

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: P722024

Luminaire Tested: **IFLD-S-SA3C-730-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722024
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-730-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

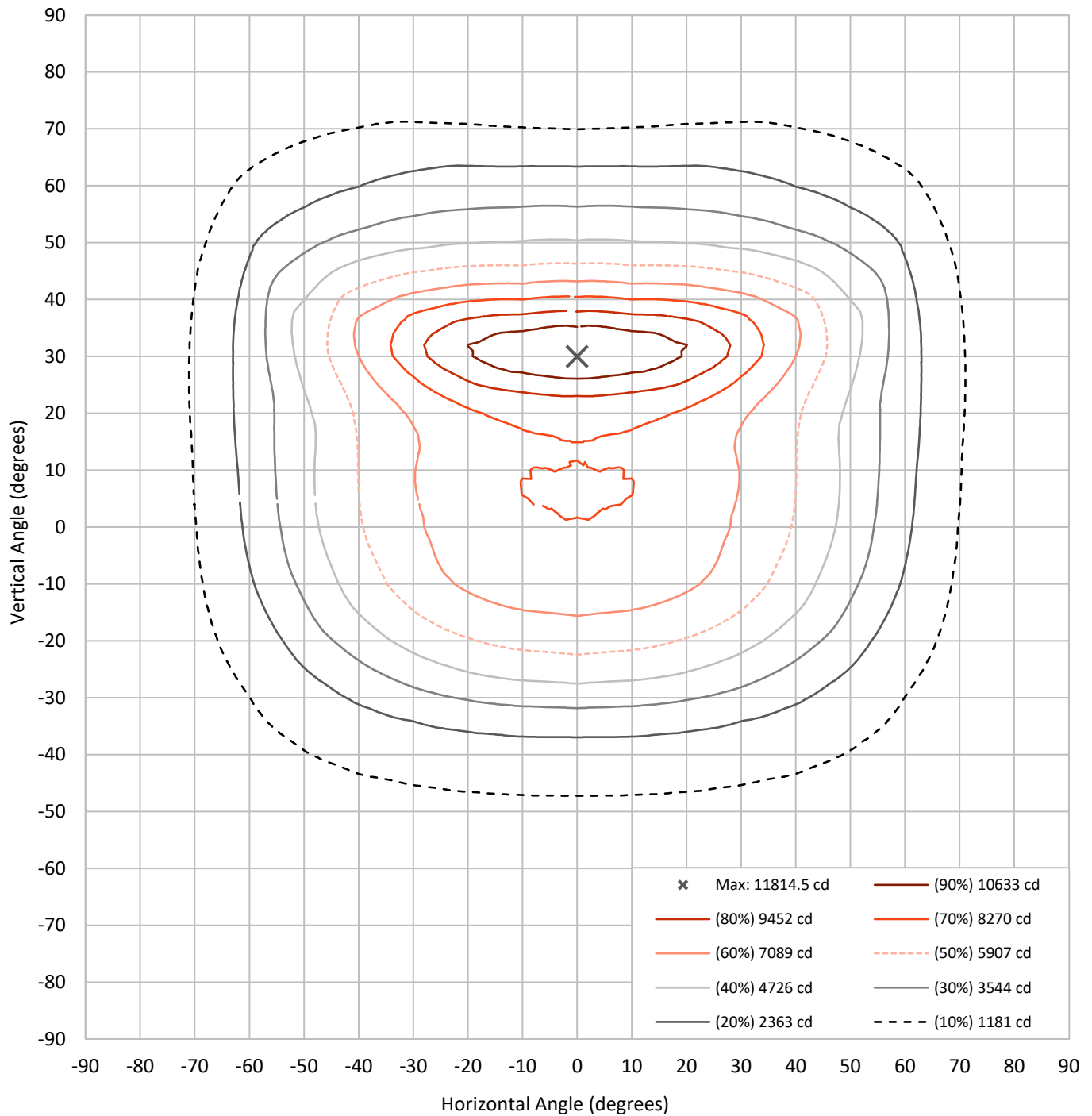
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	19721.3 lumens	Max Intensity:	11814.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	122.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	11468.2 lumens	Field Lumens:	18481.4 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 160.8
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



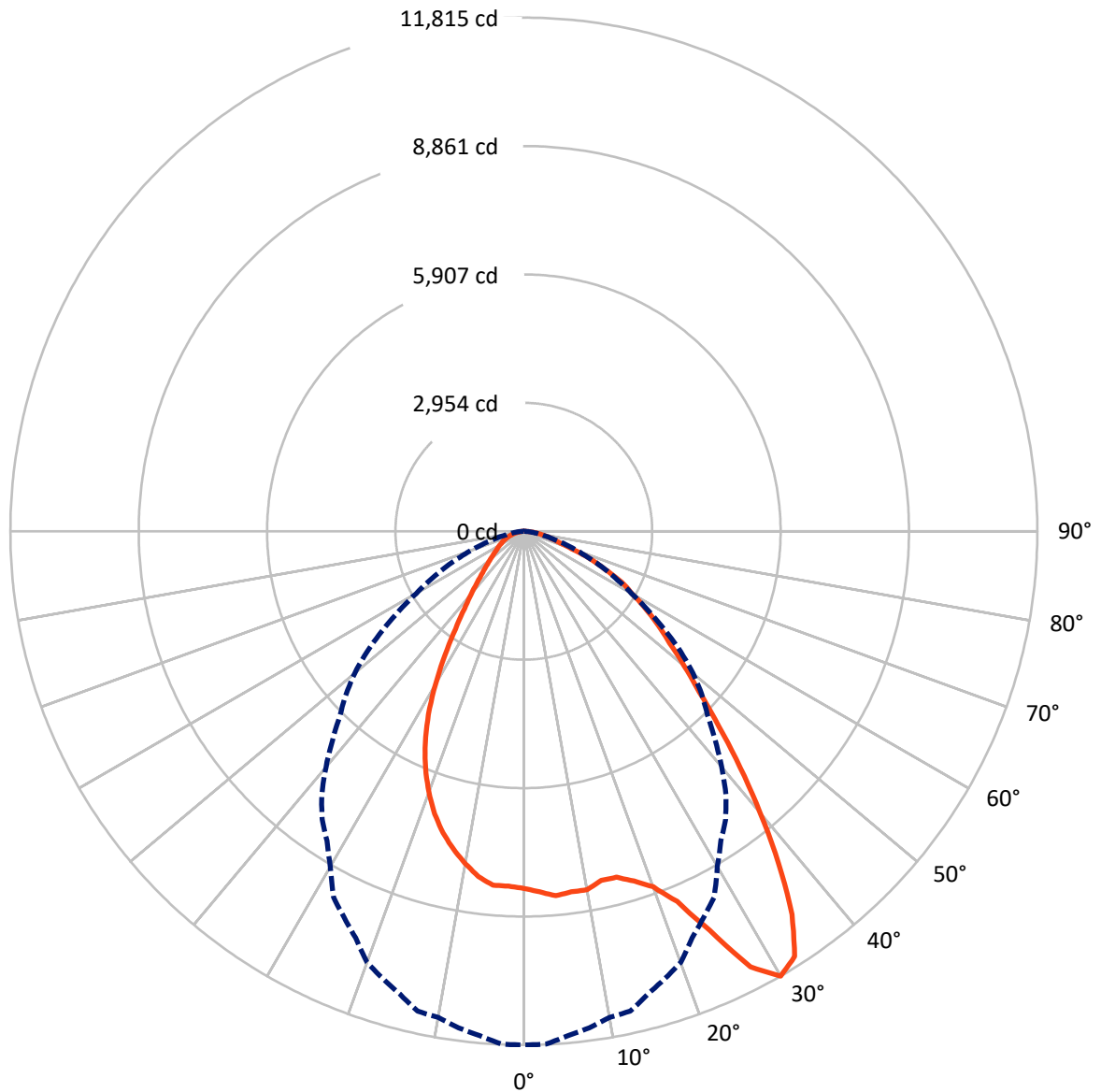
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Iso-Candela Plot



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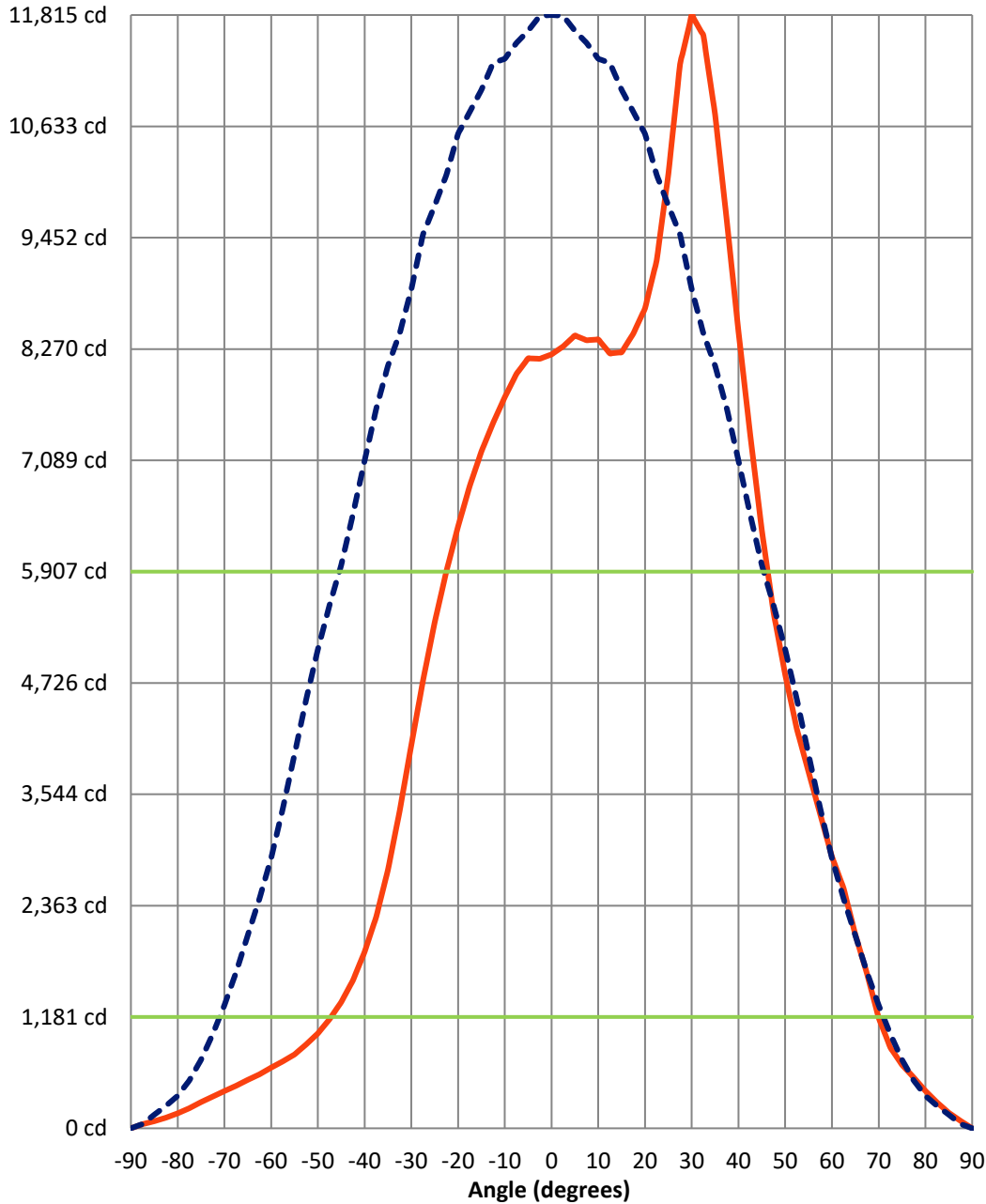
Luminous Intensity Polar Plot



— 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: 11468.2
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 18481.4
 Efficiency: 93.7%

Spill:
 Lumens: 1239.9
 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°	79.4	81.5	83.6	83.6	81.5	81.5	81.5	79.4	81.5	81.5	81.5
85°	165.0	169.2	173.4	171.3	169.2	165.0	160.9	163.0	165.0	167.1	167.1
82.5°	273.7	280.0	284.1	282.0	277.9	273.7	269.5	271.6	275.8	277.9	277.9
80°	396.9	399.0	401.1	405.3	399.0	399.0	396.9	405.3	409.5	413.7	417.8
77.5°	539.0	541.1	541.1	543.2	545.3	547.4	547.4	562.0	572.4	578.7	585.0
75°	672.7	679.0	685.3	691.5	699.9	704.1	710.3	731.2	747.9	760.5	773.0
72.5°	856.6	864.9	875.4	890.0	904.6	915.1	929.7	954.8	973.6	986.1	1000.7
70°	1172.0	1180.4	1190.8	1201.3	1215.9	1226.4	1241.0	1272.3	1291.1	1299.5	1307.8
67.5°	1640.0	1660.9	1679.7	1658.8	1648.4	1633.8	1637.9	1667.2	1686.0	1698.5	1696.4
65°	2055.8	2070.4	2070.4	2068.3	2060.0	2041.2	2051.6	2087.1	2108.0	2118.5	2087.1
62.5°	2544.7	2544.7	2534.2	2550.9	2553.0	2540.5	2534.2	2536.3	2538.4	2544.7	2492.4
60°	2883.1	2904.0	2910.3	2924.9	2929.1	2929.1	2939.5	2947.9	2947.9	2935.3	2874.8
57.5°	3330.2	3369.9	3378.3	3367.8	3346.9	3319.8	3315.6	3303.0	3278.0	3252.9	3223.7
55°	3781.5	3802.4	3800.3	3794.0	3773.1	3741.8	3746.0	3729.2	3689.5	3658.2	3618.5
52.5°	4234.8	4285.0	4293.3	4280.8	4251.5	4218.1	4220.2	4201.4	4161.7	4128.3	4074.0
50°	4813.5	4855.3	4851.1	4830.3	4788.5	4763.4	4765.5	4730.0	4684.0	4673.6	4602.5
47.5°	5475.8	5523.9	5515.5	5486.3	5429.9	5419.4	5429.9	5383.9	5356.7	5333.8	5250.2
45°	6344.9	6401.3	6370.0	6313.6	6223.8	6234.2	6248.8	6240.5	6182.0	6121.4	6014.8
