

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: P639991

Luminaire Tested: **IFLD-L-SA7A-AMB-U-77-VI**

Issue Date: 02/09/2023

Test Information

Test Method: LM-79-2019
Report Number: P639991
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/09/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-77-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 7 distribution lens and VISOR
Light Source: (112) 1620K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	5634.8 lumens	Max Intensity:	4040.6 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	25.9 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		

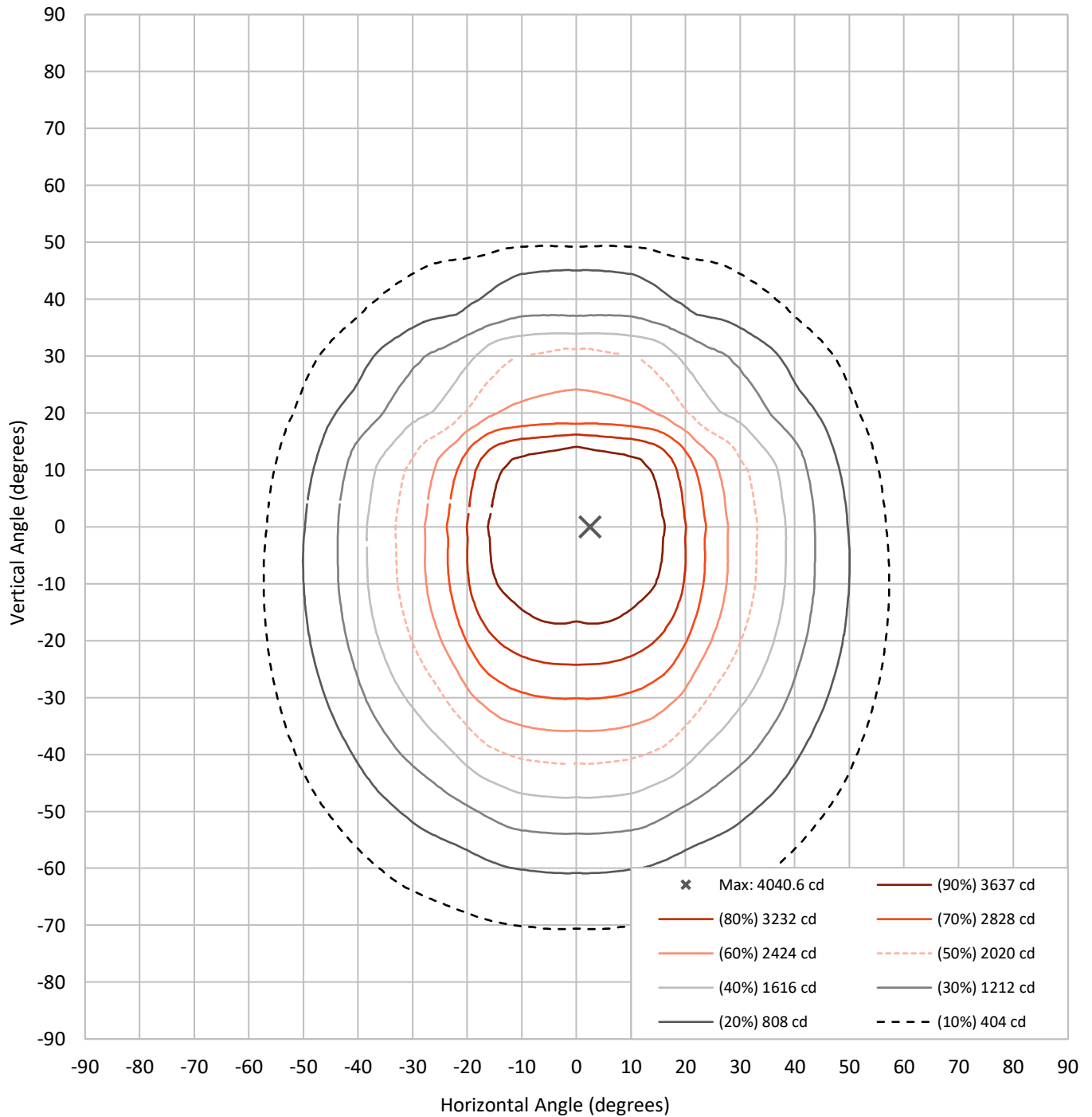
Beam Angle (50%):	66.3°H x 73°V	Field Angle (10%):	113.5°H x 120°V
Beam Lumens:	3288.9 lumens	Field Lumens:	5356.6 lumens
Beam Efficiency:	58.4%	Field Efficiency:	95.1%

