

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: P721977

Luminaire Tested: **IFLD-M-SA4D-722-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721977
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-722-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

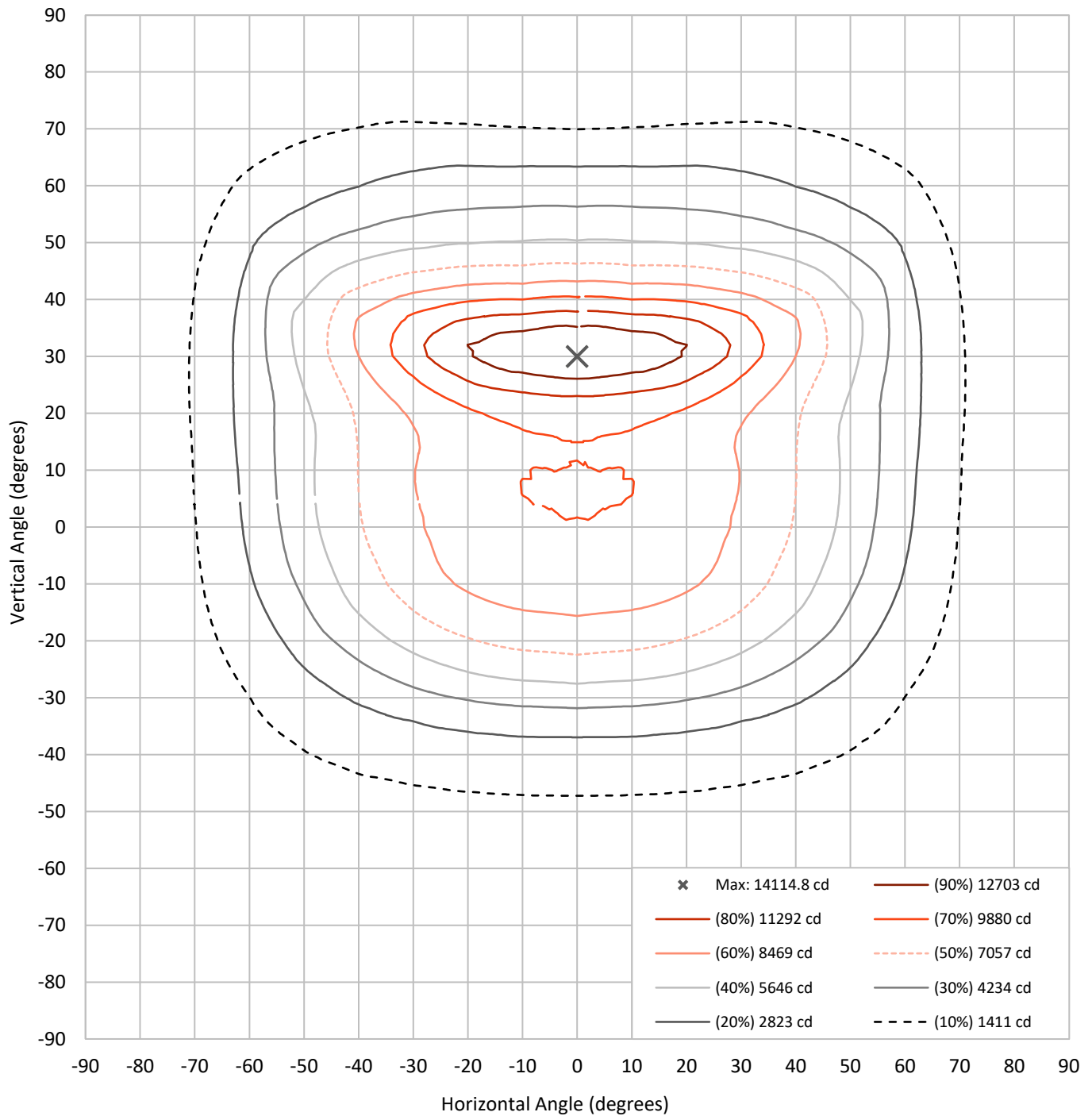
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23561.1 lumens	Max Intensity:	14114.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	94.4 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	13701 lumens	Field Lumens:	22079.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 249.7
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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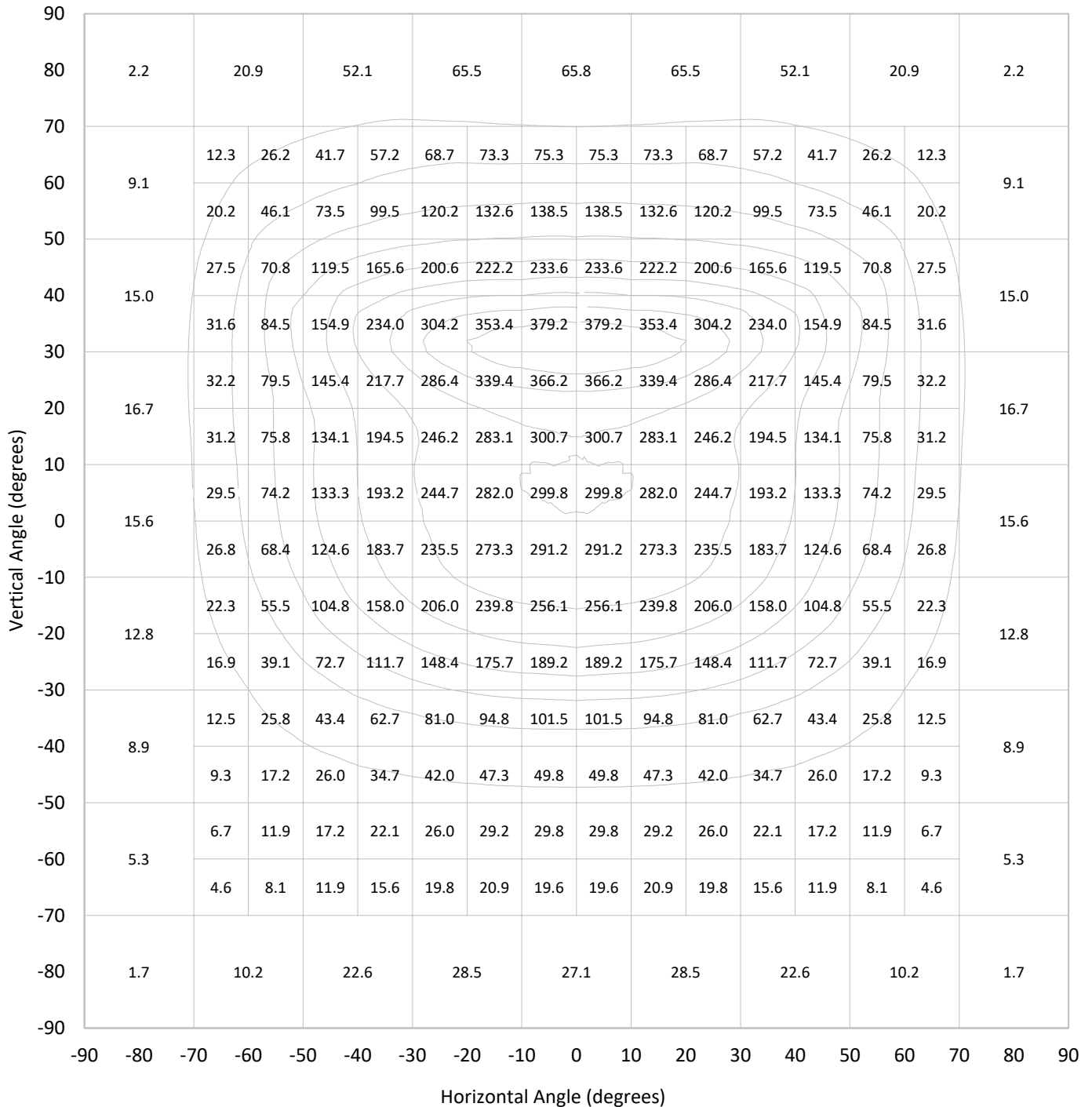
Iso-Candela Plot





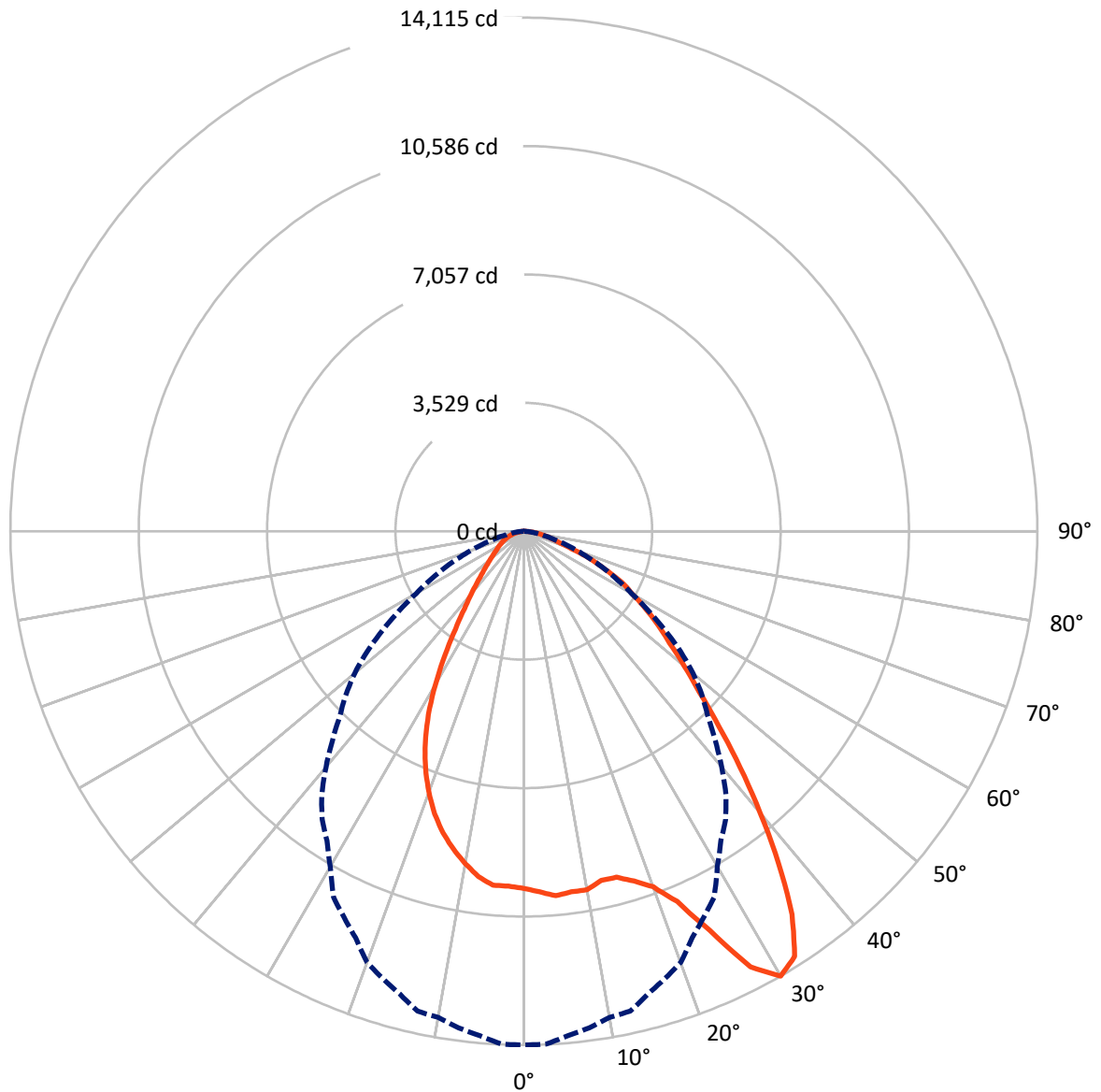
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Lumen Table



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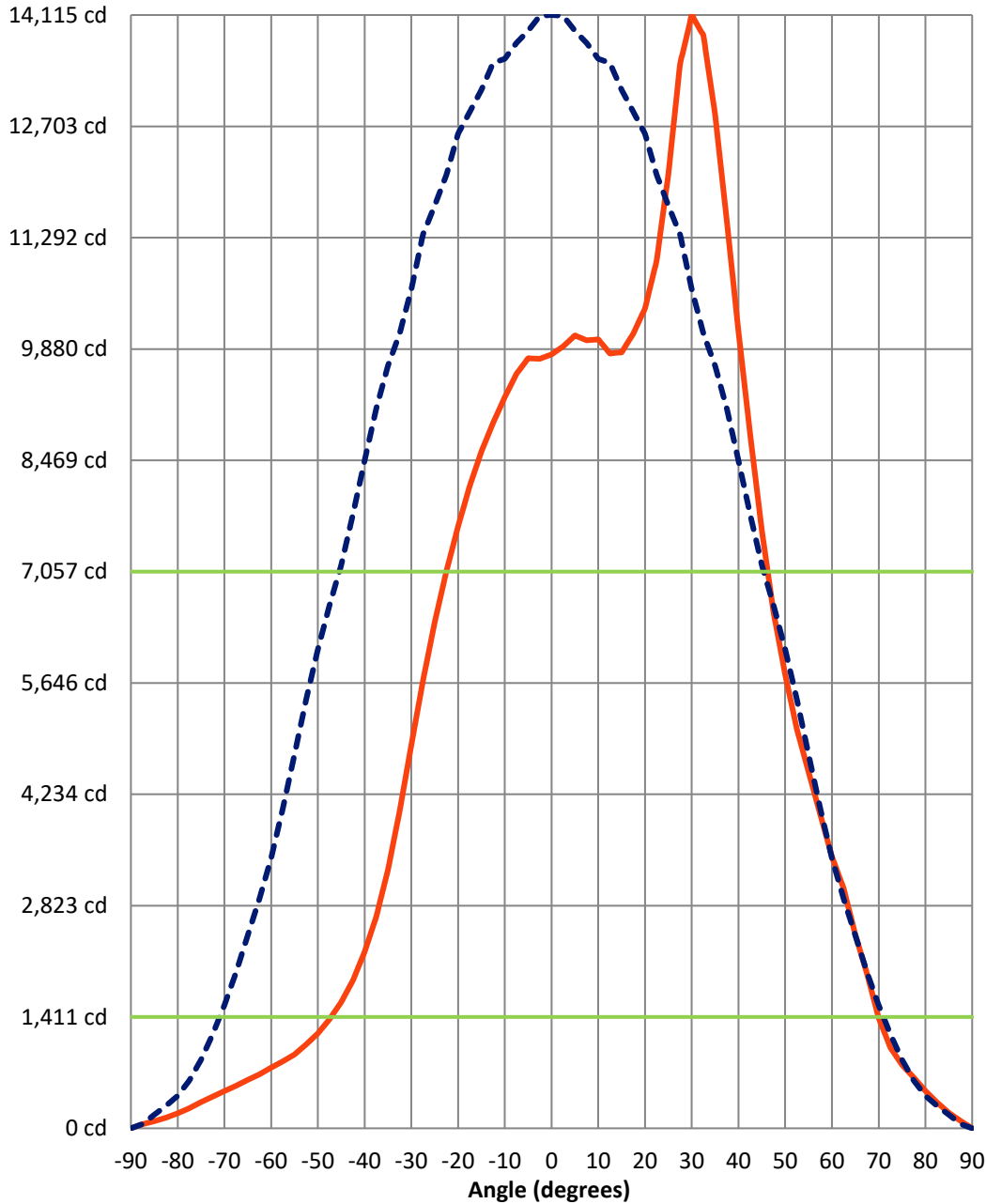
Luminous Intensity Polar Plot



— 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: 13701
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 22079.8
 Efficiency: 93.7%

Spill:
 Lumens: 1481.3
 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°	94.8	97.3	99.8	99.8	97.3	97.3	97.3	94.8	97.3	97.3	97.3
85°	197.2	202.2	207.2	204.7	202.2	197.2	192.2	194.7	197.2	199.7	199.7
82.5°	327.0	334.5	339.5	337.0	332.0	327.0	322.0	324.5	329.5	332.0	332.0
80°	474.2	476.7	479.2	484.2	476.7	476.7	474.2	484.2	489.2	494.2	499.2
77.5°	644.0	646.5	646.5	649.0	651.5	653.9	653.9	671.4	683.9	691.4	698.9
75°	803.7	811.2	818.7	826.2	836.2	841.1	848.6	873.6	893.6	908.5	923.5
72.5°	1023.4	1033.3	1045.8	1063.3	1080.8	1093.2	1110.7	1140.7	1163.1	1178.1	1195.6
70°	1400.2	1410.2	1422.7	1435.2	1452.7	1465.1	1482.6	1520.1	1542.5	1552.5	1562.5
67.5°	1959.3	1984.3	2006.8	1981.8	1969.3	1951.9	1956.8	1991.8	2014.3	2029.2	2026.7
65°	2456.0	2473.5	2473.5	2471.0	2461.0	2438.6	2451.1	2493.5	2518.4	2530.9	2493.5
62.5°	3040.1	3040.1	3027.6	3047.6	3050.1	3035.1	3027.6	3030.1	3032.6	3040.1	2977.7
60°	3444.4	3469.4	3476.9	3494.4	3499.4	3499.4	3511.8	3521.8	3521.8	3506.8	3434.5
57.5°	3978.6	4026.0	4036.0	4023.5	3998.6	3966.1	3961.1	3946.1	3916.2	3886.2	3851.3
55°	4517.7	4542.7	4540.2	4532.7	4507.7	4470.3	4475.3	4455.3	4407.9	4370.5	4323.0
52.5°	5059.3	5119.3	5129.2	5114.3	5079.3	5039.4	5041.9	5019.4	4972.0	4932.1	4867.2
50°	5750.7	5800.7	5795.7	5770.7	5720.8	5690.8	5693.3	5650.9	5596.0	5583.5	5498.6
47.5°	6542.0	6599.4	6589.4	6554.4	6487.0	6474.6	6487.0	6432.1	6399.7	6372.2	6272.4
