

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: P721991

Luminaire Tested: **IFLD-S-SA2D-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721991
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-727-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

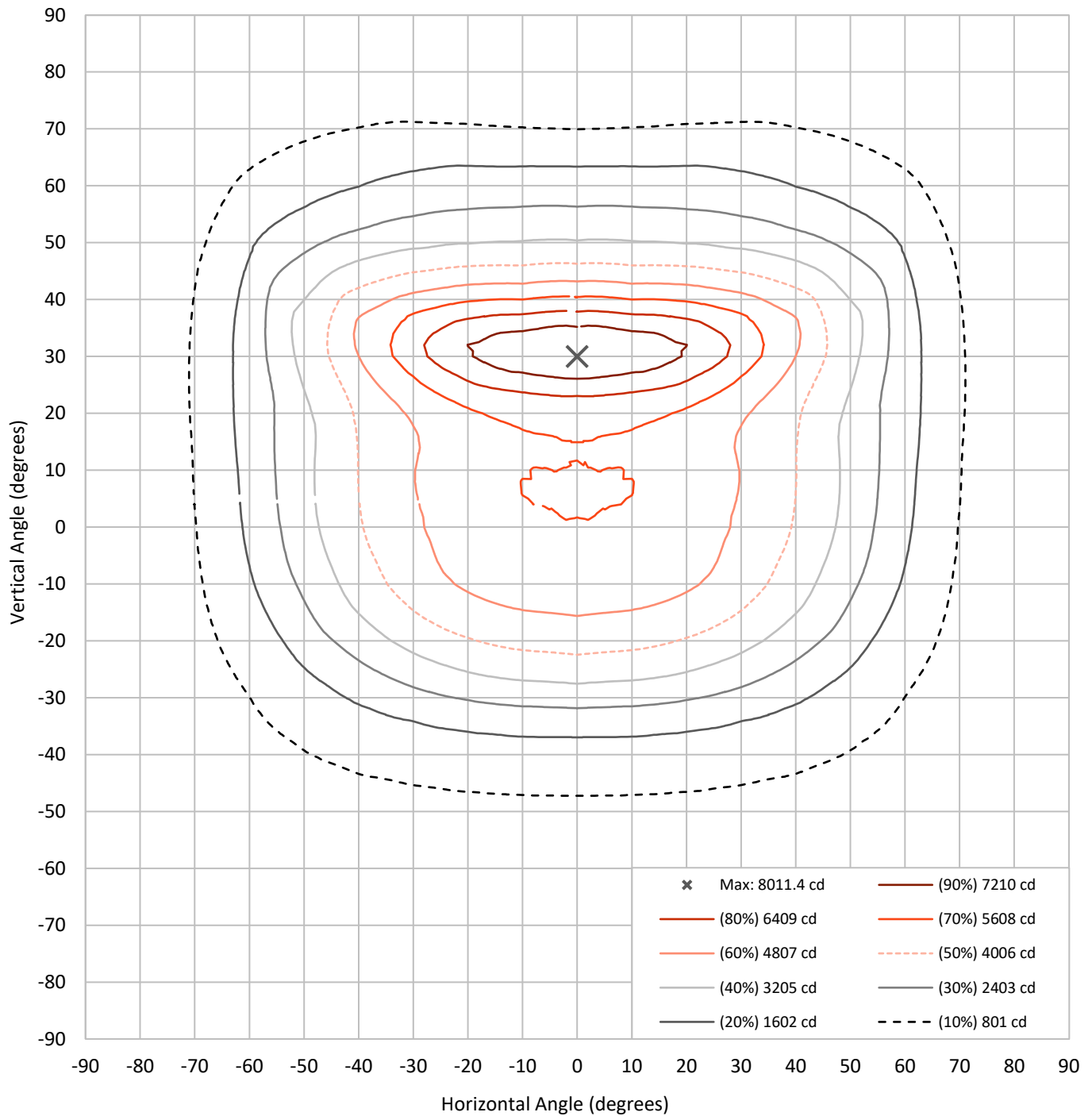
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	13373 lumens	Max Intensity:	8011.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	107.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	7776.5 lumens	Field Lumens:	12532.2 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 123.9
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



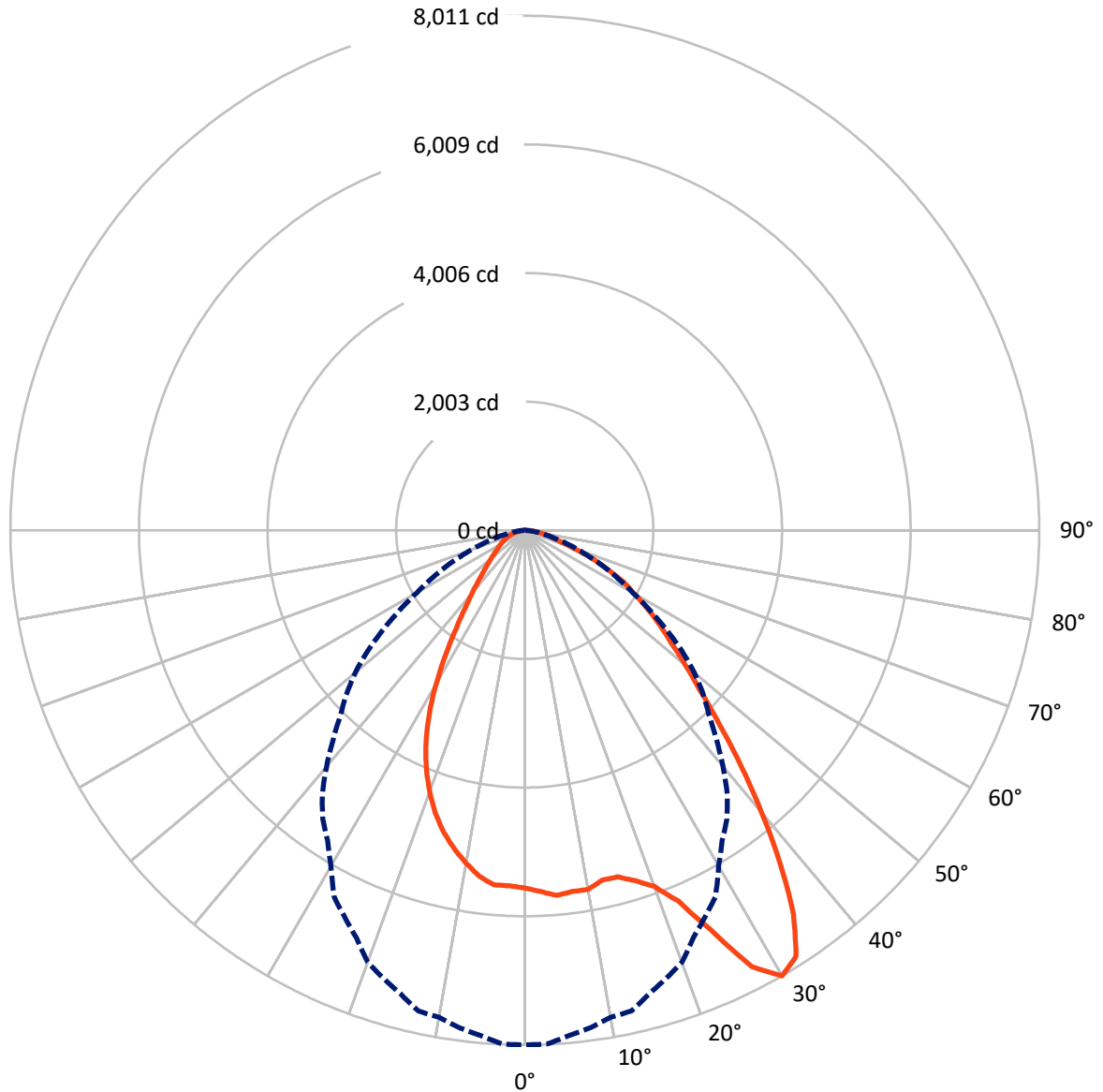
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Iso-Candela Plot



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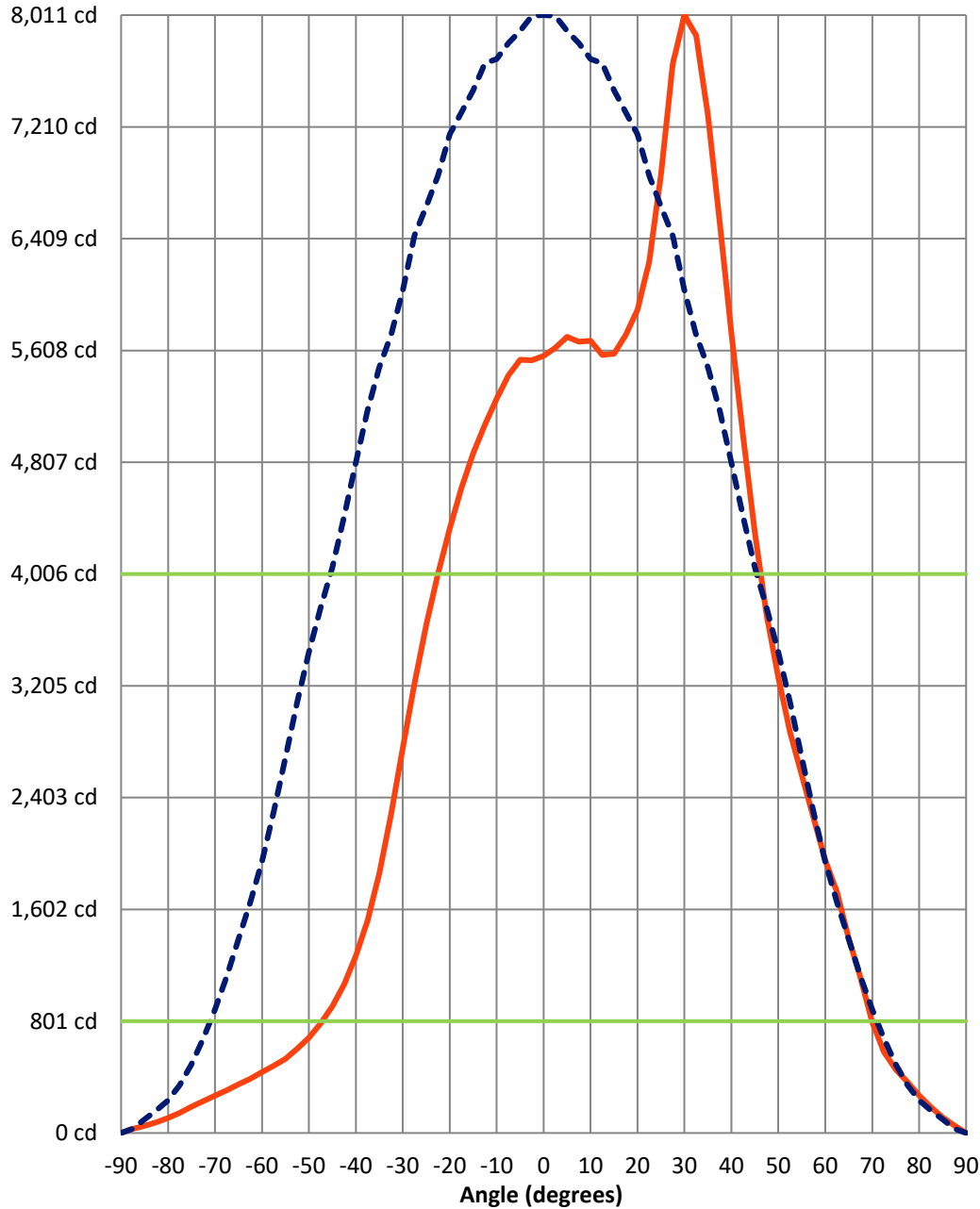
Luminous Intensity Polar Plot



— 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: 7776.5
Efficiency: 58.2%

Field:
H Angle: 142°
V Angle: 117.1°
Lumens: 12532.2
Efficiency: 93.7%

Spill:
Lumens: 840.8
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°	53.8	55.3	56.7	56.7	55.3	55.3	55.3	53.8	55.3	55.3	55.3
85°	111.9	114.8	117.6	116.2	114.8	111.9	109.1	110.5	111.9	113.3	113.3
82.5°	185.6	189.8	192.7	191.3	188.4	185.6	182.8	184.2	187.0	188.4	188.4
80°	269.2	270.6	272.0	274.8	270.6	270.6	269.2	274.8	277.7	280.5	283.3
77.5°	365.5	366.9	366.9	368.3	369.8	371.2	371.2	381.1	388.2	392.4	396.7
75°	456.2	460.4	464.7	468.9	474.6	477.4	481.7	495.8	507.2	515.7	524.2
72.5°	580.8	586.5	593.6	603.5	613.4	620.5	630.4	647.4	660.2	668.7	678.6
70°	794.8	800.4	807.5	814.6	824.5	831.6	841.5	862.8	875.5	881.2	886.8
67.5°	1112.1	1126.3	1139.0	1124.8	1117.8	1107.8	1110.7	1130.5	1143.3	1151.8	1150.3
65°	1394.0	1403.9	1403.9	1402.5	1396.9	1384.1	1391.2	1415.3	1429.4	1436.5	1415.3
62.5°	1725.5	1725.5	1718.4	1729.8	1731.2	1722.7	1718.4	1719.9	1721.3	1725.5	1690.1
60°	1955.0	1969.2	1973.4	1983.4	1986.2	1986.2	1993.3	1998.9	1998.9	1990.4	1949.4
57.5°	2258.2	2285.1	2290.8	2283.7	2269.5	2251.1	2248.3	2239.8	2222.8	2205.8	2185.9
55°	2564.2	2578.4	2577.0	2572.7	2558.5	2537.3	2540.1	2528.8	2501.9	2480.6	2453.7
52.5°	2871.6	2905.6	2911.3	2902.8	2883.0	2860.3	2861.7	2849.0	2822.0	2799.4	2762.5
50°	3264.0	3292.4	3289.5	3275.4	3247.0	3230.0	3231.5	3207.4	3176.2	3169.1	3121.0
47.5°	3713.1	3745.7	3740.0	3720.2	3682.0	3674.9	3682.0	3650.8	3632.4	3616.8	3560.1