42.5°	7364.5	7400.0	7362.4	7306.0	7193.1	7214.0	7205.7	7155.5	7120.0	7019.7	6883.9
40°	8455.0	8532.3	8473.8	8386.1	8269.1	8300.4	8277.4	8212.7	8129.1	8003.8	7832.4
37.5°	9631.3	9691.8	9625.0	9522.6	9418.2	9407.7	9361.7	9261.5	9142.4	9004.5	8730.8
35°	10757.3	10914.0	10790.8	10627.8	10500.4	10452.3	10408.4	10176.5	10040.7	9817.2	9443.2
32.5°	11595.1	11710.0	11557.5	11388.3	11233.7	11166.8	11012.2	10736.4	10663.3	10193.3	9850.6
30°	11814.5	11806.1	11647.3	11517.8	11350.7	11304.7	11020.6	10786.6	10552.6	10118.0	9792.1
27.5°	11292.2	11239.9	11087.4	10974.6	10809.6	10755.2	10475.3	10349.9	9988.5	9620.8	9345.0
25°	10128.5	10155.6	10040.7	9984.3	9875.7	9758.7	9648.0	9478.7	9253.1	8931.4	8678.6
22.5°	9211.3	9246.8	9198.8	9131.9	9048.4	8983.6	8900.0	8768.4	8551.1	8352.7	8114.5
20°	8701.6	8691.1	8649.3	8599.2	8519.8	8473.8	8381.9	8271.2	8104.0	7932.7	7675.8
17.5°	8434.1	8369.4	8329.7	8310.9	8269.1	8210.6	8102.0	7989.1	7859.6	7665.3	7477.3
15°	8235.7	8246.1	8214.8	8200.1	8166.7	8085.2	7974.5	7882.6	7707.1	7608.9	7437.6
12.5°	8223.1	8212.7	8214.8	8208.5	8166.7	8062.3	8005.9	7888.9	7776.0	7646.5	7450.1
10°	8371.5	8260.7	8269.1	8298.3	8231.5	8147.9	8087.3	7959.9	7853.3	7688.3	7494.0
7.5°	8363.1	8306.7	8323.4	8275.4	8296.3	8193.9	8110.3	7982.9	7849.2	7673.7	7498.2
5°	8413.2	8327.6	8313.0	8317.1	8264.9	8187.6	8074.8	7953.6	7828.3	7631.9	7452.2
2.5°	8298.3	8310.9	8244.0	8218.9	8212.7	8083.2	7978.7	7861.7	7732.2	7558.8	7397.9
0°	8212.7	8235.7	8166.7	8131.2	8129.1	8018.4	7951.5	7817.8	7725.9	7581.7	7387.4
-2.5°	8166.7	8193.9	8202.2	8137.5	8074.8	7989.1	7876.3	7732.2	7581.7	7414.6	7247.5
-5°	8170.9	8116.6	8093.6	8114.5	8060.2	7974.5	7849.2	7721.7	7573.4	7393.7	7184.8
-7.5°	8005.9	7951.5	7947.4	7936.9	7924.4	7842.9	7738.4	7600.5	7450.1	7283.0	7088.7
-10°	7759.3	7719.6	7709.2	7698.7	7665.3	7617.3	7519.1	7393.7	7257.9	7090.8	6883.9
-12.5°	7485.6	7466.8	7427.1	7400.0	7366.6	7310.1	7216.1	7101.2	6965.4	6817.1	6639.5
-15°	7182.7	7147.2	7107.5	7084.5	7036.5	6969.6	6875.6	6769.0	6620.7	6474.5	6307.3
-17.5°	6817.1	6773.2	6729.3	6723.1	6689.6	6587.3	6499.5	6370.0	6240.5	6100.5	5937.5
-20°	6386.7	6326.1	6296.9	6280.2	6234.2	6159.0	6065.0	5945.9	5820.5	5686.8	5498.8



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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°	5910.4	5858.1	5808.0	5776.7	5737.0	5678.5	5588.6	5484.2	5360.9	5210.5	5037.1
-25°	5369.3	5296.1	5264.8	5229.3	5208.4	5154.1	5066.3	4970.2	4842.8	4696.5	4531.5