45°	7580.3	7647.7	7610.2	7542.8	7435.5	7448.0	7465.5	7455.5	7385.6	7313.2	7185.9
42.5°	8798.3	8840.8	8795.8	8728.4	8593.7	8618.6	8608.6	8548.7	8506.3	8386.5	8224.2
40°	10101.2	10193.6	10123.7	10018.9	9879.1	9916.5	9889.1	9811.7	9711.9	9562.1	9357.4
37.5°	11506.5	11578.8	11499.0	11376.7	11251.9	11239.4	11184.5	11064.7	10922.4	10757.7	10430.7
35°	12851.8	13039.0	12891.7	12697.0	12544.8	12487.4	12435.0	12157.9	11995.7	11728.6	11281.8
32.5°	13852.7	13990.0	13807.8	13605.6	13420.9	13341.0	13156.3	12826.8	12739.5	12177.9	11768.5
30°	14114.8	14104.8	13915.1	13760.3	13560.6	13505.7	13166.3	12886.7	12607.2	12088.0	11698.6
27.5°	13490.8	13428.4	13246.2	13111.4	12914.2	12849.3	12514.8	12365.1	11933.3	11494.0	11164.5
25°	12100.5	12132.9	11995.7	11928.3	11798.5	11658.7	11526.4	11324.3	11054.7	10670.3	10368.3
22.5°	11004.8	11047.2	10989.8	10909.9	10810.1	10732.7	10632.9	10475.6	10216.0	9978.9	9694.4
20°	10395.7	10383.3	10333.3	10273.4	10178.6	10123.7	10013.9	9881.6	9681.9	9477.2	9170.2
17.5°	10076.3	9998.9	9951.5	9929.0	9879.1	9809.2	9679.4	9544.6	9389.9	9157.7	8933.1
15°	9839.1	9851.6	9814.2	9796.7	9756.8	9659.4	9527.1	9417.3	9207.7	9090.4	8885.7
12.5°	9824.2	9811.7	9814.2	9806.7	9756.8	9632.0	9564.6	9424.8	9290.0	9135.3	8900.7
10°	10001.4	9869.1	9879.1	9914.0	9834.2	9734.3	9661.9	9509.7	9382.4	9185.2	8953.1
7.5°	9991.4	9924.0	9944.0	9886.6	9911.5	9789.2	9689.4	9537.1	9377.4	9167.7	8958.1
5°	10051.3	9949.0	9931.5	9936.5	9874.1	9781.7	9647.0	9502.2	9352.4	9117.8	8903.2
2.5°	9914.0	9929.0	9849.1	9819.2	9811.7	9656.9	9532.1	9392.4	9237.6	9030.4	8838.3
0°	9811.7	9839.1	9756.8	9714.3	9711.9	9579.6	9499.7	9340.0	9230.1	9057.9	8825.8
-2.5°	9756.8	9789.2	9799.2	9721.8	9647.0	9544.6	9409.8	9237.6	9057.9	8858.2	8658.5
-5°	9761.8	9696.9	9669.4	9694.4	9629.5	9527.1	9377.4	9225.1	9047.9	8833.3	8583.7
-7.5°	9564.6	9499.7	9494.7	9482.2	9467.2	9369.9	9245.1	9080.4	8900.7	8701.0	8468.9
-10°	9270.1	9222.6	9210.2	9197.7	9157.7	9100.3	8983.0	8833.3	8671.0	8471.3	8224.2
-12.5°	8943.1	8920.6	8873.2	8840.8	8800.8	8733.4	8621.1	8483.8	8321.6	8144.4	7932.2
-15°	8581.2	8538.7	8491.3	8463.9	8406.5	8326.6	8214.3	8087.0	7909.8	7735.0	7535.4
-17.5°	8144.4	8092.0	8039.5	8032.1	7992.1	7869.8	7765.0	7610.2	7455.5	7288.3	7093.6
-20°	7630.2	7557.8	7522.9	7502.9	7448.0	7358.1	7245.8	7103.6	6953.8	6794.1	6569.4



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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°	7061.1	6998.7	6938.8	6901.4	6854.0	6784.1	6676.7	6551.9	6404.7	6225.0	6017.8
-25°	6414.7	6327.3	6289.9	6247.4	6222.5	6157.6	6052.7	5937.9	5785.7	5611.0	5413.8