45°	4302.5	4340.7	4319.5	4281.2	4220.3	4227.4	4237.3	4231.6	4192.0	4150.9	4078.6
42.5°	4993.8	5017.9	4992.4	4954.1	4877.6	4891.8	4886.1	4852.1	4828.1	4760.1	4668.0
40°	5733.3	5785.7	5746.1	5686.6	5607.2	5628.5	5612.9	5569.0	5512.3	5427.3	5311.2
37.5°	6530.9	6572.0	6526.7	6457.3	6386.4	6379.3	6348.2	6280.2	6199.4	6105.9	5920.3
35°	7294.5	7400.8	7317.2	7206.7	7120.3	7087.7	7057.9	6900.7	6808.6	6657.0	6403.4
32.5°	7862.6	7940.5	7837.1	7722.4	7617.5	7572.2	7467.3	7280.3	7230.8	6912.0	6679.7
30°	8011.4	8005.7	7898.0	7810.2	7696.9	7665.7	7473.0	7314.3	7155.7	6861.0	6640.0
27.5°	7657.2	7621.8	7518.3	7441.8	7329.9	7293.1	7103.3	7018.3	6773.2	6523.8	6336.8
25°	6868.1	6886.5	6808.6	6770.3	6696.7	6617.3	6542.3	6427.5	6274.5	6056.3	5884.9
22.5°	6246.2	6270.2	6237.7	6192.3	6135.7	6091.7	6035.1	5945.8	5798.5	5663.9	5502.4
20°	5900.5	5893.4	5865.1	5831.1	5777.2	5746.1	5683.7	5608.7	5495.3	5379.2	5204.9
17.5°	5719.2	5675.2	5648.3	5635.6	5607.2	5567.6	5493.9	5417.4	5329.6	5197.8	5070.3
15°	5584.6	5591.7	5570.4	5560.5	5537.8	5482.6	5407.5	5345.2	5226.2	5159.6	5043.4
12.5°	5576.1	5569.0	5570.4	5566.2	5537.8	5467.0	5428.7	5349.4	5272.9	5185.1	5051.9
10°	5676.7	5601.6	5607.2	5627.1	5581.7	5525.1	5484.0	5397.6	5325.3	5213.4	5081.7
7.5°	5671.0	5632.7	5644.1	5611.5	5625.7	5556.2	5499.6	5413.2	5322.5	5203.5	5084.5
5°	5705.0	5646.9	5637.0	5639.8	5604.4	5552.0	5475.5	5393.3	5308.3	5175.2	5053.3
2.5°	5627.1	5635.6	5590.2	5573.2	5569.0	5481.2	5410.3	5331.0	5243.2	5125.6	5016.5
0°	5569.0	5584.6	5537.8	5513.7	5512.3	5437.2	5391.9	5301.2	5238.9	5141.2	5009.4
-2.5°	5537.8	5556.2	5561.9	5518.0	5475.5	5417.4	5340.9	5243.2	5141.2	5027.8	4914.5
-5°	5540.7	5503.8	5488.2	5502.4	5465.6	5407.5	5322.5	5236.1	5135.5	5013.6	4872.0
-7.5°	5428.7	5391.9	5389.1	5382.0	5373.5	5318.2	5247.4	5153.9	5051.9	4938.6	4806.8
-10°	5261.6	5234.7	5227.6	5220.5	5197.8	5165.2	5098.7	5013.6	4921.6	4808.2	4668.0
-12.5°	5076.0	5063.2	5036.3	5017.9	4995.2	4957.0	4893.2	4815.3	4723.2	4622.6	4502.2
-15°	4870.6	4846.5	4819.6	4804.0	4771.4	4726.1	4662.3	4590.1	4489.5	4390.3	4277.0
-17.5°	4622.6	4592.9	4563.1	4558.9	4536.2	4466.8	4407.3	4319.5	4231.6	4136.7	4026.2
-20°	4330.8	4289.7	4269.9	4258.6	4227.4	4176.4	4112.6	4031.9	3946.9	3856.2	3728.7



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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°	4007.8	3972.4	3938.4	3917.1	3890.2	3850.6	3789.6	3718.8	3635.2	3533.2	3415.6
-25°	3640.9	3591.3	3570.0	3546.0	3531.8	3495.0	3435.5	3370.3	3283.9	3184.7	3072.8
