

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: P721979

Luminaire Tested: **IFLD-L-SA7A-722-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721979
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-722-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

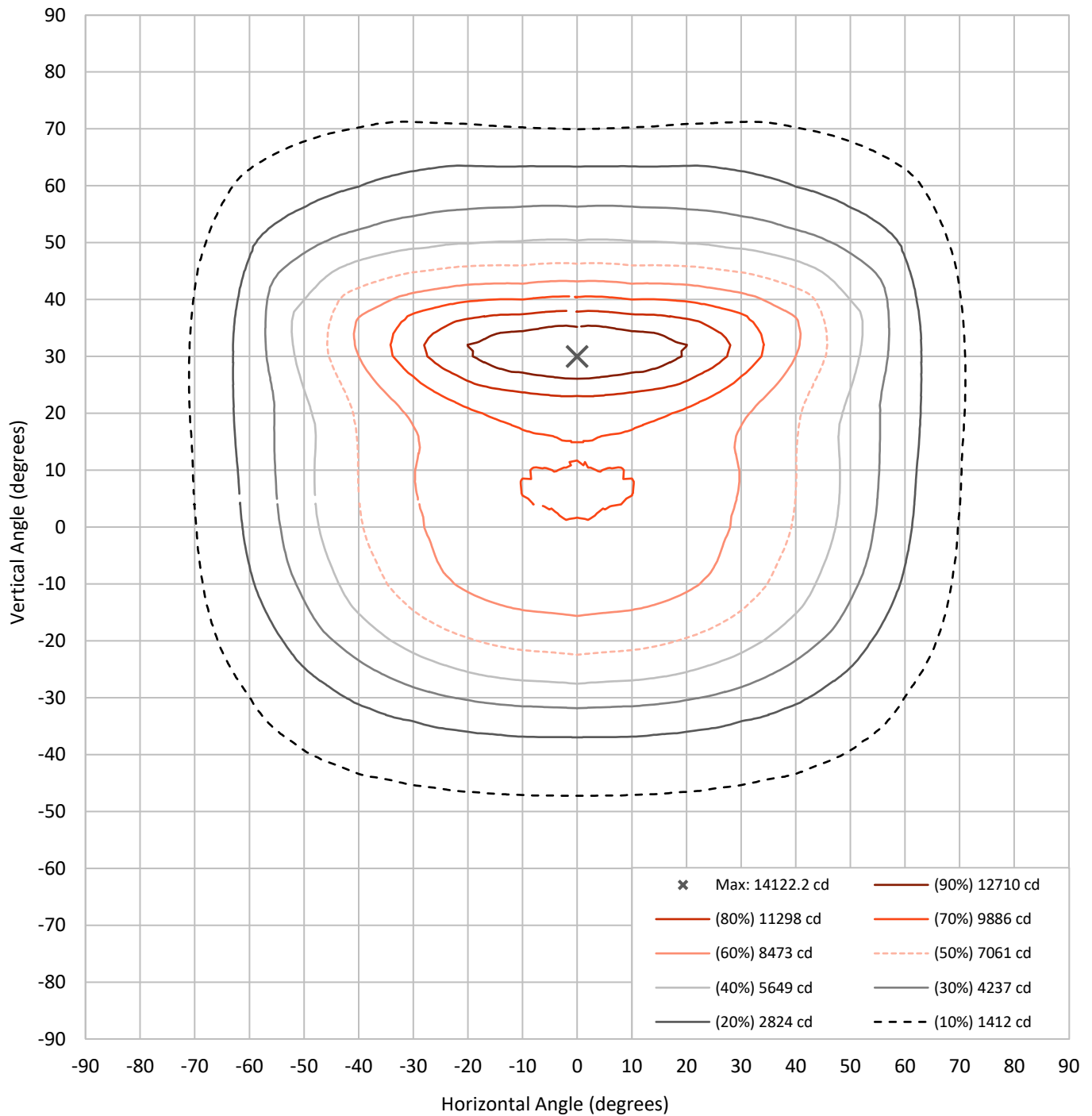
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23573.6 lumens	Max Intensity:	14122.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	108.3 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	13708.3 lumens	Field Lumens:	22091.5 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 217.6
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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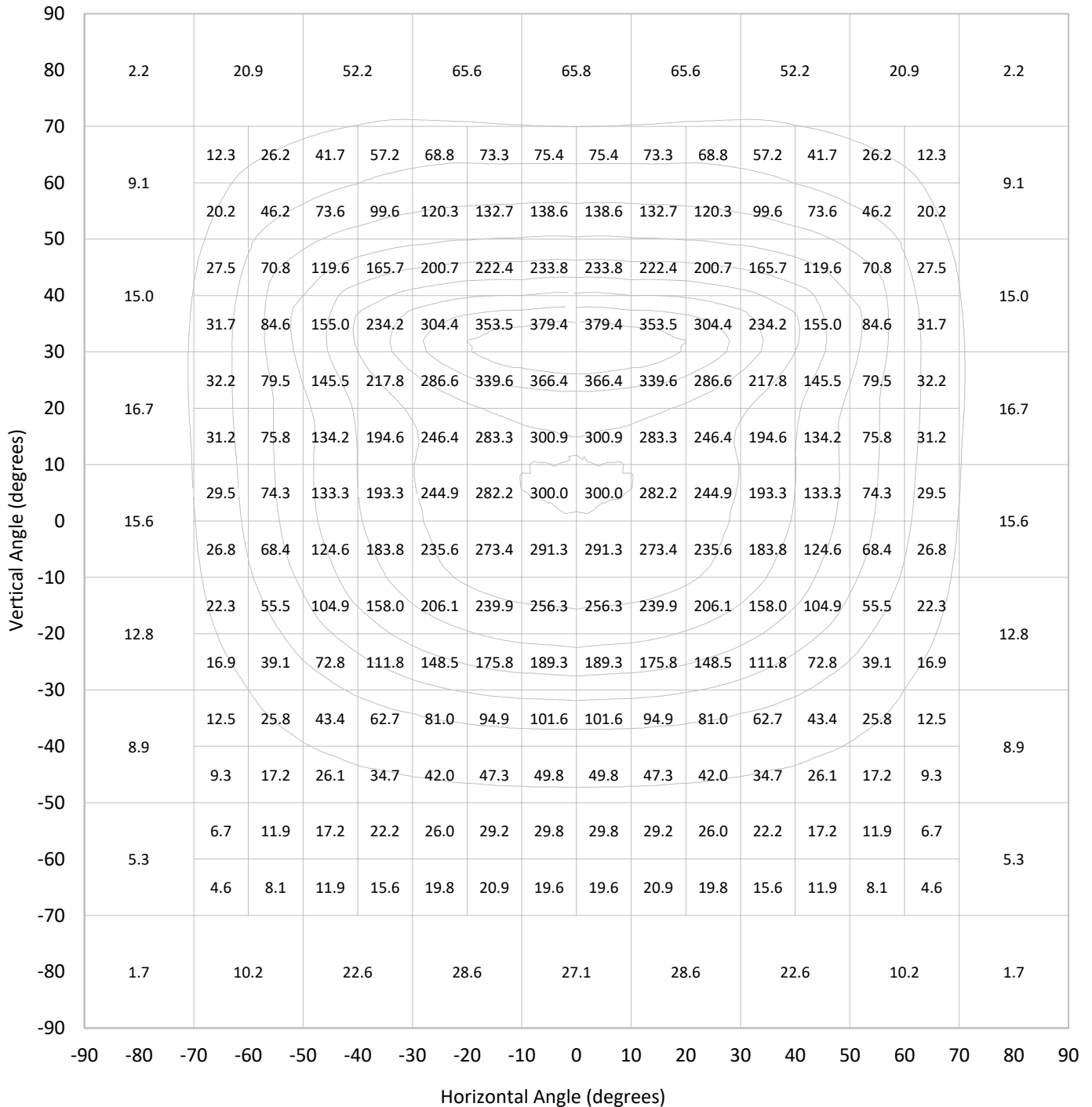
Iso-Candela Plot





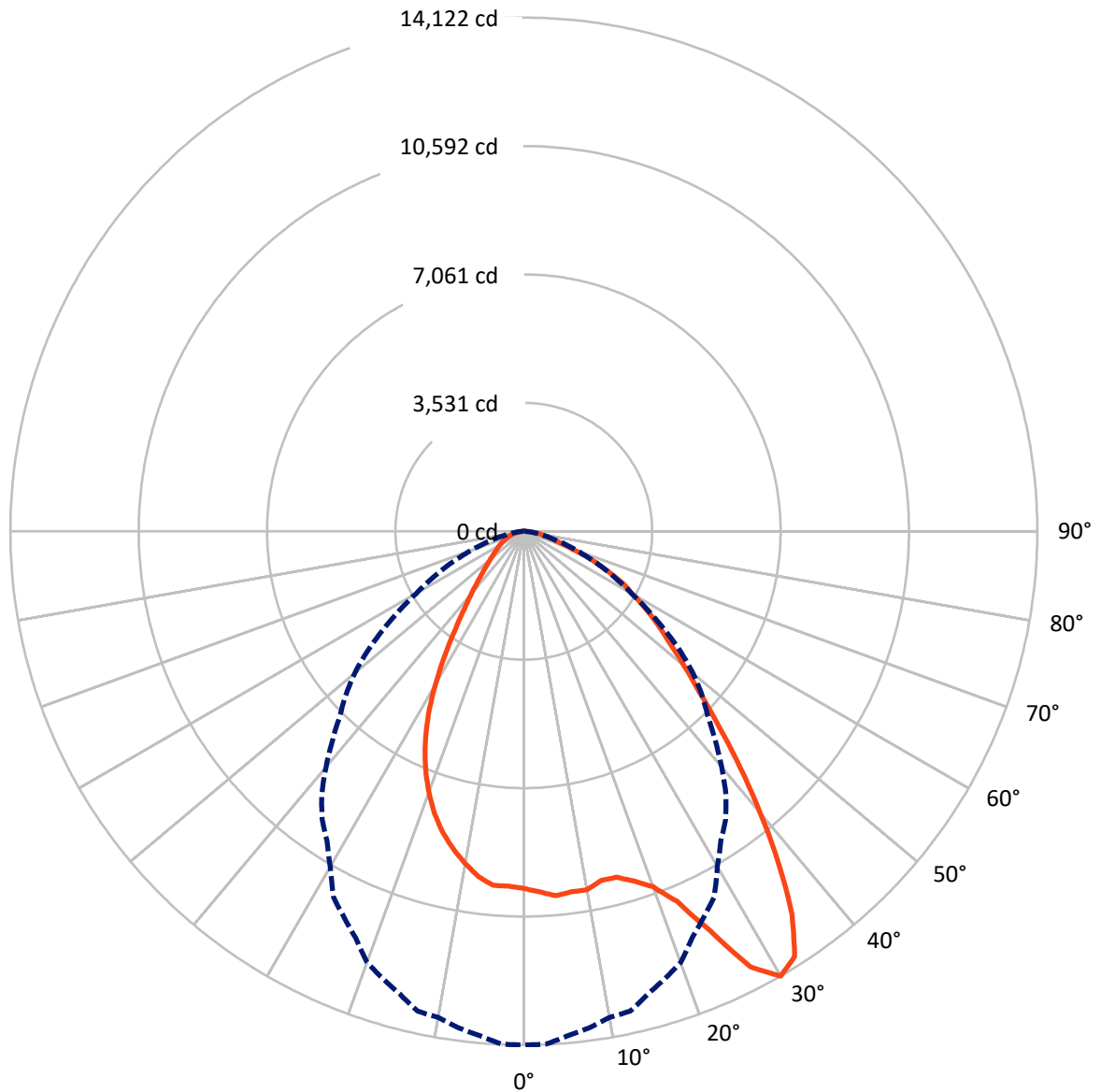
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Lumen Table



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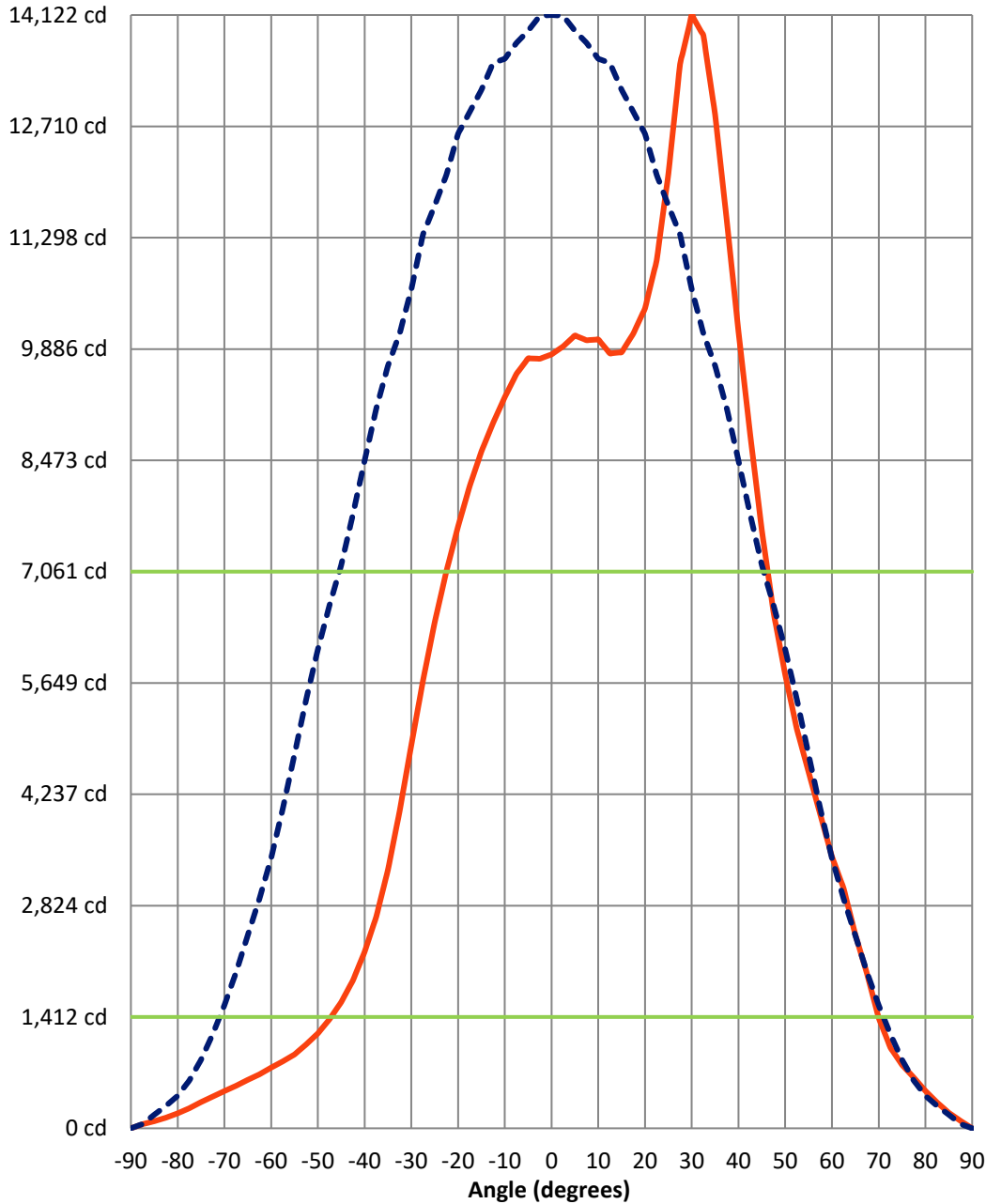
Luminous Intensity Polar Plot



— 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: 13708.3
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 22091.5
 Efficiency: 93.7%

Spill:
 Lumens: 1482.1
 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°	94.9	97.4	99.9	99.9	97.4	97.4	97.4	94.9	97.4	97.4	97.4
85°	197.3	202.3	207.3	204.8	202.3	197.3	192.3	194.8	197.3	199.8	199.8
82.5°	327.1	334.6	339.6	337.1	332.1	327.1	322.2	324.6	329.6	332.1	332.1
80°	474.5	477.0	479.5	484.5	477.0	477.0	474.5	484.5	489.5	494.5	499.5
77.5°	644.3	646.8	646.8	649.3	651.8	654.3	654.3	671.8	684.3	691.8	699.2
75°	804.1	811.6	819.1	826.6	836.6	841.6	849.1	874.1	894.0	909.0	924.0
72.5°	1023.9	1033.9	1046.4	1063.9	1081.3	1093.8	1111.3	1141.3	1163.7	1178.7	1196.2
70°	1401.0	1411.0	1423.5	1435.9	1453.4	1465.9	1483.4	1520.9	1543.3	1553.3	1563.3
67.5°	1960.4	1985.4	2007.8	1982.9	1970.4	1952.9	1957.9	1992.8	2015.3	2030.3	2027.8
65°	2457.3	2474.8	2474.8	2472.3	2462.3	2439.9	2452.4	2494.8	2519.8	2532.3	2494.8
62.5°	3041.7	3041.7	3029.2	3049.2	3051.7	3036.7	3029.2	3031.7	3034.2	3041.7	2979.3
60°	3446.3	3471.2	3478.7	3496.2	3501.2	3501.2	3513.7	3523.7	3523.7	3508.7	3436.3
57.5°	3980.7	4028.1	4038.1	4025.7	4000.7	3968.2	3963.2	3948.2	3918.3	3888.3	3853.3
55°	4520.1	4545.1	4542.6	4535.1	4510.1	4472.7	4477.7	4457.7	4410.2	4372.8	4325.3
52.5°	5062.0	5122.0	5132.0	5117.0	5082.0	5042.1	5044.6	5022.1	4974.6	4934.7	4869.7
50°	5753.8	5803.7	5798.7	5773.8	5723.8	5693.8	5696.3	5653.9	5599.0	5586.5	5501.6
