

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: P721976

Luminaire Tested: **IFLD-M-SA4C-722-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721976
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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

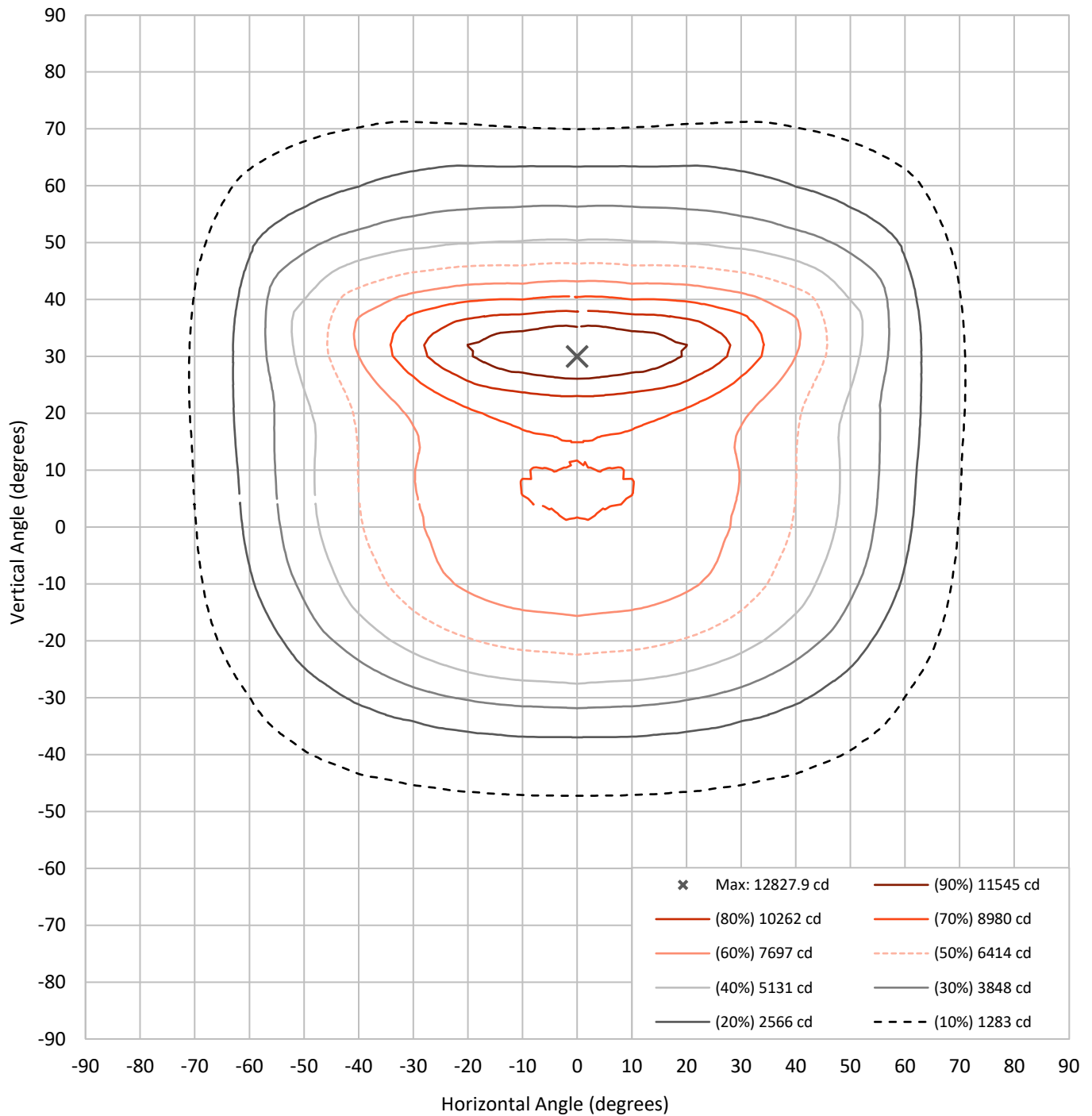
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	21412.9 lumens	Max Intensity:	12827.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	98.2 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	12451.9 lumens	Field Lumens:	20066.7 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 218.1
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



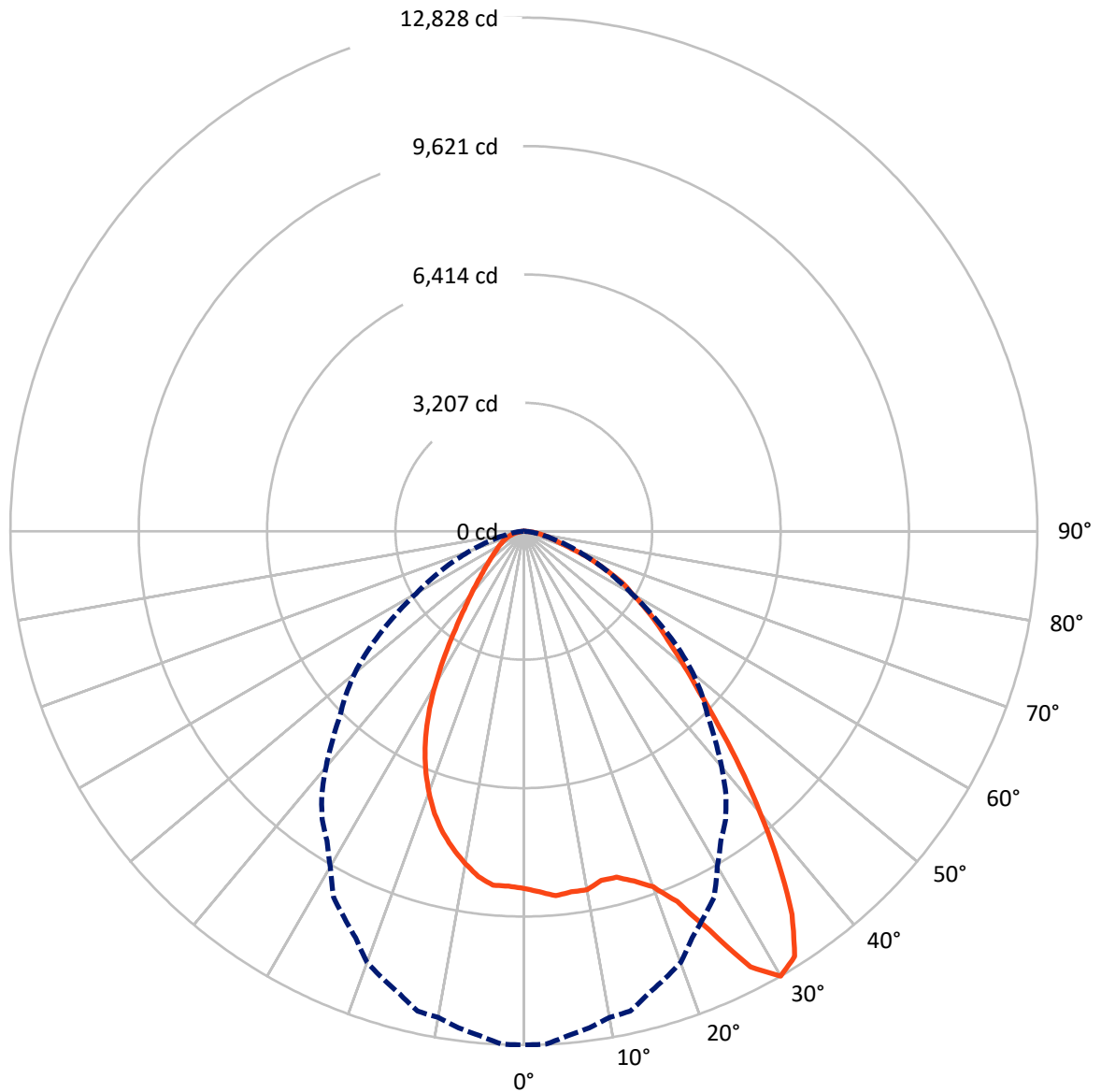
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Iso-Candela Plot



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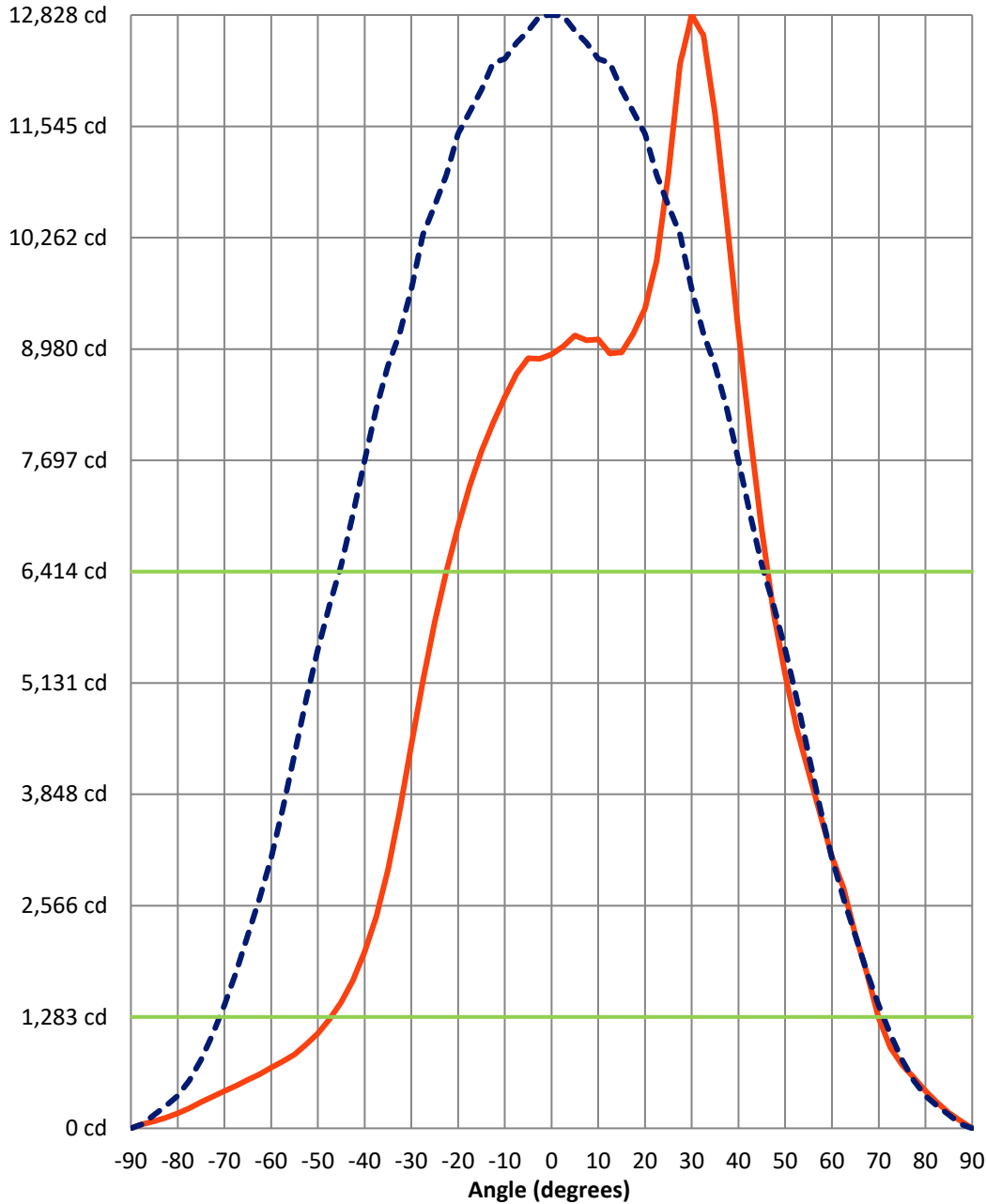
Luminous Intensity Polar Plot



— 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: 12451.9
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 20066.7
 Efficiency: 93.7%

Spill:
 Lumens: 1346.2
 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°	86.2	88.5	90.7	90.7	88.5	88.5	88.5	86.2	88.5	88.5	88.5
85°	179.2	183.7	188.3	186.0	183.7	179.2	174.7	176.9	179.2	181.5	181.5
82.5°	297.2	304.0	308.5	306.2	301.7	297.2	292.6	294.9	299.4	301.7	301.7
80°	431.0	433.3	435.5	440.1	433.3	433.3	431.0	440.1	444.6	449.1	453.7
77.5°	585.3	587.5	587.5	589.8	592.1	594.3	594.3	610.2	621.5	628.4	635.2
75°	730.4	737.2	744.0	750.8	759.9	764.5	771.3	793.9	812.1	825.7	839.3
72.5°	930.0	939.1	950.5	966.3	982.2	993.6	1009.4	1036.7	1057.1	1070.7	1086.6
70°	1272.6	1281.7	1293.0	1304.3	1320.2	1331.6	1347.4	1381.5	1401.9	1411.0	1420.0
67.5°	1780.7	1803.4	1823.8	1801.1	1789.8	1773.9	1778.4	1810.2	1830.6	1844.2	1842.0
65°	2232.1	2248.0	2248.0	2245.7	2236.7	2216.2	2227.6	2266.1	2288.8	2300.2	2266.1
62.5°	2762.9	2762.9	2751.6	2769.7	2772.0	2758.4	2751.6	2753.9	2756.1	2762.9	2706.2
60°	3130.4	3153.1	3159.9	3175.8	3180.3	3180.3	3191.7	3200.7	3200.7	3187.1	3121.3
57.5°	3615.8	3658.9	3668.0	3656.7	3634.0	3604.5	3600.0	3586.4	3559.1	3531.9	3500.2
55°	4105.8	4128.5	4126.2	4119.4	4096.8	4062.7	4067.3	4049.1	4006.0	3972.0	3928.9
52.5°	4598.1	4652.5	4661.6	4648.0	4616.2	4579.9	4582.2	4561.8	4518.7	4482.4	4423.4
50°	5226.4	5271.8	5267.3	5244.6	5199.2	5172.0	5174.2	5135.7	5085.8	5074.4	4997.3
47.5°	5945.5	5997.7	5988.6	5956.9	5895.6	5884.3	5895.6	5845.7	5816.2	5791.3	5700.5
45°	6889.2	6950.4	6916.4	6855.1	6757.6	6768.9	6784.8	6775.7	6712.2	6646.4	6530.8