-27.5°	5675.9	5606.0	5586.0	5526.1	5496.1	5428.8	5341.4	5234.1	5094.3	4929.6	4767.3
-30°	4859.7	4817.2	4784.8	4724.9	4702.4	4630.0	4572.6	4482.8	4355.5	4238.2	4108.4
-32.5°	4021.0	3978.6	3968.6	3941.1	3926.2	3878.8	3813.9	3749.0	3646.6	3559.3	3454.4
-35°	3277.2	3247.3	3249.8	3247.3	3232.3	3197.3	3117.5	3100.0	3025.1	2945.3	2877.9
-37.5°	2683.2	2685.7	2683.2	2680.7	2660.7	2645.7	2588.3	2565.9	2520.9	2443.6	2403.6
-40°	2236.4	2241.4	2238.9	2233.9	2211.4	2203.9	2166.5	2136.6	2119.1	2064.2	2021.7
-42.5°	1874.5	1882.0	1879.5	1877.0	1862.0	1859.5	1839.5	1804.6	1794.6	1762.2	1717.2
-45°	1599.9	1597.4	1592.4	1597.4	1589.9	1582.5	1570.0	1547.5	1535.0	1520.1	1482.6
-47.5°	1382.8	1385.3	1380.3	1380.3	1370.3	1362.8	1357.8	1342.8	1332.9	1320.4	1297.9
-50°	1203.1	1213.0	1210.5	1208.1	1200.6	1195.6	1195.6	1180.6	1165.6	1160.6	1145.7
-52.5°	1063.3	1070.8	1073.3	1078.3	1080.8	1083.3	1075.8	1060.8	1035.8	1033.3	1025.8
-55°	936.0	958.5	973.4	983.4	993.4	1000.9	985.9	965.9	941.0	931.0	928.5
-57.5°	848.6	871.1	888.6	903.5	916.0	928.5	913.5	893.6	871.1	858.6	856.1
-60°	768.8	788.7	806.2	826.2	843.6	863.6	856.1	841.1	828.7	818.7	808.7
-62.5°	683.9	703.9	723.8	748.8	771.3	791.2	793.7	791.2	788.7	791.2	773.8
-65°	614.0	624.0	636.5	663.9	688.9	711.4	723.8	731.3	743.8	756.3	738.8
-67.5°	539.1	551.6	566.6	586.6	606.5	621.5	639.0	658.9	678.9	698.9	686.4
-70°	471.7	481.7	494.2	504.2	516.7	526.7	541.6	564.1	586.6	606.5	601.5
-72.5°	401.9	411.8	419.3	424.3	431.8	436.8	444.3	464.3	479.2	489.2	489.2
-75°	332.0	341.9	349.4	351.9	356.9	359.4	364.4	371.9	379.4	381.9	384.4
-77.5°	254.6	264.6	272.1	277.1	282.0	287.0	289.5	294.5	297.0	297.0	299.5
-80°	189.7	197.2	202.2	209.7	212.2	217.2	222.1	224.6	227.1	227.1	229.6
-82.5°	134.8	139.8	144.8	149.8	154.8	157.2	162.2	164.7	167.2	169.7	172.2
-85°	89.9	94.8	99.8	104.8	107.3	109.8	112.3	114.8	117.3	119.8	122.3
-87.5°	52.4	54.9	57.4	62.4	64.9	69.9	72.4	69.9	72.4	72.4	72.4
-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):

	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°	97.3	97.3	97.3	97.3	94.8	89.9	87.4	82.4	77.4	72.4	67.4
85°	202.2	204.7	204.7	204.7	199.7	197.2	189.7	182.2	172.2	157.2	144.8
82.5°	337.0	339.5	339.5	337.0	332.0	324.5	314.5	302.0	282.0	262.1	244.6
80°	506.7	509.2	509.2	506.7	494.2	481.7	469.2	454.3	429.3	401.9	371.9
77.5°	708.9	713.8	713.8	706.4	688.9	673.9	653.9	629.0	591.5	551.6	511.7
75°	943.5	956.0	958.5	951.0	928.5	901.0	868.6	826.2	768.8	718.8	671.4
72.5°	1215.5	1228.0	1238.0	1228.0	1195.6	1158.1	1110.7	1060.8	1003.4	936.0	856.1