-27.5°	4750.9	4692.4	4675.7	4625.5	4600.4	4544.0	4470.9	4381.1	4264.1	4126.2	3990.4
-30°	4067.7	4032.2	4005.0	3954.9	3936.1	3875.5	3827.4	3752.2	3645.7	3547.5	3438.8
-32.5°	3365.7	3330.2	3321.8	3298.9	3286.3	3246.6	3192.3	3138.0	3052.3	2979.2	2891.5
-35°	2743.1	2718.1	2720.2	2718.1	2705.5	2676.3	2609.4	2594.8	2532.1	2465.3	2408.9
-37.5°	2245.9	2248.0	2245.9	2243.8	2227.1	2214.6	2166.5	2147.7	2110.1	2045.3	2011.9
-40°	1871.9	1876.1	1874.0	1869.8	1851.0	1844.8	1813.4	1788.4	1773.7	1727.8	1692.3
-42.5°	1569.0	1575.3	1573.2	1571.1	1558.6	1556.5	1539.7	1510.5	1502.1	1475.0	1437.4
-45°	1339.2	1337.1	1332.9	1337.1	1330.8	1324.6	1314.1	1295.3	1284.9	1272.3	1241.0
-47.5°	1157.4	1159.5	1155.3	1155.3	1147.0	1140.7	1136.5	1124.0	1115.6	1105.2	1086.4
-50°	1007.0	1015.4	1013.3	1011.2	1004.9	1000.7	1000.7	988.2	975.7	971.5	958.9
-52.5°	890.0	896.3	898.4	902.5	904.6	906.7	900.4	887.9	867.0	864.9	858.7
-55°	783.5	802.3	814.8	823.1	831.5	837.8	825.2	808.5	787.6	779.3	777.2
-57.5°	710.3	729.1	743.8	756.3	766.7	777.2	764.7	747.9	729.1	718.7	716.6
-60°	643.5	660.2	674.8	691.5	706.2	722.9	716.6	704.1	693.6	685.3	676.9
-62.5°	572.4	589.2	605.9	626.8	645.6	662.3	664.4	662.3	660.2	662.3	647.7
-65°	513.9	522.3	532.7	555.7	576.6	595.4	605.9	612.1	622.6	633.0	618.4
-67.5°	451.3	461.7	474.3	491.0	507.7	520.2	534.8	551.6	568.3	585.0	574.5
-70°	394.9	403.2	413.7	422.0	432.5	440.8	453.4	472.2	491.0	507.7	503.5
-72.5°	336.4	344.7	351.0	355.2	361.4	365.6	371.9	388.6	401.1	409.5	409.5
-75°	277.9	286.2	292.5	294.6	298.8	300.8	305.0	311.3	317.6	319.6	321.7
-77.5°	213.1	221.5	227.7	231.9	236.1	240.3	242.3	246.5	248.6	248.6	250.7
-80°	158.8	165.0	169.2	175.5	177.6	181.8	185.9	188.0	190.1	190.1	192.2
-82.5°	112.8	117.0	121.2	125.4	129.5	131.6	135.8	137.9	140.0	142.1	144.2
-85°	75.2	79.4	83.6	87.7	89.8	91.9	94.0	96.1	98.2	100.3	102.4
-87.5°	43.9	46.0	48.1	52.2	54.3	58.5	60.6	58.5	60.6	60.6	60.6
-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):

	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°	81.5	81.5	81.5	81.5	79.4	75.2	73.1	68.9	64.8	60.6	56.4
85°	169.2	171.3	171.3	171.3	167.1	165.0	158.8	152.5	144.2	131.6	121.2
82.5°	282.0	284.1	284.1	282.0	277.9	271.6	263.2	252.8	236.1	219.4	204.7
80°	424.1	426.2	426.2	424.1	413.7	403.2	392.8	380.2	359.3	336.4	311.3
77.5°	593.3	597.5	597.5	591.2	576.6	564.1	547.4	526.5	495.1	461.7	428.3
75°	789.7	800.2	802.3	796.0	777.2	754.2	727.0	691.5	643.5	601.7	562.0
72.5°	1017.4	1027.9	1036.2	1027.9	1000.7	969.4	929.7	887.9	839.9	783.5	716.6
70°	1316.2	1326.6	1332.9	1305.8	1257.7	1205.5	1157.4	1109.4	1053.0	984.0	910.9
