

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: P722206

Luminaire Tested: **IFLD-M-SA4A-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722206
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

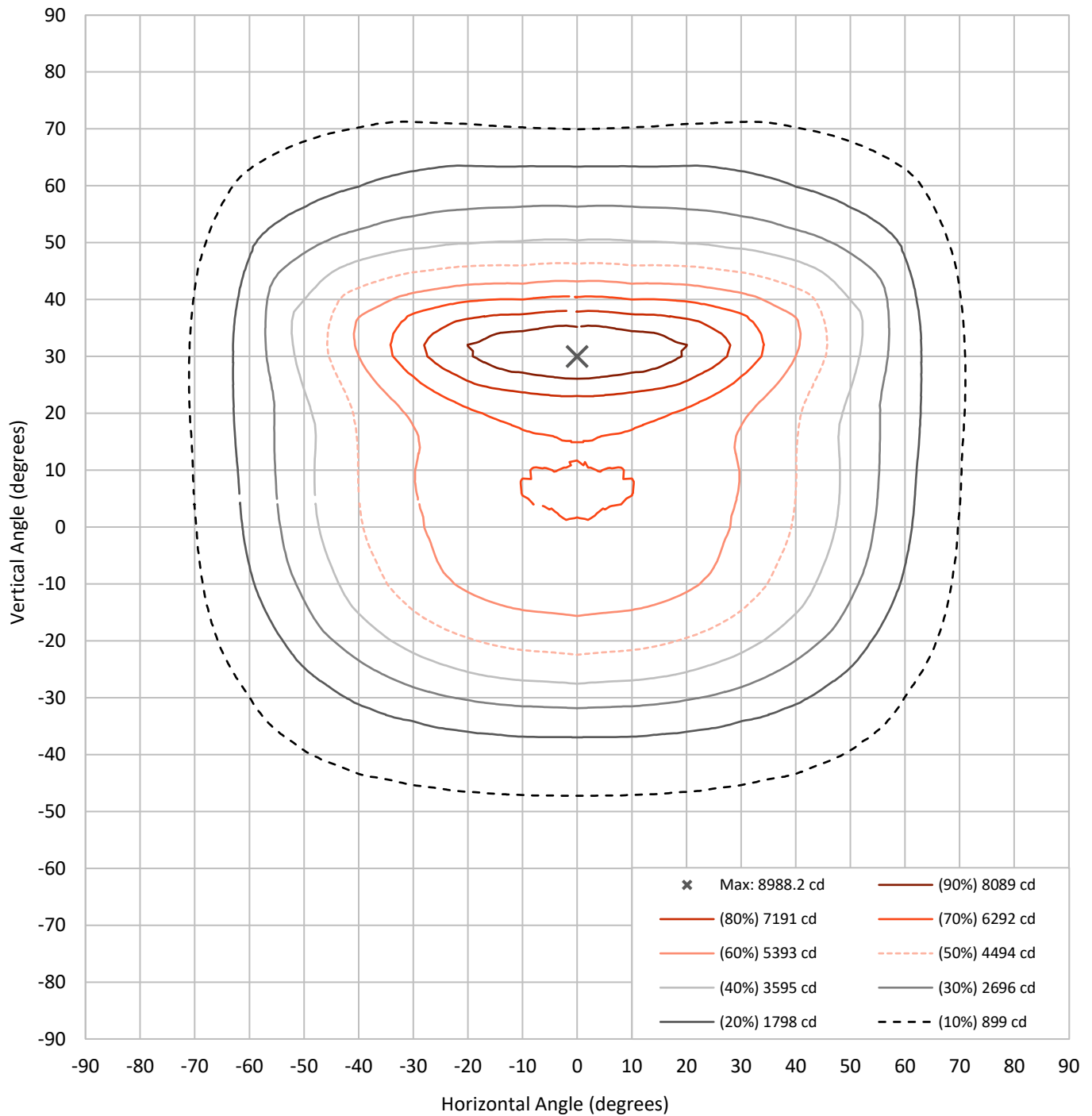
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	15003.6 lumens	Max Intensity:	8988.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	116.7 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	8724.8 lumens	Field Lumens:	14060.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 128.6
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: 28.75 FT



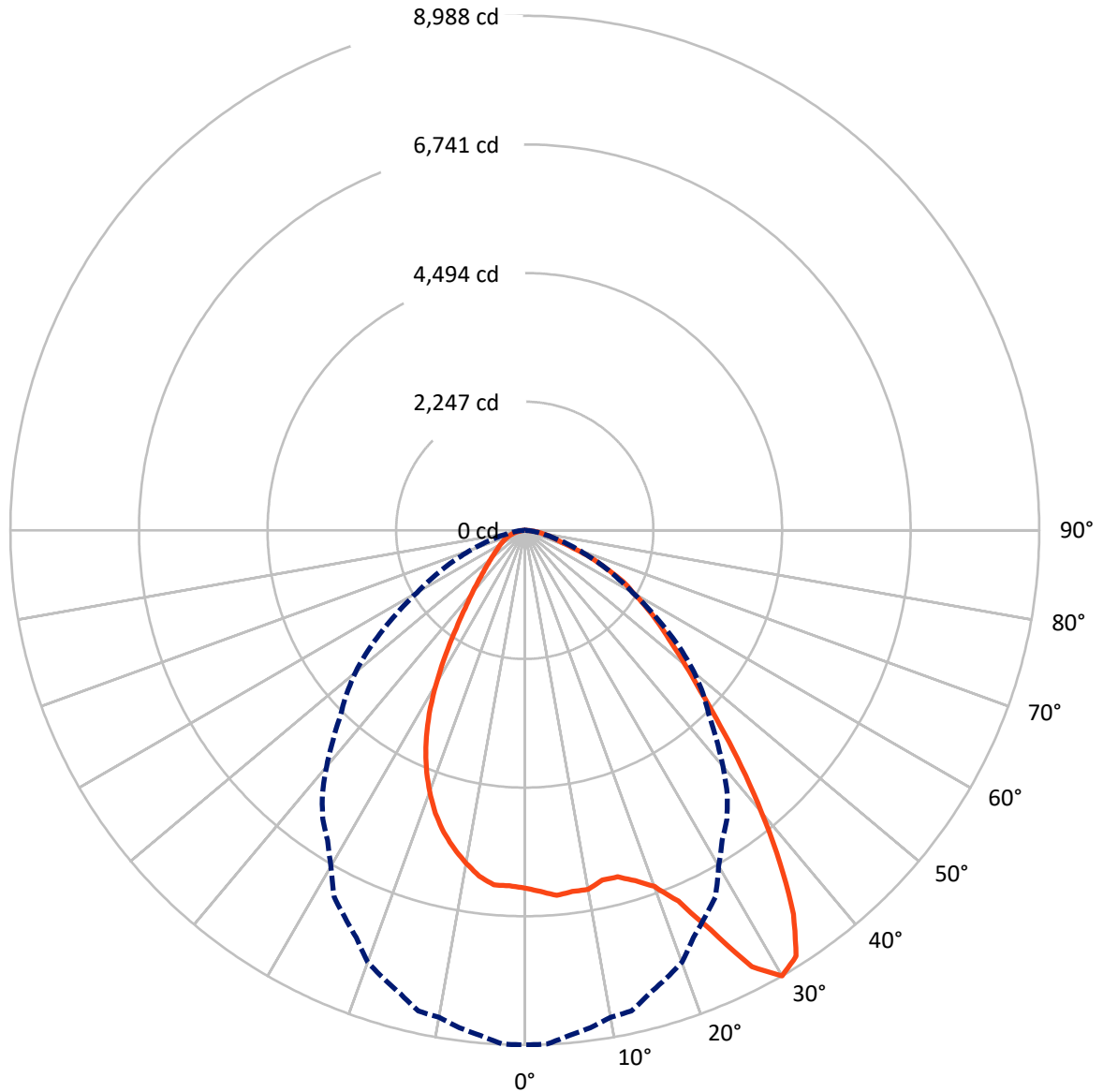
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Iso-Candela Plot



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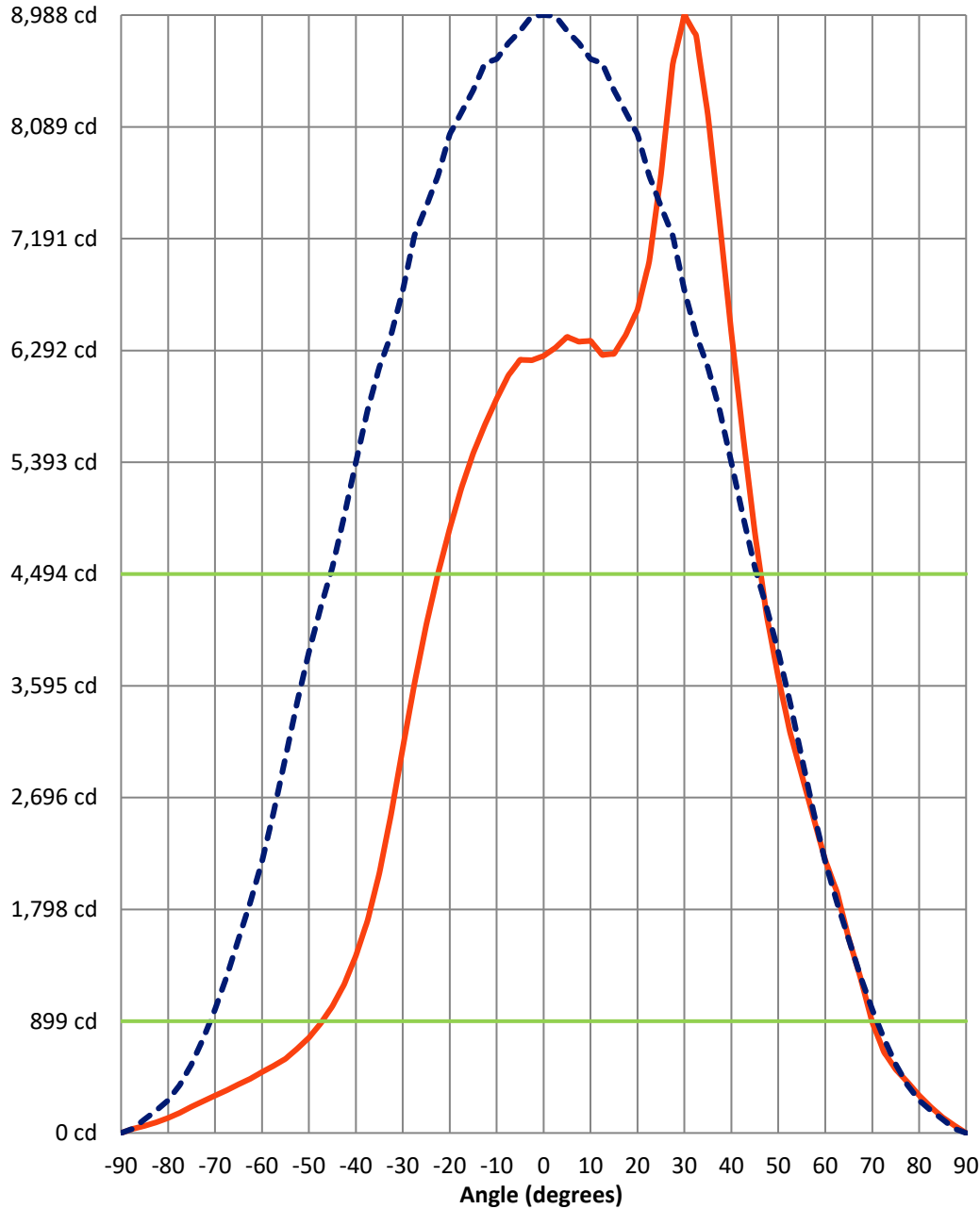
Luminous Intensity Polar Plot



— 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: 8724.8
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 14060.3
 Efficiency: 93.7%

Spill:
 Lumens: 943.3
 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°	60.4	62.0	63.6	63.6	62.0	62.0	62.0	60.4	62.0	62.0	62.0
85°	125.6	128.7	131.9	130.3	128.7	125.6	122.4	124.0	125.6	127.2	127.2
82.5°	208.2	213.0	216.2	214.6	211.4	208.2	205.0	206.6	209.8	211.4	211.4
80°	302.0	303.6	305.2	308.3	303.6	303.6	302.0	308.3	311.5	314.7	317.9
77.5°	410.1	411.7	411.7	413.3	414.8	416.4	416.4	427.6	435.5	440.3	445.0
