

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: P722021

Luminaire Tested: **IFLD-S-SA2E-730-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722021
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-730-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

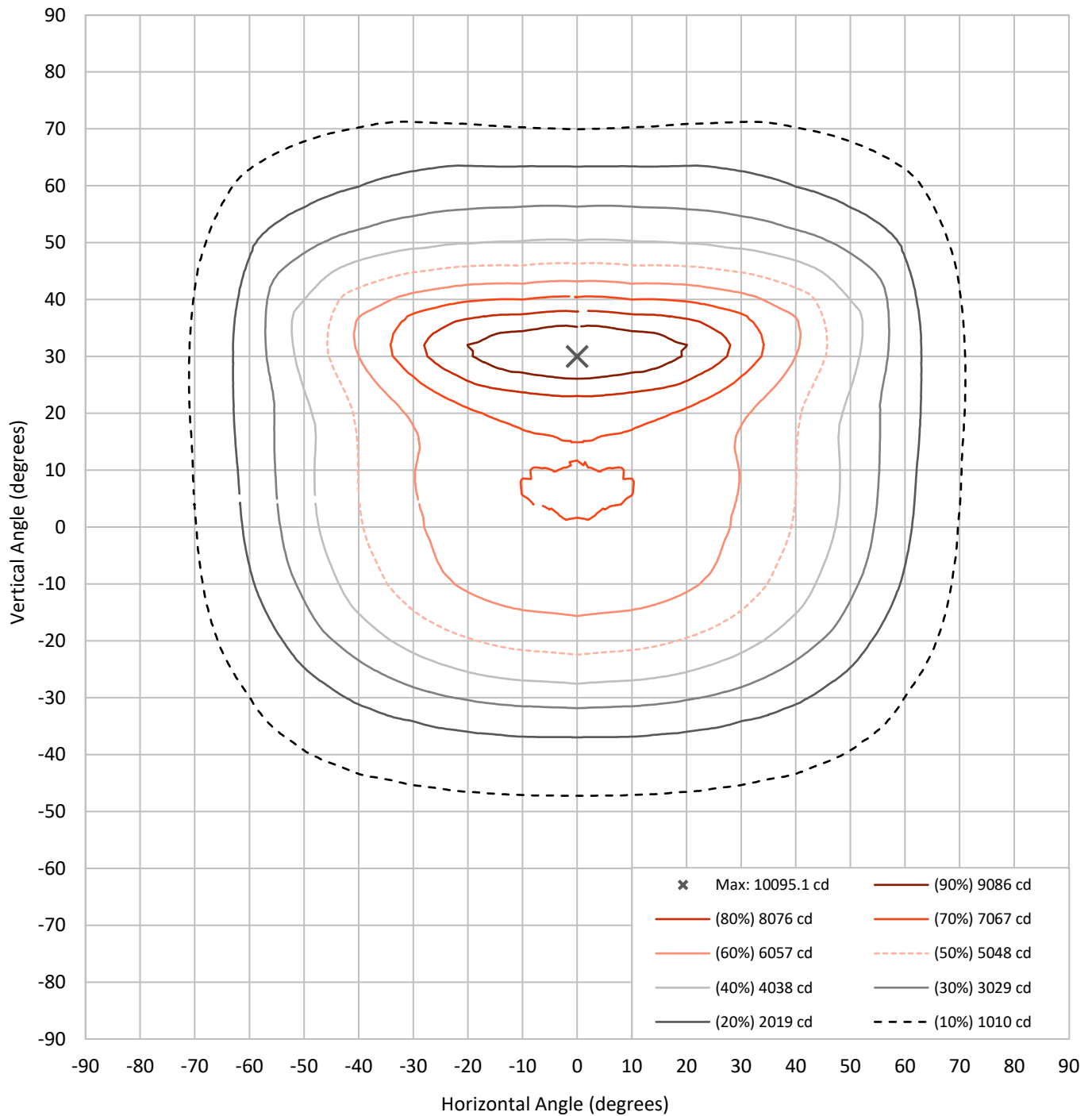
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	16851.3 lumens	Max Intensity:	10095.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	107.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	9799.2 lumens	Field Lumens:	15791.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 156.2
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



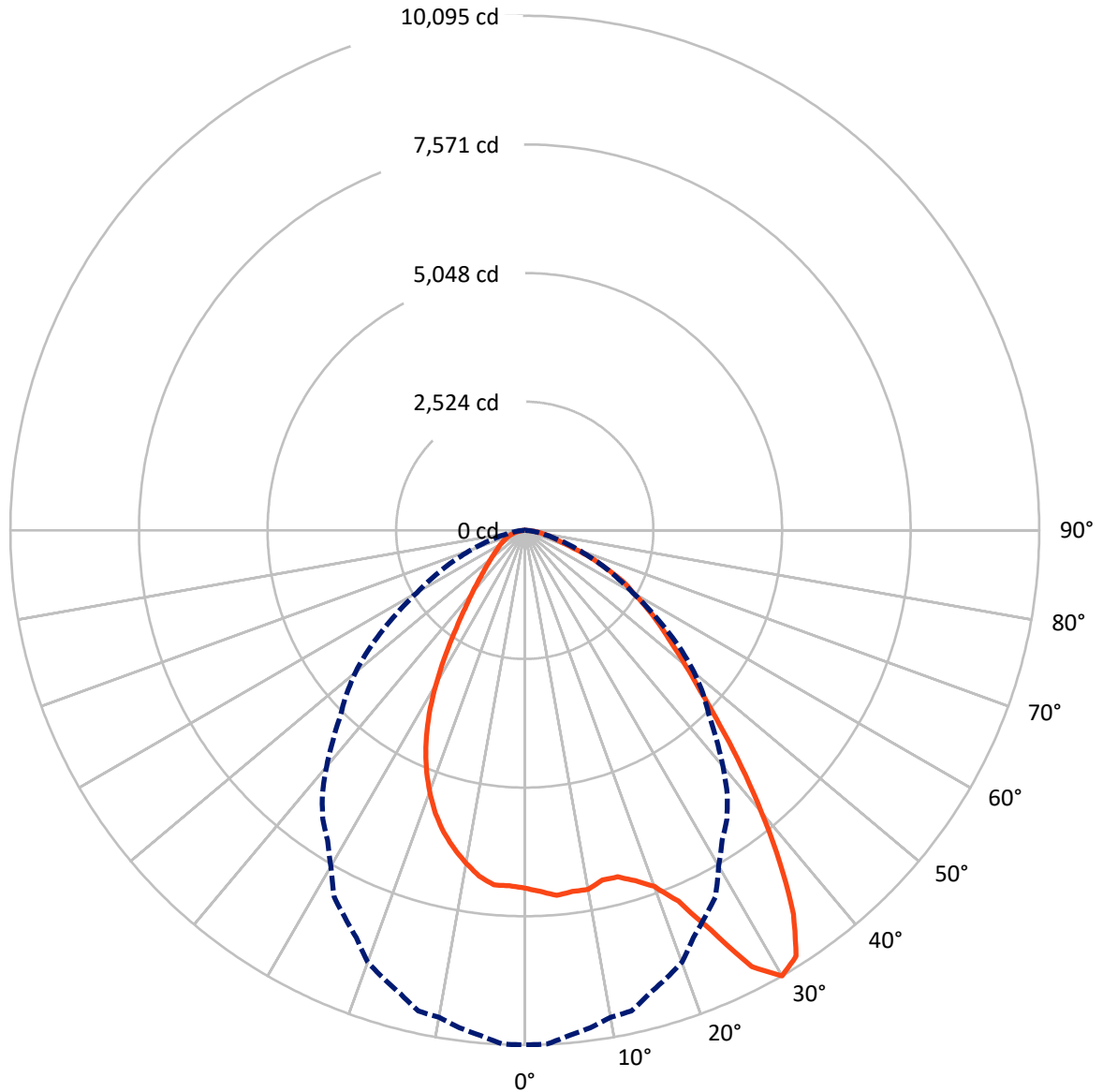
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Iso-Candela Plot



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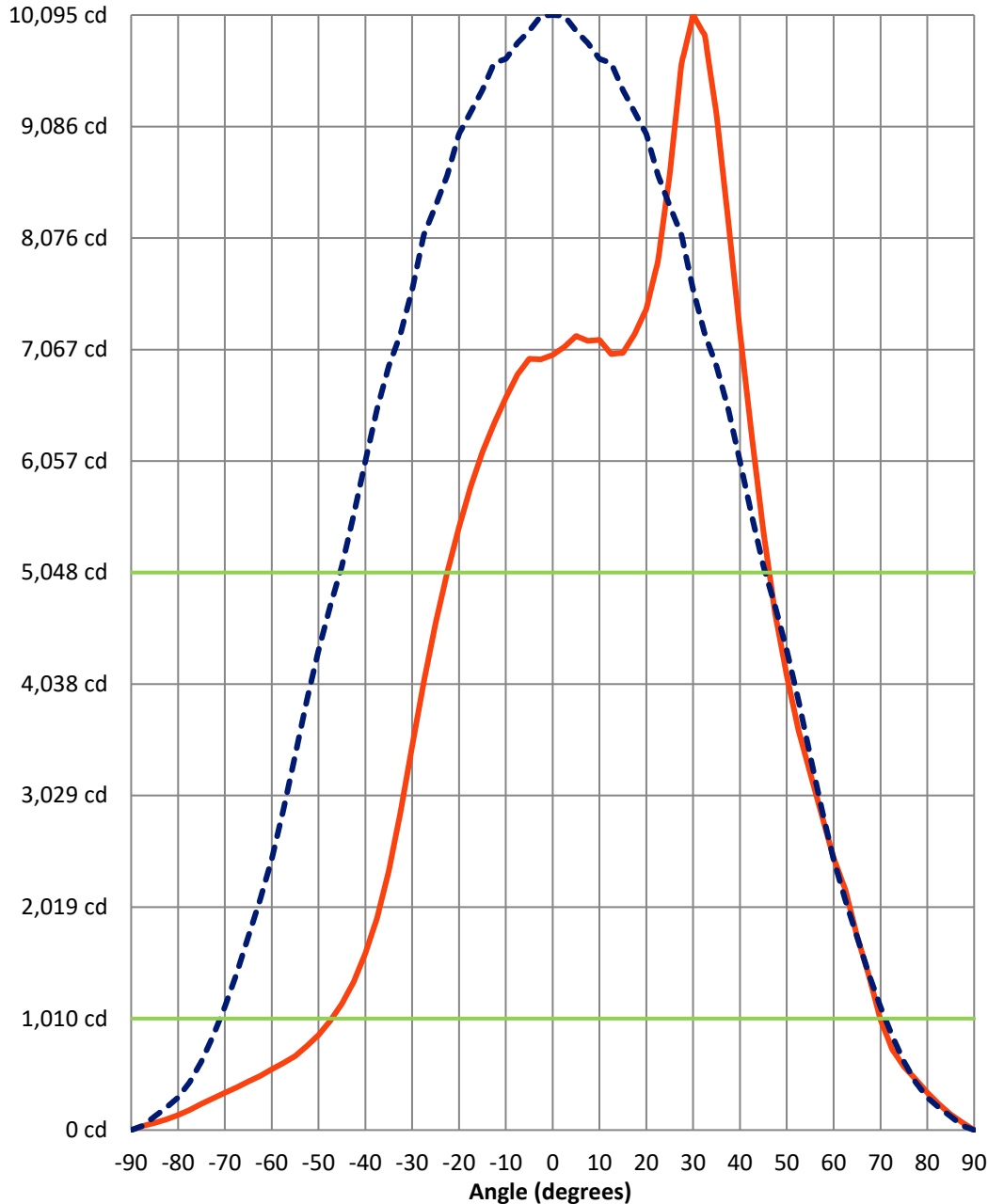
Luminous Intensity Polar Plot



— 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: 9799.2
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 15791.8
 Efficiency: 93.7%

Spill:
 Lumens: 1059.5
 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°	67.8	69.6	71.4	71.4	69.6	69.6	69.6	67.8	69.6	69.6	69.6
85°	141.0	144.6	148.2	146.4	144.6	141.0	137.5	139.2	141.0	142.8	142.8
82.5°	233.9	239.2	242.8	241.0	237.4	233.9	230.3	232.1	235.6	237.4	237.4
80°	339.2	341.0	342.8	346.3	341.0	341.0	339.2	346.3	349.9	353.5	357.0
77.5°	460.6	462.4	462.4	464.1	465.9	467.7	467.7	480.2	489.1	494.5	499.8
75°	574.8	580.2	585.5	590.9	598.0	601.6	607.0	624.8	639.1	649.8	660.5
72.5°	731.9	739.1	748.0	760.5	773.0	781.9	794.4	815.8	831.9	842.6	855.1
70°	1001.5	1008.6	1017.5	1026.5	1039.0	1047.9	1060.4	1087.2	1103.2	1110.4	1117.5
67.5°	1401.4	1419.2	1435.3	1417.4	1408.5	1396.0	1399.6	1424.6	1440.6	1451.3	1449.6
65°	1756.6	1769.1	1769.1	1767.3	1760.2	1744.1	1753.0	1783.4	1801.2	1810.2	1783.4
62.5°	2174.3	2174.3	2165.4	2179.7	2181.5	2170.8	2165.4	2167.2	2169.0	2174.3	2129.7
60°	2463.5	2481.4	2486.7	2499.2	2502.8	2502.8	2511.7	2518.9	2518.9	2508.2	2456.4
57.5°	2845.6	2879.5	2886.6	2877.7	2859.8	2836.6	2833.1	2822.3	2800.9	2779.5	2754.5
55°	3231.2	3249.0	3247.2	3241.9	3224.0	3197.2	3200.8	3186.5	3152.6	3125.8	3091.9
52.5°	3618.5	3661.4	3668.5	3657.8	3632.8	3604.3	3606.0	3590.0	3556.1	3527.5	3481.1
50°	4113.0	4148.7	4145.2	4127.3	4091.6	4070.2	4072.0	4041.6	4002.3	3993.4	3932.7
47.5°	4678.9	4720.0	4712.8	4687.8	4639.6	4630.7	4639.6	4600.4	4577.2	4557.5	4486.1
45°	5421.6	5469.8	5443.0	5394.8	5318.0	5326.9	5339.4	5332.3	5282.3	5230.5	5139.5
