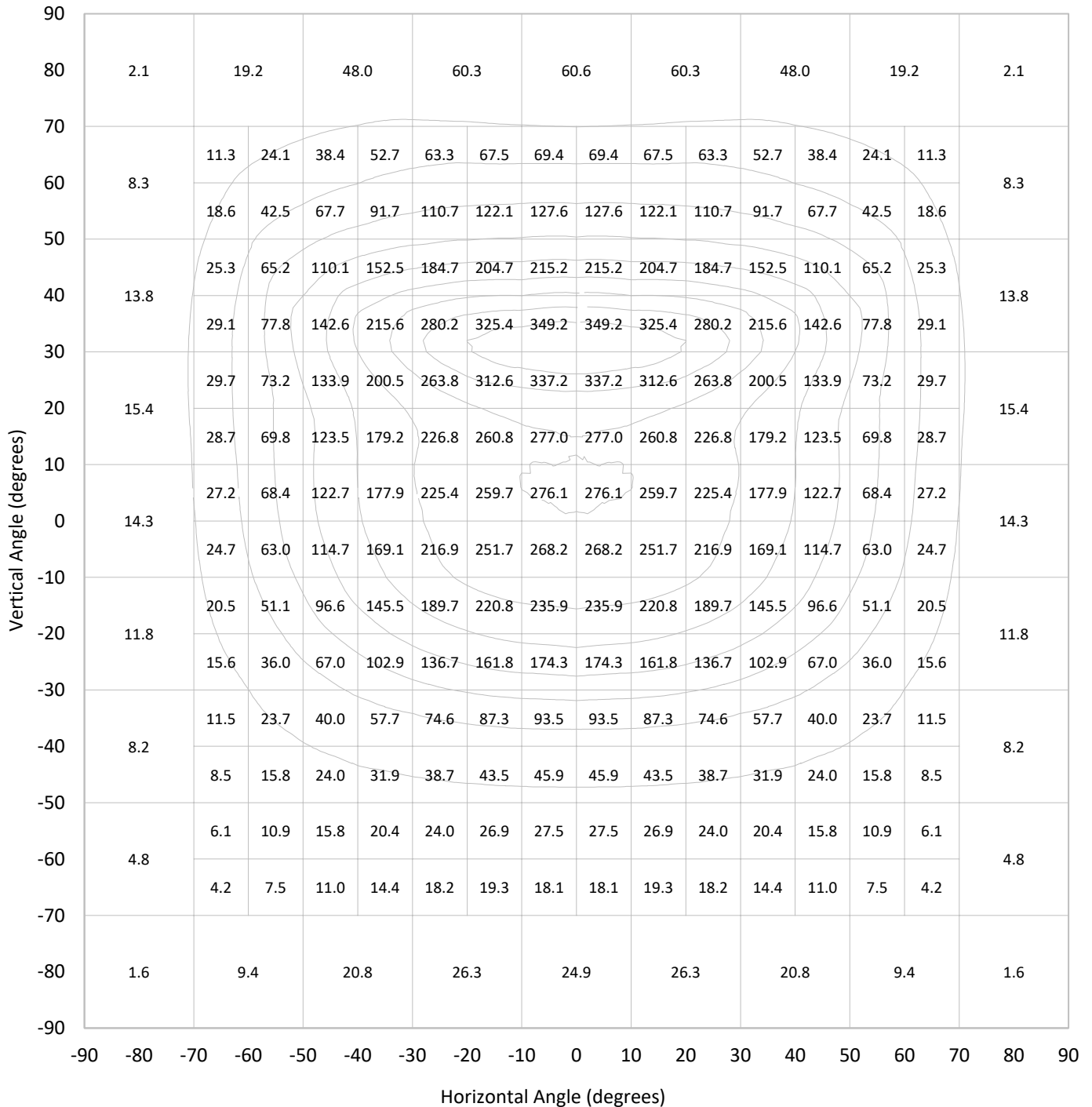
Iso-Candela Plot





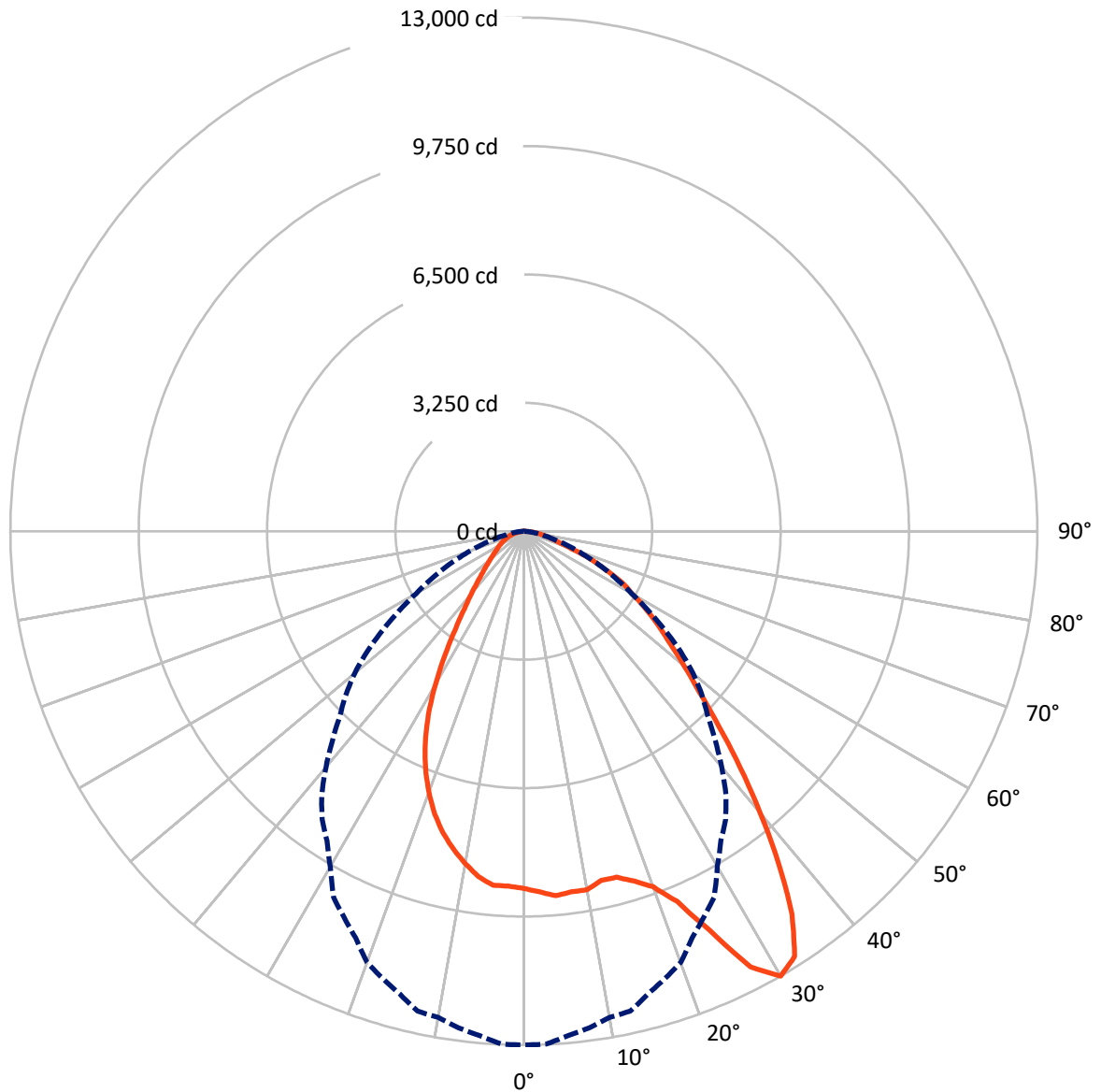
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Lumen Table



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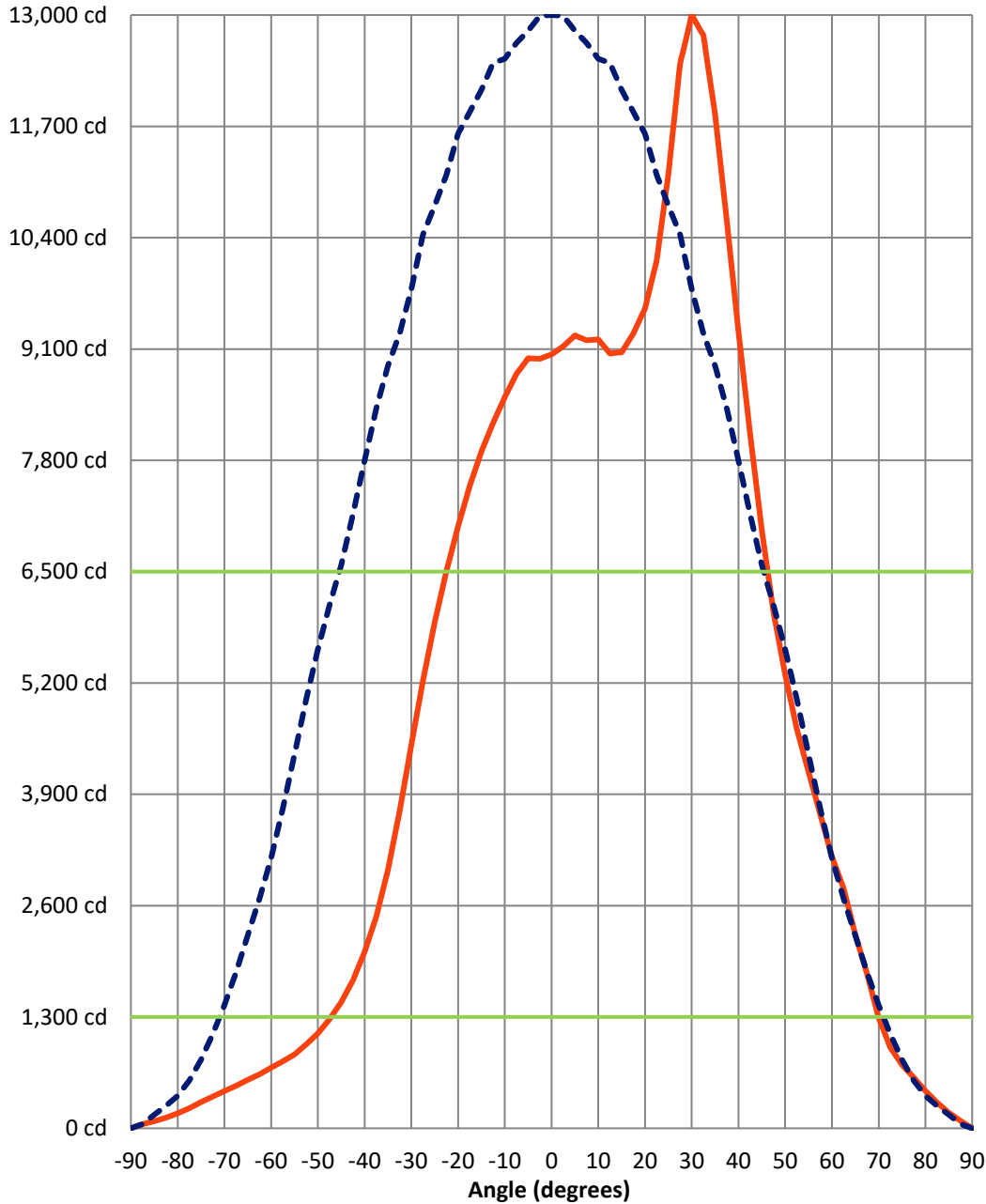
Luminous Intensity Polar Plot



— 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: 12618.7
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 20335.5
 Efficiency: 93.7%

Spill:
 Lumens: 1364.3
 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°	87.4	89.7	92.0	92.0	89.7	89.7	89.7	87.4	89.7	89.7	89.7
85°	181.6	186.2	190.8	188.5	186.2	181.6	177.0	179.3	181.6	183.9	183.9
82.5°	301.1	308.0	312.6	310.3	305.7	301.1	296.5	298.8	303.4	305.7	305.7
80°	436.8	439.1	441.4	446.0	439.1	439.1	436.8	446.0	450.6	455.2	459.8
77.5°	593.1	595.4	595.4	597.7	600.0	602.3	602.3	618.4	629.9	636.8	643.7
75°	740.2	747.1	754.0	760.9	770.1	774.7	781.6	804.6	823.0	836.8	850.6
72.5°	942.5	951.7	963.2	979.3	995.4	1006.9	1023.0	1050.6	1071.2	1085.0	1101.1
70°	1289.6	1298.8	1310.3	1321.8	1337.9	1349.4	1365.5	1400.0	1420.7	1429.9	1439.1
67.5°	1804.6	1827.5	1848.2	1825.3	1813.8	1797.7	1802.3	1834.4	1855.1	1868.9	1866.6
65°	2262.0	2278.1	2278.1	2275.8	2266.6	2245.9	2257.4	2296.5	2319.5	2331.0	2296.5
62.5°	2799.9	2799.9	2788.4	2806.8	2809.1	2795.3	2788.4	2790.7	2793.0	2799.9	2742.5
60°	3172.3	3195.3	3202.2	3218.3	3222.9	3222.9	3234.4	3243.6	3243.6	3229.8	3163.2
57.5°	3664.3	3708.0	3717.2	3705.7	3682.7	3652.8	3648.2	3634.4	3606.8	3579.2	3547.1
55°	4160.8	4183.8	4181.5	4174.6	4151.6	4117.2	4121.8	4103.4	4059.7	4025.2	3981.5
52.5°	4659.7	4714.8	4724.0	4710.2	4678.1	4641.3	4643.6	4622.9	4579.2	4542.4	4482.7
50°	5296.4	5342.4	5337.8	5314.8	5268.9	5241.3	5243.6	5204.5	5153.9	5142.4	5064.3
47.5°	6025.2	6078.0	6068.8	6036.7	5974.6	5963.1	5974.6	5924.0	5894.1	5868.8	5776.9
45°	6981.5	7043.5	7009.1	6947.0	6848.1	6859.6	6875.7	6866.5	6802.2	6735.5	6618.3
42.5°	8103.3	8142.4	8101.0	8038.9	7914.8	7937.8	7928.6	7873.4	7834.3	7724.0	7574.6
40°	9303.3	9388.3	9323.9	9227.4	9098.7	9133.1	9107.9	9036.6	8944.6	8806.7	8618.2
37.5°	10597.5	10664.2	10590.6	10477.9	10363.0	10351.5	10300.9	10190.6	10059.6	9907.8	9606.7
35°	11836.5	12009.0	11873.3	11694.0	11553.8	11500.9	11452.6	11197.5	11048.1	10802.1	10390.6
32.5°	12758.4	12884.8	12717.0	12530.8	12360.7	12287.1	12117.0	11813.6	11733.1	11215.9	10838.9
30°	12999.7	12990.5	12815.8	12673.3	12489.4	12438.8	12126.2	11868.7	11611.3	11133.1	10774.5
