

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: P722090

Luminaire Tested: **IFLD-M-SA4A-740-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722090
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-740-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

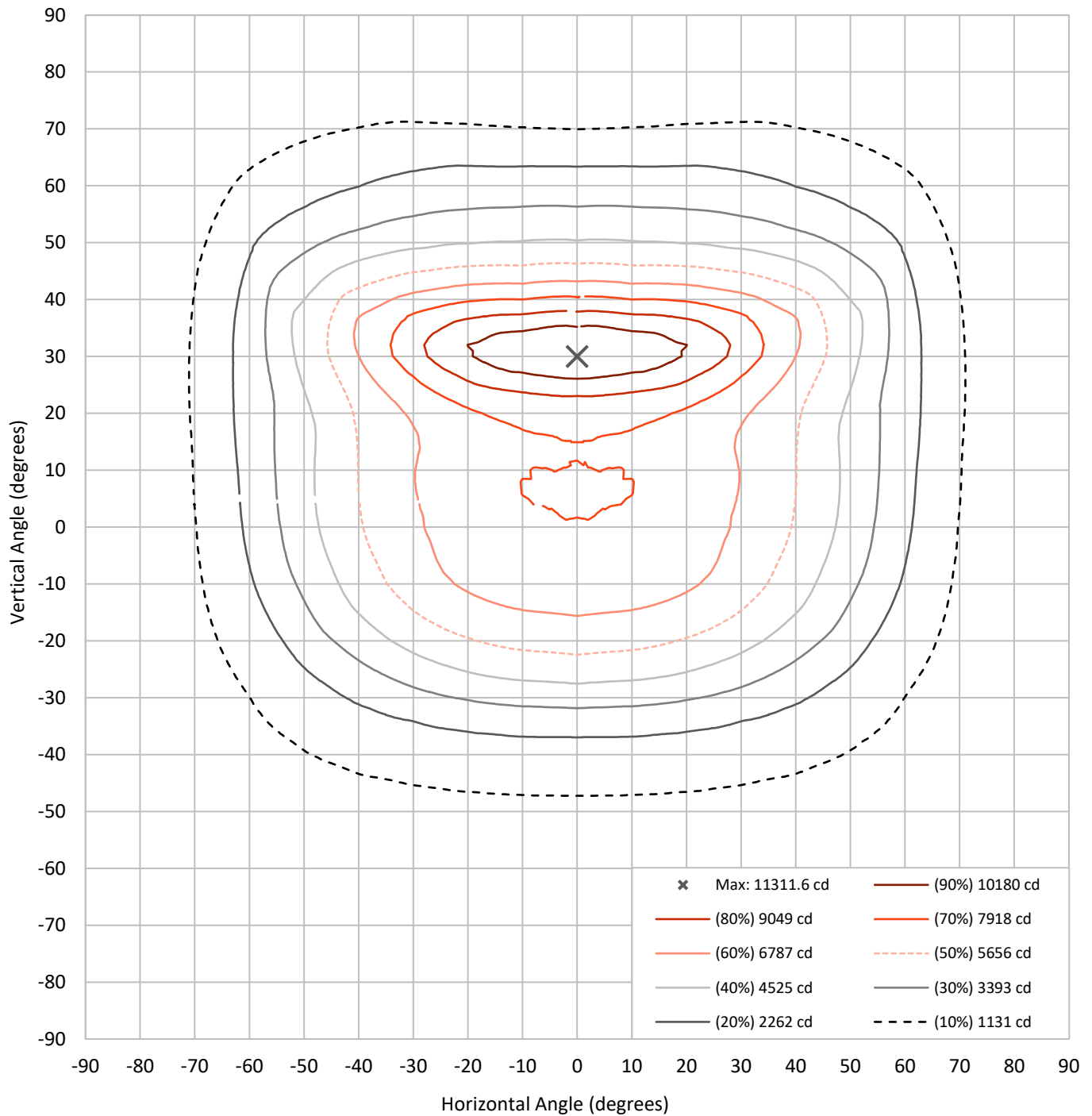
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	18882 lumens	Max Intensity:	11311.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	146.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	10980.1 lumens	Field Lumens:	17694.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 128.6
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



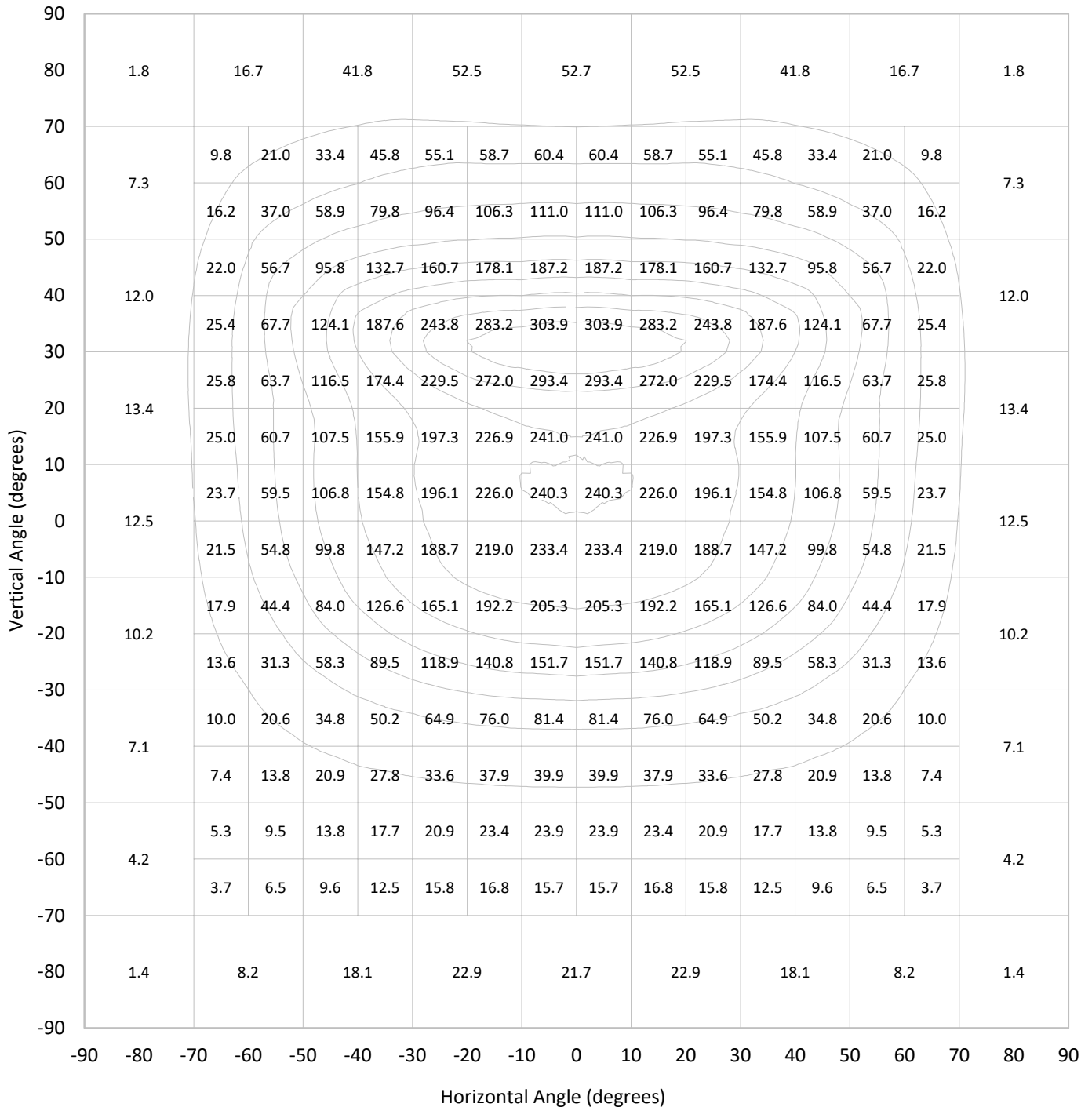
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Iso-Candela Plot



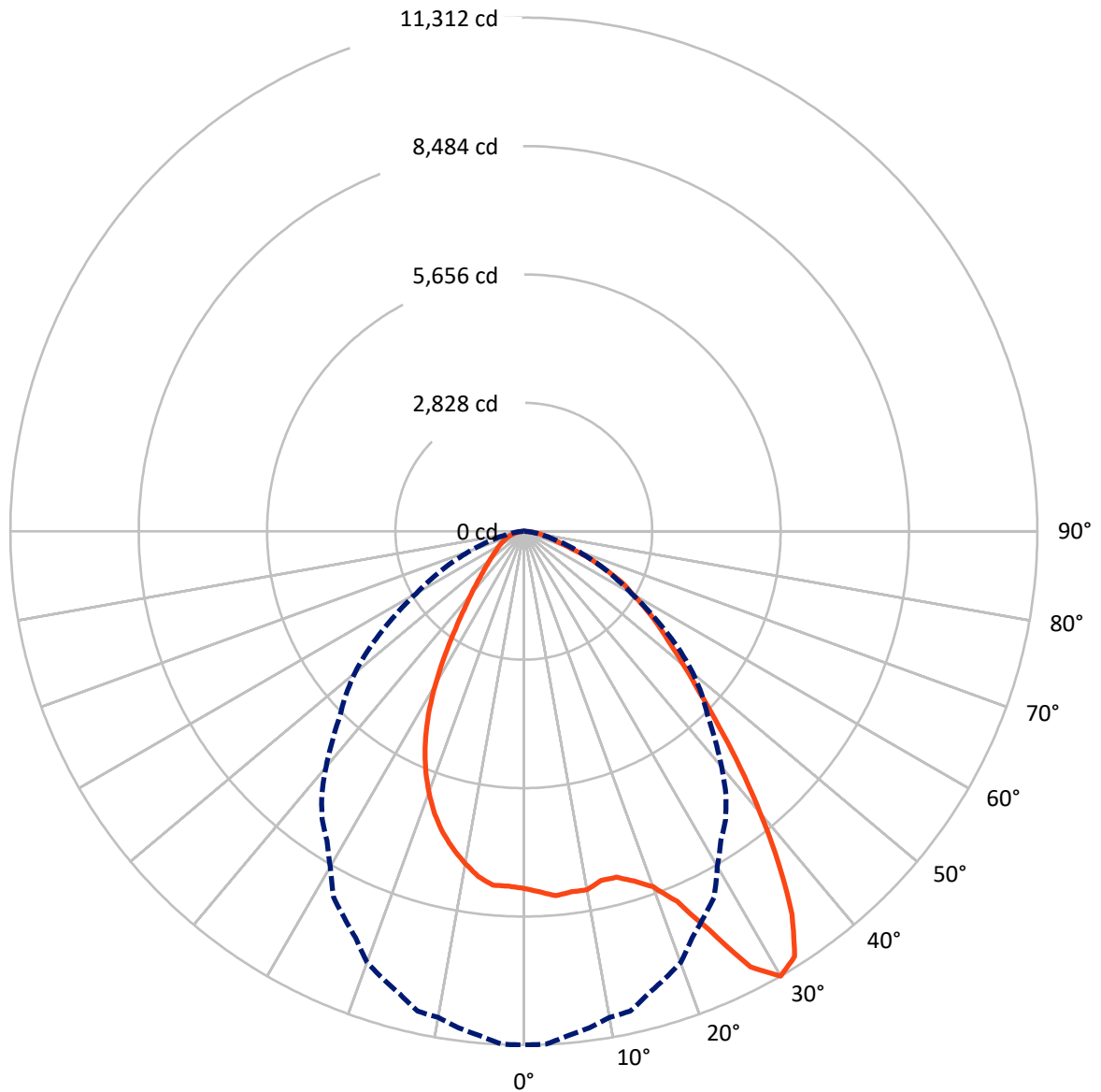
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Lumen Table



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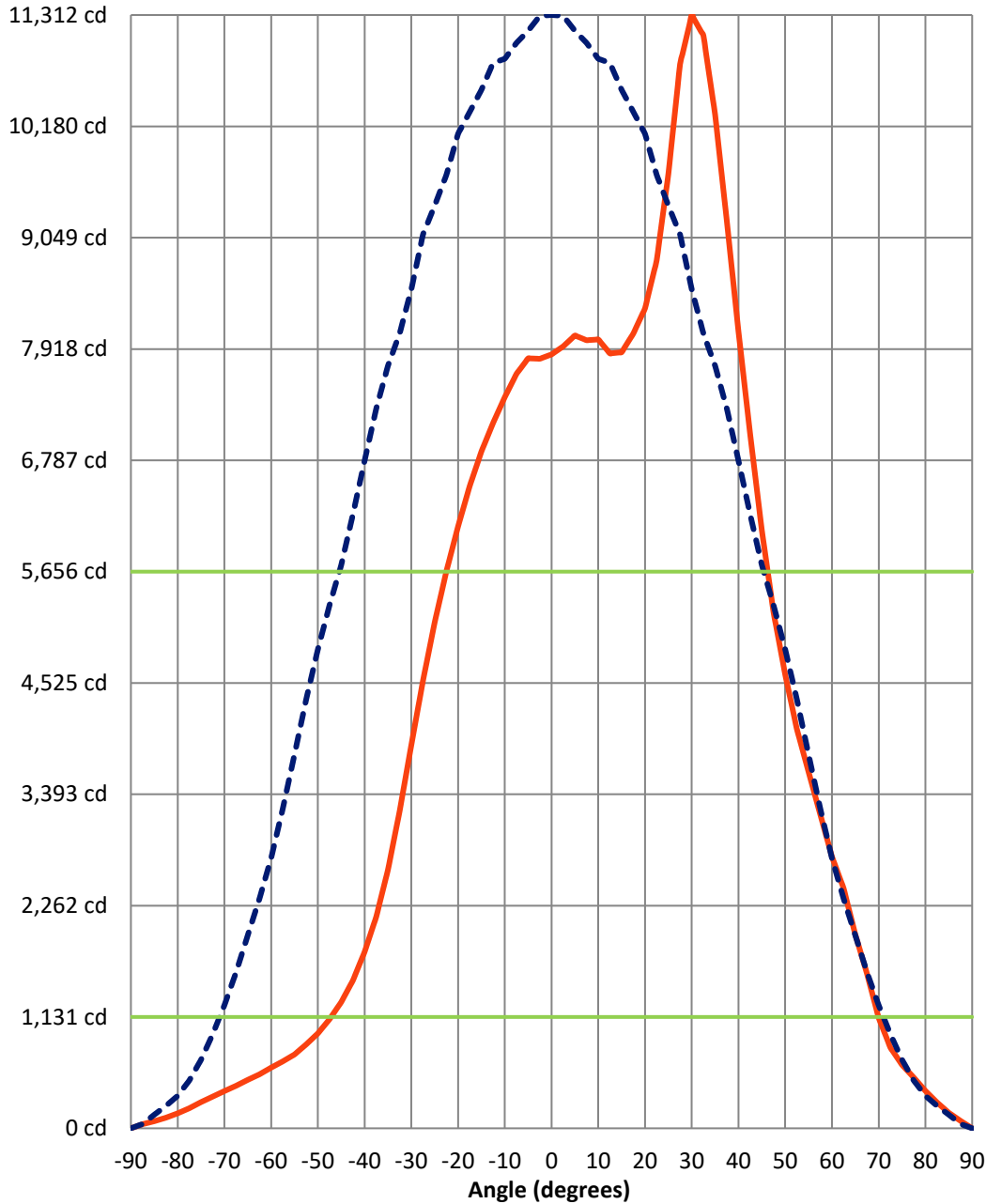
Luminous Intensity Polar Plot



— 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: 10980.1
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 17694.8
 Efficiency: 93.7%

Spill:
 Lumens: 1187.1
 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°	76.0	78.0	80.0	80.0	78.0	78.0	78.0	76.0	78.0	78.0	78.0
85°	158.0	162.0	166.0	164.0	162.0	158.0	154.0	156.0	158.0	160.0	160.0
82.5°	262.0	268.0	272.0	270.0	266.0	262.0	258.0	260.0	264.0	266.0	266.0
80°	380.1	382.1	384.1	388.1	382.1	382.1	380.1	388.1	392.1	396.1	400.1
77.5°	516.1	518.1	518.1	520.1	522.1	524.1	524.1	538.1	548.1	554.1	560.1
75°	644.1	650.1	656.1	662.1	670.1	674.1	680.1	700.1	716.1	728.1	740.1
72.5°	820.1	828.1	838.1	852.1	866.1	876.1	890.1	914.1	932.1	944.1	958.1
70°	1122.2	1130.2	1140.2	1150.2	1164.2	1174.2	1188.2	1218.2	1236.2	1244.2	1252.2
67.5°	1570.2	1590.2	1608.2	1588.2	1578.2	1564.2	1568.2	1596.2	1614.2	1626.2	1624.2
65°	1968.3	1982.3	1982.3	1980.3	1972.3	1954.3	1964.3	1998.3	2018.3	2028.3	1998.3
62.5°	2436.4	2436.4	2426.4	2442.4	2444.4	2432.4	2426.4	2428.4	2430.4	2436.4	2386.3
60°	2760.4	2780.4	2786.4	2800.4	2804.4	2804.4	2814.4	2822.4	2822.4	2810.4	2752.4
57.5°	3188.5	3226.5	3234.5	3224.5	3204.5	3178.5	3174.5	3162.5	3138.5	3114.5	3086.4
55°	3620.5	3640.5	3638.5	3632.5	3612.5	3582.5	3586.5	3570.5	3532.5	3502.5	3464.5
52.5°	4054.6	4102.6	4110.6	4098.6	4070.6	4038.6	4040.6	4022.6	3984.6	3952.6	3900.6
50°	4608.7	4648.7	4644.7	4624.7	4584.7	4560.7	4562.7	4528.7	4484.6	4474.6	4406.6