42.5°	6292.7	6323.1	6290.9	6242.7	6146.3	6164.2	6157.0	6114.2	6083.8	5998.2	5882.1
40°	7224.6	7290.6	7240.6	7165.7	7065.7	7092.5	7072.8	7017.5	6946.1	6839.0	6692.6
37.5°	8229.6	8281.4	8224.3	8136.8	8047.5	8038.6	7999.3	7913.6	7811.9	7694.1	7460.2
35°	9191.8	9325.7	9220.4	9081.1	8972.2	8931.2	8893.7	8695.5	8579.5	8388.5	8069.0
32.5°	9907.7	10005.9	9875.5	9730.9	9598.8	9541.7	9409.6	9174.0	9111.5	8709.8	8417.1
30°	10095.1	10088.0	9952.3	9841.6	9698.8	9659.5	9416.8	9216.8	9016.9	8645.6	8367.1
27.5°	9648.8	9604.2	9473.9	9377.5	9236.5	9190.0	8950.8	8843.7	8534.9	8220.7	7985.1
25°	8654.5	8677.7	8579.5	8531.3	8438.5	8338.5	8243.9	8099.3	7906.5	7631.6	7415.6
22.5°	7870.8	7901.1	7860.1	7803.0	7731.6	7676.2	7604.8	7492.3	7306.7	7137.1	6933.6
20°	7435.2	7426.3	7390.6	7347.7	7279.9	7240.6	7162.1	7067.5	6924.7	6778.3	6558.7
17.5°	7206.7	7151.4	7117.5	7101.4	7065.7	7015.7	6922.9	6826.5	6715.8	6549.8	6389.1
15°	7037.1	7046.1	7019.3	7006.8	6978.2	6908.6	6814.0	6735.4	6585.5	6501.6	6355.2
12.5°	7026.4	7017.5	7019.3	7013.9	6978.2	6889.0	6840.8	6740.8	6644.4	6533.7	6365.9
10°	7153.2	7058.5	7065.7	7090.7	7033.6	6962.2	6910.4	6801.5	6710.4	6569.4	6403.4
7.5°	7146.0	7097.8	7112.1	7071.0	7088.9	7001.4	6930.0	6821.1	6706.9	6556.9	6407.0
5°	7188.9	7115.7	7103.2	7106.7	7062.1	6996.1	6899.7	6796.1	6689.0	6521.2	6367.7
2.5°	7090.7	7101.4	7044.3	7022.8	7017.5	6906.8	6817.6	6717.6	6606.9	6458.7	6321.3
0°	7017.5	7037.1	6978.2	6947.9	6946.1	6851.5	6794.3	6680.1	6601.5	6478.4	6312.3
-2.5°	6978.2	7001.4	7008.6	6953.2	6899.7	6826.5	6730.1	6606.9	6478.4	6335.6	6192.7
-5°	6981.8	6935.4	6915.7	6933.6	6887.2	6814.0	6706.9	6598.0	6471.2	6317.7	6139.2
-7.5°	6840.8	6794.3	6790.8	6781.8	6771.1	6701.5	6612.3	6494.4	6365.9	6223.1	6057.1
-10°	6630.1	6596.2	6587.3	6578.3	6549.8	6508.7	6424.8	6317.7	6201.7	6058.9	5882.1
-12.5°	6396.3	6380.2	6346.3	6323.1	6294.5	6246.3	6166.0	6067.8	5951.7	5825.0	5673.3
-15°	6137.4	6107.1	6073.1	6053.5	6012.4	5955.3	5875.0	5783.9	5657.2	5532.2	5389.4
-17.5°	5825.0	5787.5	5750.0	5744.7	5716.1	5628.6	5553.7	5443.0	5332.3	5212.7	5073.4
-20°	5457.3	5405.5	5380.5	5366.2	5326.9	5262.7	5182.3	5080.6	4973.5	4859.2	4698.6



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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°	5050.2	5005.6	4962.8	4936.0	4902.1	4852.1	4775.3	4686.1	4580.7	4452.2	4304.0
-25°	4587.9	4525.4	4498.6	4468.3	4450.4	4404.0	4329.0	4246.9	4138.0	4013.1	3872.0