27.5°	12425.0	12367.6	12199.8	12075.6	11894.0	11834.2	11526.2	11388.3	10990.6	10586.0	10282.6
25°	11144.6	11174.5	11048.1	10986.0	10866.4	10737.7	10615.9	10429.7	10181.4	9827.4	9549.2
22.5°	10135.4	10174.5	10121.6	10048.1	9956.1	9884.9	9792.9	9648.1	9409.0	9190.6	8928.6
20°	9574.5	9563.0	9517.0	9461.9	9374.5	9323.9	9222.8	9101.0	8917.1	8728.6	8445.8
17.5°	9280.3	9209.0	9165.3	9144.6	9098.7	9034.3	8914.8	8790.6	8648.1	8434.3	8227.4
15°	9061.9	9073.4	9038.9	9022.8	8986.0	8896.4	8774.5	8673.4	8480.3	8372.2	8183.7
12.5°	9048.1	9036.6	9038.9	9032.0	8986.0	8871.1	8809.0	8680.3	8556.1	8413.6	8197.5
10°	9211.3	9089.5	9098.7	9130.9	9057.3	8965.3	8898.7	8758.4	8641.2	8459.6	8245.8
7.5°	9202.1	9140.0	9158.4	9105.6	9128.6	9015.9	8924.0	8783.7	8636.6	8443.5	8250.4
5°	9257.3	9163.0	9146.9	9151.5	9094.1	9009.0	8884.9	8751.5	8613.6	8397.5	8199.8
2.5°	9130.9	9144.6	9071.1	9043.5	9036.6	8894.1	8779.1	8650.4	8507.9	8317.1	8140.1
0°	9036.6	9061.9	8986.0	8946.9	8944.6	8822.8	8749.2	8602.1	8501.0	8342.4	8128.6
-2.5°	8986.0	9015.9	9025.1	8953.8	8884.9	8790.6	8666.5	8507.9	8342.4	8158.5	7974.6
-5°	8990.6	8930.9	8905.6	8928.6	8868.8	8774.5	8636.6	8496.4	8333.2	8135.5	7905.6
-7.5°	8809.0	8749.2	8744.7	8733.2	8719.4	8629.7	8514.8	8363.0	8197.5	8013.6	7799.8
-10°	8537.8	8494.1	8482.6	8471.1	8434.3	8381.4	8273.4	8135.5	7986.0	7802.1	7574.6
-12.5°	8236.6	8215.9	8172.2	8142.4	8105.6	8043.5	7940.1	7813.6	7664.2	7501.0	7305.6
-15°	7903.3	7864.2	7820.5	7795.2	7742.4	7668.8	7565.4	7448.1	7284.9	7124.0	6940.1
-17.5°	7501.0	7452.7	7404.4	7397.6	7360.8	7248.1	7151.6	7009.1	6866.5	6712.5	6533.2
-20°	7027.4	6960.8	6928.6	6910.2	6859.6	6776.9	6673.4	6542.4	6404.5	6257.3	6050.5



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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°	6503.3	6445.8	6390.7	6356.2	6312.5	6248.1	6149.3	6034.4	5898.7	5733.2	5542.4
-25°	5907.9	5827.5	5793.0	5753.9	5730.9	5671.2	5574.6	5468.9	5328.6	5167.7	4986.1
-27.5°	5227.5	5163.1	5144.7	5089.6	5062.0	4999.9	4919.4	4820.6	4691.9	4540.1	4390.7
-30°	4475.8	4436.7	4406.8	4351.6	4330.9	4264.3	4211.4	4128.7	4011.4	3903.4	3783.8
-32.5°	3703.4	3664.3	3655.1	3629.8	3616.0	3572.3	3512.6	3452.8	3358.6	3278.1	3181.5
-35°	3018.3	2990.7	2993.0	2990.7	2977.0	2944.8	2871.2	2855.1	2786.2	2712.6	2650.5
-37.5°	2471.2	2473.5	2471.2	2468.9	2450.5	2436.7	2383.9	2363.2	2321.8	2250.5	2213.7
-40°	2059.7	2064.3	2062.0	2057.4	2036.7	2029.8	1995.4	1967.8	1951.7	1901.1	1862.0