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: 25 FT



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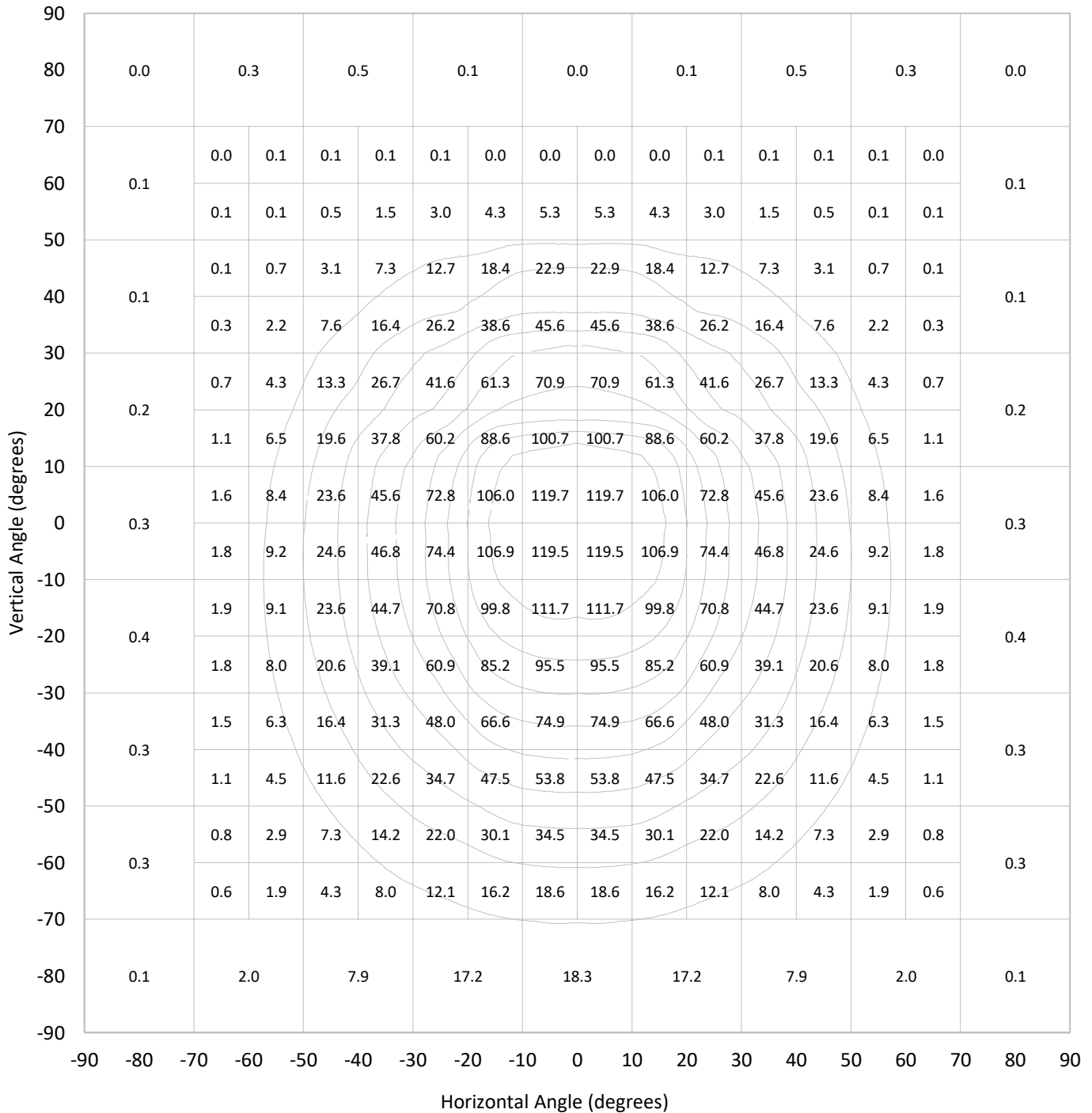
Iso-Candela Plot





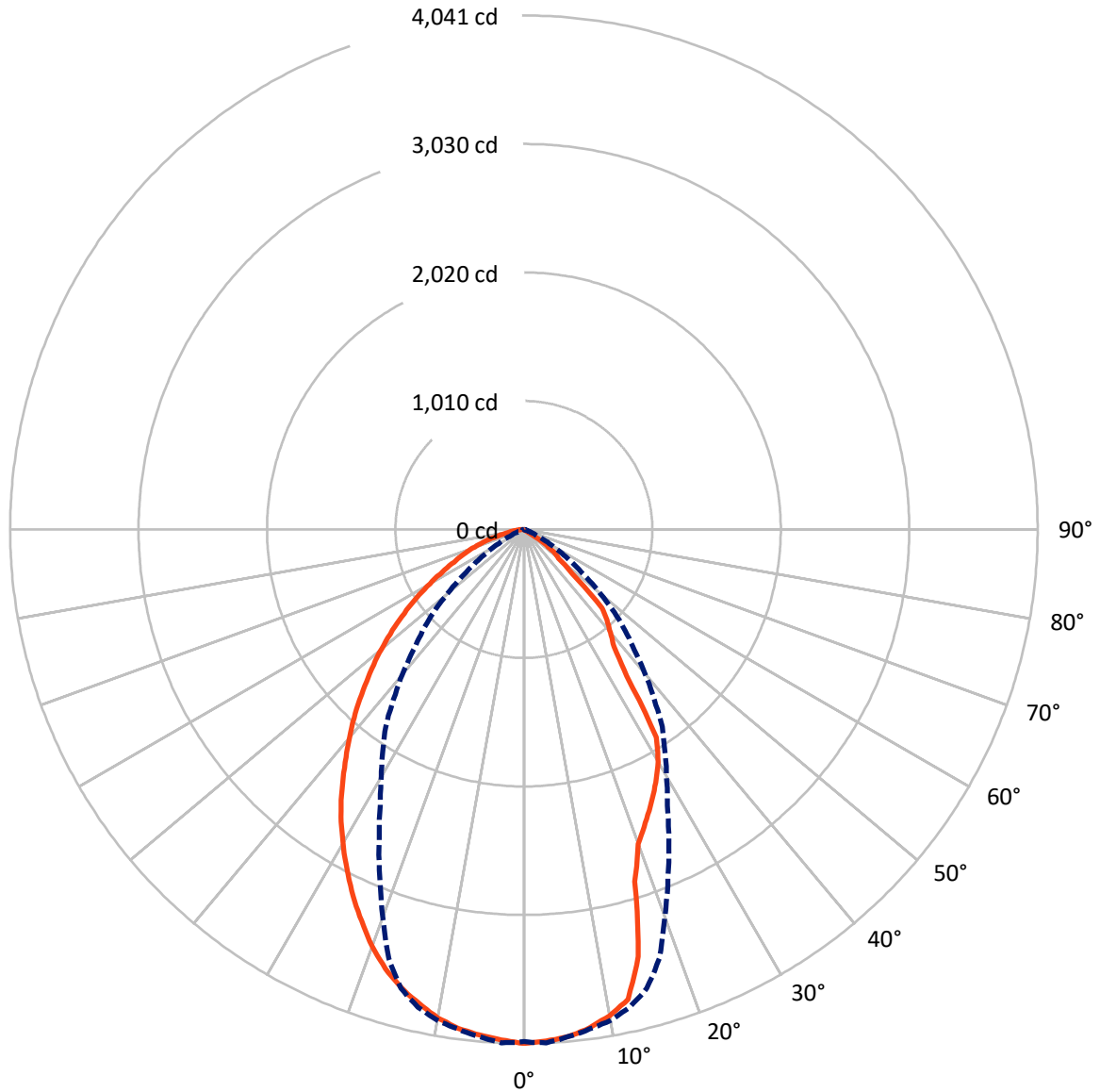
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Lumen Table