-27.5°	4059.5	4009.5	3995.2	3952.4	3930.9	3882.7	3820.3	3743.5	3643.5	3525.7	3409.7
-30°	3475.7	3445.4	3422.2	3379.3	3363.3	3311.5	3270.4	3206.2	3115.1	3031.2	2938.4
-32.5°	2875.9	2845.6	2838.4	2818.8	2808.1	2774.1	2727.7	2681.3	2608.1	2545.6	2470.7
-35°	2343.9	2322.5	2324.3	2322.5	2311.8	2286.8	2229.7	2217.2	2163.6	2106.5	2058.3
-37.5°	1919.1	1920.8	1919.1	1917.3	1903.0	1892.3	1851.2	1835.2	1803.0	1747.7	1719.1
-40°	1599.5	1603.1	1601.3	1597.7	1581.7	1576.3	1549.5	1528.1	1515.6	1476.3	1446.0
-42.5°	1340.7	1346.0	1344.2	1342.4	1331.7	1329.9	1315.7	1290.7	1283.5	1260.3	1228.2
-45°	1144.3	1142.5	1138.9	1142.5	1137.2	1131.8	1122.9	1106.8	1097.9	1087.2	1060.4
-47.5°	989.0	990.8	987.2	987.2	980.1	974.7	971.1	960.4	953.3	944.4	928.3
-50°	860.5	867.6	865.8	864.0	858.7	855.1	855.1	844.4	833.7	830.1	819.4
-52.5°	760.5	765.8	767.6	771.2	773.0	774.8	769.4	758.7	740.8	739.1	733.7
-55°	669.4	685.5	696.2	703.4	710.5	715.9	705.1	690.9	673.0	665.9	664.1
-57.5°	607.0	623.0	635.5	646.2	655.2	664.1	653.4	639.1	623.0	614.1	612.3
-60°	549.8	564.1	576.6	590.9	603.4	617.7	612.3	601.6	592.7	585.5	578.4
-62.5°	489.1	503.4	517.7	535.6	551.6	565.9	567.7	565.9	564.1	565.9	553.4
-65°	439.2	446.3	455.2	474.9	492.7	508.8	517.7	523.1	532.0	540.9	528.4
-67.5°	385.6	394.5	405.2	419.5	433.8	444.5	457.0	471.3	485.6	499.8	490.9
-70°	337.4	344.5	353.5	360.6	369.5	376.7	387.4	403.4	419.5	433.8	430.2
-72.5°	287.4	294.6	299.9	303.5	308.8	312.4	317.8	332.0	342.8	349.9	349.9
-75°	237.4	244.6	249.9	251.7	255.3	257.1	260.6	266.0	271.3	273.1	274.9
-77.5°	182.1	189.2	194.6	198.2	201.7	205.3	207.1	210.6	212.4	212.4	214.2
-80°	135.7	141.0	144.6	150.0	151.7	155.3	158.9	160.7	162.5	162.5	164.2
-82.5°	96.4	100.0	103.5	107.1	110.7	112.5	116.0	117.8	119.6	121.4	123.2
-85°	64.3	67.8	71.4	75.0	76.8	78.5	80.3	82.1	83.9	85.7	87.5
-87.5°	37.5	39.3	41.1	44.6	46.4	50.0	51.8	50.0	51.8	51.8	51.8
-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°	69.6	69.6	69.6	69.6	67.8	64.3	62.5	58.9	55.3	51.8	48.2
85°	144.6	146.4	146.4	146.4	142.8	141.0	135.7	130.3	123.2	112.5	103.5
82.5°	241.0	242.8	242.8	241.0	237.4	232.1	224.9	216.0	201.7	187.4	174.9
80°	362.4	364.2	364.2	362.4	353.5	344.5	335.6	324.9	307.0	287.4	266.0
77.5°	507.0	510.6	510.6	505.2	492.7	482.0	467.7	449.9	423.1	394.5	366.0
75°	674.8	683.7	685.5	680.1	664.1	644.4	621.2	590.9	549.8	514.1	480.2
72.5°	869.4	878.3	885.4	878.3	855.1	828.3	794.4	758.7	717.6	669.4	612.3
70°	1124.7	1133.6	1138.9	1115.7	1074.7	1030.0	989.0	947.9	899.7	840.8	778.3