-42.5°	1726.4	1733.3	1731.0	1728.7	1714.9	1712.6	1694.2	1662.0	1652.8	1623.0	1581.6
-45°	1473.5	1471.2	1466.6	1471.2	1464.3	1457.4	1445.9	1425.3	1413.8	1400.0	1365.5
-47.5°	1273.5	1275.8	1271.2	1271.2	1262.0	1255.1	1250.5	1236.8	1227.6	1216.1	1195.4
-50°	1108.0	1117.2	1114.9	1112.6	1105.7	1101.1	1101.1	1087.3	1073.5	1068.9	1055.2
-52.5°	979.3	986.2	988.5	993.1	995.4	997.7	990.8	977.0	954.0	951.7	944.8
-55°	862.1	882.7	896.5	905.7	914.9	921.8	908.0	889.6	866.6	857.5	855.2
-57.5°	781.6	802.3	818.4	832.2	843.7	855.2	841.4	823.0	802.3	790.8	788.5
-60°	708.0	726.4	742.5	760.9	777.0	795.4	788.5	774.7	763.2	754.0	744.8
-62.5°	629.9	648.3	666.7	689.6	710.3	728.7	731.0	728.7	726.4	728.7	712.6
-65°	565.5	574.7	586.2	611.5	634.5	655.2	666.7	673.5	685.0	696.5	680.4
-67.5°	496.5	508.0	521.8	540.2	558.6	572.4	588.5	606.9	625.3	643.7	632.2
-70°	434.5	443.7	455.2	464.4	475.9	485.0	498.8	519.5	540.2	558.6	554.0
-72.5°	370.1	379.3	386.2	390.8	397.7	402.3	409.2	427.6	441.4	450.6	450.6
-75°	305.7	314.9	321.8	324.1	328.7	331.0	335.6	342.5	349.4	351.7	354.0
-77.5°	234.5	243.7	250.6	255.2	259.8	264.4	266.7	271.3	273.6	273.6	275.9
-80°	174.7	181.6	186.2	193.1	195.4	200.0	204.6	206.9	209.2	209.2	211.5
-82.5°	124.1	128.7	133.3	137.9	142.5	144.8	149.4	151.7	154.0	156.3	158.6
-85°	82.8	87.4	92.0	96.5	98.8	101.1	103.4	105.7	108.0	110.3	112.6
-87.5°	48.3	50.6	52.9	57.5	59.8	64.4	66.7	64.4	66.7	66.7	66.7
-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°	89.7	89.7	89.7	89.7	87.4	82.8	80.5	75.9	71.3	66.7	62.1
85°	186.2	188.5	188.5	188.5	183.9	181.6	174.7	167.8	158.6	144.8	133.3
82.5°	310.3	312.6	312.6	310.3	305.7	298.8	289.6	278.2	259.8	241.4	225.3
80°	466.7	469.0	469.0	466.7	455.2	443.7	432.2	418.4	395.4	370.1	342.5
77.5°	652.9	657.5	657.5	650.6	634.5	620.7	602.3	579.3	544.8	508.0	471.3
75°	868.9	880.4	882.7	875.8	855.2	829.9	800.0	760.9	708.0	662.1	618.4
72.5°	1119.5	1131.0	1140.2	1131.0	1101.1	1066.6	1023.0	977.0	924.1	862.1	788.5
70°	1448.2	1459.7	1466.6	1436.8	1383.9	1326.4	1273.5	1220.7	1158.6	1082.7	1002.3
67.5°	1862.0	1850.5	1836.7	1777.0	1710.3	1641.3	1567.8	1489.6	1409.2	1328.7	1234.5
65°	2259.7	2227.5	2197.7	2126.4	2041.3	1951.7	1866.6	1779.3	1682.7	1581.6	1491.9
62.5°	2678.1	2609.1	2535.6	2448.2	2360.9	2262.0	2177.0	2073.5	1965.5	1841.3	1726.4
60°	3089.6	3006.8	2933.3	2825.2	2710.3	2577.0	2485.0	2383.9	2257.4	2124.1	1988.5
57.5°	3487.3	3397.6	3317.2	3222.9	3098.8	2954.0	2852.8	2721.8	2588.5	2420.6	2282.7