47.5°	5242.8	5288.8	5280.8	5252.8	5198.8	5188.7	5198.8	5154.7	5128.7	5106.7	5026.7
45°	6074.9	6128.9	6098.9	6044.9	5958.9	5968.9	5982.9	5974.9	5918.9	5860.8	5758.8
42.5°	7051.0	7085.0	7049.0	6995.0	6887.0	6907.0	6899.0	6851.0	6817.0	6721.0	6591.0
40°	8095.2	8169.2	8113.2	8029.2	7917.1	7947.1	7925.1	7863.1	7783.1	7663.1	7499.1
37.5°	9221.3	9279.3	9215.3	9117.3	9017.3	9007.3	8963.3	8867.3	8753.3	8621.2	8359.2
35°	10299.5	10449.5	10331.5	10175.5	10053.5	10007.4	9965.4	9743.4	9613.4	9399.4	9041.3
32.5°	11101.6	11211.6	11065.6	10903.6	10755.6	10691.5	10543.5	10279.5	10209.5	9759.4	9431.4
30°	11311.6	11303.6	11151.6	11027.6	10867.6	10823.6	10551.5	10327.5	10103.5	9687.4	9375.4
27.5°	10811.6	10761.6	10615.5	10507.5	10349.5	10297.5	10029.4	9909.4	9563.4	9211.3	8947.3
25°	9697.4	9723.4	9613.4	9559.4	9455.4	9343.4	9237.3	9075.3	8859.3	8551.2	8309.2
22.5°	8819.3	8853.3	8807.3	8743.3	8663.3	8601.2	8521.2	8395.2	8187.2	7997.2	7769.1
20°	8331.2	8321.2	8281.2	8233.2	8157.2	8113.2	8025.2	7919.1	7759.1	7595.1	7349.1
17.5°	8075.2	8013.2	7975.2	7957.1	7917.1	7861.1	7757.1	7649.1	7525.1	7339.1	7159.0
15°	7885.1	7895.1	7865.1	7851.1	7819.1	7741.1	7635.1	7547.1	7379.1	7285.1	7121.0
12.5°	7873.1	7863.1	7865.1	7859.1	7819.1	7719.1	7665.1	7553.1	7445.1	7321.1	7133.0
10°	8015.2	7909.1	7917.1	7945.1	7881.1	7801.1	7743.1	7621.1	7519.1	7361.1	7175.0
7.5°	8007.2	7953.1	7969.2	7923.1	7943.1	7845.1	7765.1	7643.1	7515.1	7347.1	7179.0
5°	8055.2	7973.2	7959.2	7963.2	7913.1	7839.1	7731.1	7615.1	7495.1	7307.1	7135.0
2.5°	7945.1	7957.1	7893.1	7869.1	7863.1	7739.1	7639.1	7527.1	7403.1	7237.0	7083.0
0°	7863.1	7885.1	7819.1	7785.1	7783.1	7677.1	7613.1	7485.1	7397.1	7259.0	7073.0
-2.5°	7819.1	7845.1	7853.1	7791.1	7731.1	7649.1	7541.1	7403.1	7259.0	7099.0	6939.0
-5°	7823.1	7771.1	7749.1	7769.1	7717.1	7635.1	7515.1	7393.1	7251.0	7079.0	6879.0
-7.5°	7665.1	7613.1	7609.1	7599.1	7587.1	7509.1	7409.1	7277.1	7133.0	6973.0	6787.0
-10°	7429.1	7391.1	7381.1	7371.1	7339.1	7293.1	7199.0	7079.0	6949.0	6789.0	6591.0
-12.5°	7167.0	7149.0	7111.0	7085.0	7053.0	6999.0	6909.0	6799.0	6669.0	6526.9	6356.9
-15°	6877.0	6843.0	6805.0	6783.0	6737.0	6673.0	6583.0	6480.9	6338.9	6198.9	6038.9
-17.5°	6526.9	6484.9	6442.9	6436.9	6404.9	6306.9	6222.9	6098.9	5974.9	5840.8	5684.8
-20°	6114.9	6056.9	6028.9	6012.9	5968.9	5896.9	5806.8	5692.8	5572.8	5444.8	5264.8



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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°	5658.8	5608.8	5560.8	5530.8	5492.8	5436.8	5350.8	5250.8	5132.7	4988.7	4822.7