75°	511.8	516.6	521.3	526.1	532.5	535.6	540.4	556.3	569.0	578.6	588.1
72.5°	651.7	658.0	666.0	677.1	688.2	696.2	707.3	726.4	740.7	750.2	761.3
70°	891.7	898.0	906.0	913.9	925.0	933.0	944.1	968.0	982.3	988.6	995.0
67.5°	1247.7	1263.6	1277.9	1262.0	1254.1	1242.9	1246.1	1268.4	1282.7	1292.2	1290.6
65°	1564.0	1575.1	1575.1	1573.5	1567.2	1552.9	1560.8	1587.8	1603.7	1611.7	1587.8
62.5°	1935.9	1935.9	1928.0	1940.7	1942.3	1932.7	1928.0	1929.6	1931.2	1935.9	1896.2
60°	2193.4	2209.3	2214.1	2225.2	2228.4	2228.4	2236.3	2242.7	2242.7	2233.1	2187.1
57.5°	2533.6	2563.8	2570.1	2562.2	2546.3	2525.6	2522.4	2512.9	2493.8	2474.7	2452.5
55°	2876.9	2892.8	2891.2	2886.4	2870.5	2846.7	2849.8	2837.1	2806.9	2783.1	2752.9
52.5°	3221.8	3259.9	3266.3	3256.7	3234.5	3209.1	3210.6	3196.3	3166.1	3140.7	3099.4
50°	3662.0	3693.8	3690.7	3674.8	3643.0	3623.9	3625.5	3598.5	3563.5	3555.6	3501.5
47.5°	4165.9	4202.5	4196.1	4173.8	4130.9	4123.0	4130.9	4096.0	4075.3	4057.8	3994.2
45°	4827.1	4870.0	4846.2	4803.3	4734.9	4742.9	4754.0	4747.6	4703.1	4657.0	4576.0
42.5°	5602.7	5629.8	5601.2	5558.2	5472.4	5488.3	5481.9	5443.8	5416.8	5340.5	5237.2
40°	6432.4	6491.2	6446.7	6380.0	6291.0	6314.8	6297.3	6248.0	6184.5	6089.1	5958.8
37.5°	7327.3	7373.4	7322.5	7244.6	7165.1	7157.2	7122.2	7045.9	6955.3	6850.4	6642.2
35°	8184.0	8303.2	8209.4	8085.4	7988.5	7951.9	7918.5	7742.1	7638.8	7468.7	7184.2
