

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: P722033

Luminaire Tested: **IFLD-M-SA4B-730-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722033
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-730-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

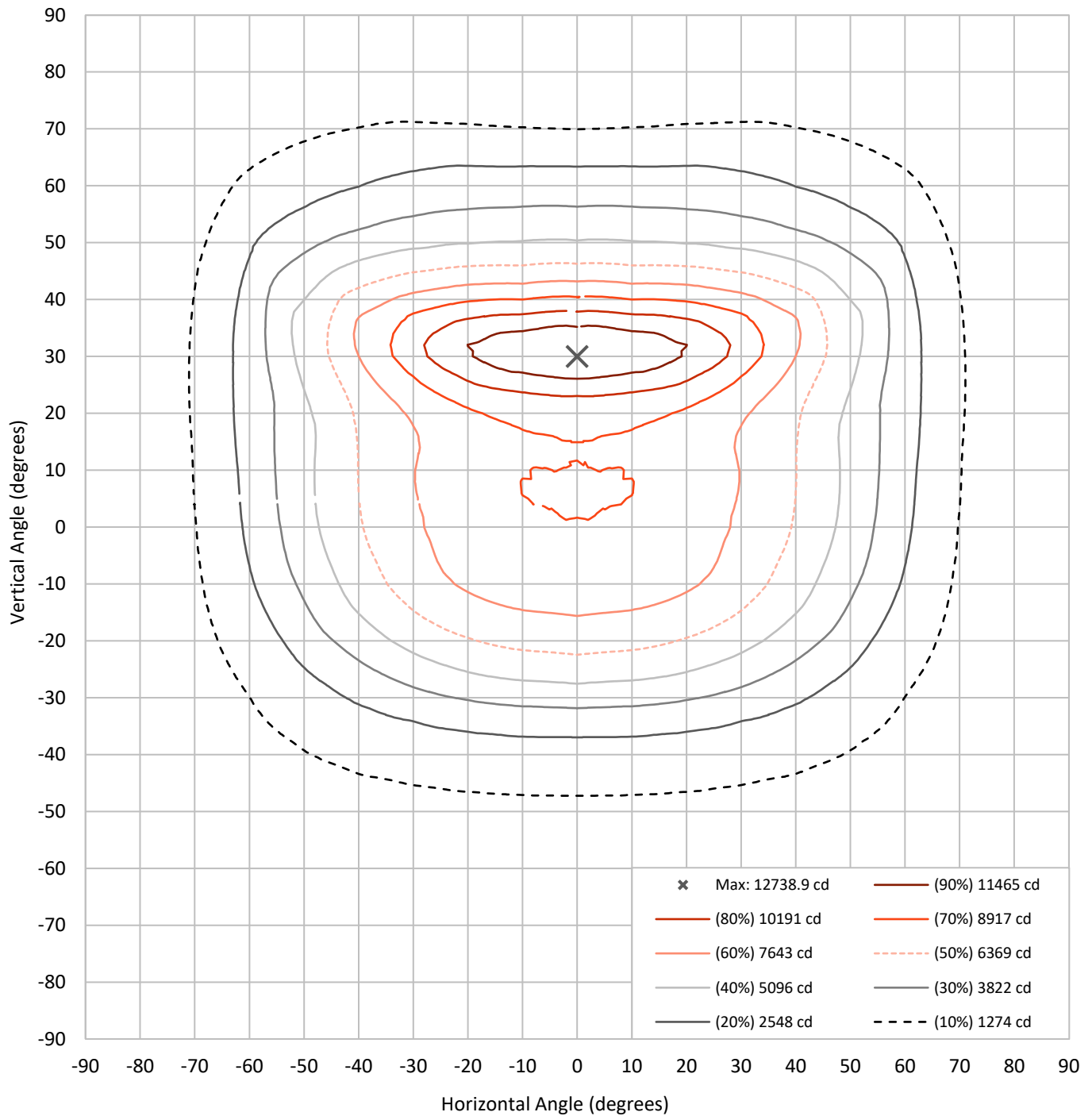
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	21264.5 lumens	Max Intensity:	12738.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	128.0 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	12365.6 lumens	Field Lumens:	19927.6 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 166.1
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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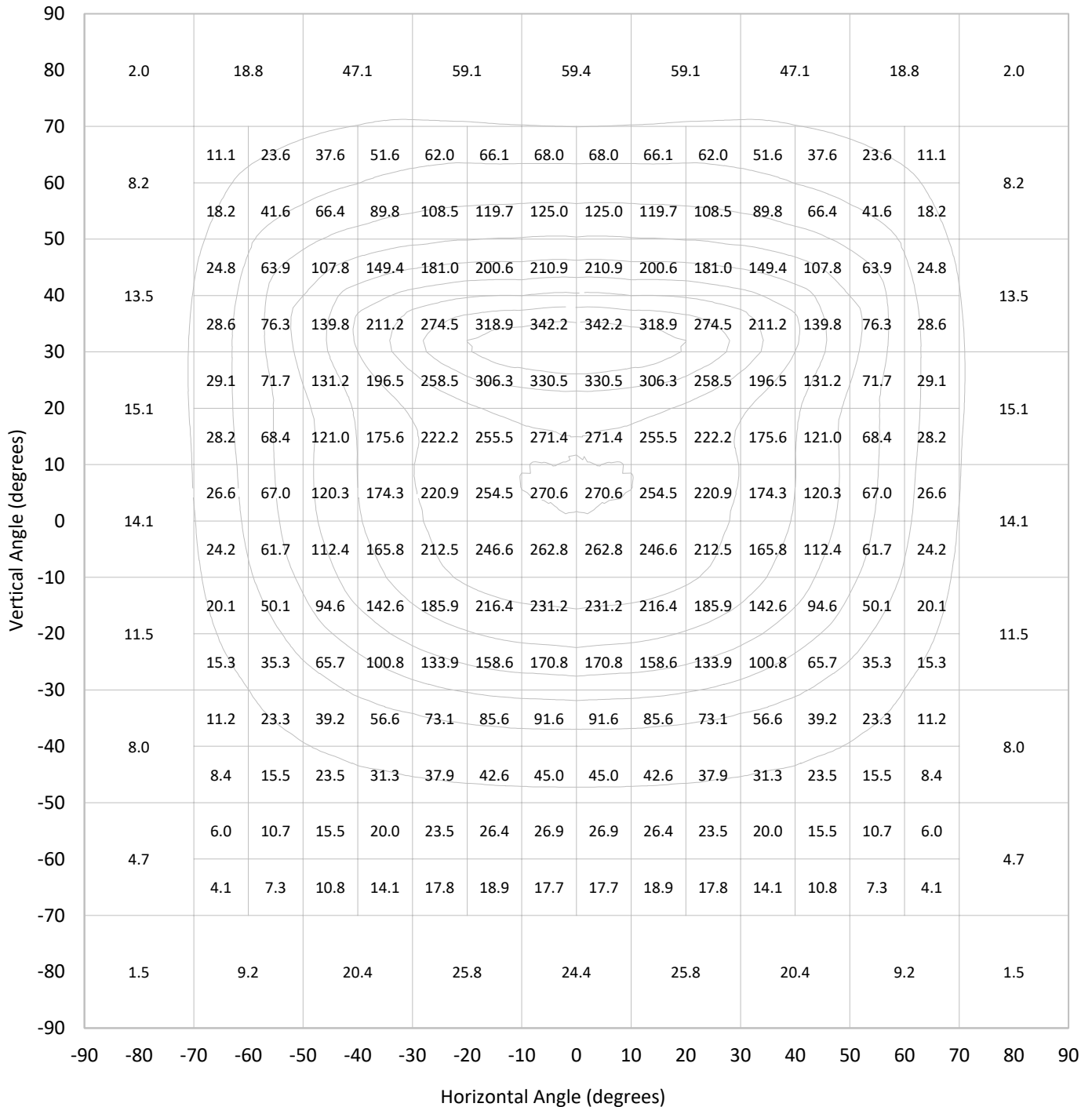
Iso-Candela Plot





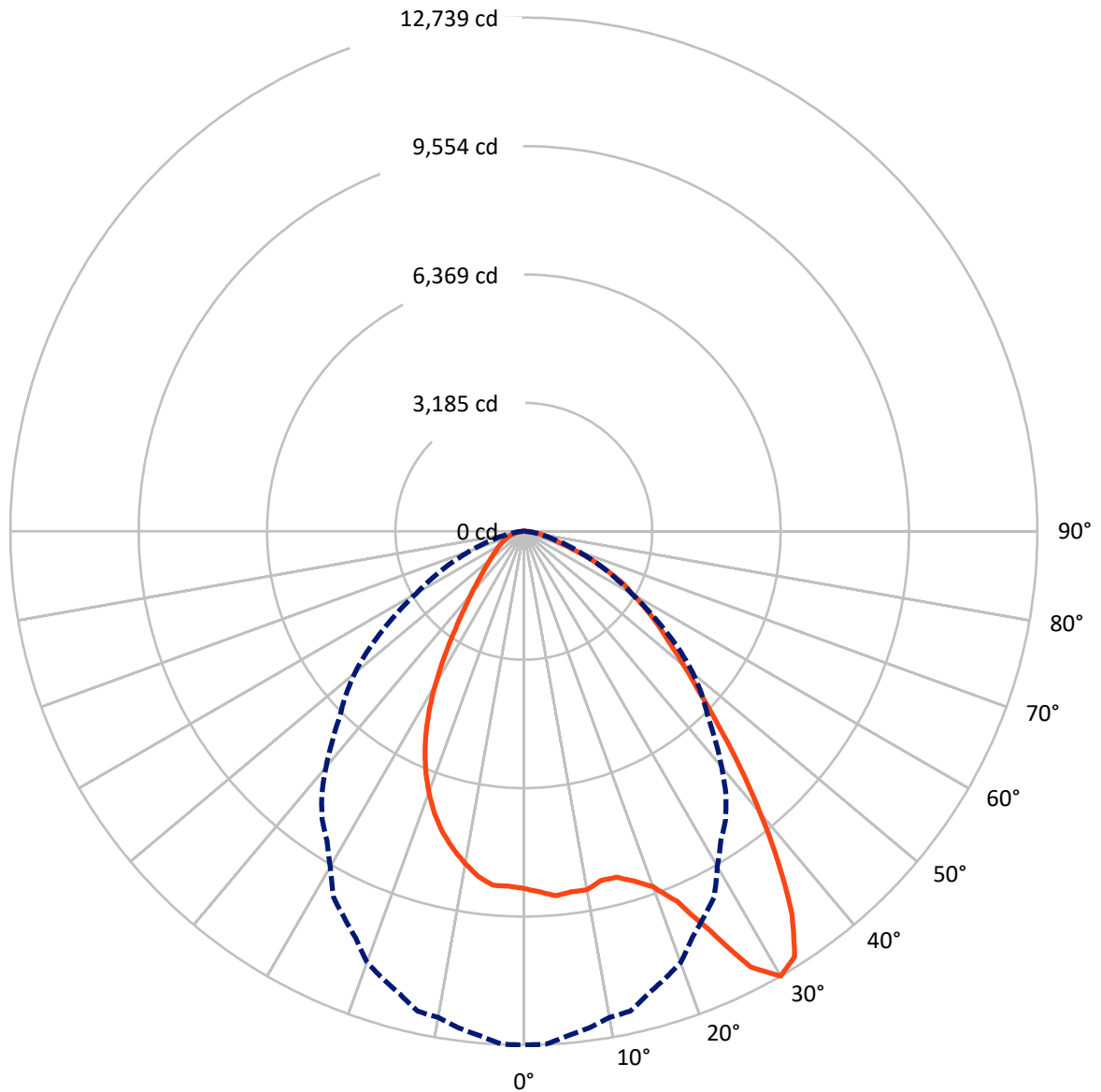
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Lumen Table



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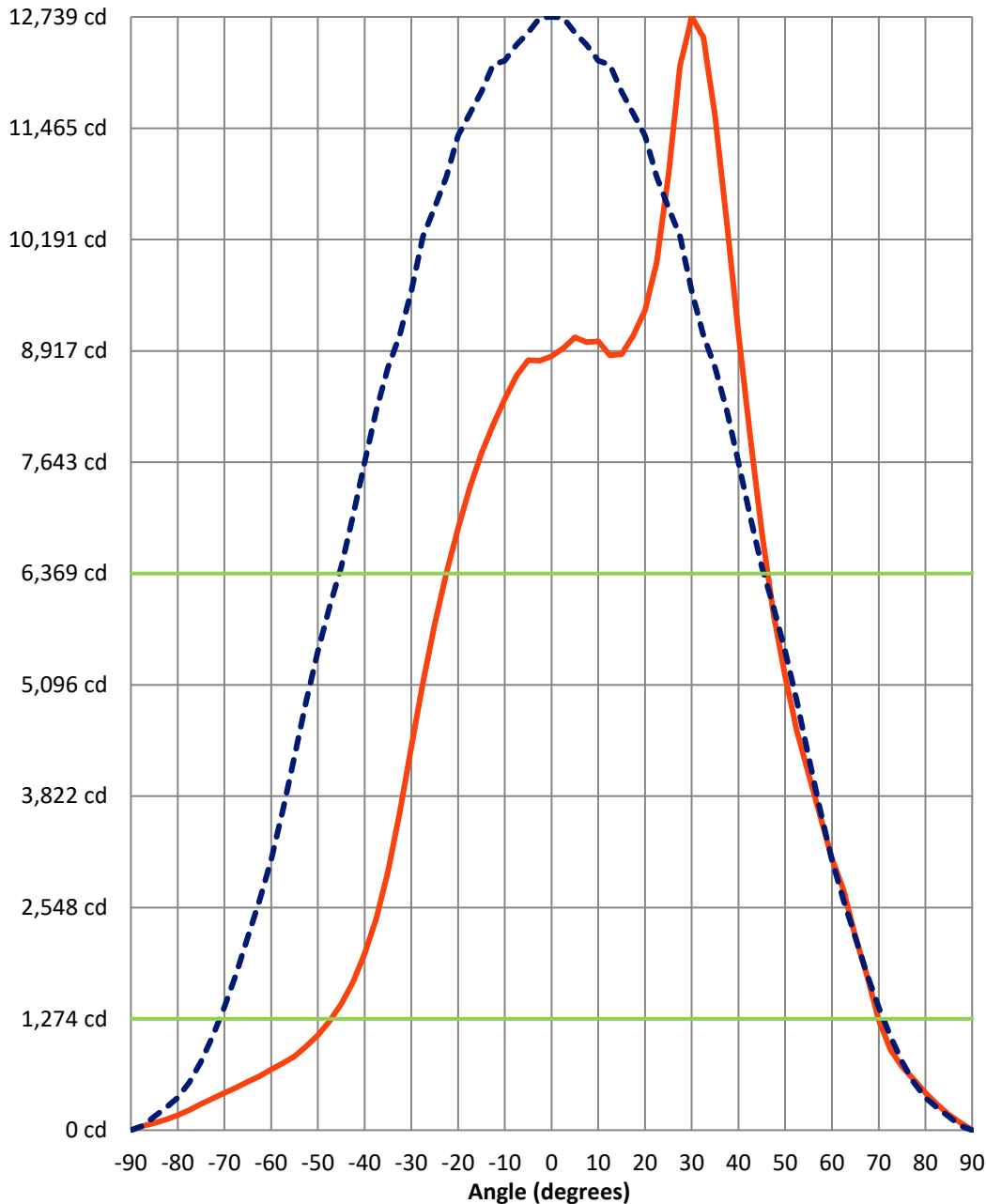
Luminous Intensity Polar Plot



— 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: 12365.6
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 19927.6
 Efficiency: 93.7%

Spill:
 Lumens: 1336.9
 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°	85.6	87.9	90.1	90.1	87.9	87.9	87.9	85.6	87.9	87.9	87.9
85°	178.0	182.5	187.0	184.7	182.5	178.0	173.5	175.7	178.0	180.2	180.2
82.5°	295.1	301.9	306.4	304.1	299.6	295.1	290.6	292.8	297.4	299.6	299.6
80°	428.0	430.3	432.5	437.0	430.3	430.3	428.0	437.0	441.5	446.0	450.5
77.5°	581.2	583.4	583.4	585.7	588.0	590.2	590.2	606.0	617.2	624.0	630.8
75°	725.4	732.1	738.9	745.6	754.7	759.2	765.9	788.4	806.5	820.0	833.5
72.5°	923.6	932.6	943.9	959.6	975.4	986.7	1002.4	1029.5	1049.8	1063.3	1079.0
70°	1263.8	1272.8	1284.0	1295.3	1311.1	1322.3	1338.1	1371.9	1392.2	1401.2	1410.2
67.5°	1768.4	1790.9	1811.2	1788.6	1777.4	1761.6	1766.1	1797.6	1817.9	1831.4	1829.2
65°	2216.6	2232.4	2232.4	2230.2	2221.1	2200.9	2212.1	2250.4	2273.0	2284.2	2250.4
62.5°	2743.8	2743.8	2732.5	2750.5	2752.8	2739.3	2732.5	2734.8	2737.0	2743.8	2687.5
60°	3108.7	3131.2	3138.0	3153.8	3158.3	3158.3	3169.5	3178.5	3178.5	3165.0	3099.7
57.5°	3590.8	3633.6	3642.6	3631.3	3608.8	3579.5	3575.0	3561.5	3534.5	3507.4	3475.9
55°	4077.4	4099.9	4097.6	4090.9	4068.4	4034.6	4039.1	4021.0	3978.2	3944.5	3901.7
52.5°	4566.2	4620.3	4629.3	4615.8	4584.2	4548.2	4550.4	4530.2	4487.4	4451.3	4392.7
50°	5190.2	5235.2	5230.7	5208.2	5163.2	5136.1	5138.4	5100.1	5050.5	5039.3	4962.7