67.5°	1446.0	1437.1	1426.3	1379.9	1328.2	1274.6	1217.5	1156.8	1094.3	1031.8	958.6
65°	1754.8	1729.8	1706.6	1651.3	1585.2	1515.6	1449.6	1381.7	1306.7	1228.2	1158.6
62.5°	2079.7	2026.2	1969.0	1901.2	1833.4	1756.6	1690.6	1610.2	1526.3	1429.9	1340.7
60°	2399.3	2335.0	2277.9	2194.0	2104.7	2001.2	1929.8	1851.2	1753.0	1649.5	1544.2
57.5°	2708.1	2638.5	2576.0	2502.8	2406.4	2293.9	2215.4	2113.6	2010.1	1879.8	1772.7
55°	3036.6	2966.9	2917.0	2834.8	2729.5	2626.0	2540.3	2433.2	2288.6	2149.3	2017.2
52.5°	3413.2	3357.9	3304.3	3220.4	3093.7	2988.4	2893.8	2774.1	2622.4	2451.0	2292.2
50°	3834.5	3806.0	3748.9	3650.7	3506.1	3413.2	3288.3	3129.4	2966.9	2786.6	2588.5
47.5°	4393.3	4346.9	4266.5	4159.4	4038.0	3898.8	3731.0	3545.3	3315.1	3115.1	2904.5
45°	5060.9	4975.3	4871.7	4727.1	4577.2	4420.1	4236.2	4000.6	3691.7	3431.1	3209.7
42.5°	5783.9	5667.9	5526.9	5337.6	5143.1	4950.3	4752.1	4430.8	4045.2	3745.3	3495.4
40°	6539.1	6390.9	6214.2	5939.2	5723.2	5475.1	5248.4	4768.2	4357.6	4032.7	3766.7
37.5°	7278.1	7090.7	6794.3	6460.5	6208.8	6005.3	5507.2	4993.1	4625.4	4268.3	3998.8
35°	7844.0	7685.1	7162.1	6815.8	6599.8	6278.4	5655.4	5128.8	4739.6	4443.3	4023.8
32.5°	8179.6	7769.0	7310.3	6960.4	6781.8	6255.2	5666.1	5168.1	4793.2	4461.1	3959.5
30°	8104.7	7608.4	7206.7	6914.0	6526.6	6053.5	5566.2	5107.4	4743.2	4341.5	3888.1
27.5°	7653.0	7269.2	6910.4	6605.1	6224.9	5800.0	5350.1	4946.7	4607.5	4218.3	3789.9
25°	7142.5	6794.3	6528.4	6262.4	5901.8	5496.5	5100.2	4809.2	4468.3	4084.5	3661.4
22.5°	6673.0	6423.0	6214.2	5935.7	5584.0	5230.5	4984.2	4682.5	4332.6	3943.4	3529.3
20°	6373.0	6203.5	5964.2	5657.2	5380.5	5159.1	4886.0	4566.5	4205.9	3798.8	3416.8
17.5°	6228.4	6032.1	5766.1	5566.2	5353.7	5110.9	4805.7	4466.5	4082.7	3732.8	3429.3
15°	6153.5	5946.4	5771.4	5575.1	5335.9	5080.6	4741.4	4389.7	4082.7	3759.6	3438.2
12.5°	6169.5	5991.0	5800.0	5585.8	5328.7	5055.6	4748.5	4421.9	4104.1	3779.2	3440.0
10°	6219.5	6032.1	5828.6	5591.1	5332.3	5062.7	4768.2	4441.5	4114.8	3788.1	3436.4
7.5°	6237.4	6033.9	5816.1	5576.9	5323.4	5059.2	4771.8	4446.9	4116.6	3786.3	3425.7
5°	6182.0	5998.2	5787.5	5546.5	5298.4	5041.3	4757.5	4439.7	4102.3	3768.5	3399.0
2.5°	6107.1	5958.9	5757.2	5525.1	5273.4	5016.3	4734.3	4407.6	4070.2	3736.4	3365.0
0°	6094.6	5910.7	5707.2	5500.1	5232.3	4961.0	4680.7	4346.9	4011.3	3675.7	3306.1
-2.5°	6012.4	5817.9	5614.3	5389.4	5153.8	4880.6	4586.1	4259.4	3927.4	3597.1	3241.9
-5°	5950.0	5734.0	5518.0	5275.2	5037.7	4764.6	4459.3	4141.6	3816.7	3495.4	3152.6
-7.5°	5866.1	5644.7	5418.0	5164.5	4907.4	4628.9	4327.2	4009.5	3689.9	3370.4	3041.9