-25°	5140.7	5070.7	5040.7	5006.7	4986.7	4934.7	4850.7	4758.7	4636.7	4496.6	4338.6
-27.5°	4548.7	4492.6	4476.6	4428.6	4404.6	4350.6	4280.6	4194.6	4082.6	3950.6	3820.6
-30°	3894.6	3860.6	3834.6	3786.5	3768.5	3710.5	3664.5	3592.5	3490.5	3396.5	3292.5
-32.5°	3222.5	3188.5	3180.5	3158.5	3146.5	3108.4	3056.4	3004.4	2922.4	2852.4	2768.4
-35°	2626.4	2602.4	2604.4	2602.4	2590.4	2562.4	2498.4	2484.4	2424.4	2360.3	2306.3
-37.5°	2150.3	2152.3	2150.3	2148.3	2132.3	2120.3	2074.3	2056.3	2020.3	1958.3	1926.3
-40°	1792.3	1796.3	1794.3	1790.3	1772.3	1766.3	1736.3	1712.2	1698.2	1654.2	1620.2
-42.5°	1502.2	1508.2	1506.2	1504.2	1492.2	1490.2	1474.2	1446.2	1438.2	1412.2	1376.2
-45°	1282.2	1280.2	1276.2	1280.2	1274.2	1268.2	1258.2	1240.2	1230.2	1218.2	1188.2
-47.5°	1108.2	1110.2	1106.2	1106.2	1098.2	1092.2	1088.2	1076.2	1068.2	1058.2	1040.2
-50°	964.1	972.1	970.1	968.1	962.1	958.1	958.1	946.1	934.1	930.1	918.1
-52.5°	852.1	858.1	860.1	864.1	866.1	868.1	862.1	850.1	830.1	828.1	822.1
-55°	750.1	768.1	780.1	788.1	796.1	802.1	790.1	774.1	754.1	746.1	744.1
-57.5°	680.1	698.1	712.1	724.1	734.1	744.1	732.1	716.1	698.1	688.1	686.1
-60°	616.1	632.1	646.1	662.1	676.1	692.1	686.1	674.1	664.1	656.1	648.1
-62.5°	548.1	564.1	580.1	600.1	618.1	634.1	636.1	634.1	632.1	634.1	620.1
-65°	492.1	500.1	510.1	532.1	552.1	570.1	580.1	586.1	596.1	606.1	592.1
-67.5°	432.1	442.1	454.1	470.1	486.1	498.1	512.1	528.1	544.1	560.1	550.1
-70°	378.1	386.1	396.1	404.1	414.1	422.1	434.1	452.1	470.1	486.1	482.1
-72.5°	322.0	330.0	336.0	340.0	346.1	350.1	356.1	372.1	384.1	392.1	392.1
-75°	266.0	274.0	280.0	282.0	286.0	288.0	292.0	298.0	304.0	306.0	308.0
-77.5°	204.0	212.0	218.0	222.0	226.0	230.0	232.0	236.0	238.0	238.0	240.0
-80°	152.0	158.0	162.0	168.0	170.0	174.0	178.0	180.0	182.0	182.0	184.0
-82.5°	108.0	112.0	116.0	120.0	124.0	126.0	130.0	132.0	134.0	136.0	138.0
-85°	72.0	76.0	80.0	84.0	86.0	88.0	90.0	92.0	94.0	96.0	98.0
-87.5°	42.0	44.0	46.0	50.0	52.0	56.0	58.0	56.0	58.0	58.0	58.0
-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°	78.0	78.0	78.0	78.0	76.0	72.0	70.0	66.0	62.0	58.0	54.0
85°	162.0	164.0	164.0	164.0	160.0	158.0	152.0	146.0	138.0	126.0	116.0
82.5°	270.0	272.0	272.0	270.0	266.0	260.0	252.0	242.0	226.0	210.0	196.0
80°	406.1	408.1	408.1	406.1	396.1	386.1	376.1	364.1	344.0	322.0	298.0
77.5°	568.1	572.1	572.1	566.1	552.1	540.1	524.1	504.1	474.1	442.1	410.1
75°	756.1	766.1	768.1	762.1	744.1	722.1	696.1	662.1	616.1	576.1	538.1
72.5°	974.1	984.1	992.1	984.1	958.1	928.1	890.1	850.1	804.1	750.1	686.1