47.5°	5904.3	5956.1	5947.1	5915.6	5854.7	5843.5	5854.7	5805.2	5775.9	5751.1	5661.0
45°	6841.4	6902.2	6868.4	6807.6	6710.8	6722.0	6737.8	6728.8	6665.7	6600.4	6485.5
42.5°	7940.7	7979.0	7938.5	7877.6	7756.0	7778.5	7769.5	7715.5	7677.2	7569.0	7422.6
40°	9116.6	9200.0	9136.9	9042.3	8916.1	8949.9	8925.1	8855.3	8765.2	8630.0	8445.3
37.5°	10384.9	10450.2	10378.1	10267.8	10155.1	10143.9	10094.3	9986.2	9857.8	9709.1	9414.0
35°	11599.1	11768.0	11635.1	11459.4	11322.0	11270.2	11222.9	10972.8	10826.4	10585.4	10182.1
32.5°	12502.4	12626.3	12461.9	12279.4	12112.7	12040.6	11873.9	11576.6	11497.7	10990.9	10621.4
30°	12738.9	12729.9	12558.7	12419.1	12238.9	12189.3	11882.9	11630.6	11378.3	10909.8	10558.3
27.5°	12175.8	12119.5	11955.0	11833.4	11655.4	11596.8	11295.0	11159.8	10770.1	10373.6	10076.3
25°	10921.0	10950.3	10826.4	10765.6	10648.5	10522.3	10402.9	10220.4	9977.2	9630.2	9357.7
22.5°	9932.1	9970.4	9918.6	9846.5	9756.4	9686.6	9596.4	9454.5	9220.3	9006.2	8749.4
20°	9382.4	9371.2	9326.1	9272.1	9186.5	9136.9	9037.8	8918.4	8738.2	8553.5	8276.4
17.5°	9094.1	9024.3	8981.5	8961.2	8916.1	8853.1	8735.9	8614.3	8474.6	8265.1	8062.4
15°	8880.1	8891.4	8857.6	8841.8	8805.8	8717.9	8598.5	8499.4	8310.2	8204.3	8019.6
12.5°	8866.6	8855.3	8857.6	8850.8	8805.8	8693.1	8632.3	8506.1	8384.5	8244.8	8033.1
10°	9026.5	8907.1	8916.1	8947.7	8875.6	8785.5	8720.2	8582.7	8467.9	8289.9	8080.4
7.5°	9017.5	8956.7	8974.7	8922.9	8945.4	8835.0	8744.9	8607.5	8463.3	8274.1	8084.9
5°	9071.6	8979.2	8963.4	8967.9	8911.6	8828.3	8706.6	8576.0	8440.8	8229.1	8035.3
2.5°	8947.7	8961.2	8889.1	8862.1	8855.3	8715.6	8603.0	8476.9	8337.2	8150.2	7976.8
0°	8855.3	8880.1	8805.8	8767.5	8765.2	8645.8	8573.7	8429.6	8330.4	8175.0	7965.5
-2.5°	8805.8	8835.0	8844.1	8774.2	8706.6	8614.3	8492.6	8337.2	8175.0	7994.8	7814.6
-5°	8810.3	8751.7	8726.9	8749.4	8690.9	8598.5	8463.3	8325.9	8166.0	7972.3	7747.0
-7.5°	8632.3	8573.7	8569.2	8558.0	8544.4	8456.6	8344.0	8195.3	8033.1	7852.9	7643.4
-10°	8366.5	8323.7	8312.4	8301.2	8265.1	8213.3	8107.4	7972.3	7825.8	7645.6	7422.6
-12.5°	8071.4	8051.1	8008.3	7979.0	7943.0	7882.2	7780.8	7656.9	7510.5	7350.5	7159.0
-15°	7744.7	7706.4	7663.6	7638.9	7587.1	7515.0	7413.6	7298.7	7138.8	6981.1	6800.9
-17.5°	7350.5	7303.2	7255.9	7249.1	7213.1	7102.7	7008.1	6868.4	6728.8	6577.8	6402.1
-20°	6886.5	6821.1	6789.6	6771.6	6722.0	6640.9	6539.6	6411.1	6276.0	6131.8	5929.1



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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°	6372.9	6316.5	6262.5	6228.7	6185.9	6122.8	6025.9	5913.3	5780.4	5618.2	5431.2