-10°	5696.5	5501.9	5289.4	5027.0	4755.7	4477.2	4177.3	3864.9	3545.3	3222.2	2892.0
-12.5°	5491.2	5285.9	5053.8	4812.8	4570.0	4311.2	4011.3	3704.2	3382.9	3058.0	2729.5
-15°	5225.2	5023.5	4786.0	4550.4	4316.5	4068.4	3804.2	3527.5	3200.8	2881.3	2552.8
-17.5°	4893.1	4703.9	4491.5	4266.5	4034.5	3784.6	3527.5	3293.6	2988.4	2688.5	2363.6
-20°	4536.1	4359.4	4168.4	3955.9	3723.9	3479.3	3236.5	2991.9	2727.7	2463.5	2161.8



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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°	4164.8	3986.3	3793.5	3595.3	3381.1	3154.4	2929.5	2695.6	2463.5	2224.3	1969.0
-25°	3736.4	3579.3	3402.5	3209.7	3018.7	2820.6	2606.3	2393.9	2195.8	1988.7	1779.8
-27.5°	3288.3	3143.7	2983.0	2815.2	2651.0	2485.0	2299.3	2102.9	1938.7	1767.3	1594.2
-30°	2817.0	2701.0	2570.6	2424.3	2297.5	2163.6	2008.3	1845.9	1695.9	1565.6	1426.3
-32.5°	2370.7	2272.5	2179.7	2083.3	1958.3	1854.8	1747.7	1628.1	1496.0	1372.8	1272.8
-35°	1986.9	1881.6	1842.3	1770.9	1681.6	1590.6	1512.0	1426.3	1326.4	1217.5	1135.4
-37.5°	1663.8	1601.3	1546.0	1506.7	1447.8	1374.6	1312.1	1249.6	1172.9	1090.7	1008.6
-40°	1412.1	1369.2	1308.5	1288.9	1251.4	1201.4	1137.2	1089.0	1037.2	974.7	905.1
-42.5°	1210.3	1178.2	1138.9	1105.0	1089.0	1053.2	1003.3	956.8	915.8	872.9	819.4
-45°	1044.3	1022.9	997.9	967.6	955.1	926.5	890.8	839.0	815.8	780.1	740.8
-47.5°	910.4	899.7	881.9	862.2	844.4	823.0	790.8	758.7	726.6	703.4	673.0
-50°	805.1	798.0	787.3	771.2	748.0	733.7	712.3	683.7	653.4	633.7	612.3
-52.5°	721.2	714.1	706.9	694.4	676.6	662.3	644.4	621.2	596.2	576.6	558.8
-55°	656.9	646.2	640.9	630.2	615.9	599.8	583.7	567.7	546.3	528.4	510.6
-57.5°	607.0	592.7	585.5	576.6	562.3	546.3	533.8	517.7	503.4	483.8	467.7
-60°	567.7	551.6	537.3	528.4	515.9	499.8	487.4	474.9	460.6	444.5	424.9
-62.5°	535.6	515.9	496.3	485.6	473.1	458.8	446.3	433.8	419.5	403.4	385.6
-65°	505.2	482.0	457.0	446.3	433.8	419.5	403.4	394.5	382.0	367.7	349.9
-67.5°	467.7	442.7	421.3	408.8	396.3	383.8	369.5	360.6	348.1	330.3	312.4
-70°	412.4	396.3	382.0	371.3	360.6	349.9	335.6	321.3	307.0	291.0	274.9
-72.5°	342.8	337.4	335.6	330.3	317.8	305.3	291.0	276.7	264.2	251.7	239.2
-75°	276.7	280.3	283.8	282.1	269.6	257.1	244.6	232.1	223.1	212.4	201.7
-77.5°	219.6	223.1	226.7	226.7	217.8	210.6	201.7	192.8	185.7	176.7	166.0
-80°	169.6	174.9	180.3	183.9	176.7	171.4	164.2	157.1	150.0	142.8	135.7
-82.5°	128.5	133.9	139.2	142.8	137.5	133.9	128.5	123.2	117.8	110.7	105.3
-85°	92.8	96.4	100.0	101.8	98.2	94.6	91.0	87.5	83.9	78.5	75.0