55°	3910.3	3820.6	3756.2	3650.5	3514.9	3381.5	3271.2	3133.3	2947.1	2767.8	2597.6
52.5°	4395.3	4324.1	4255.1	4147.0	3983.8	3848.2	3726.4	3572.3	3376.9	3156.3	2951.7
50°	4937.8	4901.1	4827.5	4701.1	4514.9	4395.3	4234.4	4029.8	3820.6	3588.4	3333.3
47.5°	5657.4	5597.6	5494.1	5356.2	5199.9	5020.6	4804.5	4565.4	4268.9	4011.4	3740.2
45°	6517.1	6406.8	6273.4	6087.2	5894.1	5691.8	5455.1	5151.6	4753.9	4418.3	4133.3
42.5°	7448.1	7298.7	7117.1	6873.4	6622.9	6374.6	6119.4	5705.6	5209.1	4822.9	4501.1
40°	8420.5	8229.7	8002.1	7648.1	7370.0	7050.4	6758.5	6140.1	5611.4	5193.0	4850.5
37.5°	9372.2	9130.9	8749.2	8319.4	7995.2	7733.2	7091.8	6429.8	5956.2	5496.4	5149.3
35°	10100.9	9896.4	9222.8	8776.8	8498.7	8084.9	7282.6	6604.5	6103.3	5721.7	5181.5
32.5°	10533.1	10004.4	9413.6	8963.0	8733.2	8055.0	7296.4	6655.0	6172.3	5744.7	5098.7
30°	10436.6	9797.5	9280.3	8903.3	8404.4	7795.2	7167.7	6576.9	6107.9	5590.7	5006.8
27.5°	9855.0	9360.7	8898.7	8505.6	8015.9	7468.8	6889.5	6370.0	5933.2	5432.1	4880.4
25°	9197.5	8749.2	8406.7	8064.2	7599.8	7078.0	6567.7	6193.0	5753.9	5259.7	4714.8
22.5°	8592.9	8271.1	8002.1	7643.5	7190.7	6735.5	6418.3	6029.8	5579.2	5078.1	4544.7
20°	8206.7	7988.3	7680.3	7284.9	6928.6	6643.5	6291.8	5880.3	5416.0	4891.9	4399.9
17.5°	8020.5	7767.7	7425.1	7167.7	6894.1	6581.5	6188.4	5751.6	5257.4	4806.8	4416.0
15°	7924.0	7657.3	7432.0	7179.2	6871.1	6542.4	6105.6	5652.8	5257.4	4841.3	4427.5
12.5°	7944.7	7714.8	7468.8	7193.0	6861.9	6510.2	6114.8	5694.1	5285.0	4866.6	4429.8
10°	8009.0	7767.7	7505.6	7199.9	6866.5	6519.4	6140.1	5719.4	5298.7	4878.1	4425.2
7.5°	8032.0	7770.0	7489.5	7181.5	6855.0	6514.8	6144.7	5726.3	5301.0	4875.8	4411.4
5°	7960.8	7724.0	7452.7	7142.4	6822.9	6491.8	6126.3	5717.1	5282.7	4852.8	4376.9
2.5°	7864.2	7673.4	7413.6	7114.8	6790.7	6459.6	6096.4	5675.7	5241.3	4811.4	4333.2
0°	7848.1	7611.3	7349.3	7082.6	6737.8	6388.4	6027.5	5597.6	5165.4	4733.2	4257.4
-2.5°	7742.4	7491.8	7229.7	6940.1	6636.6	6284.9	5905.6	5484.9	5057.4	4632.1	4174.6
-5°	7661.9	7383.8	7105.6	6793.0	6487.2	6135.5	5742.4	5333.2	4914.8	4501.1	4059.7
-7.5°	7553.9	7268.8	6976.9	6650.4	6319.4	5960.8	5572.3	5163.1	4751.6	4340.1	3917.2
-10°	7335.5	7084.9	6811.4	6473.4	6124.0	5765.4	5379.2	4976.9	4565.4	4149.3	3724.1
-12.5°	7071.1	6806.8	6507.9	6197.6	5884.9	5551.6	5165.4	4770.0	4356.2	3937.9	3514.9
-15°	6728.6	6468.8	6163.1	5859.7	5558.5	5239.0	4898.8	4542.4	4121.8	3710.3	3287.3
-17.5°	6301.0	6057.3	5783.8	5494.1	5195.3	4873.5	4542.4	4241.3	3848.2	3462.0	3043.6