-25°	5789.4	5710.6	5676.8	5638.5	5616.0	5557.4	5462.8	5359.1	5221.7	5064.0	4886.1
-27.5°	5122.6	5059.5	5041.5	4987.5	4960.4	4899.6	4820.8	4723.9	4597.7	4449.1	4302.6
-30°	4386.0	4347.7	4318.4	4264.3	4244.1	4178.7	4126.9	4045.8	3930.9	3825.1	3707.9
-32.5°	3629.1	3590.8	3581.8	3557.0	3543.5	3500.7	3442.1	3383.5	3291.2	3212.3	3117.7
-35°	2957.8	2930.7	2933.0	2930.7	2917.2	2885.7	2813.6	2797.8	2730.3	2658.2	2597.3
-37.5°	2421.6	2423.9	2421.6	2419.4	2401.4	2387.8	2336.0	2315.8	2275.2	2205.4	2169.3
-40°	2018.4	2022.9	2020.7	2016.2	1995.9	1989.1	1955.3	1928.3	1912.5	1863.0	1824.7
-42.5°	1691.8	1698.5	1696.3	1694.0	1680.5	1678.3	1660.2	1628.7	1619.7	1590.4	1549.8
-45°	1444.0	1441.7	1437.2	1441.7	1435.0	1428.2	1416.9	1396.7	1385.4	1371.9	1338.1
-47.5°	1248.0	1250.2	1245.7	1245.7	1236.7	1230.0	1225.5	1211.9	1202.9	1191.7	1171.4
-50°	1085.8	1094.8	1092.6	1090.3	1083.5	1079.0	1079.0	1065.5	1052.0	1047.5	1034.0
-52.5°	959.6	966.4	968.7	973.2	975.4	977.7	970.9	957.4	934.9	932.6	925.9
-55°	844.8	865.0	878.5	887.6	896.6	903.3	889.8	871.8	849.3	840.3	838.0
-57.5°	765.9	786.2	802.0	815.5	826.7	838.0	824.5	806.5	786.2	774.9	772.7
-60°	693.8	711.8	727.6	745.6	761.4	779.4	772.7	759.2	747.9	738.9	729.9
-62.5°	617.2	635.3	653.3	675.8	696.1	714.1	716.4	714.1	711.8	714.1	698.3
-65°	554.2	563.2	574.4	599.2	621.7	642.0	653.3	660.0	671.3	682.6	666.8
-67.5°	486.6	497.8	511.4	529.4	547.4	560.9	576.7	594.7	612.7	630.8	619.5
-70°	425.8	434.8	446.0	455.0	466.3	475.3	488.8	509.1	529.4	547.4	542.9
-72.5°	362.7	371.7	378.5	383.0	389.7	394.2	401.0	419.0	432.5	441.5	441.5
-75°	299.6	308.6	315.4	317.6	322.1	324.4	328.9	335.7	342.4	344.7	346.9
-77.5°	229.8	238.8	245.5	250.0	254.6	259.1	261.3	265.8	268.1	268.1	270.3
-80°	171.2	178.0	182.5	189.2	191.5	196.0	200.5	202.7	205.0	205.0	207.2
-82.5°	121.6	126.2	130.7	135.2	139.7	141.9	146.4	148.7	150.9	153.2	155.4
-85°	81.1	85.6	90.1	94.6	96.9	99.1	101.4	103.6	105.9	108.1	110.4
-87.5°	47.3	49.6	51.8	56.3	58.6	63.1	65.3	63.1	65.3	65.3	65.3
-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°	87.9	87.9	87.9	87.9	85.6	81.1	78.8	74.3	69.8	65.3	60.8
85°	182.5	184.7	184.7	184.7	180.2	178.0	171.2	164.4	155.4	141.9	130.7
82.5°	304.1	306.4	306.4	304.1	299.6	292.8	283.8	272.6	254.6	236.5	220.8
80°	457.3	459.5	459.5	457.3	446.0	434.8	423.5	410.0	387.5	362.7	335.7
77.5°	639.8	644.3	644.3	637.5	621.7	608.2	590.2	567.7	533.9	497.8	461.8
75°	851.5	862.8	865.0	858.3	838.0	813.2	783.9	745.6	693.8	648.8	606.0
72.5°	1097.1	1108.3	1117.3	1108.3	1079.0	1045.2	1002.4	957.4	905.6	844.8	772.7