47.5°	6545.4	6602.9	6592.9	6557.9	6490.5	6478.0	6490.5	6435.5	6403.1	6375.6	6275.7
45°	7584.3	7651.7	7614.3	7546.8	7439.5	7451.9	7469.4	7459.4	7389.5	7317.1	7189.7
42.5°	8803.0	8845.4	8800.5	8733.1	8598.2	8623.2	8613.2	8553.3	8510.8	8390.9	8228.6
40°	10106.6	10199.0	10129.1	10024.2	9884.3	9921.8	9894.3	9816.9	9717.0	9567.2	9362.4
37.5°	11512.6	11585.0	11505.1	11382.7	11257.8	11245.4	11190.4	11070.5	10928.2	10763.4	10436.2
35°	12858.6	13045.9	12898.6	12703.8	12551.4	12494.0	12441.6	12164.4	12002.0	11734.8	11287.8
32.5°	13860.0	13997.4	13815.1	13612.8	13428.0	13348.1	13163.3	12833.6	12746.2	12184.3	11774.8
30°	14122.2	14112.3	13922.5	13767.6	13567.8	13512.9	13173.3	12893.6	12613.9	12094.4	11704.9
27.5°	13497.9	13435.5	13253.2	13118.3	12921.0	12856.1	12521.5	12371.6	11939.6	11500.1	11170.4
25°	12106.9	12139.4	12002.0	11934.6	11804.7	11664.9	11532.5	11330.3	11060.6	10676.0	10373.8
22.5°	11010.6	11053.1	10995.6	10915.7	10815.8	10738.4	10638.5	10481.2	10221.5	9984.2	9699.5
20°	10401.3	10388.8	10338.8	10278.9	10184.0	10129.1	10019.2	9886.8	9687.0	9482.3	9175.1
17.5°	10081.6	10004.2	9956.7	9934.3	9884.3	9814.4	9684.5	9549.7	9394.9	9162.6	8937.8
15°	9844.4	9856.9	9819.4	9801.9	9762.0	9664.6	9532.2	9422.3	9212.5	9095.2	8890.4
12.5°	9829.4	9816.9	9819.4	9811.9	9762.0	9637.1	9569.7	9429.8	9295.0	9140.1	8905.4
10°	10006.7	9874.3	9884.3	9919.3	9839.4	9739.5	9667.1	9514.7	9387.4	9190.1	8957.8
7.5°	9996.7	9929.3	9949.3	9891.8	9916.8	9794.4	9694.5	9542.2	9382.4	9172.6	8962.8
5°	10056.6	9954.2	9936.8	9941.8	9879.3	9786.9	9652.1	9507.2	9357.4	9122.6	8907.9
2.5°	9919.3	9934.3	9854.4	9824.4	9816.9	9662.1	9537.2	9397.3	9242.5	9035.2	8842.9
0°	9816.9	9844.4	9762.0	9719.5	9717.0	9584.6	9504.7	9344.9	9235.0	9062.7	8830.5
-2.5°	9762.0	9794.4	9804.4	9727.0	9652.1	9549.7	9414.8	9242.5	9062.7	8862.9	8663.1
-5°	9766.9	9702.0	9674.5	9699.5	9634.6	9532.2	9382.4	9230.0	9052.7	8838.0	8588.2
-7.5°	9569.7	9504.7	9499.7	9487.3	9472.3	9374.9	9250.0	9085.2	8905.4	8705.6	8473.3
-10°	9275.0	9227.5	9215.0	9202.6	9162.6	9105.2	8987.8	8838.0	8675.6	8475.8	8228.6
-12.5°	8947.8	8925.4	8877.9	8845.4	8805.5	8738.1	8625.7	8488.3	8326.0	8148.7	7936.4
-15°	8585.7	8543.3	8495.8	8468.4	8410.9	8331.0	8218.6	8091.3	7914.0	7739.1	7539.4
-17.5°	8148.7	8096.3	8043.8	8036.3	7996.4	7874.0	7769.1	7614.3	7459.4	7292.1	7097.3
-20°	7634.3	7561.8	7526.9	7506.9	7451.9	7362.0	7249.7	7107.3	6957.5	6797.7	6572.9



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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°	7064.9	7002.4	6942.5	6905.0	6857.6	6787.7	6680.3	6555.4	6408.1	6228.3	6021.0