42.5°	7996.2	8034.7	7993.9	7932.6	7810.1	7832.8	7823.8	7769.3	7730.8	7621.9	7474.4
40°	9180.3	9264.2	9200.7	9105.4	8978.4	9012.4	8987.5	8917.1	8826.4	8690.3	8504.3
37.5°	10457.4	10523.2	10450.6	10339.4	10226.0	10214.7	10164.8	10055.9	9926.6	9776.9	9479.7
35°	11680.1	11850.2	11716.4	11539.4	11401.0	11348.9	11301.2	11049.4	10902.0	10659.3	10253.2
32.5°	12589.7	12714.5	12548.9	12365.1	12197.3	12124.7	11956.8	11657.4	11578.0	11067.6	10695.6
30°	12827.9	12818.8	12646.4	12505.8	12324.3	12274.4	11965.9	11711.8	11457.8	10985.9	10632.0
27.5°	12260.8	12204.1	12038.5	11916.0	11736.8	11677.8	11373.8	11237.7	10845.3	10446.0	10146.6
25°	10997.3	11026.8	10902.0	10840.7	10722.8	10595.8	10475.5	10291.8	10046.8	9697.5	9423.0
22.5°	10001.4	10040.0	9987.8	9915.2	9824.5	9754.2	9663.4	9520.5	9284.6	9069.1	8810.5
20°	9447.9	9436.6	9391.2	9336.8	9250.6	9200.7	9100.9	8980.6	8799.2	8613.2	8334.1
17.5°	9157.6	9087.3	9044.2	9023.7	8978.4	8914.9	8796.9	8674.4	8533.8	8322.8	8118.6
15°	8942.1	8953.4	8919.4	8903.5	8867.2	8778.8	8658.5	8558.7	8368.2	8261.6	8075.5
12.5°	8928.5	8917.1	8919.4	8912.6	8867.2	8753.8	8692.6	8565.5	8443.0	8302.4	8089.2
10°	9089.5	8969.3	8978.4	9010.1	8937.5	8846.8	8781.0	8642.7	8527.0	8347.8	8136.8
7.5°	9080.5	9019.2	9037.4	8985.2	9007.9	8896.7	8806.0	8667.6	8522.4	8331.9	8141.3
5°	9134.9	9041.9	9026.0	9030.6	8973.8	8889.9	8767.4	8635.8	8499.7	8286.5	8091.4
2.5°	9010.1	9023.7	8951.2	8923.9	8917.1	8776.5	8663.1	8536.0	8395.4	8207.1	8032.4
0°	8917.1	8942.1	8867.2	8828.7	8826.4	8706.2	8633.6	8488.4	8388.6	8232.1	8021.1
-2.5°	8867.2	8896.7	8905.8	8835.5	8767.4	8674.4	8551.9	8395.4	8232.1	8050.6	7869.1
-5°	8871.8	8812.8	8787.8	8810.5	8751.5	8658.5	8522.4	8384.1	8223.0	8027.9	7801.1
-7.5°	8692.6	8633.6	8629.0	8617.7	8604.1	8515.6	8402.2	8252.5	8089.2	7907.7	7696.7
-10°	8424.9	8381.8	8370.4	8359.1	8322.8	8270.6	8164.0	8027.9	7880.5	7699.0	7474.4
-12.5°	8127.7	8107.3	8064.2	8034.7	7998.4	7937.2	7835.1	7710.3	7562.9	7401.8	7209.0
-15°	7798.8	7760.2	7717.1	7692.2	7640.0	7567.4	7465.3	7349.7	7188.6	7029.8	6848.3
-17.5°	7401.8	7354.2	7306.6	7299.8	7263.5	7152.3	7057.0	6916.4	6775.7	6623.8	6446.8
-20°	6934.5	6868.8	6837.0	6818.8	6768.9	6687.3	6585.2	6455.9	6319.8	6174.6	5970.5



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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°	6417.3	6360.6	6306.2	6272.2	6229.1	6165.5	6068.0	5954.6	5820.7	5657.4	5469.1
-25°	5829.8	5750.4	5716.4	5677.8	5655.2	5596.2	5500.9	5396.6	5258.2	5099.4	4920.2