70°	1260.2	1270.2	1276.2	1250.2	1204.2	1154.2	1108.2	1062.2	1008.1	942.1	872.1
67.5°	1620.2	1610.2	1598.2	1546.2	1488.2	1428.2	1364.2	1296.2	1226.2	1156.2	1074.2
65°	1966.3	1938.3	1912.3	1850.3	1776.3	1698.2	1624.2	1548.2	1464.2	1376.2	1298.2
62.5°	2330.3	2270.3	2206.3	2130.3	2054.3	1968.3	1894.3	1804.3	1710.2	1602.2	1502.2
60°	2688.4	2616.4	2552.4	2458.4	2358.3	2242.3	2162.3	2074.3	1964.3	1848.3	1730.3
57.5°	3034.4	2956.4	2886.4	2804.4	2696.4	2570.4	2482.4	2368.3	2252.3	2106.3	1986.3
55°	3402.5	3324.5	3268.5	3176.5	3058.4	2942.4	2846.4	2726.4	2564.4	2408.3	2260.3
52.5°	3824.6	3762.5	3702.5	3608.5	3466.5	3348.5	3242.5	3108.4	2938.4	2746.4	2568.4
50°	4296.6	4264.6	4200.6	4090.6	3928.6	3824.6	3684.5	3506.5	3324.5	3122.5	2900.4
47.5°	4922.7	4870.7	4780.7	4660.7	4524.7	4368.6	4180.6	3972.6	3714.5	3490.5	3254.5
45°	5670.8	5574.8	5458.8	5296.8	5128.7	4952.7	4746.7	4482.6	4136.6	3844.6	3596.5
42.5°	6480.9	6350.9	6192.9	5980.9	5762.8	5546.8	5324.8	4964.7	4532.7	4196.6	3916.6
40°	7327.1	7161.0	6963.0	6655.0	6412.9	6134.9	5880.8	5342.8	4882.7	4518.7	4220.6
37.5°	8155.2	7945.1	7613.1	7239.0	6957.0	6729.0	6170.9	5594.8	5182.7	4782.7	4480.6
35°	8789.3	8611.2	8025.2	7637.1	7395.1	7035.0	6336.9	5746.8	5310.8	4978.7	4508.7
32.5°	9165.3	8705.3	8191.2	7799.1	7599.1	7009.0	6348.9	5790.8	5370.8	4998.7	4436.6
30°	9081.3	8525.2	8075.2	7747.1	7313.1	6783.0	6236.9	5722.8	5314.8	4864.7	4356.6
27.5°	8575.2	8145.2	7743.1	7401.1	6975.0	6498.9	5994.9	5542.8	5162.7	4726.7	4246.6
25°	8003.2	7613.1	7315.1	7017.0	6613.0	6158.9	5714.8	5388.8	5006.7	4576.7	4102.6
22.5°	7477.1	7197.0	6963.0	6651.0	6256.9	5860.8	5584.8	5246.8	4854.7	4418.6	3954.6
20°	7141.0	6951.0	6683.0	6338.9	6028.9	5780.8	5474.8	5116.7	4712.7	4256.6	3828.6
17.5°	6979.0	6759.0	6460.9	6236.9	5998.9	5726.8	5384.8	5004.7	4574.7	4182.6	3842.6
15°	6895.0	6663.0	6466.9	6246.9	5978.9	5692.8	5312.8	4918.7	4574.7	4212.6	3852.6
12.5°	6913.0	6713.0	6498.9	6258.9	5970.9	5664.8	5320.8	4954.7	4598.7	4234.6	3854.6
10°	6969.0	6759.0	6530.9	6264.9	5974.9	5672.8	5342.8	4976.7	4610.7	4244.6	3850.6
7.5°	6989.0	6761.0	6516.9	6248.9	5964.9	5668.8	5346.8	4982.7	4612.7	4242.6	3838.6
5°	6927.0	6721.0	6484.9	6214.9	5936.9	5648.8	5330.8	4974.7	4596.7	4222.6	3808.6
2.5°	6843.0	6677.0	6450.9	6190.9	5908.9	5620.8	5304.8	4938.7	4560.7	4186.6	3770.5
0°	6829.0	6623.0	6394.9	6162.9	5862.8	5558.8	5244.8	4870.7	4494.6	4118.6	3704.5
-2.5°	6737.0	6518.9	6290.9	6038.9	5774.8	5468.8	5138.7	4772.7	4400.6	4030.6	3632.5
-5°	6667.0	6424.9	6182.9	5910.9	5644.8	5338.8	4996.7	4640.7	4276.6	3916.6	3532.5