-25°	6418.1	6330.7	6293.2	6250.7	6225.8	6160.8	6056.0	5941.1	5788.7	5613.9	5416.6
-27.5°	5678.9	5608.9	5589.0	5529.0	5499.1	5431.6	5344.2	5236.8	5097.0	4932.2	4769.8
-30°	4862.2	4819.8	4787.3	4727.4	4704.9	4632.5	4575.1	4485.2	4357.8	4240.4	4110.6
-32.5°	4023.2	3980.7	3970.7	3943.2	3928.3	3880.8	3815.9	3750.9	3648.6	3561.2	3456.3
-35°	3279.0	3249.0	3251.5	3249.0	3234.0	3199.0	3119.1	3101.6	3026.7	2946.8	2879.4
-37.5°	2684.6	2687.1	2684.6	2682.1	2662.1	2647.1	2589.7	2567.2	2522.3	2444.9	2404.9
-40°	2237.6	2242.6	2240.1	2235.1	2212.6	2205.1	2167.7	2137.7	2120.2	2065.3	2022.8
-42.5°	1875.5	1883.0	1880.5	1878.0	1863.0	1860.5	1840.5	1805.5	1795.6	1763.1	1718.1
-45°	1600.8	1598.3	1593.3	1598.3	1590.8	1583.3	1570.8	1548.3	1535.8	1520.9	1483.4
-47.5°	1383.5	1386.0	1381.0	1381.0	1371.0	1363.5	1358.5	1343.5	1333.6	1321.1	1298.6
-50°	1203.7	1213.7	1211.2	1208.7	1201.2	1196.2	1196.2	1181.2	1166.2	1161.2	1146.3
-52.5°	1063.9	1071.3	1073.8	1078.8	1081.3	1083.8	1076.3	1061.4	1036.4	1033.9	1026.4
-55°	936.5	959.0	973.9	983.9	993.9	1001.4	986.4	966.5	941.5	931.5	929.0
-57.5°	849.1	871.6	889.0	904.0	916.5	929.0	914.0	894.0	871.6	859.1	856.6
-60°	769.2	789.1	806.6	826.6	844.1	864.1	856.6	841.6	829.1	819.1	809.1
-62.5°	684.3	704.2	724.2	749.2	771.7	791.6	794.1	791.6	789.1	791.6	774.2
-65°	614.3	624.3	636.8	664.3	689.3	711.7	724.2	731.7	744.2	756.7	739.2
-67.5°	539.4	551.9	566.9	586.9	606.8	621.8	639.3	659.3	679.3	699.2	686.8
-70°	472.0	482.0	494.5	504.5	516.9	526.9	541.9	564.4	586.9	606.8	601.8
-72.5°	402.1	412.1	419.5	424.5	432.0	437.0	444.5	464.5	479.5	489.5	489.5
-75°	332.1	342.1	349.6	352.1	357.1	359.6	364.6	372.1	379.6	382.1	384.6
-77.5°	254.7	264.7	272.2	277.2	282.2	287.2	289.7	294.7	297.2	297.2	299.7
-80°	189.8	197.3	202.3	209.8	212.3	217.3	222.3	224.8	227.3	227.3	229.8
-82.5°	134.9	139.8	144.8	149.8	154.8	157.3	162.3	164.8	167.3	169.8	172.3
-85°	89.9	94.9	99.9	104.9	107.4	109.9	112.4	114.9	117.4	119.9	122.4
-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°	97.4	97.4	97.4	97.4	94.9	89.9	87.4	82.4	77.4	72.4	67.4
85°	202.3	204.8	204.8	204.8	199.8	197.3	189.8	182.3	172.3	157.3	144.8
82.5°	337.1	339.6	339.6	337.1	332.1	324.6	314.7	302.2	282.2	262.2	244.7
80°	507.0	509.4	509.4	507.0	494.5	482.0	469.5	454.5	429.5	402.1	372.1
77.5°	709.2	714.2	714.2	706.7	689.3	674.3	654.3	629.3	591.9	551.9	511.9
75°	944.0	956.5	959.0	951.5	929.0	901.5	869.1	826.6	769.2	719.2	671.8