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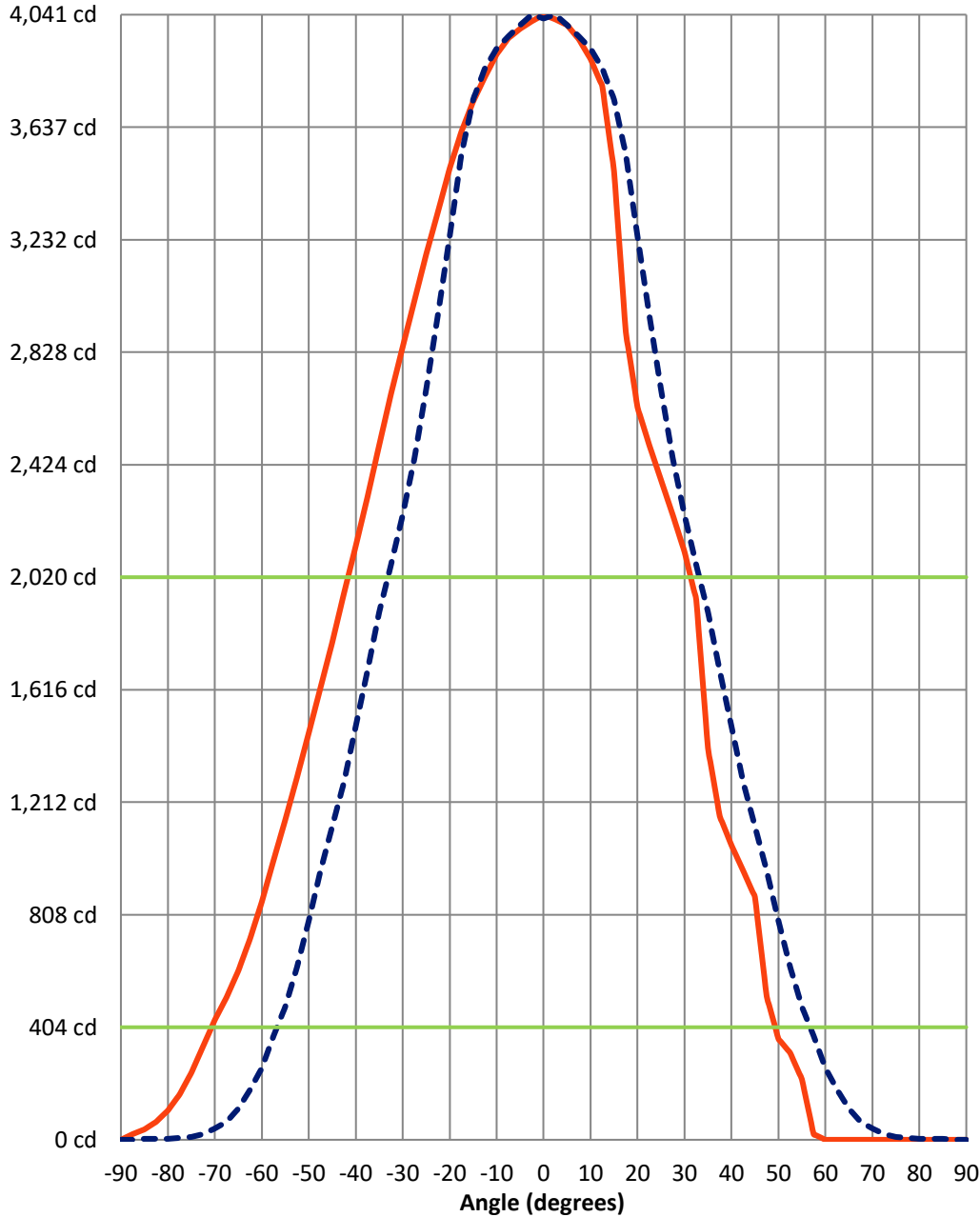
Luminous Intensity Polar Plot