70°	1419.2	1430.5	1437.2	1407.9	1356.1	1299.8	1248.0	1196.2	1135.4	1061.0	982.2
67.5°	1824.7	1813.4	1799.9	1741.3	1676.0	1608.4	1536.3	1459.7	1380.9	1302.1	1209.7
65°	2214.4	2182.9	2153.6	2083.7	2000.4	1912.5	1829.2	1743.6	1649.0	1549.8	1462.0
62.5°	2624.4	2556.8	2484.7	2399.1	2313.5	2216.6	2133.3	2031.9	1926.0	1804.4	1691.8
60°	3027.6	2946.5	2874.4	2768.6	2655.9	2525.3	2435.2	2336.0	2212.1	2081.5	1948.6
57.5°	3417.3	3329.5	3250.6	3158.3	3036.6	2894.7	2795.6	2667.2	2536.5	2372.1	2236.9
55°	3831.8	3744.0	3680.9	3577.3	3444.4	3313.7	3205.6	3070.4	2887.9	2712.2	2545.5
52.5°	4307.1	4237.3	4169.7	4063.8	3903.9	3771.0	3651.6	3500.7	3309.2	3092.9	2892.5
50°	4838.8	4802.7	4730.6	4606.7	4424.3	4307.1	4149.5	3949.0	3744.0	3516.4	3266.4
47.5°	5543.9	5485.3	5383.9	5248.8	5095.6	4919.9	4708.1	4473.8	4183.2	3930.9	3665.1
45°	6386.4	6278.2	6147.6	5965.1	5775.9	5577.7	5345.6	5048.3	4658.6	4329.7	4050.3
42.5°	7298.7	7152.3	6974.3	6735.5	6490.0	6246.7	5996.7	5591.2	5104.6	4726.1	4410.8
40°	8251.6	8064.6	7841.6	7494.7	7222.1	6909.0	6622.9	6016.9	5498.8	5088.8	4753.2
37.5°	9184.2	8947.7	8573.7	8152.5	7834.8	7578.0	6949.5	6300.8	5836.7	5386.2	5046.0
35°	9898.3	9697.8	9037.8	8600.8	8328.2	7922.7	7136.5	6472.0	5980.9	5606.9	5077.6
32.5°	10321.8	9803.7	9224.8	8783.2	8558.0	7893.4	7150.0	6521.5	6048.5	5629.5	4996.5
30°	10227.2	9601.0	9094.1	8724.7	8235.8	7638.9	7023.9	6444.9	5985.4	5478.5	4906.4
27.5°	9657.3	9172.9	8720.2	8334.9	7855.1	7319.0	6751.3	6242.2	5814.2	5323.1	4782.5
25°	9013.0	8573.7	8238.1	7902.4	7447.4	6936.0	6435.9	6068.7	5638.5	5154.1	4620.3
22.5°	8420.5	8105.2	7841.6	7490.2	7046.4	6600.4	6289.5	5908.8	5467.3	4976.2	4453.6
20°	8042.1	7828.1	7526.2	7138.8	6789.6	6510.3	6165.6	5762.4	5307.3	4793.7	4311.6
17.5°	7859.6	7611.8	7276.2	7023.9	6755.8	6449.4	6064.2	5636.2	5151.9	4710.4	4327.4
15°	7765.0	7503.7	7282.9	7035.1	6733.3	6411.1	5983.1	5539.4	5151.9	4744.2	4338.7
12.5°	7785.3	7560.0	7319.0	7048.7	6724.3	6379.6	5992.1	5579.9	5178.9	4768.9	4340.9
10°	7848.4	7611.8	7355.0	7055.4	6728.8	6388.6	6016.9	5604.7	5192.4	4780.2	4336.4
7.5°	7870.9	7614.1	7339.3	7037.4	6717.5	6384.1	6021.4	5611.4	5194.7	4778.0	4322.9
5°	7801.1	7569.0	7303.2	6999.1	6686.0	6361.6	6003.4	5602.4	5176.7	4755.4	4289.1
2.5°	7706.4	7519.5	7264.9	6972.1	6654.4	6330.1	5974.1	5561.9	5136.1	4714.9	4246.3
0°	7690.7	7458.6	7201.8	6940.5	6602.6	6260.2	5906.5	5485.3	5061.8	4638.3	4172.0
-2.5°	7587.1	7341.5	7084.7	6800.9	6503.5	6158.8	5787.2	5374.9	4955.9	4539.2	4090.9