-27.5°	5158.4	5094.9	5076.7	5022.3	4995.0	4933.8	4854.4	4756.9	4629.8	4480.1	4332.7
-30°	4416.6	4378.0	4348.5	4294.1	4273.7	4207.9	4155.7	4074.1	3958.4	3851.8	3733.8
-32.5°	3654.4	3615.8	3606.8	3581.8	3568.2	3525.1	3466.1	3407.2	3314.2	3234.8	3139.5
-35°	2978.4	2951.2	2953.5	2951.2	2937.6	2905.8	2833.2	2817.4	2749.3	2676.7	2615.5
-37.5°	2438.5	2440.8	2438.5	2436.3	2418.1	2404.5	2352.3	2331.9	2291.1	2220.8	2184.5
-40°	2032.5	2037.0	2034.8	2030.2	2009.8	2003.0	1969.0	1941.8	1925.9	1876.0	1837.4
-42.5°	1703.6	1710.4	1708.1	1705.8	1692.2	1690.0	1671.8	1640.1	1631.0	1601.5	1560.7
-45°	1454.1	1451.8	1447.2	1451.8	1445.0	1438.2	1426.8	1406.4	1395.1	1381.5	1347.4
-47.5°	1256.7	1259.0	1254.4	1254.4	1245.4	1238.6	1234.0	1220.4	1211.3	1200.0	1179.6
-50°	1093.4	1102.4	1100.2	1097.9	1091.1	1086.6	1086.6	1073.0	1059.3	1054.8	1041.2
-52.5°	966.3	973.1	975.4	980.0	982.2	984.5	977.7	964.1	941.4	939.1	932.3
-55°	850.7	871.1	884.7	893.8	902.8	909.6	896.0	877.9	855.2	846.1	843.8
-57.5°	771.3	791.7	807.6	821.2	832.5	843.8	830.2	812.1	791.7	780.3	778.1
-60°	698.7	716.8	732.7	750.8	766.7	784.9	778.1	764.5	753.1	744.0	735.0
-62.5°	621.5	639.7	657.8	680.5	700.9	719.1	721.4	719.1	716.8	719.1	703.2
-65°	558.0	567.1	578.4	603.4	626.1	646.5	657.8	664.6	676.0	687.3	671.5
-67.5°	490.0	501.3	514.9	533.1	551.2	564.8	580.7	598.9	617.0	635.2	623.8
-70°	428.7	437.8	449.1	458.2	469.6	478.6	492.2	512.7	533.1	551.2	546.7
-72.5°	365.2	374.3	381.1	385.6	392.4	397.0	403.8	421.9	435.5	444.6	444.6
-75°	301.7	310.8	317.6	319.8	324.4	326.7	331.2	338.0	344.8	347.1	349.3
-77.5°	231.4	240.5	247.3	251.8	256.3	260.9	263.1	267.7	269.9	269.9	272.2
-80°	172.4	179.2	183.7	190.5	192.8	197.4	201.9	204.2	206.4	206.4	208.7
-82.5°	122.5	127.0	131.6	136.1	140.6	142.9	147.4	149.7	152.0	154.3	156.5
-85°	81.7	86.2	90.7	95.3	97.5	99.8	102.1	104.3	106.6	108.9	111.2
-87.5°	47.6	49.9	52.2	56.7	59.0	63.5	65.8	63.5	65.8	65.8	65.8
-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°	88.5	88.5	88.5	88.5	86.2	81.7	79.4	74.9	70.3	65.8	61.2
85°	183.7	186.0	186.0	186.0	181.5	179.2	172.4	165.6	156.5	142.9	131.6
82.5°	306.2	308.5	308.5	306.2	301.7	294.9	285.8	274.5	256.3	238.2	222.3
80°	460.5	462.8	462.8	460.5	449.1	437.8	426.5	412.9	390.2	365.2	338.0
77.5°	644.2	648.8	648.8	642.0	626.1	612.5	594.3	571.6	537.6	501.3	465.0
75°	857.5	868.8	871.1	864.3	843.8	818.9	789.4	750.8	698.7	653.3	610.2
72.5°	1104.7	1116.1	1125.1	1116.1	1086.6	1052.5	1009.4	964.1	911.9	850.7	778.1
70°	1429.1	1440.4	1447.2	1417.8	1365.6	1308.9	1256.7	1204.5	1143.3	1068.4	989.0