-27.5°	3221.5	3181.9	3170.5	3136.5	3119.5	3081.3	3031.7	2970.8	2891.5	2798.0	2705.9
-30°	2758.3	2734.2	2715.8	2681.8	2669.0	2628.0	2595.4	2544.4	2472.1	2405.5	2331.9
-32.5°	2282.3	2258.2	2252.5	2236.9	2228.4	2201.5	2164.7	2127.9	2069.8	2020.2	1960.7
-35°	1860.1	1843.1	1844.5	1843.1	1834.6	1814.8	1769.4	1759.5	1717.0	1671.7	1633.4
-37.5°	1522.9	1524.4	1522.9	1521.5	1510.2	1501.7	1469.1	1456.4	1430.9	1386.9	1364.3
-40°	1269.4	1272.2	1270.8	1267.9	1255.2	1250.9	1229.7	1212.7	1202.8	1171.6	1147.5
-42.5°	1063.9	1068.2	1066.8	1065.3	1056.8	1055.4	1044.1	1024.3	1018.6	1000.2	974.7
-45°	908.1	906.7	903.8	906.7	902.4	898.2	891.1	878.3	871.3	862.8	841.5
-47.5°	784.8	786.3	783.4	783.4	777.8	773.5	770.7	762.2	756.5	749.4	736.7
-50°	682.8	688.5	687.1	685.7	681.4	678.6	678.6	670.1	661.6	658.8	650.3
-52.5°	603.5	607.8	609.2	612.0	613.4	614.8	610.6	602.1	587.9	586.5	582.3
-55°	531.3	544.0	552.5	558.2	563.8	568.1	559.6	548.3	534.1	528.4	527.0
-57.5°	481.7	494.4	504.3	512.8	519.9	527.0	518.5	507.2	494.4	487.3	485.9
-60°	436.3	447.7	457.6	468.9	478.8	490.2	485.9	477.4	470.3	464.7	459.0
-62.5°	388.2	399.5	410.8	425.0	437.8	449.1	450.5	449.1	447.7	449.1	439.2
-65°	348.5	354.2	361.3	376.8	391.0	403.8	410.8	415.1	422.2	429.3	419.3
-67.5°	306.0	313.1	321.6	332.9	344.3	352.8	362.7	374.0	385.3	396.7	389.6
-70°	267.8	273.4	280.5	286.2	293.3	298.9	307.4	320.2	332.9	344.3	341.4
-72.5°	228.1	233.8	238.0	240.8	245.1	247.9	252.2	263.5	272.0	277.7	277.7
-75°	188.4	194.1	198.3	199.8	202.6	204.0	206.8	211.1	215.3	216.8	218.2
-77.5°	144.5	150.2	154.4	157.3	160.1	162.9	164.3	167.2	168.6	168.6	170.0
-80°	107.7	111.9	114.8	119.0	120.4	123.3	126.1	127.5	128.9	128.9	130.3
-82.5°	76.5	79.3	82.2	85.0	87.8	89.3	92.1	93.5	94.9	96.3	97.8
-85°	51.0	53.8	56.7	59.5	60.9	62.3	63.8	65.2	66.6	68.0	69.4
-87.5°	29.8	31.2	32.6	35.4	36.8	39.7	41.1	39.7	41.1	41.1	41.1
-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°	55.3	55.3	55.3	55.3	53.8	51.0	49.6	46.8	43.9	41.1	38.3
85°	114.8	116.2	116.2	116.2	113.3	111.9	107.7	103.4	97.8	89.3	82.2
82.5°	191.3	192.7	192.7	191.3	188.4	184.2	178.5	171.4	160.1	148.8	138.8
80°	287.6	289.0	289.0	287.6	280.5	273.4	266.3	257.8	243.7	228.1	211.1
77.5°	402.3	405.2	405.2	400.9	391.0	382.5	371.2	357.0	335.8	313.1	290.4
75°	535.5	542.6	544.0	539.8	527.0	511.4	493.0	468.9	436.3	408.0	381.1
72.5°	689.9	697.0	702.7	697.0	678.6	657.3	630.4	602.1	569.5	531.3	485.9
70°	892.5	899.6	903.8	885.4	852.8	817.4	784.8	752.3	714.0	667.3	617.7