70°	1572.5	1584.9	1592.4	1560.0	1502.6	1440.2	1382.8	1325.4	1258.0	1175.6	1088.2
67.5°	2021.7	2009.3	1994.3	1929.4	1857.0	1782.1	1702.3	1617.4	1530.0	1442.7	1340.3
65°	2453.5	2418.6	2386.2	2308.8	2216.4	2119.1	2026.7	1931.9	1827.1	1717.2	1619.9
62.5°	2907.8	2832.9	2753.1	2658.2	2563.4	2456.0	2363.7	2251.4	2134.1	1999.3	1874.5
60°	3354.6	3264.7	3184.9	3067.6	2942.8	2798.0	2698.2	2588.3	2451.1	2306.3	2159.0
57.5°	3786.4	3689.1	3601.7	3499.4	3364.6	3207.3	3097.5	2955.2	2810.5	2628.3	2478.5
55°	4245.7	4148.3	4078.4	3963.6	3816.4	3671.6	3551.8	3402.0	3199.8	3005.2	2820.5
52.5°	4772.3	4694.9	4620.1	4502.7	4325.5	4178.3	4046.0	3878.8	3666.6	3427.0	3204.8
50°	5361.4	5321.4	5241.6	5104.3	4902.1	4772.3	4597.6	4375.4	4148.3	3896.2	3619.2
47.5°	6142.6	6077.7	5965.4	5815.6	5645.9	5451.2	5216.6	4957.0	4635.0	4355.5	4061.0
45°	7076.1	6956.3	6811.5	6609.4	6399.7	6180.0	5923.0	5593.5	5161.7	4797.3	4487.8
42.5°	8087.0	7924.7	7727.5	7463.0	7190.9	6921.3	6644.3	6195.0	5655.9	5236.6	4887.1
40°	9142.8	8935.6	8688.5	8304.1	8002.1	7655.2	7338.2	6666.8	6092.7	5638.4	5266.5
37.5°	10176.1	9914.0	9499.7	9032.9	8681.0	8396.5	7700.1	6981.3	6467.1	5967.9	5591.0
35°	10967.3	10745.2	10013.9	9529.6	9227.6	8778.4	7907.3	7170.9	6626.8	6212.5	5625.9
32.5°	11436.6	10862.5	10221.0	9731.8	9482.2	8745.9	7922.2	7225.9	6701.7	6237.4	5536.1
30°	11331.7	10637.9	10076.3	9666.9	9125.3	8463.9	7782.5	7141.0	6631.8	6070.2	5436.2
27.5°	10700.3	10163.6	9661.9	9235.1	8703.5	8109.4	7480.4	6916.4	6442.1	5898.0	5299.0
25°	9986.4	9499.7	9127.8	8755.9	8251.7	7685.1	7131.0	6724.2	6247.4	5710.8	5119.3
22.5°	9330.0	8980.5	8688.5	8299.1	7807.4	7313.2	6968.8	6547.0	6057.7	5513.6	4934.5
20°	8910.6	8673.5	8339.1	7909.8	7522.9	7213.4	6831.5	6384.7	5880.5	5311.4	4777.3
17.5°	8708.5	8433.9	8062.0	7782.5	7485.4	7146.0	6719.2	6244.9	5708.3	5219.1	4794.8
15°	8603.6	8314.1	8069.5	7794.9	7460.5	7103.6	6629.3	6137.6	5708.3	5256.5	4807.3
12.5°	8626.1	8376.5	8109.4	7809.9	7450.5	7068.6	6639.3	6182.5	5738.3	5284.0	4809.7
10°	8696.0	8433.9	8149.4	7817.4	7455.5	7078.6	6666.8	6210.0	5753.2	5296.5	4804.8
7.5°	8720.9	8436.4	8131.9	7797.4	7443.0	7073.6	6671.7	6217.5	5755.7	5294.0	4789.8
5°	8643.6	8386.5	8092.0	7755.0	7408.1	7048.6	6651.8	6207.5	5735.8	5269.0	4752.3
2.5°	8538.7	8331.6	8049.5	7725.1	7373.1	7013.7	6619.3	6162.6	5690.8	5224.1	4704.9
0°	8521.3	8264.2	7979.6	7690.1	7315.7	6936.3	6544.5	6077.7	5608.5	5139.2	4622.6
-2.5°	8406.5	8134.4	7849.9	7535.4	7205.9	6824.0	6412.2	5955.4	5491.2	5029.4	4532.7
-5°	8319.1	8017.1	7715.1	7375.6	7043.7	6661.8	6235.0	5790.7	5336.4	4887.1	4407.9