-87.5°	53.6	55.3	57.1	58.9	55.3	51.8	50.0	46.4	44.6	41.1	39.3
-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):

	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°	44.6	41.1	37.5	35.7	32.1	26.8	23.2	19.6	16.1	12.5	10.7
85°	94.6	85.7	75.0	69.6	62.5	55.3	48.2	41.1	33.9	26.8	19.6
82.5°	162.5	151.7	141.0	128.5	112.5	92.8	73.2	60.7	50.0	39.3	30.3
80°	244.6	224.9	207.1	191.0	173.2	148.2	121.4	96.4	67.8	51.8	39.3
77.5°	339.2	316.0	291.0	264.2	235.6	201.7	171.4	139.2	105.3	71.4	50.0
75°	446.3	415.9	382.0	344.5	307.0	262.4	219.6	182.1	142.8	100.0	60.7
72.5°	565.9	528.4	487.4	437.4	378.5	326.7	274.9	224.9	178.5	126.7	82.1
70°	719.4	660.5	599.8	546.3	471.3	389.2	328.5	271.3	212.4	155.3	103.5
67.5°	883.7	812.3	739.1	660.5	565.9	469.5	382.0	317.8	248.1	182.1	123.2
65°	1062.2	972.9	880.1	792.6	662.3	548.0	449.9	362.4	282.1	207.1	142.8
62.5°	1246.0	1140.7	1033.6	919.4	769.4	628.4	514.1	412.4	314.2	230.3	160.7
60°	1442.4	1319.2	1188.9	1046.1	871.2	715.9	574.8	464.1	348.1	253.5	180.3
57.5°	1649.5	1515.6	1362.1	1169.3	976.5	799.8	644.4	510.6	378.5	274.9	194.6
55°	1874.4	1720.9	1553.1	1297.8	1080.0	883.7	714.1	557.0	410.6	292.8	208.9
52.5°	2117.2	1938.7	1726.3	1433.5	1188.9	969.3	778.3	598.0	440.9	312.4	221.4
50°	2388.6	2163.6	1878.0	1558.5	1283.5	1049.7	842.6	642.7	465.9	333.8	232.1
47.5°	2670.6	2427.8	2013.7	1674.5	1379.9	1128.2	908.6	681.9	490.9	351.7	242.8
45°	2965.2	2611.7	2154.7	1778.0	1463.8	1199.6	958.6	717.6	521.3	367.7	251.7
42.5°	3256.1	2750.9	2277.9	1881.6	1542.4	1263.9	999.7	751.6	546.3	383.8	260.6
40°	3393.6	2856.3	2376.1	1953.0	1608.4	1321.0	1035.4	781.9	567.7	394.5	269.6
37.5°	3450.7	2920.5	2440.3	2020.8	1660.2	1351.4	1065.7	808.7	585.5	405.2	276.7
35°	3463.2	2943.7	2472.5	2067.2	1703.0	1379.9	1089.0	828.3	599.8	415.9	283.8
32.5°	3440.0	2936.6	2481.4	2083.3	1729.8	1401.4	1105.0	842.6	610.5	426.7	291.0
30°	3388.2	2899.1	2449.2	2081.5	1749.5	1413.9	1115.7	853.3	621.2	433.8	294.6
27.5°	3304.3	2833.1	2408.2	2083.3	1760.2	1419.2	1121.1	858.7	628.4	439.2	301.7
25°	3200.8	2743.8	2410.0	2079.7	1762.0	1421.0	1121.1	858.7	630.2	440.9	307.0
22.5°	3081.2	2743.8	2410.0	2074.4	1751.2	1417.4	1115.7	855.1	630.2	444.5	312.4
20°	3088.3	2745.6	2404.6	2063.7	1735.2	1406.7	1103.2	846.2	624.8	449.9	316.0
17.5°	3093.7	2742.0	2393.9	2049.4	1713.8	1388.9	1087.2	833.7	624.8	455.2	317.8
15°	3093.7	2731.3	2377.8	2027.9	1687.0	1363.9	1064.0	823.0	626.6	457.0	321.3
12.5°	3088.3	2711.7	2352.8	1999.4	1654.8	1333.5	1049.7	819.4	626.6	458.8	321.3