-20°	5841.3	5613.7	5367.7	5094.2	4795.3	4480.4	4167.7	3852.8	3512.6	3172.3	2783.9



REPORT NUMBER: P722025

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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°	5363.1	5133.2	4885.0	4629.8	4353.9	4062.0	3772.3	3471.2	3172.3	2864.3	2535.6
-25°	4811.4	4609.1	4381.5	4133.3	3887.3	3632.1	3356.3	3082.7	2827.5	2560.9	2291.9
-27.5°	4234.4	4048.2	3841.3	3625.2	3413.7	3199.9	2960.9	2708.0	2496.5	2275.8	2052.8
-30°	3627.5	3478.1	3310.3	3121.8	2958.6	2786.2	2586.2	2377.0	2183.9	2016.1	1836.7
-32.5°	3052.8	2926.4	2806.8	2682.7	2521.8	2388.5	2250.5	2096.5	1926.4	1767.8	1639.0
-35°	2558.6	2422.9	2372.4	2280.4	2165.5	2048.2	1947.1	1836.7	1708.0	1567.8	1462.0
-37.5°	2142.5	2062.0	1990.8	1940.2	1864.3	1770.1	1689.6	1609.2	1510.3	1404.6	1298.8
-40°	1818.4	1763.2	1685.0	1659.7	1611.5	1547.1	1464.3	1402.3	1335.6	1255.1	1165.5
-42.5°	1558.6	1517.2	1466.6	1423.0	1402.3	1356.3	1291.9	1232.2	1179.3	1124.1	1055.2
-45°	1344.8	1317.2	1285.0	1246.0	1229.9	1193.1	1147.1	1080.4	1050.6	1004.6	954.0
-47.5°	1172.4	1158.6	1135.6	1110.3	1087.3	1059.7	1018.4	977.0	935.6	905.7	866.6
-50°	1036.8	1027.6	1013.8	993.1	963.2	944.8	917.2	880.4	841.4	816.1	788.5
-52.5°	928.7	919.5	910.3	894.2	871.2	852.9	829.9	800.0	767.8	742.5	719.5
-55°	846.0	832.2	825.3	811.5	793.1	772.4	751.7	731.0	703.4	680.4	657.5
-57.5°	781.6	763.2	754.0	742.5	724.1	703.4	687.3	666.7	648.3	623.0	602.3
-60°	731.0	710.3	691.9	680.4	664.4	643.7	627.6	611.5	593.1	572.4	547.1
-62.5°	689.6	664.4	639.1	625.3	609.2	590.8	574.7	558.6	540.2	519.5	496.5
-65°	650.6	620.7	588.5	574.7	558.6	540.2	519.5	508.0	491.9	473.6	450.6
-67.5°	602.3	570.1	542.5	526.4	510.3	494.2	475.9	464.4	448.3	425.3	402.3
-70°	531.0	510.3	491.9	478.2	464.4	450.6	432.2	413.8	395.4	374.7	354.0
-72.5°	441.4	434.5	432.2	425.3	409.2	393.1	374.7	356.3	340.2	324.1	308.0
-75°	356.3	360.9	365.5	363.2	347.1	331.0	314.9	298.8	287.4	273.6	259.8
-77.5°	282.8	287.4	291.9	291.9	280.5	271.3	259.8	248.3	239.1	227.6	213.8
-80°	218.4	225.3	232.2	236.8	227.6	220.7	211.5	202.3	193.1	183.9	174.7
-82.5°	165.5	172.4	179.3	183.9	177.0	172.4	165.5	158.6	151.7	142.5	135.6
-85°	119.5	124.1	128.7	131.0	126.4	121.8	117.2	112.6	108.0	101.1	96.5
-87.5°	69.0	71.3	73.6	75.9	71.3	66.7	64.4	59.8	57.5	52.9	50.6
-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):

	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°	57.5	52.9	48.3	46.0	41.4	34.5	29.9	25.3	20.7	16.1	13.8