67.5°	1837.4	1826.1	1812.5	1753.5	1687.7	1619.6	1547.1	1469.9	1390.5	1311.1	1218.1
65°	2229.8	2198.1	2168.6	2098.3	2014.4	1925.9	1842.0	1755.8	1660.5	1560.7	1472.2
62.5°	2642.7	2574.6	2502.1	2415.9	2329.7	2232.1	2148.2	2046.1	1939.5	1817.0	1703.6
60°	3048.7	2967.1	2894.5	2787.9	2674.5	2542.9	2452.2	2352.3	2227.6	2096.0	1962.2
57.5°	3441.2	3352.7	3273.3	3180.3	3057.8	2914.9	2815.1	2685.8	2554.2	2388.6	2252.5
55°	3858.6	3770.1	3706.6	3602.2	3468.4	3336.8	3228.0	3091.8	2908.1	2731.2	2563.3
52.5°	4337.2	4266.9	4198.8	4092.2	3931.2	3797.3	3677.1	3525.1	3332.3	3114.5	2912.6
50°	4872.6	4836.3	4763.7	4638.9	4455.2	4337.2	4178.4	3976.5	3770.1	3541.0	3289.2
47.5°	5582.6	5523.6	5421.5	5285.4	5131.1	4954.2	4741.0	4505.1	4212.4	3958.4	3690.7
45°	6430.9	6322.1	6190.5	6006.8	5816.2	5616.6	5382.9	5083.5	4691.1	4359.9	4078.6
42.5°	7349.7	7202.2	7023.0	6782.6	6535.3	6290.3	6038.5	5630.2	5140.2	4759.1	4441.6
40°	8309.2	8120.9	7896.3	7547.0	7272.5	6957.2	6669.1	6058.9	5537.2	5124.3	4786.4
37.5°	9248.3	9010.1	8633.6	8209.4	7889.5	7630.9	6998.1	6344.8	5877.5	5423.8	5081.2
35°	9967.4	9765.5	9100.9	8660.8	8386.3	7978.0	7186.3	6517.1	6022.6	5646.1	5113.0
32.5°	10393.9	9872.1	9289.1	8844.5	8617.7	7948.5	7199.9	6567.1	6090.7	5668.8	5031.3
30°	10298.6	9668.0	9157.6	8785.6	8293.3	7692.2	7072.9	6489.9	6027.2	5516.8	4940.6
27.5°	9724.7	9237.0	8781.0	8393.1	7910.0	7370.1	6798.4	6285.8	5854.8	5360.3	4815.8
25°	9075.9	8633.6	8295.6	7957.6	7499.4	6984.4	6480.9	6111.1	5677.8	5190.1	4652.5
22.5°	8479.3	8161.7	7896.3	7542.5	7095.6	6646.4	6333.4	5950.0	5505.4	5010.9	4484.7
20°	8098.2	7882.7	7578.8	7188.6	6837.0	6555.7	6208.6	5802.6	5344.4	4827.2	4341.7
17.5°	7914.5	7665.0	7327.0	7072.9	6803.0	6494.5	6106.6	5675.6	5187.9	4743.3	4357.6
15°	7819.2	7556.1	7333.8	7084.3	6780.3	6455.9	6024.9	5578.0	5187.9	4777.3	4369.0
12.5°	7839.6	7612.8	7370.1	7097.9	6771.2	6424.1	6034.0	5618.9	5215.1	4802.2	4371.2
10°	7903.1	7665.0	7406.4	7104.7	6775.7	6433.2	6058.9	5643.8	5228.7	4813.6	4366.7
7.5°	7925.8	7667.2	7390.5	7086.5	6764.4	6428.7	6063.5	5650.6	5231.0	4811.3	4353.1
5°	7855.5	7621.9	7354.2	7048.0	6732.6	6406.0	6045.3	5641.5	5212.8	4788.6	4319.1
2.5°	7760.2	7572.0	7315.6	7020.7	6700.9	6374.2	6015.8	5600.7	5172.0	4747.8	4276.0
0°	7744.4	7510.7	7252.1	6989.0	6648.7	6303.9	5947.8	5523.6	5097.1	4670.7	4201.1
-2.5°	7640.0	7392.8	7134.2	6848.3	6548.9	6201.8	5827.6	5412.4	4990.5	4570.9	4119.4
-5°	7560.6	7286.1	7011.7	6703.2	6401.5	6054.4	5666.5	5262.7	4849.9	4441.6	4006.0