-5°	7508.2	7235.6	6963.1	6656.7	6357.1	6012.4	5627.2	5226.2	4816.2	4410.8	3978.2
-7.5°	7402.3	7123.0	6836.9	6517.0	6192.6	5841.2	5460.5	5059.5	4656.3	4253.1	3838.6
-10°	7188.3	6942.8	6674.7	6343.6	6001.2	5649.7	5271.3	4877.1	4473.8	4066.1	3649.4
-12.5°	6929.3	6670.2	6377.4	6073.2	5766.9	5440.2	5061.8	4674.3	4268.8	3858.9	3444.4
-15°	6593.6	6339.1	6039.5	5742.1	5447.0	5133.9	4800.5	4451.3	4039.1	3635.8	3221.3
-17.5°	6174.6	5935.8	5667.8	5383.9	5091.1	4775.7	4451.3	4156.2	3771.0	3392.5	2982.6
-20°	5724.1	5501.1	5260.0	4992.0	4699.1	4390.5	4084.1	3775.5	3442.1	3108.7	2728.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	5255.5	5030.3	4787.0	4536.9	4266.6	3980.5	3696.7	3401.6	3108.7	2806.8	2484.7
-25°	4714.9	4516.6	4293.6	4050.3	3809.3	3559.2	3288.9	3020.9	2770.8	2509.5	2245.9
-27.5°	4149.5	3967.0	3764.2	3552.5	3345.2	3135.7	2901.5	2653.7	2446.4	2230.2	2011.7
-30°	3554.7	3408.3	3243.9	3059.1	2899.2	2730.3	2534.3	2329.3	2140.1	1975.6	1799.9
-32.5°	2991.6	2867.7	2750.5	2628.9	2471.2	2340.5	2205.4	2054.5	1887.8	1732.3	1606.2
-35°	2507.2	2374.3	2324.8	2234.7	2122.0	2007.1	1908.0	1799.9	1673.7	1536.3	1432.7
-37.5°	2099.5	2020.7	1950.8	1901.3	1826.9	1734.6	1655.7	1576.9	1480.0	1376.4	1272.8
-40°	1781.9	1727.8	1651.2	1626.4	1579.1	1516.1	1435.0	1374.1	1308.8	1230.0	1142.1
-42.5°	1527.3	1486.8	1437.2	1394.4	1374.1	1329.1	1266.0	1207.4	1155.6	1101.6	1034.0
-45°	1317.8	1290.8	1259.3	1221.0	1205.2	1169.1	1124.1	1058.8	1029.5	984.4	934.9
-47.5°	1148.9	1135.4	1112.8	1088.0	1065.5	1038.5	997.9	957.4	916.8	887.6	849.3
-50°	1016.0	1007.0	993.4	973.2	943.9	925.9	898.8	862.8	824.5	799.7	772.7
-52.5°	910.1	901.1	892.1	876.3	853.8	835.7	813.2	783.9	752.4	727.6	705.1
-55°	829.0	815.5	808.7	795.2	777.2	756.9	736.6	716.4	689.3	666.8	644.3
-57.5°	765.9	747.9	738.9	727.6	709.6	689.3	673.6	653.3	635.3	610.5	590.2
-60°	716.4	696.1	678.1	666.8	651.0	630.8	615.0	599.2	581.2	560.9	536.1
-62.5°	675.8	651.0	626.2	612.7	597.0	578.9	563.2	547.4	529.4	509.1	486.6
-65°	637.5	608.2	576.7	563.2	547.4	529.4	509.1	497.8	482.1	464.1	441.5
-67.5°	590.2	558.7	531.6	515.9	500.1	484.3	466.3	455.0	439.3	416.7	394.2
-70°	520.4	500.1	482.1	468.6	455.0	441.5	423.5	405.5	387.5	367.2	346.9
-72.5°	432.5	425.8	423.5	416.7	401.0	385.2	367.2	349.2	333.4	317.6	301.9
-75°	349.2	353.7	358.2	355.9	340.2	324.4	308.6	292.8	281.6	268.1	254.6
-77.5°	277.1	281.6	286.1	286.1	274.8	265.8	254.6	243.3	234.3	223.0	209.5
-80°	214.0	220.8	227.5	232.0	223.0	216.3	207.2	198.2	189.2	180.2	171.2
-82.5°	162.2	169.0	175.7	180.2	173.5	169.0	162.2	155.4	148.7	139.7	132.9