67.5°	1692.3	1681.8	1669.3	1615.0	1554.4	1491.7	1424.8	1353.8	1280.7	1207.6	1121.9
65°	2053.7	2024.4	1997.3	1932.5	1855.2	1773.7	1696.4	1617.0	1529.3	1437.4	1355.9
62.5°	2433.9	2371.3	2304.4	2225.0	2145.6	2055.8	1978.5	1884.5	1786.3	1673.5	1569.0
60°	2807.9	2732.7	2665.8	2567.6	2463.2	2342.0	2258.4	2166.5	2051.6	1930.4	1807.2
57.5°	3169.3	3087.9	3014.7	2929.1	2816.3	2684.6	2592.7	2473.6	2352.4	2199.9	2074.6
55°	3553.7	3472.3	3413.8	3317.7	3194.4	3073.2	2972.9	2847.6	2678.4	2515.4	2360.8
52.5°	3994.6	3929.8	3867.1	3768.9	3620.6	3497.3	3386.6	3246.6	3069.0	2868.5	2682.5
50°	4487.6	4454.2	4387.3	4272.4	4103.2	3994.6	3848.3	3662.4	3472.3	3261.3	3029.4
47.5°	5141.5	5087.2	4993.2	4867.9	4725.8	4562.8	4366.4	4149.2	3879.7	3645.7	3399.1
45°	5922.9	5822.6	5701.5	5532.2	5356.7	5172.9	4957.7	4681.9	4320.5	4015.5	3756.4
42.5°	6769.0	6633.2	6468.2	6246.7	6019.0	5793.4	5561.5	5185.4	4734.1	4383.2	4090.7
40°	7652.8	7479.4	7272.5	6950.8	6698.0	6407.6	6142.3	5580.3	5099.8	4719.5	4408.2
37.5°	8517.7	8298.3	7951.5	7560.8	7266.3	7028.1	6445.2	5843.5	5413.1	4995.3	4679.8
35°	9180.0	8994.0	8381.9	7976.6	7723.8	7347.7	6618.6	6002.3	5546.9	5200.0	4709.1
32.5°	9572.8	9092.2	8555.3	8145.8	7936.9	7320.6	6631.2	6048.3	5609.5	5220.9	4633.9
30°	9485.0	8904.2	8434.1	8091.5	7638.1	7084.5	6514.2	5977.2	5551.0	5081.0	4550.3
27.5°	8956.4	8507.3	8087.3	7730.1	7285.1	6787.8	6261.4	5789.2	5392.2	4936.8	4435.4
25°	8358.9	7951.5	7640.2	7328.9	6906.9	6432.7	5968.9	5628.3	5229.3	4780.1	4285.0
22.5°	7809.5	7517.0	7272.5	6946.6	6535.0	6121.4	5833.1	5480.0	5070.5	4615.1	4130.4
20°	7458.5	7260.0	6980.0	6620.7	6296.9	6037.8	5718.2	5344.2	4922.2	4445.8	3998.7
17.5°	7289.3	7059.4	6748.1	6514.2	6265.5	5981.4	5624.2	5227.2	4778.0	4368.5	4013.4
15°	7201.5	6959.2	6754.4	6524.6	6244.6	5945.9	5548.9	5137.4	4778.0	4399.9	4023.8
12.5°	7220.3	7011.4	6787.8	6537.1	6236.3	5916.6	5557.3	5175.0	4803.1	4422.9	4025.9
10°	7278.8	7059.4	6821.3	6543.4	6240.5	5925.0	5580.3	5198.0	4815.6	4433.3	4021.7
7.5°	7299.7	7061.5	6806.6	6526.7	6230.0	5920.8	5584.5	5204.2	4817.7	4431.2	4009.2
5°	7234.9	7019.7	6773.2	6491.2	6200.8	5899.9	5567.7	5195.9	4801.0	4410.3	3977.9
2.5°	7147.2	6973.8	6737.7	6466.1	6171.5	5870.7	5540.6	5158.3	4763.4	4372.7	3938.2
0°	7132.6	6917.4	6679.2	6436.9	6123.5	5805.9	5477.9	5087.2	4694.5	4301.7	3869.2
-2.5°	7036.5	6808.7	6570.6	6307.3	6031.5	5711.9	5367.2	4984.9	4596.3	4209.8	3794.0
-5°	6963.3	6710.5	6457.7	6173.6	5895.7	5576.1	5218.8	4847.0	4466.7	4090.7	3689.5