72.5°	1216.2	1228.7	1238.7	1228.7	1196.2	1158.7	1111.3	1061.4	1003.9	936.5	856.6
70°	1573.3	1585.8	1593.3	1560.8	1503.4	1440.9	1383.5	1326.1	1258.6	1176.2	1088.8
67.5°	2022.8	2010.3	1995.3	1930.4	1858.0	1783.1	1703.2	1618.3	1530.8	1443.4	1341.1
65°	2454.8	2419.9	2387.4	2310.0	2217.6	2120.2	2027.8	1932.9	1828.0	1718.1	1620.7
62.5°	2909.4	2834.4	2754.5	2659.6	2564.7	2457.3	2364.9	2252.6	2135.2	2000.3	1875.5
60°	3356.4	3266.5	3186.6	3069.2	2944.3	2799.5	2699.6	2589.7	2452.4	2307.5	2160.2
57.5°	3788.4	3691.0	3603.6	3501.2	3366.4	3209.0	3099.2	2956.8	2812.0	2629.7	2479.8
55°	4247.9	4150.5	4080.6	3965.7	3818.4	3673.5	3553.7	3403.8	3201.5	3006.8	2822.0
52.5°	4774.8	4697.4	4622.5	4505.1	4327.8	4180.5	4048.1	3880.8	3668.5	3428.8	3206.5
50°	5364.2	5324.2	5244.3	5107.0	4904.7	4774.8	4600.0	4377.8	4150.5	3898.3	3621.1
47.5°	6145.9	6080.9	5968.6	5818.7	5648.9	5454.1	5219.4	4959.6	4637.5	4357.8	4063.1
45°	7079.9	6960.0	6815.1	6612.9	6403.1	6183.3	5926.1	5596.5	5164.4	4799.8	4490.1
42.5°	8091.3	7928.9	7731.6	7466.9	7194.7	6925.0	6647.8	6198.3	5658.9	5239.3	4889.7
40°	9147.6	8940.3	8693.1	8308.5	8006.4	7659.2	7342.1	6670.3	6095.9	5641.4	5269.3
37.5°	10181.5	9919.3	9504.7	9037.7	8685.6	8400.9	7704.2	6985.0	6470.5	5971.0	5594.0
35°	10973.1	10750.9	10019.2	9534.7	9232.5	8783.0	7911.5	7174.7	6630.3	6215.8	5628.9
32.5°	11442.6	10868.3	10226.5	9737.0	9487.3	8750.5	7926.4	7229.7	6705.3	6240.8	5539.0
30°	11337.8	10643.5	10081.6	9672.1	9130.1	8468.4	7786.6	7144.8	6635.3	6073.4	5439.1
27.5°	10705.9	10169.0	9667.1	9240.0	8708.1	8113.7	7484.4	6920.0	6445.5	5901.1	5301.8
25°	9991.7	9504.7	9132.6	8760.5	8256.1	7689.2	7134.8	6727.7	6250.7	5713.8	5122.0
22.5°	9334.9	8985.3	8693.1	8303.5	7811.6	7317.1	6972.5	6550.4	6061.0	5516.5	4937.2
20°	8915.4	8678.1	8343.5	7914.0	7526.9	7217.2	6835.1	6388.1	5883.6	5314.3	4779.8
17.5°	8713.1	8438.4	8066.3	7786.6	7489.4	7149.8	6722.7	6248.2	5711.3	5221.9	4797.3
15°	8608.2	8318.5	8073.8	7799.1	7464.4	7107.3	6632.8	6140.9	5711.3	5259.3	4809.8
12.5°	8630.7	8380.9	8113.7	7814.1	7454.4	7072.4	6642.8	6185.8	5741.3	5286.8	4812.3
10°	8700.6	8438.4	8153.7	7821.6	7459.4	7082.3	6670.3	6213.3	5756.3	5299.3	4807.3
7.5°	8725.6	8440.9	8136.2	7801.6	7447.0	7077.4	6675.3	6220.8	5758.8	5296.8	4792.3
5°	8648.2	8390.9	8096.3	7759.1	7412.0	7052.4	6655.3	6210.8	5738.8	5271.8	4754.9
2.5°	8543.3	8336.0	8053.8	7729.2	7377.0	7017.4	6622.8	6165.8	5693.8	5226.9	4707.4
0°	8525.8	8268.6	7983.9	7694.2	7319.6	6940.0	6547.9	6080.9	5611.4	5141.9	4625.0
-2.5°	8410.9	8138.7	7854.0	7539.4	7209.7	6827.6	6415.6	5958.6	5494.1	5032.1	4535.1