-7.5°	8201.8	7892.3	7575.3	7220.9	6861.4	6472.1	6050.3	5606.0	5159.2	4712.4	4253.1
-10°	7964.7	7692.6	7395.6	7028.7	6649.3	6259.9	5840.6	5403.8	4957.0	4505.2	4043.5
-12.5°	7677.6	7390.6	7066.1	6729.2	6389.7	6027.8	5608.5	5179.2	4729.9	4275.6	3816.4
-15°	7305.7	7023.7	6691.7	6362.2	6035.3	5688.3	5318.9	4932.1	4475.3	4028.5	3569.2
-17.5°	6841.5	6576.9	6279.9	5965.4	5640.9	5291.5	4932.1	4605.1	4178.3	3758.9	3304.7
-20°	6342.3	6095.2	5828.1	5531.1	5206.6	4864.7	4525.2	4183.3	3813.9	3444.4	3022.6



REPORT NUMBER: P721977
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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°	5823.1	5573.5	5304.0	5026.9	4727.4	4410.4	4095.9	3768.9	3444.4	3110.0	2753.1
-25°	5224.1	5004.4	4757.3	4487.8	4220.7	3943.6	3644.1	3347.1	3070.1	2780.5	2488.5
-27.5°	4597.6	4395.4	4170.8	3936.2	3706.5	3474.4	3214.8	2940.3	2710.6	2471.0	2228.9
-30°	3938.7	3776.4	3594.2	3389.5	3212.3	3025.1	2808.0	2580.8	2371.2	2189.0	1994.3
-32.5°	3314.7	3177.4	3047.6	2912.8	2738.1	2593.3	2443.6	2276.3	2091.6	1919.4	1779.6
-35°	2778.0	2630.8	2575.8	2476.0	2351.2	2223.9	2114.1	1994.3	1854.5	1702.3	1587.4
-37.5°	2326.3	2238.9	2161.5	2106.6	2024.2	1921.9	1834.5	1747.2	1639.9	1525.0	1410.2
-40°	1974.3	1914.4	1829.6	1802.1	1749.7	1679.8	1589.9	1522.5	1450.2	1362.8	1265.5
-42.5°	1692.3	1647.3	1592.4	1545.0	1522.5	1472.6	1402.7	1337.8	1280.4	1220.5	1145.7
-45°	1460.1	1430.2	1395.3	1352.8	1335.3	1295.4	1245.5	1173.1	1140.7	1090.7	1035.8
-47.5°	1272.9	1258.0	1233.0	1205.6	1180.6	1150.6	1105.7	1060.8	1015.9	983.4	941.0
-50°	1125.7	1115.7	1100.7	1078.3	1045.8	1025.8	995.9	956.0	913.5	886.1	856.1
-52.5°	1008.4	998.4	988.4	970.9	946.0	926.0	901.0	868.6	833.7	806.2	781.2
-55°	918.5	903.5	896.1	881.1	861.1	838.6	816.2	793.7	763.8	738.8	713.8
-57.5°	848.6	828.7	818.7	806.2	786.2	763.8	746.3	723.8	703.9	676.4	653.9
-60°	793.7	771.3	751.3	738.8	721.3	698.9	681.4	663.9	644.0	621.5	594.0
-62.5°	748.8	721.3	693.9	678.9	661.4	641.5	624.0	606.5	586.6	564.1	539.1
-65°	706.4	673.9	639.0	624.0	606.5	586.6	564.1	551.6	534.1	514.2	489.2
-67.5°	653.9	619.0	589.1	571.6	554.1	536.6	516.7	504.2	486.7	461.8	436.8
-70°	576.6	554.1	534.1	519.2	504.2	489.2	469.2	449.3	429.3	406.8	384.4
-72.5°	479.2	471.7	469.2	461.8	444.3	426.8	406.8	386.9	369.4	351.9	334.5
-75°	386.9	391.9	396.9	394.4	376.9	359.4	341.9	324.5	312.0	297.0	282.0
-77.5°	307.0	312.0	317.0	317.0	304.5	294.5	282.0	269.6	259.6	247.1	232.1
-80°	237.1	244.6	252.1	257.1	247.1	239.6	229.6	219.6	209.7	199.7	189.7
-82.5°	179.7	187.2	194.7	199.7	192.2	187.2	179.7	172.2	164.7	154.8	147.3