-7.5°	6865.1	6606.1	6340.8	6044.1	5743.2	5417.3	5064.2	4692.4	4318.4	3944.4	3560.0
-10°	6666.7	6438.9	6190.3	5883.2	5565.7	5239.7	4888.7	4523.1	4149.2	3771.0	3384.5
-12.5°	6426.4	6186.1	5914.6	5632.5	5348.4	5045.4	4694.5	4335.1	3959.1	3578.8	3194.4
-15°	6115.1	5879.0	5601.2	5325.4	5051.7	4761.3	4452.1	4128.3	3746.0	3372.0	2987.6
-17.5°	5726.5	5505.1	5256.5	4993.2	4721.6	4429.1	4128.3	3854.6	3497.3	3146.3	2766.1
-20°	5308.7	5101.8	4878.3	4629.7	4358.1	4071.9	3787.7	3501.5	3192.3	2883.1	2530.0



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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°	4874.1	4665.2	4439.6	4207.7	3957.0	3691.6	3428.4	3154.7	2883.1	2603.2	2304.4
-25°	4372.7	4188.9	3982.0	3756.4	3532.9	3301.0	3050.2	2801.6	2569.7	2327.4	2082.9
-27.5°	3848.3	3679.1	3491.1	3294.7	3102.5	2908.2	2690.9	2461.1	2268.9	2068.3	1865.7
-30°	3296.8	3161.0	3008.5	2837.1	2688.8	2532.1	2350.4	2160.2	1984.7	1832.2	1669.3
-32.5°	2774.5	2659.6	2550.9	2438.1	2291.9	2170.7	2045.3	1905.4	1750.8	1606.6	1489.6
-35°	2325.3	2202.0	2156.1	2072.5	1968.0	1861.5	1769.6	1669.3	1552.3	1424.8	1328.7
-37.5°	1947.1	1874.0	1809.3	1763.3	1694.3	1608.7	1535.6	1462.4	1372.6	1276.5	1180.4
-40°	1652.6	1602.4	1531.4	1508.4	1464.5	1406.0	1330.8	1274.4	1213.8	1140.7	1059.2
-42.5°	1416.5	1378.9	1332.9	1293.2	1274.4	1232.6	1174.1	1119.8	1071.8	1021.6	958.9
-45°	1222.2	1197.1	1167.9	1132.4	1117.7	1084.3	1042.5	981.9	954.8	913.0	867.0
-47.5°	1065.5	1053.0	1032.1	1009.1	988.2	963.1	925.5	887.9	850.3	823.1	787.6
-50°	942.2	933.9	921.3	902.5	875.4	858.7	833.6	800.2	764.7	741.7	716.6
-52.5°	844.0	835.7	827.3	812.7	791.8	775.1	754.2	727.0	697.8	674.8	653.9
-55°	768.8	756.3	750.0	737.5	720.8	702.0	683.2	664.4	639.3	618.4	597.5
-57.5°	710.3	693.6	685.3	674.8	658.1	639.3	624.7	605.9	589.2	566.2	547.4
-60°	664.4	645.6	628.9	618.4	603.8	585.0	570.4	555.7	539.0	520.2	497.2
-62.5°	626.8	603.8	580.8	568.3	553.6	536.9	522.3	507.7	491.0	472.2	451.3
-65°	591.2	564.1	534.8	522.3	507.7	491.0	472.2	461.7	447.1	430.4	409.5
-67.5°	547.4	518.1	493.1	478.4	463.8	449.2	432.5	422.0	407.4	386.5	365.6
-70°	482.6	463.8	447.1	434.6	422.0	409.5	392.8	376.1	359.3	340.5	321.7
-72.5°	401.1	394.9	392.8	386.5	371.9	357.3	340.5	323.8	309.2	294.6	280.0
-75°	323.8	328.0	332.2	330.1	315.5	300.8	286.2	271.6	261.2	248.6	236.1
-77.5°	257.0	261.2	265.3	265.3	254.9	246.5	236.1	225.6	217.3	206.8	194.3
-80°	198.5	204.7	211.0	215.2	206.8	200.6	192.2	183.9	175.5	167.1	158.8
-82.5°	150.4	156.7	163.0	167.1	160.9	156.7	150.4	144.2	137.9	129.5	123.3