-5°	8323.5	8021.3	7719.2	7379.5	7047.4	6665.3	6238.3	5793.7	5339.2	4889.7	4410.2
-7.5°	8206.1	7896.5	7579.3	7224.7	6865.1	6475.5	6053.5	5608.9	5161.9	4714.9	4255.4
-10°	7968.9	7696.7	7399.5	7032.4	6652.8	6263.2	5843.7	5406.7	4959.6	4507.6	4045.6
-12.5°	7681.7	7394.5	7069.9	6732.7	6393.1	6031.0	5611.4	5181.9	4732.4	4277.9	3818.4
-15°	7309.6	7027.4	6695.3	6365.6	6038.5	5691.4	5321.8	4934.7	4477.7	4030.6	3571.1
-17.5°	6845.1	6580.4	6283.2	5968.6	5643.9	5294.3	4934.7	4607.5	4180.5	3760.9	3306.4
-20°	6345.6	6098.4	5831.2	5534.0	5209.4	4867.2	4527.6	4185.5	3815.9	3446.3	3024.2



REPORT NUMBER: P721979
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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°	5826.2	5576.5	5306.8	5029.6	4729.9	4412.7	4098.1	3770.9	3446.3	3111.6	2754.5
-25°	5226.9	5007.1	4759.9	4490.1	4222.9	3945.7	3646.1	3348.9	3071.7	2782.0	2489.8
-27.5°	4600.0	4397.7	4173.0	3938.2	3708.5	3476.2	3216.5	2941.8	2712.1	2472.3	2230.1
-30°	3940.7	3778.4	3596.1	3391.3	3214.0	3026.7	2809.5	2582.2	2372.4	2190.1	1995.3
-32.5°	3316.4	3179.1	3049.2	2914.4	2739.5	2594.7	2444.9	2277.5	2092.7	1920.4	1780.6
-35°	2779.5	2632.2	2577.2	2477.3	2352.5	2225.1	2115.2	1995.3	1855.5	1703.2	1588.3
-37.5°	2327.5	2240.1	2162.7	2107.7	2025.3	1922.9	1835.5	1748.1	1640.7	1525.9	1411.0
-40°	1975.4	1915.4	1830.5	1803.1	1750.6	1680.7	1590.8	1523.4	1450.9	1363.5	1266.1
-42.5°	1693.2	1648.2	1593.3	1545.8	1523.4	1473.4	1403.5	1338.6	1281.1	1221.2	1146.3
-45°	1460.9	1431.0	1396.0	1353.5	1336.1	1296.1	1246.2	1173.7	1141.3	1091.3	1036.4
-47.5°	1273.6	1258.6	1233.7	1206.2	1181.2	1151.3	1106.3	1061.4	1016.4	983.9	941.5
-50°	1126.3	1116.3	1101.3	1078.8	1046.4	1026.4	996.4	956.5	914.0	886.5	856.6
-52.5°	1008.9	998.9	988.9	971.5	946.5	926.5	901.5	869.1	834.1	806.6	781.7
-55°	919.0	904.0	896.5	881.5	861.6	839.1	816.6	794.1	764.2	739.2	714.2
-57.5°	849.1	829.1	819.1	806.6	786.7	764.2	746.7	724.2	704.2	676.8	654.3
-60°	794.1	771.7	751.7	739.2	721.7	699.2	681.8	664.3	644.3	621.8	594.4
-62.5°	749.2	721.7	694.2	679.3	661.8	641.8	624.3	606.8	586.9	564.4	539.4
-65°	706.7	674.3	639.3	624.3	606.8	586.9	564.4	551.9	534.4	514.4	489.5
-67.5°	654.3	619.3	589.4	571.9	554.4	536.9	516.9	504.5	487.0	462.0	437.0
-70°	576.9	554.4	534.4	519.4	504.5	489.5	469.5	449.5	429.5	407.1	384.6
-72.5°	479.5	472.0	469.5	462.0	444.5	427.0	407.1	387.1	369.6	352.1	334.6
-75°	387.1	392.1	397.1	394.6	377.1	359.6	342.1	324.6	312.2	297.2	282.2
-77.5°	307.2	312.2	317.2	317.2	304.7	294.7	282.2	269.7	259.7	247.2	232.2