32.5°	8821.3	8908.8	8792.7	8664.0	8546.4	8495.5	8377.9	8168.1	8112.4	7754.8	7494.2
30°	8988.2	8981.9	8861.1	8762.5	8635.4	8600.4	8384.2	8206.2	8028.2	7697.6	7449.7
27.5°	8590.9	8551.1	8435.1	8349.3	8223.7	8182.4	7969.4	7874.0	7599.1	7319.3	7109.5
25°	7705.6	7726.2	7638.8	7595.9	7513.2	7424.2	7340.0	7211.2	7039.6	6794.8	6602.5
22.5°	7007.8	7034.8	6998.3	6947.4	6883.8	6834.5	6771.0	6670.8	6505.5	6354.5	6173.3
20°	6620.0	6612.0	6580.2	6542.1	6481.7	6446.7	6376.8	6292.6	6165.4	6035.1	5839.6
17.5°	6416.5	6367.3	6337.1	6322.8	6291.0	6246.5	6163.8	6078.0	5979.4	5831.6	5688.6
15°	6265.5	6273.5	6249.6	6238.5	6213.1	6151.1	6066.9	5996.9	5863.4	5788.7	5658.4
12.5°	6256.0	6248.0	6249.6	6244.9	6213.1	6133.6	6090.7	6001.7	5915.9	5817.3	5667.9
10°	6368.8	6284.6	6291.0	6313.2	6262.4	6198.8	6152.7	6055.7	5974.7	5849.1	5701.3
7.5°	6362.5	6319.6	6332.3	6295.7	6311.6	6233.7	6170.2	6073.2	5971.5	5838.0	5704.5
5°	6400.6	6335.5	6324.3	6327.5	6287.8	6229.0	6143.1	6051.0	5955.6	5806.2	5669.5
2.5°	6313.2	6322.8	6271.9	6252.8	6248.0	6149.5	6070.0	5981.0	5882.5	5750.6	5628.2
0°	6248.0	6265.5	6213.1	6186.1	6184.5	6100.2	6049.4	5947.6	5877.7	5768.0	5620.2
-2.5°	6213.1	6233.7	6240.1	6190.8	6143.1	6078.0	5992.1	5882.5	5768.0	5640.9	5513.7
-5°	6216.3	6174.9	6157.5	6173.3	6132.0	6066.9	5971.5	5874.5	5761.7	5625.0	5466.0
-7.5°	6090.7	6049.4	6046.2	6038.2	6028.7	5966.7	5887.2	5782.3	5667.9	5540.8	5392.9