— Vertical Distribution Through 2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 66.3°
 V Angle: 73°
 Lumens: 3288.9
 Efficiency: 58.4%

Field:
 H Angle: 113.5°
 V Angle: 120°
 Lumens: 5356.6
 Efficiency: 95.1%

Spill:
 Lumens: 278.2
 Efficiency: 4.9%

— Vertical Distribution through 2.5-Deg
 - - - Horizontal Distribution through 0-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4
60°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	6.8	6.8	3.4	6.8
57.5°	16.9	20.3	20.3	23.7	23.7	23.7	40.7	44.1	33.9	27.1	33.9
55°	196.6	216.9	216.9	196.6	176.3	149.2	142.4	142.4	152.5	132.2	105.1
52.5°	308.5	311.9	301.7	288.1	271.2	254.2	240.7	227.1	213.6	196.6	172.9
50°	359.3	362.7	359.3	355.9	345.8	332.2	308.5	278.0	254.2	257.6	233.9
47.5°	494.9	515.2	528.8	542.4	539.0	505.1	450.8	396.6	376.3	366.1	345.8
45°	867.8	871.2	844.1	816.9	786.4	725.4	661.0	616.9	549.1	511.9	498.3
42.5°	962.7	966.1	955.9	942.4	925.4	864.4	789.8	705.1	664.4	627.1	589.8
40°	1054.2	1057.6	1047.4	1033.9	1013.5	959.3	888.1	813.5	749.1	688.1	654.2
37.5°	1162.7	1162.7	1162.7	1155.9	1139.0	1098.3	1020.3	949.1	857.6	762.7	755.9
35°	1386.4	1406.8	1430.5	1433.9	1413.5	1362.7	1274.6	1183.0	1047.4	942.4	925.4
32.5°	1922.0	1939.0	1884.7	1833.9	1779.6	1752.5	1654.2	1471.2	1366.1	1200.0	1115.2
30°	2118.6	2111.8	2084.7	2054.2	2020.3	1976.2	1847.4	1681.3	1522.0	1396.6	1284.7
27.5°	2247.4	2244.0	2223.7	2193.2	2155.9	2105.1	1983.0	1823.7	1657.6	1505.1	1386.4
25°	2379.6	2369.5	2345.7	2315.2	2277.9	2220.3	2118.6	1966.1	1783.0	1610.1	1477.9
22.5°	2511.8	2494.9	2464.4	2437.3	2396.6	2345.7	2264.4	2098.3	1898.3	1725.4	1576.2
20°	2644.0	2630.5	2606.7	2586.4	2542.3	2488.1	2410.1	2250.8	2050.8	1861.0	1681.3
17.5°	2891.5	2901.7	2898.3	2877.9	2827.1	2783.0	2725.4	2525.4	2325.4	2064.4	1884.7
15°	3528.8	3477.9	3423.7	3372.8	3352.5	3257.6	3169.4	2922.0	2681.3	2372.8	2179.6
12.5°	3830.5	3783.0	3752.5	3722.0	3650.8	3593.2	3437.2	3210.1	2905.0	2623.7	2433.9
10°	3922.0	3881.3	3874.5	3827.1	3772.8	3688.1	3566.0	3345.7	3033.9	2755.9	2515.2
7.5°	3986.4	3952.5	3928.8	3894.9	3844.0	3755.9	3633.8	3410.1	3118.6	2833.9	2576.2
5°	4027.1	4003.3	3972.8	3938.9	3884.7	3799.9	3674.5	3464.4	3169.4	2884.7	2627.1
2.5°	4037.2	4023.7	3999.9	3949.1	3898.2	3816.9	3691.5	3491.5	3196.6	2911.8	2654.2
0°	4027.1	4040.6	4003.3	3962.7	3918.6	3847.4	3735.5	3538.9	3244.0	2962.7	2694.9
-2.5°	3949.1	4016.9	4003.3	3952.5	3898.2	3816.9	3694.9	3511.8	3220.3	2925.4	2667.8
-5°	3949.1	3989.8	3962.7	3952.5	3894.9	3813.5	3698.2	3515.2	3237.2	2942.3	2677.9
-7.5°	3922.0	3955.9	3928.8	3894.9	3864.3	3783.0	3671.1	3491.5	3227.1	2935.5	2671.1
-10°	3861.0	3898.2	3881.3	3844.0	3783.0	3722.0	3623.7	3467.7	3193.2	2905.0	2647.4
-12.5°	3789.8	3816.9	3810.1	3772.8	3708.4	3637.2	3545.7	3396.6	3138.9	2857.6	2600.0
-15°	3705.0	3728.8	3725.4	3684.7	3620.3	3542.3	3440.6	3291.5	3057.6	2793.2	2552.5
-17.5°	3599.9	3620.3	3616.9	3572.8	3518.6	3437.2	3335.5	3189.8	2959.3	2708.4	2477.9
-20°	3467.7	3488.1	3481.3	3440.6	3386.4	3315.2	3216.9	3064.4	2850.8	2613.5	2396.6