-85°	117.1	121.6	126.2	128.4	123.9	119.4	114.9	110.4	105.9	99.1	94.6
-87.5°	67.6	69.8	72.1	74.3	69.8	65.3	63.1	58.6	56.3	51.8	49.6
-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°	56.3	51.8	47.3	45.1	40.5	33.8	29.3	24.8	20.3	15.8	13.5
85°	119.4	108.1	94.6	87.9	78.8	69.8	60.8	51.8	42.8	33.8	24.8
82.5°	205.0	191.5	178.0	162.2	141.9	117.1	92.4	76.6	63.1	49.6	38.3
80°	308.6	283.8	261.3	241.0	218.5	187.0	153.2	121.6	85.6	65.3	49.6
77.5°	428.0	398.7	367.2	333.4	297.4	254.6	216.3	175.7	132.9	90.1	63.1
75°	563.2	524.9	482.1	434.8	387.5	331.1	277.1	229.8	180.2	126.2	76.6
72.5°	714.1	666.8	615.0	551.9	477.6	412.2	346.9	283.8	225.3	159.9	103.6
70°	907.8	833.5	756.9	689.3	594.7	491.1	414.5	342.4	268.1	196.0	130.7
67.5°	1115.1	1025.0	932.6	833.5	714.1	592.5	482.1	401.0	313.1	229.8	155.4
65°	1340.3	1227.7	1110.6	1000.2	835.7	691.6	567.7	457.3	355.9	261.3	180.2
62.5°	1572.4	1439.5	1304.3	1160.1	970.9	792.9	648.8	520.4	396.5	290.6	202.7
60°	1820.2	1664.7	1500.3	1320.1	1099.3	903.3	725.4	585.7	439.3	319.9	227.5
57.5°	2081.5	1912.5	1718.8	1475.5	1232.2	1009.2	813.2	644.3	477.6	346.9	245.5
55°	2365.3	2171.6	1959.8	1637.7	1362.9	1115.1	901.1	702.8	518.1	369.4	263.6
52.5°	2671.7	2446.4	2178.3	1808.9	1500.3	1223.2	982.2	754.7	556.4	394.2	279.3
50°	3014.1	2730.3	2369.8	1966.6	1619.7	1324.6	1063.3	811.0	588.0	421.3	292.8
47.5°	3370.0	3063.7	2541.0	2113.0	1741.3	1423.7	1146.6	860.5	619.5	443.8	306.4
45°	3741.7	3295.7	2719.0	2243.7	1847.2	1513.8	1209.7	905.6	657.8	464.1	317.6
42.5°	4108.9	3471.4	2874.4	2374.3	1946.3	1594.9	1261.5	948.4	689.3	484.3	328.9
40°	4282.4	3604.3	2998.3	2464.4	2029.7	1667.0	1306.6	986.7	716.4	497.8	340.2
37.5°	4354.4	3685.4	3079.4	2550.0	2095.0	1705.3	1344.9	1020.5	738.9	511.4	349.2
35°	4370.2	3714.7	3120.0	2608.6	2149.1	1741.3	1374.1	1045.2	756.9	524.9	358.2
32.5°	4340.9	3705.7	3131.2	2628.9	2182.9	1768.4	1394.4	1063.3	770.4	538.4	367.2
30°	4275.6	3658.4	3090.7	2626.6	2207.6	1784.1	1407.9	1076.8	783.9	547.4	371.7
27.5°	4169.7	3575.0	3038.9	2628.9	2221.1	1790.9	1414.7	1083.5	792.9	554.2	380.7
25°	4039.1	3462.4	3041.1	2624.4	2223.4	1793.1	1414.7	1083.5	795.2	556.4	387.5
22.5°	3888.1	3462.4	3041.1	2617.6	2209.9	1788.6	1407.9	1079.0	795.2	560.9	394.2
20°	3897.1	3464.6	3034.4	2604.1	2189.6	1775.1	1392.2	1067.8	788.4	567.7	398.7
17.5°	3903.9	3460.1	3020.9	2586.1	2162.6	1752.6	1371.9	1052.0	788.4	574.4	401.0
15°	3903.9	3446.6	3000.6	2559.1	2128.8	1721.1	1342.6	1038.5	790.7	576.7	405.5
12.5°	3897.1	3421.8	2969.0	2523.0	2088.2	1682.8	1324.6	1034.0	790.7	578.9	405.5