-10°	5903.1	5872.9	5865.0	5857.0	5831.6	5795.1	5720.4	5625.0	5521.7	5394.5	5237.2
-12.5°	5694.9	5680.6	5650.4	5629.8	5604.3	5561.4	5489.9	5402.5	5299.2	5186.3	5051.2
-15°	5464.5	5437.4	5407.2	5389.8	5353.2	5302.3	5230.8	5149.8	5036.9	4925.6	4798.5
-17.5°	5186.3	5152.9	5119.6	5114.8	5089.4	5011.5	4944.7	4846.2	4747.6	4641.1	4517.2
-20°	4858.9	4812.8	4790.5	4777.8	4742.9	4685.6	4614.1	4523.5	4428.2	4326.4	4183.4



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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°	4496.5	4456.8	4418.6	4394.8	4364.6	4320.1	4251.7	4172.3	4078.5	3964.0	3832.1
-25°	4084.8	4029.2	4005.4	3978.3	3962.4	3921.1	3854.4	3781.3	3684.3	3573.0	3447.5
-27.5°	3614.4	3569.9	3557.1	3519.0	3499.9	3457.0	3401.4	3333.0	3244.0	3139.1	3035.8
-30°	3094.6	3067.6	3046.9	3008.8	2994.5	2948.4	2911.8	2854.6	2773.6	2698.9	2616.2
-32.5°	2560.6	2533.6	2527.2	2509.7	2500.2	2470.0	2428.6	2387.3	2322.2	2266.5	2199.8
-35°	2086.9	2067.8	2069.4	2067.8	2058.3	2036.1	1985.2	1974.1	1926.4	1875.5	1832.6
-37.5°	1708.6	1710.2	1708.6	1707.0	1694.3	1684.8	1648.2	1633.9	1605.3	1556.1	1530.6
-40°	1424.1	1427.3	1425.7	1422.5	1408.2	1403.5	1379.6	1360.6	1349.4	1314.5	1287.4
-42.5°	1193.7	1198.4	1196.8	1195.3	1185.7	1184.1	1171.4	1149.2	1142.8	1122.1	1093.5
-45°	1018.8	1017.2	1014.1	1017.2	1012.5	1007.7	999.8	985.4	977.5	968.0	944.1
-47.5°	880.5	882.1	879.0	879.0	872.6	867.8	864.6	855.1	848.8	840.8	826.5