85°	121.8	110.3	96.5	89.7	80.5	71.3	62.1	52.9	43.7	34.5	25.3
82.5°	209.2	195.4	181.6	165.5	144.8	119.5	94.3	78.2	64.4	50.6	39.1
80°	314.9	289.6	266.7	246.0	223.0	190.8	156.3	124.1	87.4	66.7	50.6
77.5°	436.8	406.9	374.7	340.2	303.4	259.8	220.7	179.3	135.6	92.0	64.4
75°	574.7	535.6	491.9	443.7	395.4	337.9	282.8	234.5	183.9	128.7	78.2
72.5°	728.7	680.4	627.6	563.2	487.3	420.7	354.0	289.6	229.9	163.2	105.7
70°	926.4	850.6	772.4	703.4	606.9	501.1	423.0	349.4	273.6	200.0	133.3
67.5°	1137.9	1046.0	951.7	850.6	728.7	604.6	491.9	409.2	319.5	234.5	158.6
65°	1367.8	1252.8	1133.3	1020.7	852.9	705.7	579.3	466.7	363.2	266.7	183.9
62.5°	1604.6	1468.9	1331.0	1183.9	990.8	809.2	662.1	531.0	404.6	296.5	206.9
60°	1857.4	1698.8	1531.0	1347.1	1121.8	921.8	740.2	597.7	448.3	326.4	232.2
57.5°	2124.1	1951.7	1754.0	1505.7	1257.4	1029.9	829.9	657.5	487.3	354.0	250.6
55°	2413.7	2216.0	2000.0	1671.2	1390.8	1137.9	919.5	717.2	528.7	377.0	269.0
52.5°	2726.4	2496.5	2222.9	1845.9	1531.0	1248.3	1002.3	770.1	567.8	402.3	285.1
50°	3075.8	2786.2	2418.3	2006.9	1652.8	1351.7	1085.0	827.6	600.0	429.9	298.8
47.5°	3439.0	3126.4	2593.1	2156.3	1777.0	1452.8	1170.1	878.1	632.2	452.9	312.6
45°	3818.3	3363.2	2774.7	2289.6	1885.0	1544.8	1234.5	924.1	671.3	473.6	324.1
42.5°	4193.0	3542.5	2933.3	2422.9	1986.2	1627.6	1287.3	967.8	703.4	494.2	335.6
40°	4370.0	3678.1	3059.7	2514.9	2071.2	1701.1	1333.3	1006.9	731.0	508.0	347.1
37.5°	4443.6	3760.8	3142.5	2602.2	2137.9	1740.2	1372.4	1041.4	754.0	521.8	356.3
35°	4459.7	3790.7	3183.8	2662.0	2193.1	1777.0	1402.3	1066.6	772.4	535.6	365.5
32.5°	4429.8	3781.5	3195.3	2682.7	2227.5	1804.6	1423.0	1085.0	786.2	549.4	374.7
30°	4363.1	3733.3	3154.0	2680.4	2252.8	1820.7	1436.8	1098.8	800.0	558.6	379.3
27.5°	4255.1	3648.2	3101.1	2682.7	2266.6	1827.5	1443.6	1105.7	809.2	565.5	388.5
25°	4121.8	3533.3	3103.4	2678.1	2268.9	1829.8	1443.6	1105.7	811.5	567.8	395.4
22.5°	3967.7	3533.3	3103.4	2671.2	2255.1	1825.3	1436.8	1101.1	811.5	572.4	402.3
20°	3976.9	3535.6	3096.5	2657.4	2234.4	1811.5	1420.7	1089.6	804.6	579.3	406.9
17.5°	3983.8	3531.0	3082.7	2639.0	2206.9	1788.5	1400.0	1073.5	804.6	586.2	409.2
15°	3983.8	3517.2	3062.0	2611.4	2172.4	1756.3	1370.1	1059.7	806.9	588.5	413.8
12.5°	3976.9	3491.9	3029.8	2574.7	2131.0	1717.2	1351.7	1055.2	806.9	590.8	413.8
10°	3963.1	3457.4	2988.4	2528.7	2091.9	1703.4	1342.5	1046.0	802.3	590.8	413.8
7.5°	3937.9	3416.0	2954.0	2501.1	2068.9	1687.3	1328.7	1032.2	795.4	586.2	418.4