-7.5°	6572.9	6324.9	6070.9	5786.8	5498.8	5186.7	4848.7	4492.6	4134.6	3776.5	3408.5
-10°	6382.9	6164.9	5926.9	5632.8	5328.8	5016.7	4680.7	4330.6	3972.6	3610.5	3240.5
-12.5°	6152.9	5922.9	5662.8	5392.8	5120.7	4830.7	4494.6	4150.6	3790.5	3426.5	3058.4
-15°	5854.8	5628.8	5362.8	5098.7	4836.7	4558.7	4262.6	3952.6	3586.5	3228.5	2860.4
-17.5°	5482.8	5270.8	5032.7	4780.7	4520.7	4240.6	3952.6	3690.5	3348.5	3012.4	2648.4
-20°	5082.7	4884.7	4670.7	4432.6	4172.6	3898.6	3626.5	3352.5	3056.4	2760.4	2422.4



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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°	4666.7	4466.6	4250.6	4028.6	3788.5	3534.5	3282.5	3020.4	2760.4	2492.4	2206.3
-25°	4186.6	4010.6	3812.6	3596.5	3382.5	3160.5	2920.4	2682.4	2460.4	2228.3	1994.3
-27.5°	3684.5	3522.5	3342.5	3154.5	2970.4	2784.4	2576.4	2356.3	2172.3	1980.3	1786.3
-30°	3156.5	3026.4	2880.4	2716.4	2574.4	2424.4	2250.3	2068.3	1900.3	1754.3	1598.2
-32.5°	2656.4	2546.4	2442.4	2334.3	2194.3	2078.3	1958.3	1824.3	1676.2	1538.2	1426.2
-35°	2226.3	2108.3	2064.3	1984.3	1884.3	1782.3	1694.2	1598.2	1486.2	1364.2	1272.2
-37.5°	1864.3	1794.3	1732.3	1688.2	1622.2	1540.2	1470.2	1400.2	1314.2	1222.2	1130.2
-40°	1582.2	1534.2	1466.2	1444.2	1402.2	1346.2	1274.2	1220.2	1162.2	1092.2	1014.1
-42.5°	1356.2	1320.2	1276.2	1238.2	1220.2	1180.2	1124.2	1072.2	1026.1	978.1	918.1
-45°	1170.2	1146.2	1118.2	1084.2	1070.2	1038.2	998.1	940.1	914.1	874.1	830.1
-47.5°	1020.1	1008.1	988.1	966.1	946.1	922.1	886.1	850.1	814.1	788.1	754.1
-50°	902.1	894.1	882.1	864.1	838.1	822.1	798.1	766.1	732.1	710.1	686.1
-52.5°	808.1	800.1	792.1	778.1	758.1	742.1	722.1	696.1	668.1	646.1	626.1
-55°	736.1	724.1	718.1	706.1	690.1	672.1	654.1	636.1	612.1	592.1	572.1
-57.5°	680.1	664.1	656.1	646.1	630.1	612.1	598.1	580.1	564.1	542.1	524.1
-60°	636.1	618.1	602.1	592.1	578.1	560.1	546.1	532.1	516.1	498.1	476.1
-62.5°	600.1	578.1	556.1	544.1	530.1	514.1	500.1	486.1	470.1	452.1	432.1
-65°	566.1	540.1	512.1	500.1	486.1	470.1	452.1	442.1	428.1	412.1	392.1
-67.5°	524.1	496.1	472.1	458.1	444.1	430.1	414.1	404.1	390.1	370.1	350.1
-70°	462.1	444.1	428.1	416.1	404.1	392.1	376.1	360.1	344.0	326.0	308.0
-72.5°	384.1	378.1	376.1	370.1	356.1	342.0	326.0	310.0	296.0	282.0	268.0
-75°	310.0	314.0	318.0	316.0	302.0	288.0	274.0	260.0	250.0	238.0	226.0
-77.5°	246.0	250.0	254.0	254.0	244.0	236.0	226.0	216.0	208.0	198.0	186.0
-80°	190.0	196.0	202.0	206.0	198.0	192.0	184.0	176.0	168.0	160.0	152.0
-82.5°	144.0	150.0	156.0	160.0	154.0	150.0	144.0	138.0	132.0	124.0	118.0