-80°	237.2	244.7	252.2	257.2	247.2	239.7	229.8	219.8	209.8	199.8	189.8
-82.5°	179.8	187.3	194.8	199.8	192.3	187.3	179.8	172.3	164.8	154.8	147.3
-85°	129.9	134.9	139.8	142.3	137.4	132.4	127.4	122.4	117.4	109.9	104.9
-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	45.0	37.5	32.5	27.5	22.5	17.5	15.0
85°	132.4	119.9	104.9	97.4	87.4	77.4	67.4	57.4	47.4	37.5	27.5
82.5°	227.3	212.3	197.3	179.8	157.3	129.9	102.4	84.9	69.9	54.9	42.5
80°	342.1	314.7	289.7	267.2	242.2	207.3	169.8	134.9	94.9	72.4	54.9
77.5°	474.5	442.0	407.1	369.6	329.6	282.2	239.7	194.8	147.3	99.9	69.9
75°	624.3	581.9	534.4	482.0	429.5	367.1	307.2	254.7	199.8	139.8	84.9
72.5°	791.6	739.2	681.8	611.8	529.4	457.0	384.6	314.7	249.7	177.3	114.9
70°	1006.4	924.0	839.1	764.2	659.3	544.4	459.5	379.6	297.2	217.3	144.8
67.5°	1236.2	1136.3	1033.9	924.0	791.6	656.8	534.4	444.5	347.1	254.7	172.3
65°	1485.9	1361.0	1231.2	1108.8	926.5	766.7	629.3	507.0	394.6	289.7	199.8
62.5°	1743.1	1595.8	1445.9	1286.1	1076.3	879.1	719.2	576.9	439.5	322.2	224.8
60°	2017.8	1845.5	1663.2	1463.4	1218.7	1001.4	804.1	649.3	487.0	354.6	252.2
57.5°	2307.5	2120.2	1905.4	1635.7	1366.0	1118.8	901.5	714.2	529.4	384.6	272.2
55°	2622.2	2407.4	2172.7	1815.5	1510.9	1236.2	998.9	779.2	574.4	409.6	292.2
52.5°	2961.8	2712.1	2414.9	2005.3	1663.2	1356.0	1088.8	836.6	616.8	437.0	309.7
50°	3341.4	3026.7	2627.2	2180.1	1795.6	1468.4	1178.7	899.0	651.8	467.0	324.6
47.5°	3736.0	3396.3	2817.0	2342.5	1930.4	1578.3	1271.1	954.0	686.8	492.0	339.6
45°	4148.0	3653.6	3014.2	2487.3	2047.8	1678.2	1341.1	1003.9	729.2	514.4	352.1
42.5°	4555.1	3848.3	3186.6	2632.2	2157.7	1768.1	1398.5	1051.4	764.2	536.9	364.6
40°	4747.4	3995.7	3323.9	2732.0	2250.1	1848.0	1448.4	1093.8	794.1	551.9	377.1
37.5°	4827.3	4085.6	3413.8	2826.9	2322.5	1890.5	1490.9	1131.3	819.1	566.9	387.1
35°	4844.8	4118.1	3458.8	2891.9	2382.4	1930.4	1523.4	1158.7	839.1	581.9	397.1
32.5°	4812.3	4108.1	3471.2	2914.4	2419.9	1960.4	1545.8	1178.7	854.1	596.9	407.1
30°	4739.9	4055.6	3426.3	2911.9	2447.4	1977.9	1560.8	1193.7	869.1	606.8	412.1
27.5°	4622.5	3963.2	3368.9	2914.4	2462.3	1985.4	1568.3	1201.2	879.1	614.3	422.0
25°	4477.7	3838.4	3371.4	2909.4	2464.8	1987.9	1568.3	1201.2	881.5	616.8	429.5
22.5°	4310.3	3838.4	3371.4	2901.9	2449.9	1982.9	1560.8	1196.2	881.5	621.8	437.0
20°	4320.3	3840.9	3363.9	2886.9	2427.4	1967.9	1543.3	1183.7	874.1	629.3	442.0
17.5°	4327.8	3835.9	3348.9	2866.9	2397.4	1942.9	1520.9	1166.2	874.1	636.8	444.5
15°	4327.8	3820.9	3326.4	2836.9	2360.0	1907.9	1488.4	1151.3	876.6	639.3	449.5