5°	3898.8	3393.0	2926.4	2468.9	2036.7	1675.8	1319.5	1020.7	790.8	586.2	413.8
2.5°	3848.2	3365.4	2894.2	2427.5	2000.0	1636.7	1289.6	995.4	774.7	577.0	409.2
0°	3765.4	3310.3	2839.0	2370.1	1949.4	1597.7	1259.7	970.1	758.6	567.8	404.6
-2.5°	3689.6	3236.7	2767.8	2310.3	1901.1	1563.2	1236.8	956.3	751.7	565.5	402.3
-5°	3583.8	3135.6	2673.5	2232.1	1836.7	1528.7	1213.8	940.2	744.8	560.9	402.3
-7.5°	3466.6	3029.8	2574.7	2151.7	1772.4	1468.9	1170.1	914.9	728.7	551.7	400.0
-10°	3285.0	2871.2	2450.5	2059.7	1703.4	1416.1	1133.3	891.9	714.9	542.5	390.8
-12.5°	3091.9	2696.5	2308.0	1947.1	1625.3	1360.9	1091.9	866.6	698.8	533.3	386.2
-15°	2887.3	2517.2	2158.6	1829.8	1540.2	1294.2	1048.3	839.1	682.7	521.8	379.3
-17.5°	2673.5	2328.7	2004.6	1710.3	1455.1	1225.3	1002.3	813.8	664.4	510.3	372.4
-20°	2448.2	2135.6	1848.2	1588.5	1365.5	1156.3	954.0	783.9	643.7	496.5	363.2



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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°	2225.2	1944.8	1687.3	1468.9	1273.5	1085.0	905.7	754.0	620.7	480.5	356.3
-25°	2027.5	1765.5	1544.8	1354.0	1183.9	1016.1	855.2	724.1	595.4	464.4	347.1
-27.5°	1834.4	1611.5	1404.6	1246.0	1096.5	949.4	806.9	691.9	570.1	446.0	337.9
-30°	1655.1	1464.3	1294.2	1140.2	1013.8	889.6	765.5	659.8	542.5	427.6	326.4
-32.5°	1491.9	1337.9	1195.4	1048.3	935.6	829.9	726.4	627.6	514.9	409.2	314.9
-35°	1340.2	1220.7	1096.5	972.4	857.5	774.7	685.0	593.1	489.6	388.5	303.4
-37.5°	1204.6	1108.0	1009.2	903.4	804.6	721.8	646.0	558.6	464.4	370.1	291.9
-40°	1087.3	1009.2	921.8	836.8	754.0	675.8	606.9	524.1	439.1	356.3	280.5
-42.5°	979.3	919.5	848.3	777.0	703.4	634.5	567.8	487.3	413.8	340.2	269.0
-45°	896.5	836.8	779.3	714.9	652.9	593.1	526.4	455.2	390.8	321.8	257.5
-47.5°	818.4	765.5	712.6	659.8	609.2	554.0	487.3	427.6	365.5	305.7	248.3
-50°	749.4	698.8	652.9	606.9	563.2	510.3	448.3	400.0	344.8	289.6	236.8
-52.5°	685.0	641.4	595.4	558.6	521.8	469.0	418.4	372.4	324.1	271.3	225.3
-55°	627.6	586.2	544.8	510.3	475.9	429.9	388.5	349.4	303.4	257.5	213.8
-57.5°	572.4	537.9	498.8	466.7	432.2	395.4	360.9	324.1	282.8	243.7	202.3
-60°	521.8	489.6	455.2	423.0	393.1	363.2	331.0	301.1	264.4	227.6	190.8
-62.5°	471.3	443.7	413.8	381.6	358.6	331.0	305.7	275.9	246.0	213.8	170.1
-65°	425.3	400.0	372.4	344.8	324.1	303.4	280.5	252.9	227.6	197.7	151.7
-67.5°	379.3	356.3	333.3	310.3	291.9	275.9	252.9	232.2	211.5	179.3	133.3
-70°	335.6	317.2	296.5	278.2	264.4	246.0	229.9	211.5	193.1	156.3	112.6