-50°	766.1	772.5	770.9	769.3	764.5	761.3	761.3	751.8	742.3	739.1	729.5
-52.5°	677.1	681.9	683.5	686.6	688.2	689.8	685.0	675.5	659.6	658.0	653.3
-55°	596.0	610.3	619.9	626.2	632.6	637.4	627.8	615.1	599.2	592.9	591.3
-57.5°	540.4	554.7	565.8	575.4	583.3	591.3	581.7	569.0	554.7	546.8	545.2
-60°	489.5	502.3	513.4	526.1	537.2	549.9	545.2	535.6	527.7	521.3	515.0
-62.5°	435.5	448.2	460.9	476.8	491.1	503.8	505.4	503.8	502.3	503.8	492.7
-65°	391.0	397.4	405.3	422.8	438.7	453.0	460.9	465.7	473.7	481.6	470.5
-67.5°	343.3	351.3	360.8	373.5	386.2	395.8	406.9	419.6	432.3	445.0	437.1
-70°	300.4	306.8	314.7	321.1	329.0	335.4	344.9	359.2	373.5	386.2	383.1
-72.5°	255.9	262.3	267.0	270.2	275.0	278.2	282.9	295.6	305.2	311.5	311.5
-75°	211.4	217.8	222.5	224.1	227.3	228.9	232.1	236.8	241.6	243.2	244.8
-77.5°	162.1	168.5	173.2	176.4	179.6	182.8	184.4	187.6	189.1	189.1	190.7
-80°	120.8	125.6	128.7	133.5	135.1	138.3	141.5	143.0	144.6	144.6	146.2
-82.5°	85.8	89.0	92.2	95.4	98.5	100.1	103.3	104.9	106.5	108.1	109.7
-85°	57.2	60.4	63.6	66.8	68.3	69.9	71.5	73.1	74.7	76.3	77.9
-87.5°	33.4	35.0	36.6	39.7	41.3	44.5	46.1	44.5	46.1	46.1	46.1
-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°	62.0	62.0	62.0	62.0	60.4	57.2	55.6	52.5	49.3	46.1	42.9
85°	128.7	130.3	130.3	130.3	127.2	125.6	120.8	116.0	109.7	100.1	92.2
82.5°	214.6	216.2	216.2	214.6	211.4	206.6	200.3	192.3	179.6	166.9	155.8
80°	322.7	324.2	324.2	322.7	314.7	306.8	298.8	289.3	273.4	255.9	236.8