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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°	3335.5	3332.2	3328.8	3298.3	3247.4	3179.6	3094.9	2932.2	2725.4	2505.0	2301.7
-25°	3186.4	3179.6	3172.8	3145.7	3094.9	3030.5	2942.3	2806.7	2600.0	2379.6	2186.4
-27.5°	3003.3	3013.5	3006.7	2979.6	2935.5	2874.5	2779.6	2664.4	2471.1	2261.0	2067.8
-30°	2837.2	2847.4	2833.9	2810.1	2766.1	2711.8	2616.9	2494.9	2332.2	2139.0	1962.7
-32.5°	2674.5	2677.9	2657.6	2633.9	2593.2	2538.9	2457.6	2325.4	2172.8	2003.4	1847.4
-35°	2484.7	2494.9	2477.9	2454.2	2420.3	2369.5	2305.0	2169.5	2016.9	1857.6	1725.4
-37.5°	2301.7	2308.4	2298.3	2277.9	2247.4	2196.6	2135.6	2020.3	1871.2	1722.0	1603.4
-40°	2135.6	2132.2	2118.6	2101.7	2074.5	2023.7	1962.7	1867.8	1732.2	1596.6	1477.9
-42.5°	1955.9	1962.7	1949.1	1932.2	1908.4	1854.2	1789.8	1711.8	1589.8	1471.2	1359.3
-45°	1786.4	1786.4	1776.2	1762.7	1739.0	1688.1	1616.9	1545.7	1440.7	1342.4	1250.8
-47.5°	1620.3	1623.7	1613.5	1596.6	1576.2	1528.8	1457.6	1379.6	1294.9	1213.5	1132.2
-50°	1454.2	1461.0	1450.8	1437.3	1416.9	1376.3	1308.5	1230.5	1152.5	1084.7	1016.9
-52.5°	1298.3	1301.7	1291.5	1277.9	1261.0	1230.5	1162.7	1094.9	1020.3	962.7	905.1
-55°	1145.7	1149.1	1142.4	1128.8	1111.8	1084.7	1027.1	962.7	898.3	840.7	793.2
-57.5°	1000.0	1003.4	993.2	979.6	962.7	942.4	891.5	833.9	772.9	722.0	681.3
-60°	850.8	854.2	850.8	837.3	820.3	800.0	759.3	711.9	664.4	620.3	586.4
-62.5°	725.4	722.0	711.9	701.7	688.1	671.2	640.7	603.4	566.1	528.8	498.3
-65°	603.4	606.8	603.4	589.8	576.3	562.7	542.4	511.9	484.7	454.2	430.5
-67.5°	515.2	511.9	511.9	498.3	488.1	478.0	457.6	437.3	413.6	389.8	366.1
-70°	427.1	430.5	430.5	416.9	410.2	400.0	386.4	369.5	349.1	332.2	311.9
-72.5°	332.2	335.6	339.0	332.2	332.2	328.8	322.0	308.5	294.9	281.4	267.8
-75°	233.9	240.7	244.1	250.8	254.2	261.0	264.4	254.2	240.7	230.5	220.3
-77.5°	155.9	162.7	166.1	176.3	186.4	193.2	200.0	196.6	189.8	183.0	176.3
-80°	101.7	105.1	108.5	122.0	128.8	139.0	149.2	145.8	142.4	139.0	135.6
-82.5°	61.0	64.4	67.8	78.0	88.1	94.9	105.1	101.7	101.7	98.3	98.3
-85°	33.9	37.3	40.7	47.5	54.2	61.0	64.4	61.0	61.0	57.6	54.2
-87.5°	16.9	20.3	20.3	23.7	27.1	27.1	30.5	27.1	27.1	27.1	23.7
-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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	3.4	3.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
82.5°	3.4	3.4	3.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	3.4	3.4	3.4	3.4	3.4	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	0.0	3.4	3.4	3.4	3.4	6.8	6.8	6.8	6.8	6.8	6.8
75°	0.0	3.4	3.4	3.4	3.4	6.8	6.8	6.8	6.8	6.8	3.4
72.5°	0.0	3.4	3.4	3.4	3.4	6.8	6.8	6.8	6.8	3.4	3.4