67.5°	1147.5	1140.4	1131.9	1095.1	1054.0	1011.5	966.2	918.0	868.4	818.8	760.8
65°	1392.6	1372.8	1354.4	1310.4	1258.0	1202.8	1150.3	1096.5	1037.0	974.7	919.4
62.5°	1650.4	1607.9	1562.6	1508.8	1454.9	1394.0	1341.6	1277.9	1211.3	1134.8	1063.9
60°	1904.0	1853.0	1807.7	1741.1	1670.3	1588.1	1531.4	1469.1	1391.2	1309.0	1225.4
57.5°	2149.1	2093.9	2044.3	1986.2	1909.7	1820.4	1758.1	1677.4	1595.2	1491.8	1406.8
55°	2409.8	2354.5	2314.9	2249.7	2166.1	2083.9	2015.9	1930.9	1816.2	1705.7	1600.9
52.5°	2708.7	2664.8	2622.3	2555.7	2455.1	2371.5	2296.4	2201.5	2081.1	1945.1	1819.0
50°	3043.0	3020.4	2975.0	2897.1	2782.4	2708.7	2609.5	2483.4	2354.5	2211.4	2054.2
47.5°	3486.5	3449.6	3385.9	3300.9	3204.5	3094.0	2960.9	2813.5	2630.8	2472.1	2304.9
45°	4016.3	3948.3	3866.1	3751.4	3632.4	3507.7	3361.8	3174.8	2929.7	2722.9	2547.2
42.5°	4590.1	4498.0	4386.1	4235.9	4081.5	3928.5	3771.2	3516.2	3210.2	2972.2	2773.9
40°	5189.3	5071.7	4931.5	4713.3	4541.9	4345.0	4165.1	3784.0	3458.1	3200.3	2989.2
37.5°	5775.8	5627.1	5391.9	5127.0	4927.2	4765.7	4370.5	3962.5	3670.6	3387.3	3173.4
35°	6224.9	6098.8	5683.7	5408.9	5237.5	4982.5	4488.1	4070.1	3761.3	3526.1	3193.2
32.5°	6491.3	6165.4	5801.3	5523.7	5382.0	4964.1	4496.6	4101.3	3803.8	3540.3	3142.2
30°	6431.8	6037.9	5719.2	5486.8	5179.4	4804.0	4417.2	4053.1	3764.1	3445.4	3085.5
27.5°	6073.3	5768.7	5484.0	5241.7	4940.0	4602.8	4245.8	3925.6	3656.5	3347.6	3007.6
25°	5668.2	5391.9	5180.8	4969.7	4683.6	4362.0	4047.5	3816.6	3546.0	3241.4	2905.6
22.5°	5295.6	5097.2	4931.5	4710.5	4431.4	4150.9	3955.4	3716.0	3438.3	3129.5	2800.8
20°	5057.6	4923.0	4733.1	4489.5	4269.9	4094.2	3877.5	3623.9	3337.7	3014.7	2711.5
17.5°	4942.8	4787.0	4575.9	4417.2	4248.6	4056.0	3813.7	3544.5	3240.0	2962.3	2721.5
15°	4883.3	4719.0	4580.1	4424.3	4234.5	4031.9	3762.7	3483.6	3240.0	2983.5	2728.5
12.5°	4896.1	4754.4	4602.8	4432.8	4228.8	4012.1	3768.4	3509.1	3257.0	2999.1	2730.0
10°	4935.7	4787.0	4625.5	4437.1	4231.6	4017.7	3784.0	3524.7	3265.5	3006.2	2727.1
7.5°	4949.9	4788.4	4615.6	4425.7	4224.6	4014.9	3786.8	3529.0	3266.9	3004.8	2718.6
5°	4906.0	4760.1	4592.9	4401.6	4204.7	4000.7	3775.5	3523.3	3255.5	2990.6	2697.4
2.5°	4846.5	4728.9	4568.8	4384.6	4184.9	3980.9	3757.0	3497.8	3230.0	2965.1	2670.5
0°	4836.6	4690.6	4529.1	4364.8	4152.3	3937.0	3714.5	3449.6	3183.3	2917.0	2623.7
-2.5°	4771.4	4617.0	4455.5	4277.0	4090.0	3873.2	3639.5	3380.2	3116.7	2854.6	2572.7
-5°	4721.8	4550.4	4379.0	4186.3	3997.9	3781.1	3538.9	3286.7	3028.9	2773.9	2501.9