-85°	108.6	112.8	117.0	119.1	114.9	110.7	106.5	102.4	98.2	91.9	87.7
-87.5°	62.7	64.8	66.9	68.9	64.8	60.6	58.5	54.3	52.2	48.1	46.0
-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°	52.2	48.1	43.9	41.8	37.6	31.3	27.2	23.0	18.8	14.6	12.5
85°	110.7	100.3	87.7	81.5	73.1	64.8	56.4	48.1	39.7	31.3	23.0
82.5°	190.1	177.6	165.0	150.4	131.6	108.6	85.7	71.0	58.5	46.0	35.5
80°	286.2	263.2	242.3	223.5	202.7	173.4	142.1	112.8	79.4	60.6	46.0
77.5°	396.9	369.8	340.5	309.2	275.8	236.1	200.6	163.0	123.3	83.6	58.5
75°	522.3	486.8	447.1	403.2	359.3	307.1	257.0	213.1	167.1	117.0	71.0
72.5°	662.3	618.4	570.4	511.9	442.9	382.3	321.7	263.2	208.9	148.3	96.1
70°	842.0	773.0	702.0	639.3	551.6	455.4	384.4	317.6	248.6	181.8	121.2
67.5°	1034.2	950.6	864.9	773.0	662.3	549.5	447.1	371.9	290.4	213.1	144.2
65°	1243.1	1138.6	1030.0	927.6	775.1	641.4	526.5	424.1	330.1	242.3	167.1
62.5°	1458.3	1335.0	1209.7	1075.9	900.4	735.4	601.7	482.6	367.7	269.5	188.0
60°	1688.1	1543.9	1391.4	1224.3	1019.5	837.8	672.7	543.2	407.4	296.7	211.0
57.5°	1930.4	1773.7	1594.1	1368.4	1142.8	936.0	754.2	597.5	442.9	321.7	227.7
55°	2193.7	2014.0	1817.6	1518.9	1264.0	1034.2	835.7	651.8	480.5	342.6	244.4
52.5°	2477.8	2268.9	2020.3	1677.6	1391.4	1134.4	910.9	699.9	516.0	365.6	259.1
50°	2795.4	2532.1	2197.8	1823.9	1502.1	1228.5	986.1	752.1	545.3	390.7	271.6
47.5°	3125.5	2841.3	2356.6	1959.7	1615.0	1320.4	1063.4	798.1	574.5	411.6	284.1
45°	3470.2	3056.5	2521.7	2080.9	1713.2	1403.9	1121.9	839.9	610.0	430.4	294.6
42.5°	3810.7	3219.5	2665.8	2202.0	1805.1	1479.2	1170.0	879.6	639.3	449.2	305.0
40°	3971.6	3342.7	2780.7	2285.6	1882.4	1546.0	1211.7	915.1	664.4	461.7	315.5
37.5°	4038.4	3417.9	2855.9	2365.0	1943.0	1581.5	1247.3	946.4	685.3	474.3	323.8
35°	4053.1	3445.1	2893.6	2419.3	1993.1	1615.0	1274.4	969.4	702.0	486.8	332.2
32.5°	4025.9	3436.7	2904.0	2438.1	2024.4	1640.0	1293.2	986.1	714.5	499.3	340.5
30°	3965.3	3392.9	2866.4	2436.0	2047.4	1654.7	1305.8	998.6	727.0	507.7	344.7
27.5°	3867.1	3315.6	2818.3	2438.1	2060.0	1660.9	1312.0	1004.9	735.4	513.9	353.1
25°	3746.0	3211.1	2820.4	2433.9	2062.0	1663.0	1312.0	1004.9	737.5	516.0	359.3
22.5°	3606.0	3211.1	2820.4	2427.7	2049.5	1658.8	1305.8	1000.7	737.5	520.2	365.6
20°	3614.3	3213.2	2814.2	2415.1	2030.7	1646.3	1291.1	990.3	731.2	526.5	369.8
17.5°	3620.6	3209.0	2801.6	2398.4	2005.6	1625.4	1272.3	975.7	731.2	532.7	371.9
15°	3620.6	3196.5	2782.8	2373.3	1974.3	1596.2	1245.2	963.1	733.3	534.8	376.1
12.5°	3614.3	3173.5	2753.6	2339.9	1936.7	1560.6	1228.5	958.9	733.3	536.9	376.1