-7.5°	7454.0	7172.7	6884.6	6562.5	6235.9	5882.0	5498.6	5094.9	4688.8	4282.8	3865.4
-10°	7238.5	6991.2	6721.3	6387.8	6043.1	5689.2	5308.1	4911.1	4505.1	4094.5	3674.8
-12.5°	6977.6	6716.8	6421.9	6115.6	5807.1	5478.2	5097.1	4707.0	4298.6	3885.8	3468.4
-15°	6639.6	6383.3	6081.6	5782.2	5485.0	5169.7	4834.0	4482.4	4067.3	3661.2	3243.8
-17.5°	6217.7	5977.3	5707.3	5421.5	5126.6	4809.0	4482.4	4185.2	3797.3	3416.2	3003.4
-20°	5764.0	5539.5	5296.7	5026.8	4731.9	4421.1	4112.6	3801.9	3466.1	3130.4	2747.0



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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°	5292.2	5065.4	4820.4	4568.6	4296.4	4008.3	3722.5	3425.3	3130.4	2826.4	2502.1
-25°	4747.8	4548.2	4323.6	4078.6	3835.9	3584.1	3311.9	3041.9	2790.1	2527.0	2261.6
-27.5°	4178.4	3994.7	3790.5	3577.3	3368.6	3157.6	2921.7	2672.2	2463.5	2245.7	2025.7
-30°	3579.6	3432.1	3266.5	3080.5	2919.4	2749.3	2552.0	2345.5	2155.0	1989.4	1812.5
-32.5°	3012.5	2887.7	2769.7	2647.2	2488.4	2356.9	2220.8	2068.8	1900.9	1744.4	1617.4
-35°	2524.7	2390.9	2341.0	2250.3	2136.8	2021.2	1921.3	1812.5	1685.4	1547.1	1442.7
-37.5°	2114.2	2034.8	1964.4	1914.5	1839.7	1746.7	1667.3	1587.9	1490.3	1386.0	1281.7
-40°	1794.3	1739.9	1662.7	1637.8	1590.2	1526.6	1445.0	1383.7	1317.9	1238.6	1150.1
-42.5°	1538.0	1497.2	1447.2	1404.1	1383.7	1338.4	1274.8	1215.9	1163.7	1109.3	1041.2
-45°	1327.0	1299.8	1268.0	1229.5	1213.6	1177.3	1131.9	1066.2	1036.7	991.3	941.4
-47.5°	1156.9	1143.3	1120.6	1095.6	1073.0	1045.7	1004.9	964.1	923.2	893.8	855.2
-50°	1023.1	1014.0	1000.4	980.0	950.5	932.3	905.1	868.8	830.2	805.3	778.1
-52.5°	916.4	907.4	898.3	882.4	859.7	841.6	818.9	789.4	757.6	732.7	710.0
-55°	834.8	821.2	814.4	800.7	782.6	762.2	741.8	721.4	694.1	671.5	648.8
-57.5°	771.3	753.1	744.0	732.7	714.5	694.1	678.3	657.8	639.7	614.7	594.3
-60°	721.4	700.9	682.8	671.5	655.6	635.2	619.3	603.4	585.3	564.8	539.9
-62.5°	680.5	655.6	630.6	617.0	601.1	583.0	567.1	551.2	533.1	512.7	490.0
-65°	642.0	612.5	580.7	567.1	551.2	533.1	512.7	501.3	485.4	467.3	444.6
-67.5°	594.3	562.6	535.3	519.5	503.6	487.7	469.6	458.2	442.3	419.7	397.0
-70°	524.0	503.6	485.4	471.8	458.2	444.6	426.5	408.3	390.2	369.8	349.3
-72.5°	435.5	428.7	426.5	419.7	403.8	387.9	369.8	351.6	335.7	319.8	304.0
-75°	351.6	356.1	360.7	358.4	342.5	326.7	310.8	294.9	283.6	269.9	256.3
-77.5°	279.0	283.6	288.1	288.1	276.7	267.7	256.3	245.0	235.9	224.6	211.0
-80°	215.5	222.3	229.1	233.6	224.6	217.8	208.7	199.6	190.5	181.5	172.4
-82.5°	163.3	170.1	176.9	181.5	174.7	170.1	163.3	156.5	149.7	140.6	133.8