10°	3883.6	3388.0	2928.5	2478.0	2049.9	1669.2	1315.6	1025.0	786.2	578.9	405.5
7.5°	3858.9	3347.5	2894.7	2450.9	2027.4	1653.5	1302.1	1011.5	779.4	574.4	410.0
5°	3820.6	3325.0	2867.7	2419.4	1995.9	1642.2	1293.0	1000.2	774.9	574.4	405.5
2.5°	3771.0	3297.9	2836.1	2378.8	1959.8	1603.9	1263.8	975.4	759.2	565.4	401.0
0°	3689.9	3243.9	2782.1	2322.5	1910.3	1565.6	1234.5	950.6	743.4	556.4	396.5
-2.5°	3615.6	3171.8	2712.2	2264.0	1863.0	1531.8	1211.9	937.1	736.6	554.2	394.2
-5°	3511.9	3072.7	2619.9	2187.4	1799.9	1498.0	1189.4	921.3	729.9	549.7	394.2
-7.5°	3397.1	2969.0	2523.0	2108.5	1736.8	1439.5	1146.6	896.6	714.1	540.6	392.0
-10°	3219.1	2813.6	2401.4	2018.4	1669.2	1387.7	1110.6	874.0	700.6	531.6	383.0
-12.5°	3029.9	2642.4	2261.7	1908.0	1592.7	1333.6	1070.0	849.3	684.8	522.6	378.5
-15°	2829.4	2466.7	2115.3	1793.1	1509.3	1268.3	1027.2	822.2	669.0	511.4	371.7
-17.5°	2619.9	2282.0	1964.3	1676.0	1426.0	1200.7	982.2	797.5	651.0	500.1	364.9
-20°	2399.1	2092.7	1811.2	1556.6	1338.1	1133.1	934.9	768.2	630.8	486.6	355.9



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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°	2180.6	1905.8	1653.5	1439.5	1248.0	1063.3	887.6	738.9	608.2	470.8	349.2
-25°	1986.9	1730.1	1513.8	1326.8	1160.1	995.7	838.0	709.6	583.4	455.0	340.2
-27.5°	1797.6	1579.1	1376.4	1221.0	1074.5	930.4	790.7	678.1	558.7	437.0	331.1
-30°	1621.9	1435.0	1268.3	1117.3	993.4	871.8	750.1	646.5	531.6	419.0	319.9
-32.5°	1462.0	1311.1	1171.4	1027.2	916.8	813.2	711.8	615.0	504.6	401.0	308.6
-35°	1313.3	1196.2	1074.5	952.9	840.3	759.2	671.3	581.2	479.8	380.7	297.4
-37.5°	1180.4	1085.8	988.9	885.3	788.4	707.3	633.0	547.4	455.0	362.7	286.1
-40°	1065.5	988.9	903.3	820.0	738.9	662.3	594.7	513.6	430.3	349.2	274.8
-42.5°	959.6	901.1	831.2	761.4	689.3	621.7	556.4	477.6	405.5	333.4	263.6
-45°	878.5	820.0	763.7	700.6	639.8	581.2	515.9	446.0	383.0	315.4	252.3
-47.5°	802.0	750.1	698.3	646.5	597.0	542.9	477.6	419.0	358.2	299.6	243.3
-50°	734.4	684.8	639.8	594.7	551.9	500.1	439.3	392.0	337.9	283.8	232.0
-52.5°	671.3	628.5	583.4	547.4	511.4	459.5	410.0	364.9	317.6	265.8	220.8
-55°	615.0	574.4	533.9	500.1	466.3	421.3	380.7	342.4	297.4	252.3	209.5
-57.5°	560.9	527.1	488.8	457.3	423.5	387.5	353.7	317.6	277.1	238.8	198.2
-60°	511.4	479.8	446.0	414.5	385.2	355.9	324.4	295.1	259.1	223.0	187.0
-62.5°	461.8	434.8	405.5	373.9	351.4	324.4	299.6	270.3	241.0	209.5	166.7
-65°	416.7	392.0	364.9	337.9	317.6	297.4	274.8	247.8	223.0	193.7	148.7
-67.5°	371.7	349.2	326.6	304.1	286.1	270.3	247.8	227.5	207.2	175.7	130.7