10°	3601.8	3142.2	2716.0	2298.1	1901.2	1548.1	1220.1	950.6	729.1	536.9	376.1
7.5°	3578.8	3104.6	2684.6	2273.1	1880.3	1533.5	1207.6	938.1	722.9	532.7	380.2
5°	3543.3	3083.7	2659.6	2243.8	1851.0	1523.0	1199.2	927.6	718.7	532.7	376.1
2.5°	3497.3	3058.6	2630.3	2206.2	1817.6	1487.5	1172.0	904.6	704.1	524.4	371.9
0°	3422.1	3008.5	2580.2	2154.0	1771.6	1452.0	1144.9	881.6	689.4	516.0	367.7
-2.5°	3353.2	2941.6	2515.4	2099.7	1727.8	1420.7	1124.0	869.1	683.2	513.9	365.6
-5°	3257.1	2849.7	2429.8	2028.6	1669.3	1389.3	1103.1	854.5	676.9	509.8	365.6
-7.5°	3150.5	2753.6	2339.9	1955.5	1610.8	1335.0	1063.4	831.5	662.3	501.4	363.5
-10°	2985.5	2609.4	2227.1	1871.9	1548.1	1287.0	1030.0	810.6	649.7	493.1	355.2
-12.5°	2810.0	2450.6	2097.6	1769.6	1477.1	1236.8	992.4	787.6	635.1	484.7	351.0
-15°	2624.0	2287.7	1961.8	1663.0	1399.8	1176.2	952.7	762.6	620.5	474.3	344.7
-17.5°	2429.8	2116.4	1821.8	1554.4	1322.5	1113.5	910.9	739.6	603.8	463.8	338.5
-20°	2225.0	1940.9	1679.7	1443.6	1241.0	1050.9	867.0	712.4	585.0	451.3	330.1



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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°	2022.4	1767.5	1533.5	1335.0	1157.4	986.1	823.1	685.3	564.1	436.6	323.8
-25°	1842.7	1604.5	1403.9	1230.5	1075.9	923.4	777.2	658.1	541.1	422.0	315.5
-27.5°	1667.2	1464.5	1276.5	1132.4	996.6	862.8	733.3	628.9	518.1	405.3	307.1
-30°	1504.2	1330.8	1176.2	1036.2	921.3	808.5	695.7	599.6	493.1	388.6	296.7
-32.5°	1355.9	1215.9	1086.4	952.7	850.3	754.2	660.2	570.4	468.0	371.9	286.2
-35°	1218.0	1109.4	996.6	883.7	779.3	704.1	622.6	539.0	445.0	353.1	275.8
-37.5°	1094.7	1007.0	917.2	821.1	731.2	656.0	587.1	507.7	422.0	336.4	265.3
-40°	988.2	917.2	837.8	760.5	685.3	614.2	551.6	476.3	399.0	323.8	254.9
-42.5°	890.0	835.7	770.9	706.2	639.3	576.6	516.0	442.9	376.1	309.2	244.4
-45°	814.8	760.5	708.2	649.7	593.3	539.0	478.4	413.7	355.2	292.5	234.0
-47.5°	743.8	695.7	647.7	599.6	553.6	503.5	442.9	388.6	332.2	277.9	225.6
-50°	681.1	635.1	593.3	551.6	511.9	463.8	407.4	363.5	313.4	263.2	215.2
-52.5°	622.6	582.9	541.1	507.7	474.3	426.2	380.2	338.5	294.6	246.5	204.7
-55°	570.4	532.7	495.1	463.8	432.5	390.7	353.1	317.6	275.8	234.0	194.3
-57.5°	520.2	488.9	453.4	424.1	392.8	359.3	328.0	294.6	257.0	221.5	183.9
-60°	474.3	445.0	413.7	384.4	357.3	330.1	300.8	273.7	240.3	206.8	173.4
-62.5°	428.3	403.2	376.1	346.8	325.9	300.8	277.9	250.7	223.5	194.3	154.6
-65°	386.5	363.5	338.5	313.4	294.6	275.8	254.9	229.8	206.8	179.7	137.9
-67.5°	344.7	323.8	302.9	282.0	265.3	250.7	229.8	211.0	192.2	163.0	121.2