-85°	118.0	122.5	127.0	129.3	124.8	120.2	115.7	111.2	106.6	99.8	95.3
-87.5°	68.1	70.3	72.6	74.9	70.3	65.8	63.5	59.0	56.7	52.2	49.9
-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°	56.7	52.2	47.6	45.4	40.8	34.0	29.5	25.0	20.4	15.9	13.6
85°	120.2	108.9	95.3	88.5	79.4	70.3	61.2	52.2	43.1	34.0	25.0
82.5°	206.4	192.8	179.2	163.3	142.9	118.0	93.0	77.1	63.5	49.9	38.6
80°	310.8	285.8	263.1	242.7	220.0	188.3	154.3	122.5	86.2	65.8	49.9
77.5°	431.0	401.5	369.8	335.7	299.4	256.3	217.8	176.9	133.8	90.7	63.5
75°	567.1	528.5	485.4	437.8	390.2	333.5	279.0	231.4	181.5	127.0	77.1
72.5°	719.1	671.5	619.3	555.8	480.9	415.1	349.3	285.8	226.8	161.1	104.3
70°	914.2	839.3	762.2	694.1	598.9	494.5	417.4	344.8	269.9	197.4	131.6
67.5°	1122.9	1032.1	939.1	839.3	719.1	596.6	485.4	403.8	315.3	231.4	156.5
65°	1349.7	1236.3	1118.3	1007.2	841.6	696.4	571.6	460.5	358.4	263.1	181.5
62.5°	1583.4	1449.5	1313.4	1168.2	977.7	798.5	653.3	524.0	399.2	292.6	204.2
60°	1832.9	1676.4	1510.8	1329.3	1107.0	909.6	730.4	589.8	442.3	322.1	229.1
57.5°	2096.0	1925.9	1730.8	1485.8	1240.8	1016.2	818.9	648.8	480.9	349.3	247.3
55°	2381.8	2186.7	1973.5	1649.1	1372.4	1122.9	907.4	707.7	521.7	372.0	265.4
52.5°	2690.3	2463.5	2193.6	1821.5	1510.8	1231.7	989.0	759.9	560.3	397.0	281.3
50°	3035.1	2749.3	2386.4	1980.3	1631.0	1333.8	1070.7	816.6	592.1	424.2	294.9
47.5°	3393.5	3085.0	2558.8	2127.8	1753.5	1433.6	1154.6	866.5	623.8	446.9	308.5
45°	3767.8	3318.7	2738.0	2259.3	1860.1	1524.4	1218.1	911.9	662.4	467.3	319.8
42.5°	4137.6	3495.6	2894.5	2390.9	1959.9	1606.0	1270.3	955.0	694.1	487.7	331.2
40°	4312.3	3629.5	3019.3	2481.6	2043.8	1678.6	1315.7	993.6	721.4	501.3	342.5
37.5°	4384.8	3711.1	3100.9	2567.8	2109.6	1717.2	1354.2	1027.6	744.0	514.9	351.6
35°	4400.7	3740.6	3141.8	2626.8	2164.1	1753.5	1383.7	1052.5	762.2	528.5	360.7
32.5°	4371.2	3731.5	3153.1	2647.2	2198.1	1780.7	1404.1	1070.7	775.8	542.2	369.8
30°	4305.4	3683.9	3112.3	2645.0	2223.0	1796.6	1417.8	1084.3	789.4	551.2	374.3
27.5°	4198.8	3600.0	3060.1	2647.2	2236.7	1803.4	1424.6	1091.1	798.5	558.0	383.4
25°	4067.3	3486.6	3062.4	2642.7	2238.9	1805.7	1424.6	1091.1	800.7	560.3	390.2
22.5°	3915.3	3486.6	3062.4	2635.9	2225.3	1801.1	1417.8	1086.6	800.7	564.8	397.0
20°	3924.4	3488.8	3055.6	2622.3	2204.9	1787.5	1401.9	1075.2	793.9	571.6	401.5
17.5°	3931.2	3484.3	3041.9	2604.1	2177.7	1764.8	1381.5	1059.3	793.9	578.4	403.8
15°	3931.2	3470.7	3021.5	2576.9	2143.6	1733.1	1352.0	1045.7	796.2	580.7	408.3
12.5°	3924.4	3445.7	2989.8	2540.6	2102.8	1694.5	1333.8	1041.2	796.2	583.0	408.3