-85°	129.8	134.8	139.8	142.3	137.3	132.3	127.3	122.3	117.3	109.8	104.8
-87.5°	74.9	77.4	79.9	82.4	77.4	72.4	69.9	64.9	62.4	57.4	54.9
-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):

	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°	62.4	57.4	52.4	49.9	44.9	37.4	32.4	27.5	22.5	17.5	15.0
85°	132.3	119.8	104.8	97.3	87.4	77.4	67.4	57.4	47.4	37.4	27.5
82.5°	227.1	212.2	197.2	179.7	157.2	129.8	102.3	84.9	69.9	54.9	42.4
80°	341.9	314.5	289.5	267.1	242.1	207.2	169.7	134.8	94.8	72.4	54.9
77.5°	474.2	441.8	406.8	369.4	329.5	282.0	239.6	194.7	147.3	99.8	69.9
75°	624.0	581.6	534.1	481.7	429.3	366.9	307.0	254.6	199.7	139.8	84.9
72.5°	791.2	738.8	681.4	611.5	529.1	456.8	384.4	314.5	249.6	177.2	114.8
70°	1005.9	923.5	838.6	763.8	658.9	544.1	459.3	379.4	297.0	217.2	144.8
67.5°	1235.5	1135.7	1033.3	923.5	791.2	656.4	534.1	444.3	346.9	254.6	172.2
65°	1485.1	1360.3	1230.5	1108.2	926.0	766.3	629.0	506.7	394.4	289.5	199.7
62.5°	1742.2	1594.9	1445.2	1285.4	1075.8	878.6	718.8	576.6	439.3	322.0	224.6
60°	2016.8	1844.5	1662.3	1462.6	1218.0	1000.9	803.7	649.0	486.7	354.4	252.1
57.5°	2306.3	2119.1	1904.4	1634.9	1365.3	1118.2	901.0	713.8	529.1	384.4	272.1
55°	2620.8	2406.1	2171.5	1814.6	1510.1	1235.5	998.4	778.7	574.1	409.3	292.0
52.5°	2960.2	2710.6	2413.6	2004.3	1662.3	1355.3	1088.2	836.2	616.5	436.8	309.5
50°	3339.6	3025.1	2625.8	2179.0	1794.6	1467.6	1178.1	898.6	651.5	466.7	324.5
47.5°	3734.0	3394.5	2815.5	2341.2	1929.4	1577.5	1270.5	953.5	686.4	491.7	339.5
45°	4145.8	3651.6	3012.6	2486.0	2046.7	1677.3	1340.3	1003.4	728.8	514.2	351.9
42.5°	4552.7	3846.3	3184.9	2630.8	2156.5	1767.2	1397.7	1050.8	763.8	536.6	364.4
40°	4744.9	3993.6	3322.1	2730.6	2248.9	1847.0	1447.7	1093.2	793.7	551.6	376.9
37.5°	4824.7	4083.4	3412.0	2825.4	2321.3	1889.5	1490.1	1130.7	818.7	566.6	386.9
35°	4842.2	4115.9	3456.9	2890.3	2381.2	1929.4	1522.5	1158.1	838.6	581.6	396.9
32.5°	4809.7	4105.9	3469.4	2912.8	2418.6	1959.3	1545.0	1178.1	853.6	596.5	406.8
30°	4737.4	4053.5	3424.5	2910.3	2446.1	1976.8	1560.0	1193.1	868.6	606.5	411.8
27.5°	4620.1	3961.1	3367.1	2912.8	2461.0	1984.3	1567.5	1200.6	878.6	614.0	421.8
25°	4475.3	3836.3	3369.6	2907.8	2463.5	1986.8	1567.5	1200.6	881.1	616.5	429.3
22.5°	4308.1	3836.3	3369.6	2900.3	2448.6	1981.8	1560.0	1195.6	881.1	621.5	436.8
20°	4318.0	3838.8	3362.1	2885.4	2426.1	1966.8	1542.5	1183.1	873.6	629.0	441.8
17.5°	4325.5	3833.8	3347.1	2865.4	2396.1	1941.9	1520.1	1165.6	873.6	636.5	444.3
15°	4325.5	3818.8	3324.6	2835.4	2358.7	1906.9	1487.6	1150.6	876.1	639.0	449.3