77.5°	451.4	454.6	454.6	449.8	438.7	429.1	416.4	400.5	376.7	351.3	325.8
75°	600.8	608.8	610.3	605.6	591.3	573.8	553.1	526.1	489.5	457.8	427.6
72.5°	774.1	782.0	788.4	782.0	761.3	737.5	707.3	675.5	639.0	596.0	545.2
70°	1001.3	1009.3	1014.1	993.4	956.8	917.1	880.5	844.0	801.1	748.6	693.0
67.5°	1287.4	1279.5	1270.0	1228.6	1182.5	1134.9	1084.0	1030.0	974.3	918.7	853.5
65°	1562.4	1540.2	1519.5	1470.2	1411.4	1349.4	1290.6	1230.2	1163.5	1093.5	1031.5
62.5°	1851.7	1804.0	1753.1	1692.7	1632.3	1564.0	1505.2	1433.7	1359.0	1273.1	1193.7
60°	2136.2	2079.0	2028.1	1953.4	1873.9	1781.8	1718.2	1648.2	1560.8	1468.6	1374.9
57.5°	2411.2	2349.2	2293.5	2228.4	2142.6	2042.4	1972.5	1881.9	1789.7	1673.7	1578.3
55°	2703.6	2641.6	2597.1	2524.0	2430.2	2338.1	2261.8	2166.4	2037.6	1913.7	1796.1
52.5°	3039.0	2989.7	2942.0	2867.3	2754.5	2660.7	2576.5	2470.0	2334.9	2182.3	2040.8
50°	3414.1	3388.7	3337.8	3250.4	3121.6	3039.0	2927.7	2786.3	2641.6	2481.1	2304.7
47.5°	3911.6	3870.3	3798.7	3703.4	3595.3	3471.3	3321.9	3156.6	2951.6	2773.6	2586.0
45°	4506.0	4429.7	4337.6	4208.8	4075.3	3935.4	3771.7	3561.9	3286.9	3054.9	2857.8
42.5°	5149.8	5046.4	4920.9	4752.4	4579.1	4407.5	4231.1	3945.0	3601.6	3334.6	3112.1
40°	5822.1	5690.2	5532.8	5288.0	5095.7	4874.8	4672.9	4245.4	3879.8	3590.5	3353.7
37.5°	6480.1	6313.2	6049.4	5752.1	5528.0	5346.8	4903.4	4445.6	4118.2	3800.3	3560.3