10°	3910.7	3411.7	2948.9	2495.3	2064.3	1680.9	1324.8	1032.1	791.7	583.0	408.3
7.5°	3885.8	3370.9	2914.9	2468.0	2041.6	1665.0	1311.1	1018.5	784.9	578.4	412.9
5°	3847.2	3348.2	2887.7	2436.3	2009.8	1653.7	1302.1	1007.2	780.3	578.4	408.3
2.5°	3797.3	3321.0	2855.9	2395.4	1973.5	1615.1	1272.6	982.2	764.5	569.4	403.8
0°	3715.7	3266.5	2801.5	2338.7	1923.6	1576.5	1243.1	957.3	748.6	560.3	399.2
-2.5°	3640.8	3193.9	2731.2	2279.8	1876.0	1542.5	1220.4	943.7	741.8	558.0	397.0
-5°	3536.5	3094.1	2638.2	2202.6	1812.5	1508.5	1197.7	927.8	735.0	553.5	397.0
-7.5°	3420.8	2989.8	2540.6	2123.2	1748.9	1449.5	1154.6	902.8	719.1	544.4	394.7
-10°	3241.6	2833.2	2418.1	2032.5	1680.9	1397.3	1118.3	880.1	705.5	535.3	385.6
-12.5°	3051.0	2660.8	2277.5	1921.3	1603.8	1342.9	1077.5	855.2	689.6	526.3	381.1
-15°	2849.1	2483.9	2130.0	1805.7	1519.8	1277.1	1034.4	828.0	673.7	514.9	374.3
-17.5°	2638.2	2297.9	1978.1	1687.7	1435.9	1209.1	989.0	803.0	655.6	503.6	367.5
-20°	2415.9	2107.4	1823.8	1567.5	1347.4	1141.0	941.4	773.5	635.2	490.0	358.4



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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°	2195.8	1919.1	1665.0	1449.5	1256.7	1070.7	893.8	744.0	612.5	474.1	351.6
-25°	2000.7	1742.1	1524.4	1336.1	1168.2	1002.6	843.8	714.5	587.5	458.2	342.5
-27.5°	1810.2	1590.2	1386.0	1229.5	1082.0	936.9	796.2	682.8	562.6	440.1	333.5
-30°	1633.3	1445.0	1277.1	1125.1	1000.4	877.9	755.4	651.0	535.3	421.9	322.1
-32.5°	1472.2	1320.2	1179.6	1034.4	923.2	818.9	716.8	619.3	508.1	403.8	310.8
-35°	1322.5	1204.5	1082.0	959.5	846.1	764.5	676.0	585.3	483.2	383.4	299.4
-37.5°	1188.6	1093.4	995.8	891.5	793.9	712.3	637.4	551.2	458.2	365.2	288.1
-40°	1073.0	995.8	909.6	825.7	744.0	666.9	598.9	517.2	433.3	351.6	276.7
-42.5°	966.3	907.4	837.0	766.7	694.1	626.1	560.3	480.9	408.3	335.7	265.4
-45°	884.7	825.7	769.0	705.5	644.2	585.3	519.5	449.1	385.6	317.6	254.1
-47.5°	807.6	755.4	703.2	651.0	601.1	546.7	480.9	421.9	360.7	301.7	245.0
-50°	739.5	689.6	644.2	598.9	555.8	503.6	442.3	394.7	340.3	285.8	233.6
-52.5°	676.0	632.9	587.5	551.2	514.9	462.8	412.9	367.5	319.8	267.7	222.3
-55°	619.3	578.4	537.6	503.6	469.6	424.2	383.4	344.8	299.4	254.1	211.0
-57.5°	564.8	530.8	492.2	460.5	426.5	390.2	356.1	319.8	279.0	240.5	199.6
-60°	514.9	483.2	449.1	417.4	387.9	358.4	326.7	297.2	260.9	224.6	188.3
-62.5°	465.0	437.8	408.3	376.6	353.9	326.7	301.7	272.2	242.7	211.0	167.9
-65°	419.7	394.7	367.5	340.3	319.8	299.4	276.7	249.5	224.6	195.1	149.7
-67.5°	374.3	351.6	328.9	306.2	288.1	272.2	249.5	229.1	208.7	176.9	131.6