-70°	328.9	310.9	290.6	272.6	259.1	241.0	225.3	207.2	189.2	153.2	110.4
-72.5°	288.3	270.3	254.6	241.0	229.8	214.0	200.5	187.0	162.2	128.4	92.4
-75°	241.0	229.8	220.8	209.5	198.2	187.0	175.7	159.9	135.2	103.6	72.1
-77.5°	198.2	191.5	184.7	175.7	166.7	157.7	144.2	128.4	108.1	81.1	58.6
-80°	162.2	155.4	150.9	141.9	135.2	126.2	112.6	99.1	78.8	63.1	47.3
-82.5°	123.9	119.4	114.9	110.4	103.6	94.6	81.1	69.8	58.6	47.3	36.0
-85°	87.9	85.6	81.1	76.6	69.8	63.1	54.1	47.3	40.5	31.5	24.8
-87.5°	45.1	42.8	40.5	38.3	36.0	31.5	27.0	22.5	20.3	15.8	11.3
-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°	9.0	6.8	2.3	0.0
85°	18.0	11.3	4.5	0.0
82.5°	27.0	18.0	6.8	0.0
80°	36.0	22.5	11.3	0.0
77.5°	45.1	27.0	13.5	0.0
75°	54.1	33.8	15.8	0.0
72.5°	60.8	38.3	18.0	0.0
70°	72.1	45.1	20.3	0.0
67.5°	90.1	49.6	22.5	0.0
65°	105.9	54.1	24.8	0.0
62.5°	123.9	58.6	27.0	0.0
60°	139.7	63.1	29.3	0.0
57.5°	155.4	74.3	31.5	0.0
55°	169.0	83.3	33.8	0.0
52.5°	184.7	92.4	36.0	0.0
50°	198.2	101.4	38.3	0.0
47.5°	209.5	110.4	38.3	0.0
45°	218.5	117.1	40.5	0.0
42.5°	225.3	123.9	42.8	0.0
40°	232.0	130.7	45.1	0.0
37.5°	238.8	137.4	45.1	0.0
35°	245.5	144.2	47.3	0.0
32.5°	252.3	150.9	47.3	0.0
30°	256.8	155.4	49.6	0.0
27.5°	263.6	159.9	49.6	0.0
25°	265.8	164.4	51.8	0.0
22.5°	270.3	166.7	51.8	0.0
20°	274.8	171.2	51.8	0.0
17.5°	277.1	173.5	54.1	0.0
15°	277.1	175.7	56.3	0.0
12.5°	279.3	178.0	56.3	0.0
10°	279.3	182.5	54.1	0.0
7.5°	283.8	180.2	54.1	0.0
5°	281.6	180.2	54.1	0.0
2.5°	279.3	178.0	54.1	0.0
0°	277.1	178.0	54.1	0.0
-2.5°	277.1	178.0	54.1	0.0
-5°	277.1	178.0	54.1	0.0
-7.5°	274.8	180.2	54.1	0.0
-10°	270.3	180.2	54.1	0.0
-12.5°	268.1	173.5	54.1	0.0
-15°	265.8	171.2	54.1	0.0
-17.5°	261.3	169.0	51.8	0.0
-20°	256.8	166.7	51.8	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	252.3	162.2	51.8	0.0
-25°	247.8	157.7	49.6	0.0
-27.5°	243.3	153.2	49.6	0.0
-30°	236.5	148.7	47.3	0.0
-32.5°	229.8	144.2	47.3	0.0
-35°	225.3	137.4	45.1	0.0
-37.5°	218.5	130.7	45.1	0.0
-40°	211.8	123.9	42.8	0.0
-42.5°	205.0	117.1	40.5	0.0
-45°	196.0	110.4	40.5	0.0
-47.5°	189.2	103.6	38.3	0.0
-50°	178.0	94.6	36.0	0.0
-52.5°	164.4	85.6	33.8	0.0
-55°	150.9	78.8	31.5	0.0
-57.5°	137.4	69.8	31.5	0.0
-60°	123.9	60.8	29.3	0.0
-62.5°	110.4	56.3	27.0	0.0
-65°	96.9	51.8	24.8	0.0
-67.5°	81.1	45.1	22.5	0.0
-70°	67.6	40.5	20.3	0.0
-72.5°	58.6	36.0	18.0	0.0
-75°	49.6	31.5	15.8	0.0
-77.5°	42.8	27.0	13.5	0.0
-80°	33.8	20.3	9.0	0.0
-82.5°	24.8	15.8	6.8	0.0
-85°	15.8	11.3	4.5	0.0
-87.5°	9.0	4.5	2.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)