12.5°	4318.0	3791.4	3289.7	2795.5	2313.8	1864.5	1467.6	1145.7	876.1	641.5	449.3
10°	4303.1	3754.0	3244.8	2745.6	2271.3	1849.5	1457.7	1135.7	871.1	641.5	449.3
7.5°	4275.6	3709.0	3207.3	2715.6	2246.4	1832.0	1442.7	1120.7	863.6	636.5	454.3
5°	4233.2	3684.1	3177.4	2680.7	2211.4	1819.6	1432.7	1108.2	858.6	636.5	449.3
2.5°	4178.3	3654.1	3142.4	2635.8	2171.5	1777.1	1400.2	1080.8	841.1	626.5	444.3
0°	4088.4	3594.2	3082.5	2573.4	2116.6	1734.7	1367.8	1053.3	823.7	616.5	439.3
-2.5°	4006.0	3514.3	3005.2	2508.5	2064.2	1697.3	1342.8	1038.3	816.2	614.0	436.8
-5°	3891.2	3404.5	2902.8	2423.6	1994.3	1659.8	1317.9	1020.9	808.7	609.0	436.8
-7.5°	3763.9	3289.7	2795.5	2336.2	1924.4	1594.9	1270.5	993.4	791.2	599.0	434.3
-10°	3566.8	3117.5	2660.7	2236.4	1849.5	1537.5	1230.5	968.4	776.2	589.1	424.3
-12.5°	3357.1	2927.8	2506.0	2114.1	1764.7	1477.6	1185.6	941.0	758.8	579.1	419.3
-15°	3134.9	2733.1	2343.7	1986.8	1672.3	1405.2	1138.2	911.0	741.3	566.6	411.8
-17.5°	2902.8	2528.4	2176.5	1857.0	1580.0	1330.4	1088.2	883.6	721.3	554.1	404.3
-20°	2658.2	2318.8	2006.8	1724.7	1482.6	1255.5	1035.8	851.1	698.9	539.1	394.4



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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°	2416.1	2111.6	1832.0	1594.9	1382.8	1178.1	983.4	818.7	673.9	521.7	386.9
-25°	2201.5	1916.9	1677.3	1470.1	1285.4	1103.2	928.5	786.2	646.5	504.2	376.9
-27.5°	1991.8	1749.7	1525.0	1352.8	1190.6	1030.8	876.1	751.3	619.0	484.2	366.9
-30°	1797.1	1589.9	1405.2	1238.0	1100.7	965.9	831.2	716.3	589.1	464.3	354.4
-32.5°	1619.9	1452.7	1297.9	1138.2	1015.9	901.0	788.7	681.4	559.1	444.3	341.9
-35°	1455.2	1325.4	1190.6	1055.8	931.0	841.1	743.8	644.0	531.6	421.8	329.5
-37.5°	1307.9	1203.1	1095.7	980.9	873.6	783.7	701.4	606.5	504.2	401.9	317.0
-40°	1180.6	1095.7	1000.9	908.5	818.7	733.8	658.9	569.1	476.7	386.9	304.5
-42.5°	1063.3	998.4	921.0	843.6	763.8	688.9	616.5	529.1	449.3	369.4	292.0
-45°	973.4	908.5	846.1	776.2	708.9	644.0	571.6	494.2	424.3	349.4	279.5
-47.5°	888.6	831.2	773.8	716.3	661.4	601.5	529.1	464.3	396.9	332.0	269.6
-50°	813.7	758.8	708.9	658.9	611.5	554.1	486.7	434.3	374.4	314.5	257.1
-52.5°	743.8	696.4	646.5	606.5	566.6	509.2	454.3	404.3	351.9	294.5	244.6
-55°	681.4	636.5	591.5	554.1	516.7	466.7	421.8	379.4	329.5	279.5	232.1
-57.5°	621.5	584.1	541.6	506.7	469.2	429.3	391.9	351.9	307.0	264.6	219.6
-60°	566.6	531.6	494.2	459.3	426.8	394.4	359.4	327.0	287.0	247.1	207.2
-62.5°	511.7	481.7	449.3	414.3	389.4	359.4	332.0	299.5	267.1	232.1	184.7
-65°	461.8	434.3	404.3	374.4	351.9	329.5	304.5	274.6	247.1	214.7	164.7