12.5°	4320.3	3793.4	3291.4	2797.0	2315.0	1865.5	1468.4	1146.3	876.6	641.8	449.5
10°	4305.3	3755.9	3246.5	2747.0	2272.5	1850.5	1458.4	1136.3	871.6	641.8	449.5
7.5°	4277.9	3711.0	3209.0	2717.1	2247.6	1833.0	1443.4	1121.3	864.1	636.8	454.5
5°	4235.4	3686.0	3179.1	2682.1	2212.6	1820.5	1433.5	1108.8	859.1	636.8	449.5
2.5°	4180.5	3656.1	3144.1	2637.2	2172.7	1778.1	1401.0	1081.3	841.6	626.8	444.5
0°	4090.6	3596.1	3084.2	2574.7	2117.7	1735.6	1368.5	1053.9	824.1	616.8	439.5
-2.5°	4008.2	3516.2	3006.8	2509.8	2065.3	1698.2	1343.5	1038.9	816.6	614.3	437.0
-5°	3893.3	3406.3	2904.4	2424.9	1995.3	1660.7	1318.6	1021.4	809.1	609.3	437.0
-7.5°	3765.9	3291.4	2797.0	2337.5	1925.4	1595.8	1271.1	993.9	791.6	599.4	434.5
-10°	3568.6	3119.1	2662.1	2237.6	1850.5	1538.3	1231.2	969.0	776.7	589.4	424.5
-12.5°	3358.9	2929.3	2507.3	2115.2	1765.6	1478.4	1186.2	941.5	759.2	579.4	419.5
-15°	3136.6	2734.5	2345.0	1987.9	1673.2	1406.0	1138.8	911.5	741.7	566.9	412.1
-17.5°	2904.4	2529.8	2177.6	1858.0	1580.8	1331.1	1088.8	884.0	721.7	554.4	404.6
-20°	2659.6	2320.0	2007.8	1725.6	1483.4	1256.1	1036.4	851.6	699.2	539.4	394.6



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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°	2417.4	2112.7	1833.0	1595.8	1383.5	1178.7	983.9	819.1	674.3	521.9	387.1
-25°	2202.6	1917.9	1678.2	1470.9	1286.1	1103.8	929.0	786.7	646.8	504.5	377.1
-27.5°	1992.8	1750.6	1525.9	1353.5	1191.2	1031.4	876.6	751.7	619.3	484.5	367.1
-30°	1798.1	1590.8	1406.0	1238.7	1101.3	966.5	831.6	716.7	589.4	464.5	354.6
-32.5°	1620.7	1453.4	1298.6	1138.8	1016.4	901.5	789.1	681.8	559.4	444.5	342.1
-35°	1455.9	1326.1	1191.2	1056.4	931.5	841.6	744.2	644.3	531.9	422.0	329.6
-37.5°	1308.6	1203.7	1096.3	981.4	874.1	784.2	701.7	606.8	504.5	402.1	317.2
-40°	1181.2	1096.3	1001.4	909.0	819.1	734.2	659.3	569.4	477.0	387.1	304.7
-42.5°	1063.9	998.9	921.5	844.1	764.2	689.3	616.8	529.4	449.5	369.6	292.2
-45°	973.9	909.0	846.6	776.7	709.2	644.3	571.9	494.5	424.5	349.6	279.7
-47.5°	889.0	831.6	774.2	716.7	661.8	601.8	529.4	464.5	397.1	332.1	269.7
-50°	814.1	759.2	709.2	659.3	611.8	554.4	487.0	434.5	374.6	314.7	257.2
-52.5°	744.2	696.7	646.8	606.8	566.9	509.4	454.5	404.6	352.1	294.7	244.7
-55°	681.8	636.8	591.9	554.4	516.9	467.0	422.0	379.6	329.6	279.7	232.2
-57.5°	621.8	584.4	541.9	507.0	469.5	429.5	392.1	352.1	307.2	264.7	219.8
-60°	566.9	531.9	494.5	459.5	427.0	394.6	359.6	327.1	287.2	247.2	207.3
-62.5°	511.9	482.0	449.5	414.6	389.6	359.6	332.1	299.7	267.2	232.2	184.8