-70°	331.2	313.0	292.6	274.5	260.9	242.7	226.8	208.7	190.5	154.3	111.2
-72.5°	290.4	272.2	256.3	242.7	231.4	215.5	201.9	188.3	163.3	129.3	93.0
-75°	242.7	231.4	222.3	211.0	199.6	188.3	176.9	161.1	136.1	104.3	72.6
-77.5°	199.6	192.8	186.0	176.9	167.9	158.8	145.2	129.3	108.9	81.7	59.0
-80°	163.3	156.5	152.0	142.9	136.1	127.0	113.4	99.8	79.4	63.5	47.6
-82.5°	124.8	120.2	115.7	111.2	104.3	95.3	81.7	70.3	59.0	47.6	36.3
-85°	88.5	86.2	81.7	77.1	70.3	63.5	54.4	47.6	40.8	31.8	25.0
-87.5°	45.4	43.1	40.8	38.6	36.3	31.8	27.2	22.7	20.4	15.9	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°	9.1	6.8	2.3	0.0
85°	18.1	11.3	4.5	0.0
82.5°	27.2	18.1	6.8	0.0
80°	36.3	22.7	11.3	0.0
77.5°	45.4	27.2	13.6	0.0
75°	54.4	34.0	15.9	0.0
72.5°	61.2	38.6	18.1	0.0
70°	72.6	45.4	20.4	0.0
67.5°	90.7	49.9	22.7	0.0
65°	106.6	54.4	25.0	0.0
62.5°	124.8	59.0	27.2	0.0
60°	140.6	63.5	29.5	0.0
57.5°	156.5	74.9	31.8	0.0
55°	170.1	83.9	34.0	0.0
52.5°	186.0	93.0	36.3	0.0
50°	199.6	102.1	38.6	0.0
47.5°	211.0	111.2	38.6	0.0
45°	220.0	118.0	40.8	0.0
42.5°	226.8	124.8	43.1	0.0
40°	233.6	131.6	45.4	0.0
37.5°	240.5	138.4	45.4	0.0
35°	247.3	145.2	47.6	0.0
32.5°	254.1	152.0	47.6	0.0
30°	258.6	156.5	49.9	0.0
27.5°	265.4	161.1	49.9	0.0
25°	267.7	165.6	52.2	0.0
22.5°	272.2	167.9	52.2	0.0
20°	276.7	172.4	52.2	0.0
17.5°	279.0	174.7	54.4	0.0
15°	279.0	176.9	56.7	0.0
12.5°	281.3	179.2	56.7	0.0
10°	281.3	183.7	54.4	0.0
7.5°	285.8	181.5	54.4	0.0
5°	283.6	181.5	54.4	0.0
2.5°	281.3	179.2	54.4	0.0
0°	279.0	179.2	54.4	0.0
-2.5°	279.0	179.2	54.4	0.0
-5°	279.0	179.2	54.4	0.0
-7.5°	276.7	181.5	54.4	0.0
-10°	272.2	181.5	54.4	0.0
-12.5°	269.9	174.7	54.4	0.0
-15°	267.7	172.4	54.4	0.0
-17.5°	263.1	170.1	52.2	0.0
-20°	258.6	167.9	52.2	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	254.1	163.3	52.2	0.0
-25°	249.5	158.8	49.9	0.0
-27.5°	245.0	154.3	49.9	0.0
-30°	238.2	149.7	47.6	0.0
-32.5°	231.4	145.2	47.6	0.0
-35°	226.8	138.4	45.4	0.0
-37.5°	220.0	131.6	45.4	0.0
-40°	213.2	124.8	43.1	0.0
-42.5°	206.4	118.0	40.8	0.0
-45°	197.4	111.2	40.8	0.0
-47.5°	190.5	104.3	38.6	0.0
-50°	179.2	95.3	36.3	0.0
-52.5°	165.6	86.2	34.0	0.0
-55°	152.0	79.4	31.8	0.0
-57.5°	138.4	70.3	31.8	0.0
-60°	124.8	61.2	29.5	0.0
-62.5°	111.2	56.7	27.2	0.0
-65°	97.5	52.2	25.0	0.0
-67.5°	81.7	45.4	22.7	0.0
-70°	68.1	40.8	20.4	0.0
-72.5°	59.0	36.3	18.1	0.0
-75°	49.9	31.8	15.9	0.0
-77.5°	43.1	27.2	13.6	0.0
-80°	34.0	20.4	9.1	0.0
-82.5°	25.0	15.9	6.8	0.0
-85°	15.9	11.3	4.5	0.0
-87.5°	9.1	4.5	2.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)