70°	0.0	3.4	3.4	3.4	3.4	6.8	6.8	6.8	6.8	3.4	3.4
67.5°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	3.4	3.4
65°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
60°	6.8	6.8	6.8	6.8	6.8	3.4	3.4	6.8	6.8	3.4	3.4
57.5°	33.9	20.3	16.9	20.3	16.9	16.9	10.2	6.8	6.8	6.8	6.8
55°	88.1	84.7	64.4	47.5	40.7	33.9	23.7	16.9	10.2	10.2	10.2
52.5°	145.8	125.4	115.3	98.3	78.0	64.4	47.5	33.9	20.3	13.6	10.2
50°	196.6	183.0	166.1	145.8	122.0	101.7	81.4	57.6	40.7	27.1	16.9
47.5°	311.9	271.2	244.1	216.9	176.3	149.2	125.4	98.3	67.8	44.1	30.5
45°	447.5	379.7	332.2	305.1	254.2	203.4	169.5	145.8	105.1	67.8	47.5
42.5°	549.1	488.1	416.9	366.1	318.6	267.8	216.9	183.0	145.8	101.7	64.4
40°	620.3	562.7	498.3	444.1	376.3	322.0	271.2	230.5	189.8	142.4	88.1
37.5°	711.9	654.2	593.2	539.0	464.4	376.3	328.8	284.7	237.3	183.0	125.4
35°	898.3	789.8	718.6	650.8	566.1	471.2	389.8	342.4	288.1	227.1	166.1
32.5°	1098.3	1003.4	864.4	779.6	694.9	572.9	478.0	400.0	339.0	274.6	203.4
30°	1223.7	1128.8	1010.2	905.1	789.8	671.2	566.1	467.8	393.2	318.6	244.1
27.5°	1298.3	1223.7	1111.8	989.8	874.6	749.1	644.1	545.8	440.7	359.3	281.4
25°	1379.6	1291.5	1203.4	1067.8	942.4	816.9	708.5	616.9	491.5	396.6	315.2
22.5°	1454.2	1372.9	1281.3	1149.1	1006.8	884.7	793.2	684.7	555.9	437.3	349.1
20°	1583.0	1498.3	1379.6	1230.5	1098.3	993.2	884.7	762.7	616.9	474.6	379.7
17.5°	1793.2	1671.2	1505.1	1355.9	1230.5	1105.1	976.3	854.2	678.0	522.0	420.3
15°	2044.0	1864.4	1674.6	1501.7	1359.3	1220.3	1071.2	925.4	745.8	583.0	461.0
12.5°	2216.9	2003.4	1830.5	1650.8	1488.1	1325.4	1145.7	979.6	806.8	633.9	498.3
10°	2298.3	2105.1	1949.1	1766.1	1559.3	1369.5	1193.2	1027.1	857.6	678.0	535.6
7.5°	2352.5	2162.7	1989.8	1813.5	1600.0	1410.1	1230.5	1064.4	901.7	715.2	572.9
5°	2386.4	2189.8	2016.9	1844.0	1630.5	1437.3	1254.2	1098.3	935.6	745.8	596.6
2.5°	2406.7	2216.9	2044.0	1877.9	1664.4	1467.8	1277.9	1118.6	959.3	772.9	613.6
0°	2447.4	2244.0	2064.4	1894.9	1684.7	1484.7	1284.7	1125.4	966.1	786.4	620.3
-2.5°	2430.5	2233.9	2054.2	1894.9	1691.5	1488.1	1298.3	1128.8	972.9	806.8	633.9
-5°	2444.0	2237.3	2050.8	1881.3	1684.7	1477.9	1294.9	1122.0	969.5	813.5	637.3
-7.5°	2440.6	2237.3	2050.8	1874.5	1684.7	1481.3	1294.9	1122.0	969.5	813.5	640.7
-10°	2423.7	2223.7	2037.3	1861.0	1671.2	1474.6	1288.1	1115.2	962.7	806.8	644.1
-12.5°	2389.8	2196.6	2010.1	1833.9	1647.4	1454.2	1267.8	1101.7	952.5	796.6	640.7
-15°	2342.3	2152.5	1969.5	1796.6	1616.9	1427.1	1240.7	1081.3	935.6	779.6	633.9
-17.5°	2281.3	2098.3	1918.6	1749.1	1576.2	1393.2	1213.5	1064.4	911.9	762.7	616.9
-20°	2203.4	2030.5	1864.4	1698.3	1528.8	1349.1	1179.6	1027.1	884.7	739.0	600.0