-65°	462.0	434.5	404.6	374.6	352.1	329.6	304.7	274.7	247.2	214.8	164.8
-67.5°	412.1	387.1	362.1	337.1	317.2	299.7	274.7	252.2	229.8	194.8	144.8
-70°	364.6	344.6	322.2	302.2	287.2	267.2	249.7	229.8	209.8	169.8	122.4
-72.5°	319.7	299.7	282.2	267.2	254.7	237.2	222.3	207.3	179.8	142.3	102.4
-75°	267.2	254.7	244.7	232.2	219.8	207.3	194.8	177.3	149.8	114.9	79.9
-77.5°	219.8	212.3	204.8	194.8	184.8	174.8	159.8	142.3	119.9	89.9	64.9
-80°	179.8	172.3	167.3	157.3	149.8	139.8	124.9	109.9	87.4	69.9	52.4
-82.5°	137.4	132.4	127.4	122.4	114.9	104.9	89.9	77.4	64.9	52.4	40.0
-85°	97.4	94.9	89.9	84.9	77.4	69.9	59.9	52.4	45.0	35.0	27.5
-87.5°	49.9	47.4	45.0	42.5	40.0	35.0	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°	40.0	25.0	12.5	0.0
77.5°	49.9	30.0	15.0	0.0
75°	59.9	37.5	17.5	0.0
72.5°	67.4	42.5	20.0	0.0
70°	79.9	49.9	22.5	0.0
67.5°	99.9	54.9	25.0	0.0
65°	117.4	59.9	27.5	0.0
62.5°	137.4	64.9	30.0	0.0
60°	154.8	69.9	32.5	0.0
57.5°	172.3	82.4	35.0	0.0
55°	187.3	92.4	37.5	0.0
52.5°	204.8	102.4	40.0	0.0
50°	219.8	112.4	42.5	0.0
47.5°	232.2	122.4	42.5	0.0
45°	242.2	129.9	45.0	0.0
42.5°	249.7	137.4	47.4	0.0
40°	257.2	144.8	49.9	0.0
37.5°	264.7	152.3	49.9	0.0
35°	272.2	159.8	52.4	0.0
32.5°	279.7	167.3	52.4	0.0
30°	284.7	172.3	54.9	0.0
27.5°	292.2	177.3	54.9	0.0
25°	294.7	182.3	57.4	0.0
22.5°	299.7	184.8	57.4	0.0
20°	304.7	189.8	57.4	0.0
17.5°	307.2	192.3	59.9	0.0
15°	307.2	194.8	62.4	0.0
12.5°	309.7	197.3	62.4	0.0
10°	309.7	202.3	59.9	0.0
7.5°	314.7	199.8	59.9	0.0
5°	312.2	199.8	59.9	0.0
2.5°	309.7	197.3	59.9	0.0
0°	307.2	197.3	59.9	0.0
-2.5°	307.2	197.3	59.9	0.0
-5°	307.2	197.3	59.9	0.0
-7.5°	304.7	199.8	59.9	0.0
-10°	299.7	199.8	59.9	0.0
-12.5°	297.2	192.3	59.9	0.0
-15°	294.7	189.8	59.9	0.0
-17.5°	289.7	187.3	57.4	0.0
-20°	284.7	184.8	57.4	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	279.7	179.8	57.4	0.0
-25°	274.7	174.8	54.9	0.0
-27.5°	269.7	169.8	54.9	0.0
-30°	262.2	164.8	52.4	0.0
-32.5°	254.7	159.8	52.4	0.0
-35°	249.7	152.3	49.9	0.0
-37.5°	242.2	144.8	49.9	0.0
-40°	234.7	137.4	47.4	0.0
-42.5°	227.3	129.9	45.0	0.0
-45°	217.3	122.4	45.0	0.0
-47.5°	209.8	114.9	42.5	0.0
-50°	197.3	104.9	40.0	0.0
-52.5°	182.3	94.9	37.5	0.0
-55°	167.3	87.4	35.0	0.0
-57.5°	152.3	77.4	35.0	0.0
-60°	137.4	67.4	32.5	0.0
-62.5°	122.4	62.4	30.0	0.0
-65°	107.4	57.4	27.5	0.0
-67.5°	89.9	49.9	25.0	0.0
-70°	74.9	45.0	22.5	0.0
-72.5°	64.9	40.0	20.0	0.0
-75°	54.9	35.0	17.5	0.0
-77.5°	47.4	30.0	15.0	0.0
-80°	37.5	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)