-72.5°	294.2	275.9	259.8	246.0	234.5	218.4	204.6	190.8	165.5	131.0	94.3
-75°	246.0	234.5	225.3	213.8	202.3	190.8	179.3	163.2	137.9	105.7	73.6
-77.5°	202.3	195.4	188.5	179.3	170.1	160.9	147.1	131.0	110.3	82.8	59.8
-80°	165.5	158.6	154.0	144.8	137.9	128.7	114.9	101.1	80.5	64.4	48.3
-82.5°	126.4	121.8	117.2	112.6	105.7	96.5	82.8	71.3	59.8	48.3	36.8
-85°	89.7	87.4	82.8	78.2	71.3	64.4	55.2	48.3	41.4	32.2	25.3
-87.5°	46.0	43.7	41.4	39.1	36.8	32.2	27.6	23.0	20.7	16.1	11.5
-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°	9.2	6.9	2.3	0.0
85°	18.4	11.5	4.6	0.0
82.5°	27.6	18.4	6.9	0.0
80°	36.8	23.0	11.5	0.0
77.5°	46.0	27.6	13.8	0.0
75°	55.2	34.5	16.1	0.0
72.5°	62.1	39.1	18.4	0.0
70°	73.6	46.0	20.7	0.0
67.5°	92.0	50.6	23.0	0.0
65°	108.0	55.2	25.3	0.0
62.5°	126.4	59.8	27.6	0.0
60°	142.5	64.4	29.9	0.0
57.5°	158.6	75.9	32.2	0.0
55°	172.4	85.1	34.5	0.0
52.5°	188.5	94.3	36.8	0.0
50°	202.3	103.4	39.1	0.0
47.5°	213.8	112.6	39.1	0.0
45°	223.0	119.5	41.4	0.0
42.5°	229.9	126.4	43.7	0.0
40°	236.8	133.3	46.0	0.0
37.5°	243.7	140.2	46.0	0.0
35°	250.6	147.1	48.3	0.0
32.5°	257.5	154.0	48.3	0.0
30°	262.1	158.6	50.6	0.0
27.5°	269.0	163.2	50.6	0.0
25°	271.3	167.8	52.9	0.0
22.5°	275.9	170.1	52.9	0.0
20°	280.5	174.7	52.9	0.0
17.5°	282.8	177.0	55.2	0.0
15°	282.8	179.3	57.5	0.0
12.5°	285.1	181.6	57.5	0.0
10°	285.1	186.2	55.2	0.0
7.5°	289.6	183.9	55.2	0.0
5°	287.4	183.9	55.2	0.0
2.5°	285.1	181.6	55.2	0.0
0°	282.8	181.6	55.2	0.0
-2.5°	282.8	181.6	55.2	0.0
-5°	282.8	181.6	55.2	0.0
-7.5°	280.5	183.9	55.2	0.0
-10°	275.9	183.9	55.2	0.0
-12.5°	273.6	177.0	55.2	0.0
-15°	271.3	174.7	55.2	0.0
-17.5°	266.7	172.4	52.9	0.0
-20°	262.1	170.1	52.9	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	257.5	165.5	52.9	0.0
-25°	252.9	160.9	50.6	0.0
-27.5°	248.3	156.3	50.6	0.0
-30°	241.4	151.7	48.3	0.0
-32.5°	234.5	147.1	48.3	0.0
-35°	229.9	140.2	46.0	0.0
-37.5°	223.0	133.3	46.0	0.0
-40°	216.1	126.4	43.7	0.0
-42.5°	209.2	119.5	41.4	0.0
-45°	200.0	112.6	41.4	0.0
-47.5°	193.1	105.7	39.1	0.0
-50°	181.6	96.5	36.8	0.0
-52.5°	167.8	87.4	34.5	0.0
-55°	154.0	80.5	32.2	0.0
-57.5°	140.2	71.3	32.2	0.0
-60°	126.4	62.1	29.9	0.0
-62.5°	112.6	57.5	27.6	0.0
-65°	98.8	52.9	25.3	0.0
-67.5°	82.8	46.0	23.0	0.0
-70°	69.0	41.4	20.7	0.0
-72.5°	59.8	36.8	18.4	0.0
-75°	50.6	32.2	16.1	0.0
-77.5°	43.7	27.6	13.8	0.0
-80°	34.5	20.7	9.2	0.0
-82.5°	25.3	16.1	6.9	0.0
-85°	16.1	11.5	4.6	0.0
-87.5°	9.2	4.6	2.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)