-7.5°	4655.2	4479.6	4299.6	4098.5	3894.5	3673.5	3434.0	3181.9	2928.3	2674.7	2414.0
-10°	4520.6	4366.2	4197.6	3989.4	3774.0	3553.0	3315.0	3067.1	2813.5	2557.1	2295.0
-12.5°	4357.7	4194.8	4010.6	3819.4	3626.7	3421.3	3183.3	2939.6	2684.6	2426.8	2166.1
-15°	4146.6	3986.6	3798.1	3611.1	3425.5	3228.6	3019.0	2799.4	2540.1	2286.5	2025.9
-17.5°	3883.1	3733.0	3564.4	3385.9	3201.7	3003.4	2799.4	2613.8	2371.5	2133.5	1875.7
-20°	3599.8	3459.5	3308.0	3139.4	2955.2	2761.1	2568.5	2374.4	2164.7	1955.0	1715.6



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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°	3305.1	3163.5	3010.5	2853.2	2683.2	2503.3	2324.8	2139.2	1955.0	1765.2	1562.6
-25°	2965.1	2840.5	2700.2	2547.2	2395.6	2238.4	2068.4	1899.8	1742.5	1578.2	1412.4
-27.5°	2609.5	2494.8	2367.3	2234.1	2103.8	1972.0	1824.7	1668.9	1538.5	1402.5	1265.1
-30°	2235.5	2143.4	2040.0	1923.9	1823.3	1717.0	1593.8	1464.9	1345.9	1242.4	1131.9
-32.5°	1881.4	1803.4	1729.8	1653.3	1554.1	1471.9	1386.9	1292.0	1187.2	1089.4	1010.1
-35°	1576.8	1493.2	1462.0	1405.4	1334.5	1262.3	1199.9	1131.9	1052.6	966.2	901.0
-37.5°	1320.4	1270.8	1226.8	1195.7	1148.9	1090.8	1041.3	991.7	930.8	865.6	800.4
-40°	1120.6	1086.6	1038.4	1022.8	993.1	953.4	902.4	864.2	823.1	773.5	718.3
-42.5°	960.5	935.0	903.8	876.9	864.2	835.8	796.2	759.3	726.8	692.8	650.3
-45°	828.8	811.8	791.9	767.8	757.9	735.3	706.9	665.8	647.4	619.1	587.9
-47.5°	722.5	714.0	699.8	684.3	670.1	653.1	627.6	602.1	576.6	558.2	534.1
-50°	638.9	633.3	624.8	612.0	593.6	582.3	565.3	542.6	518.5	502.9	485.9
-52.5°	572.3	566.7	561.0	551.1	536.9	525.6	511.4	493.0	473.2	457.6	443.4
-55°	521.3	512.8	508.6	500.1	488.8	476.0	463.3	450.5	433.5	419.3	405.2
-57.5°	481.7	470.3	464.7	457.6	446.3	433.5	423.6	410.8	399.5	383.9	371.2
-60°	450.5	437.8	426.4	419.3	409.4	396.7	386.8	376.8	365.5	352.8	337.2
-62.5°	425.0	409.4	393.8	385.3	375.4	364.1	354.2	344.3	332.9	320.2	306.0
-65°	400.9	382.5	362.7	354.2	344.3	332.9	320.2	313.1	303.2	291.8	277.7
-67.5°	371.2	351.3	334.3	324.4	314.5	304.6	293.3	286.2	276.3	262.1	247.9
-70°	327.3	314.5	303.2	294.7	286.2	277.7	266.3	255.0	243.7	230.9	218.2
-72.5°	272.0	267.8	266.3	262.1	252.2	242.3	230.9	219.6	209.7	199.8	189.8
-75°	219.6	222.4	225.3	223.8	213.9	204.0	194.1	184.2	177.1	168.6	160.1
-77.5°	174.3	177.1	179.9	179.9	172.8	167.2	160.1	153.0	147.3	140.3	131.8
-80°	134.6	138.8	143.1	145.9	140.3	136.0	130.3	124.7	119.0	113.3	107.7
-82.5°	102.0	106.3	110.5	113.3	109.1	106.3	102.0	97.8	93.5	87.8	83.6