-85°	104.0	108.0	112.0	114.0	110.0	106.0	102.0	98.0	94.0	88.0	84.0
-87.5°	60.0	62.0	64.0	66.0	62.0	58.0	56.0	52.0	50.0	46.0	44.0
-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°	50.0	46.0	42.0	40.0	36.0	30.0	26.0	22.0	18.0	14.0	12.0
85°	106.0	96.0	84.0	78.0	70.0	62.0	54.0	46.0	38.0	30.0	22.0
82.5°	182.0	170.0	158.0	144.0	126.0	104.0	82.0	68.0	56.0	44.0	34.0
80°	274.0	252.0	232.0	214.0	194.0	166.0	136.0	108.0	76.0	58.0	44.0
77.5°	380.1	354.1	326.0	296.0	264.0	226.0	192.0	156.0	118.0	80.0	56.0
75°	500.1	466.1	428.1	386.1	344.0	294.0	246.0	204.0	160.0	112.0	68.0
72.5°	634.1	592.1	546.1	490.1	424.1	366.1	308.0	252.0	200.0	142.0	92.0
70°	806.1	740.1	672.1	612.1	528.1	436.1	368.1	304.0	238.0	174.0	116.0
67.5°	990.1	910.1	828.1	740.1	634.1	526.1	428.1	356.1	278.0	204.0	138.0
65°	1190.2	1090.2	986.1	888.1	742.1	614.1	504.1	406.1	316.0	232.0	160.0
62.5°	1396.2	1278.2	1158.2	1030.1	862.1	704.1	576.1	462.1	352.1	258.0	180.0
60°	1616.2	1478.2	1332.2	1172.2	976.1	802.1	644.1	520.1	390.1	284.0	202.0
57.5°	1848.3	1698.2	1526.2	1310.2	1094.2	896.1	722.1	572.1	424.1	308.0	218.0
55°	2100.3	1928.3	1740.3	1454.2	1210.2	990.1	800.1	624.1	460.1	328.0	234.0
52.5°	2372.3	2172.3	1934.3	1606.2	1332.2	1086.2	872.1	670.1	494.1	350.1	248.0
50°	2676.4	2424.4	2104.3	1746.3	1438.2	1176.2	944.1	720.1	522.1	374.1	260.0
47.5°	2992.4	2720.4	2256.3	1876.3	1546.2	1264.2	1018.1	764.1	550.1	394.1	272.0
45°	3322.5	2926.4	2414.3	1992.3	1640.2	1344.2	1074.2	804.1	584.1	412.1	282.0
42.5°	3648.5	3082.4	2552.4	2108.3	1728.2	1416.2	1120.2	842.1	612.1	430.1	292.0
40°	3802.5	3200.5	2662.4	2188.3	1802.3	1480.2	1160.2	876.1	636.1	442.1	302.0
37.5°	3866.6	3272.5	2734.4	2264.3	1860.3	1514.2	1194.2	906.1	656.1	454.1	310.0
35°	3880.6	3298.5	2770.4	2316.3	1908.3	1546.2	1220.2	928.1	672.1	466.1	318.0
32.5°	3854.6	3290.5	2780.4	2334.3	1938.3	1570.2	1238.2	944.1	684.1	478.1	326.0
30°	3796.5	3248.5	2744.4	2332.3	1960.3	1584.2	1250.2	956.1	696.1	486.1	330.0
27.5°	3702.5	3174.5	2698.4	2334.3	1972.3	1590.2	1256.2	962.1	704.1	492.1	338.0
25°	3586.5	3074.4	2700.4	2330.3	1974.3	1592.2	1256.2	962.1	706.1	494.1	344.0
22.5°	3452.5	3074.4	2700.4	2324.3	1962.3	1588.2	1250.2	958.1	706.1	498.1	350.1
20°	3460.5	3076.4	2694.4	2312.3	1944.3	1576.2	1236.2	948.1	700.1	504.1	354.1
17.5°	3466.5	3072.4	2682.4	2296.3	1920.3	1556.2	1218.2	934.1	700.1	510.1	356.1
15°	3466.5	3060.4	2664.4	2272.3	1890.3	1528.2	1192.2	922.1	702.1	512.1	360.1
12.5°	3460.5	3038.4	2636.4	2240.3	1854.3	1494.2	1176.2	918.1	702.1	514.1	360.1