-70°	305.0	288.3	269.5	252.8	240.3	223.5	208.9	192.2	175.5	142.1	102.4
-72.5°	267.4	250.7	236.1	223.5	213.1	198.5	185.9	173.4	150.4	119.1	85.7
-75°	223.5	213.1	204.7	194.3	183.9	173.4	163.0	148.3	125.4	96.1	66.9
-77.5°	183.9	177.6	171.3	163.0	154.6	146.2	133.7	119.1	100.3	75.2	54.3
-80°	150.4	144.2	140.0	131.6	125.4	117.0	104.5	91.9	73.1	58.5	43.9
-82.5°	114.9	110.7	106.5	102.4	96.1	87.7	75.2	64.8	54.3	43.9	33.4
-85°	81.5	79.4	75.2	71.0	64.8	58.5	50.1	43.9	37.6	29.2	23.0
-87.5°	41.8	39.7	37.6	35.5	33.4	29.2	25.1	20.9	18.8	14.6	10.4
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	8.4	6.3	2.1	0.0
85°	16.7	10.4	4.2	0.0
82.5°	25.1	16.7	6.3	0.0
80°	33.4	20.9	10.4	0.0
77.5°	41.8	25.1	12.5	0.0
75°	50.1	31.3	14.6	0.0
72.5°	56.4	35.5	16.7	0.0
70°	66.9	41.8	18.8	0.0
67.5°	83.6	46.0	20.9	0.0
65°	98.2	50.1	23.0	0.0
62.5°	114.9	54.3	25.1	0.0
60°	129.5	58.5	27.2	0.0
57.5°	144.2	68.9	29.2	0.0
55°	156.7	77.3	31.3	0.0
52.5°	171.3	85.7	33.4	0.0
50°	183.9	94.0	35.5	0.0
47.5°	194.3	102.4	35.5	0.0
45°	202.7	108.6	37.6	0.0
42.5°	208.9	114.9	39.7	0.0
40°	215.2	121.2	41.8	0.0
37.5°	221.5	127.4	41.8	0.0
35°	227.7	133.7	43.9	0.0
32.5°	234.0	140.0	43.9	0.0
30°	238.2	144.2	46.0	0.0
27.5°	244.4	148.3	46.0	0.0
25°	246.5	152.5	48.1	0.0
22.5°	250.7	154.6	48.1	0.0
20°	254.9	158.8	48.1	0.0
17.5°	257.0	160.9	50.1	0.0
15°	257.0	163.0	52.2	0.0
12.5°	259.1	165.0	52.2	0.0
10°	259.1	169.2	50.1	0.0
7.5°	263.2	167.1	50.1	0.0
5°	261.2	167.1	50.1	0.0
2.5°	259.1	165.0	50.1	0.0
0°	257.0	165.0	50.1	0.0
-2.5°	257.0	165.0	50.1	0.0
-5°	257.0	165.0	50.1	0.0
-7.5°	254.9	167.1	50.1	0.0
-10°	250.7	167.1	50.1	0.0
-12.5°	248.6	160.9	50.1	0.0
-15°	246.5	158.8	50.1	0.0
-17.5°	242.3	156.7	48.1	0.0
-20°	238.2	154.6	48.1	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	234.0	150.4	48.1	0.0
-25°	229.8	146.2	46.0	0.0
-27.5°	225.6	142.1	46.0	0.0
-30°	219.4	137.9	43.9	0.0
-32.5°	213.1	133.7	43.9	0.0
-35°	208.9	127.4	41.8	0.0
-37.5°	202.7	121.2	41.8	0.0
-40°	196.4	114.9	39.7	0.0
-42.5°	190.1	108.6	37.6	0.0
-45°	181.8	102.4	37.6	0.0
-47.5°	175.5	96.1	35.5	0.0
-50°	165.0	87.7	33.4	0.0
-52.5°	152.5	79.4	31.3	0.0
-55°	140.0	73.1	29.2	0.0
-57.5°	127.4	64.8	29.2	0.0
-60°	114.9	56.4	27.2	0.0
-62.5°	102.4	52.2	25.1	0.0
-65°	89.8	48.1	23.0	0.0
-67.5°	75.2	41.8	20.9	0.0
-70°	62.7	37.6	18.8	0.0
-72.5°	54.3	33.4	16.7	0.0
-75°	46.0	29.2	14.6	0.0
-77.5°	39.7	25.1	12.5	0.0
-80°	31.3	18.8	8.4	0.0
-82.5°	23.0	14.6	6.3	0.0
-85°	14.6	10.4	4.2	0.0
-87.5°	8.4	4.2	2.1	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)