-85°	73.7	76.5	79.3	80.8	77.9	75.1	72.3	69.4	66.6	62.3	59.5
-87.5°	42.5	43.9	45.3	46.8	43.9	41.1	39.7	36.8	35.4	32.6	31.2
-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°	35.4	32.6	29.8	28.3	25.5	21.3	18.4	15.6	12.8	9.9	8.5
85°	75.1	68.0	59.5	55.3	49.6	43.9	38.3	32.6	26.9	21.3	15.6
82.5°	128.9	120.4	111.9	102.0	89.3	73.7	58.1	48.2	39.7	31.2	24.1
80°	194.1	178.5	164.3	151.6	137.4	117.6	96.3	76.5	53.8	41.1	31.2
77.5°	269.2	250.8	230.9	209.7	187.0	160.1	136.0	110.5	83.6	56.7	39.7
75°	354.2	330.1	303.2	273.4	243.7	208.3	174.3	144.5	113.3	79.3	48.2
72.5°	449.1	419.3	386.8	347.1	300.3	259.3	218.2	178.5	141.7	100.6	65.2
70°	570.9	524.2	476.0	433.5	374.0	308.8	260.7	215.3	168.6	123.3	82.2
67.5°	701.3	644.6	586.5	524.2	449.1	372.6	303.2	252.2	196.9	144.5	97.8
65°	842.9	772.1	698.4	629.0	525.6	434.9	357.0	287.6	223.8	164.3	113.3
62.5°	988.8	905.3	820.3	729.6	610.6	498.7	408.0	327.3	249.3	182.8	127.5
60°	1144.7	1046.9	943.5	830.2	691.3	568.1	456.2	368.3	276.3	201.2	143.1
57.5°	1309.0	1202.8	1080.9	927.9	774.9	634.7	511.4	405.2	300.3	218.2	154.4
55°	1487.5	1365.7	1232.5	1029.9	857.1	701.3	566.7	442.0	325.8	232.3	165.8
52.5°	1680.2	1538.5	1369.9	1137.6	943.5	769.3	617.7	474.6	349.9	247.9	175.7
50°	1895.5	1717.0	1490.4	1236.8	1018.6	833.0	668.7	510.0	369.8	264.9	184.2
47.5°	2119.4	1926.7	1598.0	1328.9	1095.1	895.3	721.1	541.2	389.6	279.1	192.7
45°	2353.1	2072.6	1709.9	1411.0	1161.7	952.0	760.8	569.5	413.7	291.8	199.8
42.5°	2584.0	2183.1	1807.7	1493.2	1224.0	1003.0	793.3	596.4	433.5	304.6	206.8
40°	2693.1	2266.7	1885.6	1549.9	1276.4	1048.3	821.7	620.5	450.5	313.1	213.9
37.5°	2738.5	2317.7	1936.6	1603.7	1317.5	1072.4	845.8	641.8	464.7	321.6	219.6
35°	2748.4	2336.1	1962.1	1640.5	1351.5	1095.1	864.2	657.3	476.0	330.1	225.3
32.5°	2730.0	2330.4	1969.2	1653.3	1372.8	1112.1	876.9	668.7	484.5	338.6	230.9
30°	2688.9	2300.7	1943.7	1651.9	1388.4	1122.0	885.4	677.2	493.0	344.3	233.8
27.5°	2622.3	2248.3	1911.1	1653.3	1396.9	1126.3	889.7	681.4	498.7	348.5	239.4
25°	2540.1	2177.4	1912.5	1650.4	1398.3	1127.7	889.7	681.4	500.1	349.9	243.7
22.5°	2445.2	2177.4	1912.5	1646.2	1389.8	1124.8	885.4	678.6	500.1	352.8	247.9
20°	2450.9	2178.9	1908.3	1637.7	1377.0	1116.3	875.5	671.5	495.8	357.0	250.8
17.5°	2455.1	2176.0	1899.8	1626.4	1360.0	1102.2	862.8	661.6	495.8	361.3	252.2
15°	2455.1	2167.5	1887.0	1609.4	1338.8	1082.3	844.3	653.1	497.3	362.7	255.0
12.5°	2450.9	2151.9	1867.2	1586.7	1313.3	1058.3	833.0	650.3	497.3	364.1	255.0