-67.5°	411.8	386.9	361.9	337.0	317.0	299.5	274.6	252.1	229.6	194.7	144.8
-70°	364.4	344.4	322.0	302.0	287.0	267.1	249.6	229.6	209.7	169.7	122.3
-72.5°	319.5	299.5	282.0	267.1	254.6	237.1	222.1	207.2	179.7	142.3	102.3
-75°	267.1	254.6	244.6	232.1	219.6	207.2	194.7	177.2	149.8	114.8	79.9
-77.5°	219.6	212.2	204.7	194.7	184.7	174.7	159.7	142.3	119.8	89.9	64.9
-80°	179.7	172.2	167.2	157.2	149.8	139.8	124.8	109.8	87.4	69.9	52.4
-82.5°	137.3	132.3	127.3	122.3	114.8	104.8	89.9	77.4	64.9	52.4	39.9
-85°	97.3	94.8	89.9	84.9	77.4	69.9	59.9	52.4	44.9	34.9	27.5
-87.5°	49.9	47.4	44.9	42.4	39.9	34.9	30.0	25.0	22.5	17.5	12.5
-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°	10.0	7.5	2.5	0.0
85°	20.0	12.5	5.0	0.0
82.5°	30.0	20.0	7.5	0.0
80°	39.9	25.0	12.5	0.0
77.5°	49.9	30.0	15.0	0.0
75°	59.9	37.4	17.5	0.0
72.5°	67.4	42.4	20.0	0.0
70°	79.9	49.9	22.5	0.0
67.5°	99.8	54.9	25.0	0.0
65°	117.3	59.9	27.5	0.0
62.5°	137.3	64.9	30.0	0.0
60°	154.8	69.9	32.4	0.0
57.5°	172.2	82.4	34.9	0.0
55°	187.2	92.4	37.4	0.0
52.5°	204.7	102.3	39.9	0.0
50°	219.6	112.3	42.4	0.0
47.5°	232.1	122.3	42.4	0.0
45°	242.1	129.8	44.9	0.0
42.5°	249.6	137.3	47.4	0.0
40°	257.1	144.8	49.9	0.0
37.5°	264.6	152.3	49.9	0.0
35°	272.1	159.7	52.4	0.0
32.5°	279.5	167.2	52.4	0.0
30°	284.5	172.2	54.9	0.0
27.5°	292.0	177.2	54.9	0.0
25°	294.5	182.2	57.4	0.0
22.5°	299.5	184.7	57.4	0.0
20°	304.5	189.7	57.4	0.0
17.5°	307.0	192.2	59.9	0.0
15°	307.0	194.7	62.4	0.0
12.5°	309.5	197.2	62.4	0.0
10°	309.5	202.2	59.9	0.0
7.5°	314.5	199.7	59.9	0.0
5°	312.0	199.7	59.9	0.0
2.5°	309.5	197.2	59.9	0.0
0°	307.0	197.2	59.9	0.0
-2.5°	307.0	197.2	59.9	0.0
-5°	307.0	197.2	59.9	0.0
-7.5°	304.5	199.7	59.9	0.0
-10°	299.5	199.7	59.9	0.0
-12.5°	297.0	192.2	59.9	0.0
-15°	294.5	189.7	59.9	0.0
-17.5°	289.5	187.2	57.4	0.0
-20°	284.5	184.7	57.4	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	279.5	179.7	57.4	0.0
-25°	274.6	174.7	54.9	0.0
-27.5°	269.6	169.7	54.9	0.0
-30°	262.1	164.7	52.4	0.0
-32.5°	254.6	159.7	52.4	0.0
-35°	249.6	152.3	49.9	0.0
-37.5°	242.1	144.8	49.9	0.0
-40°	234.6	137.3	47.4	0.0
-42.5°	227.1	129.8	44.9	0.0
-45°	217.2	122.3	44.9	0.0
-47.5°	209.7	114.8	42.4	0.0
-50°	197.2	104.8	39.9	0.0
-52.5°	182.2	94.8	37.4	0.0
-55°	167.2	87.4	34.9	0.0
-57.5°	152.3	77.4	34.9	0.0
-60°	137.3	67.4	32.4	0.0
-62.5°	122.3	62.4	30.0	0.0
-65°	107.3	57.4	27.5	0.0
-67.5°	89.9	49.9	25.0	0.0
-70°	74.9	44.9	22.5	0.0
-72.5°	64.9	39.9	20.0	0.0
-75°	54.9	34.9	17.5	0.0
-77.5°	47.4	30.0	15.0	0.0
-80°	37.4	22.5	10.0	0.0
-82.5°	27.5	17.5	7.5	0.0
-85°	17.5	12.5	5.0	0.0
-87.5°	10.0	5.0	2.5	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)