10°	3448.5	3008.4	2600.4	2200.3	1820.3	1482.2	1168.2	910.1	698.1	514.1	360.1
7.5°	3426.5	2972.4	2570.4	2176.3	1800.3	1468.2	1156.2	898.1	692.1	510.1	364.1
5°	3392.5	2952.4	2546.4	2148.3	1772.3	1458.2	1148.2	888.1	688.1	510.1	360.1
2.5°	3348.5	2928.4	2518.4	2112.3	1740.3	1424.2	1122.2	866.1	674.1	502.1	356.1
0°	3276.5	2880.4	2470.4	2062.3	1696.2	1390.2	1096.2	844.1	660.1	494.1	352.1
-2.5°	3210.5	2816.4	2408.3	2010.3	1654.2	1360.2	1076.2	832.1	654.1	492.1	350.1
-5°	3118.5	2728.4	2326.3	1942.3	1598.2	1330.2	1056.2	818.1	648.1	488.1	350.1
-7.5°	3016.4	2636.4	2240.3	1872.3	1542.2	1278.2	1018.1	796.1	634.1	480.1	348.1
-10°	2858.4	2498.4	2132.3	1792.3	1482.2	1232.2	986.1	776.1	622.1	472.1	340.0
-12.5°	2690.4	2346.3	2008.3	1694.2	1414.2	1184.2	950.1	754.1	608.1	464.1	336.0
-15°	2512.4	2190.3	1878.3	1592.2	1340.2	1126.2	912.1	730.1	594.1	454.1	330.0
-17.5°	2326.3	2026.3	1744.3	1488.2	1266.2	1066.2	872.1	708.1	578.1	444.1	324.0
-20°	2130.3	1858.3	1608.2	1382.2	1188.2	1006.1	830.1	682.1	560.1	432.1	316.0



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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°	1936.3	1692.2	1468.2	1278.2	1108.2	944.1	788.1	656.1	540.1	418.1	310.0
-25°	1764.3	1536.2	1344.2	1178.2	1030.1	884.1	744.1	630.1	518.1	404.1	302.0
-27.5°	1596.2	1402.2	1222.2	1084.2	954.1	826.1	702.1	602.1	496.1	388.1	294.0
-30°	1440.2	1274.2	1126.2	992.1	882.1	774.1	666.1	574.1	472.1	372.1	284.0
-32.5°	1298.2	1164.2	1040.2	912.1	814.1	722.1	632.1	546.1	448.1	356.1	274.0
-35°	1166.2	1062.2	954.1	846.1	746.1	674.1	596.1	516.1	426.1	338.0	264.0
-37.5°	1048.2	964.1	878.1	786.1	700.1	628.1	562.1	486.1	404.1	322.0	254.0
-40°	946.1	878.1	802.1	728.1	656.1	588.1	528.1	456.1	382.1	310.0	244.0
-42.5°	852.1	800.1	738.1	676.1	612.1	552.1	494.1	424.1	360.1	296.0	234.0
-45°	780.1	728.1	678.1	622.1	568.1	516.1	458.1	396.1	340.0	280.0	224.0
-47.5°	712.1	666.1	620.1	574.1	530.1	482.1	424.1	372.1	318.0	266.0	216.0
-50°	652.1	608.1	568.1	528.1	490.1	444.1	390.1	348.1	300.0	252.0	206.0
-52.5°	596.1	558.1	518.1	486.1	454.1	408.1	364.1	324.0	282.0	236.0	196.0
-55°	546.1	510.1	474.1	444.1	414.1	374.1	338.0	304.0	264.0	224.0	186.0
-57.5°	498.1	468.1	434.1	406.1	376.1	344.0	314.0	282.0	246.0	212.0	176.0
-60°	454.1	426.1	396.1	368.1	342.0	316.0	288.0	262.0	230.0	198.0	166.0
-62.5°	410.1	386.1	360.1	332.0	312.0	288.0	266.0	240.0	214.0	186.0	148.0
-65°	370.1	348.1	324.0	300.0	282.0	264.0	244.0	220.0	198.0	172.0	132.0
-67.5°	330.0	310.0	290.0	270.0	254.0	240.0	220.0	202.0	184.0	156.0	116.0