10°	2442.4	2130.7	1841.7	1558.4	1289.2	1049.8	827.3	644.6	494.4	364.1	255.0
7.5°	2426.8	2105.2	1820.4	1541.4	1275.0	1039.8	818.8	636.1	490.2	361.3	257.8
5°	2402.7	2091.0	1803.4	1521.5	1255.2	1032.8	813.2	629.0	487.3	361.3	255.0
2.5°	2371.5	2074.0	1783.6	1496.0	1232.5	1008.7	794.8	613.4	477.4	355.6	252.2
0°	2320.5	2040.0	1749.6	1460.6	1201.3	984.6	776.3	597.8	467.5	349.9	249.3
-2.5°	2273.8	1994.7	1705.7	1423.8	1171.6	963.3	762.2	589.3	463.3	348.5	247.9
-5°	2208.6	1932.4	1647.6	1375.6	1131.9	942.1	748.0	579.4	459.0	345.7	247.9
-7.5°	2136.4	1867.2	1586.7	1326.0	1092.3	905.3	721.1	563.8	449.1	340.0	246.5
-10°	2024.4	1769.4	1510.2	1269.4	1049.8	872.7	698.4	549.7	440.6	334.3	240.8
-12.5°	1905.4	1661.8	1422.4	1199.9	1001.6	838.7	672.9	534.1	430.7	328.7	238.0
-15°	1779.4	1551.3	1330.3	1127.7	949.2	797.6	646.0	517.1	420.8	321.6	233.8
-17.5°	1647.6	1435.1	1235.3	1054.0	896.8	755.1	617.7	501.5	409.4	314.5	229.5
-20°	1508.8	1316.1	1139.0	978.9	841.5	712.6	587.9	483.1	396.7	306.0	223.8



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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°	1371.4	1198.5	1039.8	905.3	784.8	668.7	558.2	464.7	382.5	296.1	219.6
-25°	1249.5	1088.0	952.0	834.4	729.6	626.2	527.0	446.3	366.9	286.2	213.9
-27.5°	1130.5	993.1	865.6	767.8	675.8	585.1	497.3	426.4	351.3	274.8	208.3
-30°	1020.0	902.4	797.6	702.7	624.8	548.3	471.8	406.6	334.3	263.5	201.2
-32.5°	919.4	824.5	736.7	646.0	576.6	511.4	447.7	386.8	317.3	252.2	194.1
-35°	825.9	752.3	675.8	599.3	528.4	477.4	422.2	365.5	301.8	239.4	187.0
-37.5°	742.3	682.8	621.9	556.8	495.8	444.8	398.1	344.3	286.2	228.1	179.9
-40°	670.1	621.9	568.1	515.7	464.7	416.5	374.0	323.0	270.6	219.6	172.8
-42.5°	603.5	566.7	522.8	478.8	433.5	391.0	349.9	300.3	255.0	209.7	165.8
-45°	552.5	515.7	480.3	440.6	402.3	365.5	324.4	280.5	240.8	198.3	158.7
-47.5°	504.3	471.8	439.2	406.6	375.4	341.4	300.3	263.5	225.3	188.4	153.0
-50°	461.8	430.7	402.3	374.0	347.1	314.5	276.3	246.5	212.5	178.5	145.9
-52.5°	422.2	395.3	366.9	344.3	321.6	289.0	257.8	229.5	199.8	167.2	138.8
-55°	386.8	361.3	335.8	314.5	293.3	264.9	239.4	215.3	187.0	158.7	131.8
-57.5°	352.8	331.5	307.4	287.6	266.3	243.7	222.4	199.8	174.3	150.2	124.7
-60°	321.6	301.8	280.5	260.7	242.3	223.8	204.0	185.6	162.9	140.3	117.6
-62.5°	290.4	273.4	255.0	235.2	221.0	204.0	188.4	170.0	151.6	131.8	104.8
-65°	262.1	246.5	229.5	212.5	199.8	187.0	172.8	155.8	140.3	121.8	93.5
-67.5°	233.8	219.6	205.4	191.3	179.9	170.0	155.8	143.1	130.3	110.5	82.2