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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°	2115.2	1959.3	1796.6	1637.3	1474.6	1298.3	1135.6	989.8	850.8	711.9	579.7
-25°	2027.1	1877.9	1725.4	1572.9	1413.5	1247.4	1088.1	945.7	813.5	681.3	555.9
-27.5°	1922.0	1783.0	1644.0	1501.7	1352.5	1193.2	1040.7	905.1	776.3	644.1	528.8
-30°	1813.5	1684.7	1559.3	1433.9	1284.7	1132.2	986.4	857.6	732.2	610.2	498.3
-32.5°	1708.4	1586.4	1471.2	1345.7	1213.5	1064.4	932.2	806.8	684.7	569.5	461.0
-35°	1603.4	1491.5	1379.6	1261.0	1128.8	993.2	871.2	749.1	637.3	528.8	430.5
-37.5°	1494.9	1393.2	1288.1	1172.9	1047.4	925.4	803.4	694.9	593.2	488.1	396.6
-40°	1383.0	1291.5	1200.0	1088.1	976.3	854.2	739.0	637.3	542.4	447.5	369.5
-42.5°	1274.6	1189.8	1101.7	1003.4	894.9	783.0	678.0	583.0	494.9	413.6	339.0
-45°	1166.1	1084.7	1003.4	915.2	810.2	705.1	616.9	532.2	450.8	376.3	308.5
-47.5°	1054.2	983.0	901.7	816.9	725.4	633.9	552.5	478.0	403.4	335.6	278.0
-50°	949.1	881.3	806.8	722.0	637.3	562.7	491.5	423.7	355.9	298.3	247.5
-52.5°	850.8	786.4	711.9	637.3	562.7	494.9	433.9	372.9	311.9	264.4	223.7
-55°	742.4	691.5	623.7	559.3	494.9	437.3	379.7	328.8	278.0	233.9	196.6
-57.5°	640.7	600.0	545.8	488.1	433.9	383.0	339.0	291.5	247.5	210.2	176.3
-60°	552.5	515.2	471.2	423.7	379.7	339.0	298.3	257.6	220.3	186.4	155.9
-62.5°	471.2	440.7	406.8	369.5	332.2	294.9	261.0	227.1	193.2	162.7	139.0
-65°	403.4	376.3	349.1	318.6	284.7	254.2	223.7	193.2	169.5	142.4	122.0
-67.5°	345.8	322.0	298.3	271.2	244.1	216.9	193.2	169.5	145.8	125.4	108.5
-70°	291.5	274.6	254.2	230.5	210.2	186.4	162.7	145.8	125.4	108.5	94.9
-72.5°	250.8	233.9	216.9	196.6	179.7	159.3	142.4	125.4	108.5	94.9	81.4
-75°	206.8	193.2	179.7	162.7	145.8	128.8	111.9	98.3	88.1	78.0	71.2
-77.5°	166.1	152.5	139.0	128.8	111.9	98.3	84.7	74.6	67.8	61.0	57.6
-80°	125.4	118.6	108.5	98.3	84.7	71.2	61.0	50.8	47.5	47.5	44.1
-82.5°	91.5	84.7	78.0	71.2	61.0	54.2	44.1	37.3	33.9	33.9	30.5
-85°	50.8	50.8	47.5	44.1	40.7	33.9	27.1	23.7	23.7	20.3	20.3
-87.5°	23.7	20.3	20.3	20.3	16.9	16.9	13.6	13.6	10.2	10.2	10.2
-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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
85°	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0
82.5°	6.8	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	0.0	0.0
80°	6.8	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4	0.0
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4	0.0
75°	6.8	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4	0.0
72.5°	3.4	3.4	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4
70°	3.4	3.4	3.4	3.4	6.8	6.8	3.4	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
57.5°	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
55°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
52.5°	10.2	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
50°	13.6	10.2	10.2	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4
47.5°	16.9	13.6	10.2	10.2	6.8	6.8	3.4	3.4	3.4	3.4	3.4
45°	30.5	16.9	13.6	10.2	10.2	6.8	6.8	3.4	3.4	3.4	3.4
42.5°	44.1	27.1	16.9	13.6	10.2	6.8	6.8	3.4	3.4	3.4	3.4
40°	61.0	40.7	23.7	16.9	10.2	10.2	6.8	6.8	3.4	3.4	3.4
37.5°	81.4	54.2	33.9	20.3	13.6	10.2	10.2	6.8	3.4	3.4	3.4
35°	108.5	71.2	44.1	27.1	16.9	13.6	10.2	6.8	6.8	3.4	3.4
32.5°	142.4	91.5	57.6	33.9	20.3	13.6	10.2	6.8	6.8	3.4	3.4
30°	172.9	111.9	74.6	44.1	27.1	16.9	10.2	10.2	6.8	3.4	3.4
27.5°	206.8	142.4	88.1	54.2	33.9	20.3	13.6	10.2	6.8	3.4	3.4
25°	237.3	166.1	108.5	64.4	40.7	23.7	13.6	10.2	6.8	6.8	3.4
22.5°	267.8	189.8	125.4	78.0	47.5	27.1	16.9	10.2	6.8	6.8	3.4
20°	301.7	216.9	145.8	91.5	57.6	33.9	16.9	10.2	10.2	6.8	3.4
17.5°	332.2	244.1	166.1	105.1	64.4	37.3	20.3	13.6	10.2	6.8	3.4
15°	362.7	267.8	186.4	118.6	71.2	44.1	23.7	13.6	10.2	6.8	3.4
12.5°	389.8	291.5	203.4	128.8	81.4	47.5	27.1	13.6	10.2	6.8	3.4
10°	416.9	311.9	216.9	142.4	88.1	50.8	30.5	16.9	10.2	6.8	3.4
7.5°	444.1	332.2	230.5	152.5	94.9	57.6	30.5	16.9	10.2	6.8	3.4
5°	457.6	345.8	240.7	162.7	101.7	61.0	37.3	16.9	10.2	6.8	3.4
2.5°	471.2	362.7	250.8	172.9	108.5	61.0	37.3	20.3	10.2	6.8	3.4
0°	478.0	372.9	257.6	179.7	111.9	64.4	40.7	20.3	10.2	6.8	3.4
-2.5°	494.9	383.0	267.8	186.4	118.6	71.2	44.1	23.7	10.2	6.8	3.4
-5°	505.1	389.8	278.0	189.8	125.4	78.0	44.1	23.7	13.6	6.8	3.4
-7.5°	511.9	393.2	281.4	193.2	128.8	81.4	44.1	27.1	13.6	6.8	3.4
-10°	511.9	393.2	284.7	196.6	132.2	84.7	47.5	27.1	13.6	6.8	3.4
-12.5°	508.5	389.8	284.7	196.6	135.6	84.7	47.5	27.1	13.6	6.8	3.4
-15°	501.7	386.4	281.4	196.6	135.6	84.7	47.5	30.5	13.6	6.8	3.4
-17.5°	491.5	376.3	278.0	193.2	132.2	84.7	50.8	30.5	13.6	10.2	3.4
-20°	478.0	366.1	271.2	189.8	128.8	84.7	50.8	30.5	13.6	10.2	6.8