-70°	292.0	276.0	258.0	242.0	230.0	214.0	200.0	184.0	168.0	136.0	98.0
-72.5°	256.0	240.0	226.0	214.0	204.0	190.0	178.0	166.0	144.0	114.0	82.0
-75°	214.0	204.0	196.0	186.0	176.0	166.0	156.0	142.0	120.0	92.0	64.0
-77.5°	176.0	170.0	164.0	156.0	148.0	140.0	128.0	114.0	96.0	72.0	52.0
-80°	144.0	138.0	134.0	126.0	120.0	112.0	100.0	88.0	70.0	56.0	42.0
-82.5°	110.0	106.0	102.0	98.0	92.0	84.0	72.0	62.0	52.0	42.0	32.0
-85°	78.0	76.0	72.0	68.0	62.0	56.0	48.0	42.0	36.0	28.0	22.0
-87.5°	40.0	38.0	36.0	34.0	32.0	28.0	24.0	20.0	18.0	14.0	10.0
-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°	8.0	6.0	2.0	0.0
85°	16.0	10.0	4.0	0.0
82.5°	24.0	16.0	6.0	0.0
80°	32.0	20.0	10.0	0.0
77.5°	40.0	24.0	12.0	0.0
75°	48.0	30.0	14.0	0.0
72.5°	54.0	34.0	16.0	0.0
70°	64.0	40.0	18.0	0.0
67.5°	80.0	44.0	20.0	0.0
65°	94.0	48.0	22.0	0.0
62.5°	110.0	52.0	24.0	0.0
60°	124.0	56.0	26.0	0.0
57.5°	138.0	66.0	28.0	0.0
55°	150.0	74.0	30.0	0.0
52.5°	164.0	82.0	32.0	0.0
50°	176.0	90.0	34.0	0.0
47.5°	186.0	98.0	34.0	0.0
45°	194.0	104.0	36.0	0.0
42.5°	200.0	110.0	38.0	0.0
40°	206.0	116.0	40.0	0.0
37.5°	212.0	122.0	40.0	0.0
35°	218.0	128.0	42.0	0.0
32.5°	224.0	134.0	42.0	0.0
30°	228.0	138.0	44.0	0.0
27.5°	234.0	142.0	44.0	0.0
25°	236.0	146.0	46.0	0.0
22.5°	240.0	148.0	46.0	0.0
20°	244.0	152.0	46.0	0.0
17.5°	246.0	154.0	48.0	0.0
15°	246.0	156.0	50.0	0.0
12.5°	248.0	158.0	50.0	0.0
10°	248.0	162.0	48.0	0.0
7.5°	252.0	160.0	48.0	0.0
5°	250.0	160.0	48.0	0.0
2.5°	248.0	158.0	48.0	0.0
0°	246.0	158.0	48.0	0.0
-2.5°	246.0	158.0	48.0	0.0
-5°	246.0	158.0	48.0	0.0
-7.5°	244.0	160.0	48.0	0.0
-10°	240.0	160.0	48.0	0.0
-12.5°	238.0	154.0	48.0	0.0
-15°	236.0	152.0	48.0	0.0
-17.5°	232.0	150.0	46.0	0.0
-20°	228.0	148.0	46.0	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	224.0	144.0	46.0	0.0
-25°	220.0	140.0	44.0	0.0
-27.5°	216.0	136.0	44.0	0.0
-30°	210.0	132.0	42.0	0.0
-32.5°	204.0	128.0	42.0	0.0
-35°	200.0	122.0	40.0	0.0
-37.5°	194.0	116.0	40.0	0.0
-40°	188.0	110.0	38.0	0.0
-42.5°	182.0	104.0	36.0	0.0
-45°	174.0	98.0	36.0	0.0
-47.5°	168.0	92.0	34.0	0.0
-50°	158.0	84.0	32.0	0.0
-52.5°	146.0	76.0	30.0	0.0
-55°	134.0	70.0	28.0	0.0
-57.5°	122.0	62.0	28.0	0.0
-60°	110.0	54.0	26.0	0.0
-62.5°	98.0	50.0	24.0	0.0
-65°	86.0	46.0	22.0	0.0
-67.5°	72.0	40.0	20.0	0.0
-70°	60.0	36.0	18.0	0.0
-72.5°	52.0	32.0	16.0	0.0
-75°	44.0	28.0	14.0	0.0
-77.5°	38.0	24.0	12.0	0.0
-80°	30.0	18.0	8.0	0.0
-82.5°	22.0	14.0	6.0	0.0
-85°	14.0	10.0	4.0	0.0
-87.5°	8.0	4.0	2.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)