10°	3077.6	2684.9	2320.7	1963.7	1624.5	1322.8	1042.5	812.3	623.0	458.8	321.3
7.5°	3058.0	2652.8	2293.9	1942.3	1606.7	1310.3	1031.8	801.5	617.7	455.2	324.9
5°	3027.6	2634.9	2272.5	1917.3	1581.7	1301.4	1024.7	792.6	614.1	455.2	321.3
2.5°	2988.4	2613.5	2247.5	1885.1	1553.1	1271.0	1001.5	773.0	601.6	448.1	317.8
0°	2924.1	2570.6	2204.7	1840.5	1513.8	1240.7	978.3	753.3	589.1	440.9	314.2
-2.5°	2865.2	2513.5	2149.3	1794.1	1476.3	1213.9	960.4	742.6	583.7	439.2	312.4
-5°	2783.1	2435.0	2076.1	1733.4	1426.3	1187.1	942.6	730.1	578.4	435.6	312.4
-7.5°	2692.0	2352.8	1999.4	1670.9	1376.4	1140.7	908.6	710.5	565.9	428.4	310.6
-10°	2551.0	2229.7	1903.0	1599.5	1322.8	1099.7	880.1	692.6	555.2	421.3	303.5
-12.5°	2401.0	2094.0	1792.3	1512.0	1262.1	1056.8	848.0	673.0	542.7	414.2	299.9
-15°	2242.2	1954.8	1676.3	1421.0	1196.1	1005.0	814.0	651.6	530.2	405.2	294.6
-17.5°	2076.1	1808.4	1556.7	1328.2	1130.0	951.5	778.3	631.9	515.9	396.3	289.2
-20°	1901.2	1658.4	1435.3	1233.6	1060.4	897.9	740.8	608.7	499.8	385.6	282.1



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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°	1728.0	1510.3	1310.3	1140.7	989.0	842.6	703.4	585.5	482.0	373.1	276.7
-25°	1574.5	1371.0	1199.6	1051.5	919.4	789.0	664.1	562.3	462.4	360.6	269.6
-27.5°	1424.6	1251.4	1090.7	967.6	851.5	737.3	626.6	537.3	442.7	346.3	262.4
-30°	1285.3	1137.2	1005.0	885.4	787.3	690.9	594.5	512.3	421.3	332.0	253.5
-32.5°	1158.6	1039.0	928.3	814.0	726.6	644.4	564.1	487.4	399.9	317.8	244.6
-35°	1040.8	947.9	851.5	755.1	665.9	601.6	532.0	460.6	380.2	301.7	235.6
-37.5°	935.4	860.5	783.7	701.6	624.8	560.5	501.6	433.8	360.6	287.4	226.7
-40°	844.4	783.7	715.9	649.8	585.5	524.8	471.3	407.0	341.0	276.7	217.8
-42.5°	760.5	714.1	658.7	603.4	546.3	492.7	440.9	378.5	321.3	264.2	208.9
-45°	696.2	649.8	605.2	555.2	507.0	460.6	408.8	353.5	303.5	249.9	199.9
-47.5°	635.5	594.5	553.4	512.3	473.1	430.2	378.5	332.0	283.8	237.4	192.8
-50°	582.0	542.7	507.0	471.3	437.4	396.3	348.1	310.6	267.8	224.9	183.9
-52.5°	532.0	498.1	462.4	433.8	405.2	364.2	324.9	289.2	251.7	210.6	174.9
-55°	487.4	455.2	423.1	396.3	369.5	333.8	301.7	271.3	235.6	199.9	166.0
-57.5°	444.5	417.7	387.4	362.4	335.6	307.0	280.3	251.7	219.6	189.2	157.1
-60°	405.2	380.2	353.5	328.5	305.3	282.1	257.1	233.9	205.3	176.7	148.2
-62.5°	366.0	344.5	321.3	296.3	278.5	257.1	237.4	214.2	191.0	166.0	132.1
-65°	330.3	310.6	289.2	267.8	251.7	235.6	217.8	196.4	176.7	153.5	117.8
-67.5°	294.6	276.7	258.8	241.0	226.7	214.2	196.4	180.3	164.2	139.2	103.5