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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°	461.0	352.5	261.0	183.0	125.4	81.4	50.8	30.5	16.9	10.2	6.8
-25°	440.7	339.0	250.8	172.9	122.0	78.0	50.8	30.5	16.9	10.2	6.8
-27.5°	416.9	322.0	237.3	166.1	115.3	78.0	50.8	30.5	16.9	10.2	6.8
-30°	389.8	305.1	223.7	159.3	111.9	74.6	47.5	27.1	16.9	10.2	3.4
-32.5°	369.5	288.1	210.2	149.2	108.5	71.2	47.5	27.1	16.9	10.2	6.8
-35°	345.8	271.2	200.0	142.4	101.7	67.8	44.1	27.1	16.9	10.2	6.8
-37.5°	322.0	250.8	189.8	139.0	98.3	64.4	44.1	27.1	16.9	10.2	6.8
-40°	301.7	233.9	176.3	128.8	91.5	61.0	40.7	27.1	16.9	10.2	6.8
-42.5°	278.0	216.9	166.1	122.0	84.7	57.6	37.3	27.1	16.9	10.2	6.8
-45°	254.2	200.0	152.5	111.9	78.0	54.2	37.3	23.7	16.9	10.2	6.8
-47.5°	227.1	183.0	139.0	101.7	74.6	50.8	33.9	23.7	16.9	10.2	6.8
-50°	206.8	162.7	125.4	91.5	67.8	50.8	33.9	23.7	16.9	10.2	6.8
-52.5°	183.0	145.8	111.9	84.7	64.4	47.5	33.9	23.7	16.9	10.2	6.8
-55°	162.7	128.8	101.7	78.0	61.0	44.1	33.9	23.7	16.9	10.2	6.8
-57.5°	145.8	115.3	91.5	74.6	57.6	44.1	30.5	20.3	13.6	10.2	6.8
-60°	128.8	105.1	84.7	71.2	54.2	40.7	30.5	20.3	13.6	10.2	6.8
-62.5°	115.3	94.9	78.0	64.4	50.8	37.3	27.1	20.3	13.6	10.2	6.8
-65°	101.7	88.1	71.2	61.0	47.5	37.3	27.1	16.9	13.6	6.8	6.8
-67.5°	91.5	78.0	64.4	54.2	44.1	33.9	27.1	16.9	10.2	6.8	6.8
-70°	81.4	67.8	57.6	50.8	40.7	30.5	23.7	16.9	10.2	6.8	6.8
-72.5°	71.2	61.0	54.2	44.1	37.3	27.1	20.3	13.6	10.2	6.8	6.8
-75°	64.4	54.2	47.5	40.7	33.9	23.7	16.9	13.6	6.8	6.8	3.4
-77.5°	54.2	44.1	37.3	33.9	27.1	20.3	16.9	10.2	6.8	6.8	3.4
-80°	40.7	33.9	30.5	27.1	23.7	16.9	13.6	10.2	6.8	3.4	3.4
-82.5°	30.5	27.1	23.7	20.3	16.9	13.6	10.2	6.8	6.8	3.4	3.4
-85°	20.3	16.9	13.6	13.6	10.2	10.2	6.8	3.4	3.4	3.4	3.4
-87.5°	10.2	10.2	6.8	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0
-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°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
60°	3.4	0.0	0.0	0.0
57.5°	3.4	0.0	0.0	0.0
55°	3.4	0.0	0.0	0.0
52.5°	3.4	0.0	0.0	0.0
50°	3.4	0.0	0.0	0.0
47.5°	3.4	0.0	0.0	0.0
45°	3.4	0.0	0.0	0.0
42.5°	3.4	0.0	0.0	0.0
40°	3.4	3.4	0.0	0.0
37.5°	3.4	3.4	0.0	0.0
35°	3.4	3.4	0.0	0.0
32.5°	3.4	3.4	0.0	0.0
30°	3.4	3.4	0.0	0.0
27.5°	3.4	3.4	0.0	0.0
25°	3.4	3.4	0.0	0.0
22.5°	3.4	3.4	0.0	0.0
20°	3.4	3.4	0.0	0.0
17.5°	3.4	3.4	0.0	0.0
15°	3.4	3.4	0.0	0.0
12.5°	3.4	3.4	0.0	0.0
10°	3.4	3.4	0.0	0.0
7.5°	3.4	3.4	0.0	0.0
5°	3.4	3.4	0.0	0.0
2.5°	3.4	3.4	0.0	0.0
0°	3.4	3.4	0.0	0.0
-2.5°	3.4	3.4	0.0	0.0
-5°	3.4	3.4	0.0	0.0
-7.5°	3.4	3.4	0.0	0.0
-10°	3.4	3.4	0.0	0.0
-12.5°	3.4	3.4	0.0	0.0
-15°	3.4	3.4	0.0	0.0
-17.5°	3.4	3.4	0.0	0.0
-20°	3.4	3.4	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	3.4	3.4	0.0	0.0
-25°	3.4	3.4	0.0	0.0
-27.5°	3.4	3.4	0.0	0.0
-30°	3.4	3.4	0.0	0.0
-32.5°	3.4	3.4	0.0	0.0
-35°	3.4	3.4	0.0	0.0
-37.5°	3.4	3.4	0.0	0.0
-40°	3.4	3.4	0.0	0.0
-42.5°	3.4	3.4	0.0	0.0
-45°	3.4	3.4	0.0	0.0
-47.5°	3.4	3.4	0.0	0.0
-50°	3.4	3.4	0.0	0.0
-52.5°	3.4	3.4	0.0	0.0
-55°	3.4	3.4	0.0	0.0
-57.5°	3.4	3.4	0.0	0.0
-60°	3.4	3.4	0.0	0.0
-62.5°	3.4	3.4	0.0	0.0
-65°	3.4	3.4	0.0	0.0
-67.5°	3.4	3.4	0.0	0.0
-70°	3.4	3.4	0.0	0.0
-72.5°	3.4	3.4	0.0	0.0
-75°	3.4	0.0	0.0	0.0
-77.5°	3.4	0.0	0.0	0.0
-80°	3.4	0.0	0.0	0.0
-82.5°	0.0	0.0	0.0	0.0
-85°	0.0	0.0	0.0	0.0
-87.5°	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)