-70°	206.8	195.5	182.8	171.4	162.9	151.6	141.7	130.3	119.0	96.3	69.4
-72.5°	181.3	170.0	160.1	151.6	144.5	134.6	126.1	117.6	102.0	80.8	58.1
-75°	151.6	144.5	138.8	131.8	124.7	117.6	110.5	100.6	85.0	65.2	45.3
-77.5°	124.7	120.4	116.2	110.5	104.8	99.2	90.7	80.8	68.0	51.0	36.8
-80°	102.0	97.8	94.9	89.3	85.0	79.3	70.8	62.3	49.6	39.7	29.8
-82.5°	77.9	75.1	72.3	69.4	65.2	59.5	51.0	43.9	36.8	29.8	22.7
-85°	55.3	53.8	51.0	48.2	43.9	39.7	34.0	29.8	25.5	19.8	15.6
-87.5°	28.3	26.9	25.5	24.1	22.7	19.8	17.0	14.2	12.8	9.9	7.1
-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°	5.7	4.3	1.4	0.0
85°	11.3	7.1	2.8	0.0
82.5°	17.0	11.3	4.3	0.0
80°	22.7	14.2	7.1	0.0
77.5°	28.3	17.0	8.5	0.0
75°	34.0	21.3	9.9	0.0
72.5°	38.3	24.1	11.3	0.0
70°	45.3	28.3	12.8	0.0
67.5°	56.7	31.2	14.2	0.0
65°	66.6	34.0	15.6	0.0
62.5°	77.9	36.8	17.0	0.0
60°	87.8	39.7	18.4	0.0
57.5°	97.8	46.8	19.8	0.0
55°	106.3	52.4	21.3	0.0
52.5°	116.2	58.1	22.7	0.0
50°	124.7	63.8	24.1	0.0
47.5°	131.8	69.4	24.1	0.0
45°	137.4	73.7	25.5	0.0
42.5°	141.7	77.9	26.9	0.0
40°	145.9	82.2	28.3	0.0
37.5°	150.2	86.4	28.3	0.0
35°	154.4	90.7	29.8	0.0
32.5°	158.7	94.9	29.8	0.0
30°	161.5	97.8	31.2	0.0
27.5°	165.8	100.6	31.2	0.0
25°	167.2	103.4	32.6	0.0
22.5°	170.0	104.8	32.6	0.0
20°	172.8	107.7	32.6	0.0
17.5°	174.3	109.1	34.0	0.0
15°	174.3	110.5	35.4	0.0
12.5°	175.7	111.9	35.4	0.0
10°	175.7	114.8	34.0	0.0
7.5°	178.5	113.3	34.0	0.0
5°	177.1	113.3	34.0	0.0
2.5°	175.7	111.9	34.0	0.0
0°	174.3	111.9	34.0	0.0
-2.5°	174.3	111.9	34.0	0.0
-5°	174.3	111.9	34.0	0.0
-7.5°	172.8	113.3	34.0	0.0
-10°	170.0	113.3	34.0	0.0
-12.5°	168.6	109.1	34.0	0.0
-15°	167.2	107.7	34.0	0.0
-17.5°	164.3	106.3	32.6	0.0
-20°	161.5	104.8	32.6	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	158.7	102.0	32.6	0.0
-25°	155.8	99.2	31.2	0.0
-27.5°	153.0	96.3	31.2	0.0
-30°	148.8	93.5	29.8	0.0
-32.5°	144.5	90.7	29.8	0.0
-35°	141.7	86.4	28.3	0.0
-37.5°	137.4	82.2	28.3	0.0
-40°	133.2	77.9	26.9	0.0
-42.5°	128.9	73.7	25.5	0.0
-45°	123.3	69.4	25.5	0.0
-47.5°	119.0	65.2	24.1	0.0
-50°	111.9	59.5	22.7	0.0
-52.5°	103.4	53.8	21.3	0.0
-55°	94.9	49.6	19.8	0.0
-57.5°	86.4	43.9	19.8	0.0
-60°	77.9	38.3	18.4	0.0
-62.5°	69.4	35.4	17.0	0.0
-65°	60.9	32.6	15.6	0.0
-67.5°	51.0	28.3	14.2	0.0
-70°	42.5	25.5	12.8	0.0
-72.5°	36.8	22.7	11.3	0.0
-75°	31.2	19.8	9.9	0.0
-77.5°	26.9	17.0	8.5	0.0
-80°	21.3	12.8	5.7	0.0
-82.5°	15.6	9.9	4.3	0.0
-85°	9.9	7.1	2.8	0.0
-87.5°	5.7	2.8	1.4	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)