-70°	260.6	246.4	230.3	216.0	205.3	191.0	178.5	164.2	150.0	121.4	87.5
-72.5°	228.5	214.2	201.7	191.0	182.1	169.6	158.9	148.2	128.5	101.8	73.2
-75°	191.0	182.1	174.9	166.0	157.1	148.2	139.2	126.7	107.1	82.1	57.1
-77.5°	157.1	151.7	146.4	139.2	132.1	125.0	114.3	101.8	85.7	64.3	46.4
-80°	128.5	123.2	119.6	112.5	107.1	100.0	89.3	78.5	62.5	50.0	37.5
-82.5°	98.2	94.6	91.0	87.5	82.1	75.0	64.3	55.3	46.4	37.5	28.6
-85°	69.6	67.8	64.3	60.7	55.3	50.0	42.8	37.5	32.1	25.0	19.6
-87.5°	35.7	33.9	32.1	30.3	28.6	25.0	21.4	17.9	16.1	12.5	8.9
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	7.1	5.4	1.8	0.0
85°	14.3	8.9	3.6	0.0
82.5°	21.4	14.3	5.4	0.0
80°	28.6	17.9	8.9	0.0
77.5°	35.7	21.4	10.7	0.0
75°	42.8	26.8	12.5	0.0
72.5°	48.2	30.3	14.3	0.0
70°	57.1	35.7	16.1	0.0
67.5°	71.4	39.3	17.9	0.0
65°	83.9	42.8	19.6	0.0
62.5°	98.2	46.4	21.4	0.0
60°	110.7	50.0	23.2	0.0
57.5°	123.2	58.9	25.0	0.0
55°	133.9	66.1	26.8	0.0
52.5°	146.4	73.2	28.6	0.0
50°	157.1	80.3	30.3	0.0
47.5°	166.0	87.5	30.3	0.0
45°	173.2	92.8	32.1	0.0
42.5°	178.5	98.2	33.9	0.0
40°	183.9	103.5	35.7	0.0
37.5°	189.2	108.9	35.7	0.0
35°	194.6	114.3	37.5	0.0
32.5°	199.9	119.6	37.5	0.0
30°	203.5	123.2	39.3	0.0
27.5°	208.9	126.7	39.3	0.0
25°	210.6	130.3	41.1	0.0
22.5°	214.2	132.1	41.1	0.0
20°	217.8	135.7	41.1	0.0
17.5°	219.6	137.5	42.8	0.0
15°	219.6	139.2	44.6	0.0
12.5°	221.4	141.0	44.6	0.0
10°	221.4	144.6	42.8	0.0
7.5°	224.9	142.8	42.8	0.0
5°	223.1	142.8	42.8	0.0
2.5°	221.4	141.0	42.8	0.0
0°	219.6	141.0	42.8	0.0
-2.5°	219.6	141.0	42.8	0.0
-5°	219.6	141.0	42.8	0.0
-7.5°	217.8	142.8	42.8	0.0
-10°	214.2	142.8	42.8	0.0
-12.5°	212.4	137.5	42.8	0.0
-15°	210.6	135.7	42.8	0.0
-17.5°	207.1	133.9	41.1	0.0
-20°	203.5	132.1	41.1	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	199.9	128.5	41.1	0.0
-25°	196.4	125.0	39.3	0.0
-27.5°	192.8	121.4	39.3	0.0
-30°	187.4	117.8	37.5	0.0
-32.5°	182.1	114.3	37.5	0.0
-35°	178.5	108.9	35.7	0.0
-37.5°	173.2	103.5	35.7	0.0
-40°	167.8	98.2	33.9	0.0
-42.5°	162.5	92.8	32.1	0.0
-45°	155.3	87.5	32.1	0.0
-47.5°	150.0	82.1	30.3	0.0
-50°	141.0	75.0	28.6	0.0
-52.5°	130.3	67.8	26.8	0.0
-55°	119.6	62.5	25.0	0.0
-57.5°	108.9	55.3	25.0	0.0
-60°	98.2	48.2	23.2	0.0
-62.5°	87.5	44.6	21.4	0.0
-65°	76.8	41.1	19.6	0.0
-67.5°	64.3	35.7	17.9	0.0
-70°	53.6	32.1	16.1	0.0
-72.5°	46.4	28.6	14.3	0.0
-75°	39.3	25.0	12.5	0.0
-77.5°	33.9	21.4	10.7	0.0
-80°	26.8	16.1	7.1	0.0
-82.5°	19.6	12.5	5.4	0.0
-85°	12.5	8.9	3.6	0.0
-87.5°	7.1	3.6	1.8	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)