35°	6984.0	6842.5	6376.8	6068.4	5876.1	5590.0	5035.3	4566.4	4219.9	3956.1	3582.6
32.5°	7282.8	6917.2	6508.7	6197.2	6038.2	5569.4	5044.8	4601.4	4267.6	3972.0	3525.4
30°	7216.0	6774.1	6416.5	6155.9	5811.0	5389.8	4955.8	4547.4	4223.1	3865.5	3461.8
27.5°	6813.9	6472.2	6152.7	5880.9	5542.3	5164.1	4763.5	4404.3	4102.3	3755.8	3374.4
25°	6359.3	6049.4	5812.5	5575.7	5254.7	4893.9	4541.0	4281.9	3978.3	3636.6	3259.9
22.5°	5941.3	5718.8	5532.8	5284.9	4971.7	4657.0	4437.7	4169.1	3857.5	3511.1	3142.3
20°	5674.3	5523.3	5310.3	5036.9	4790.5	4593.5	4350.3	4065.8	3744.7	3382.3	3042.2
17.5°	5545.5	5370.7	5133.9	4955.8	4766.7	4550.5	4278.7	3976.8	3635.0	3323.5	3053.3
15°	5478.8	5294.4	5138.6	4963.8	4750.8	4523.5	4221.5	3908.4	3635.0	3347.3	3061.2
12.5°	5493.1	5334.1	5164.1	4973.3	4744.4	4501.3	4227.9	3937.0	3654.1	3364.8	3062.8
10°	5537.6	5370.7	5189.5	4978.1	4747.6	4507.6	4245.4	3954.5	3663.6	3372.8	3059.7
7.5°	5553.5	5372.3	5178.4	4965.4	4739.7	4504.4	4248.5	3959.3	3665.2	3371.2	3050.1
5°	5504.2	5340.5	5152.9	4938.4	4717.4	4488.5	4235.8	3952.9	3652.5	3355.3	3026.3
2.5°	5437.4	5305.5	5125.9	4919.3	4695.2	4466.3	4215.2	3924.3	3623.9	3326.7	2996.1
0°	5426.3	5262.6	5081.4	4897.0	4658.6	4417.0	4167.5	3870.3	3571.4	3272.6	2943.6
-2.5°	5353.2	5180.0	4998.8	4798.5	4588.7	4345.5	4083.2	3792.4	3496.7	3202.7	2886.4
-5°	5297.6	5105.2	4912.9	4696.8	4485.4	4242.2	3970.4	3687.5	3398.2	3112.1	2806.9
-7.5°	5222.9	5025.8	4823.9	4598.2	4369.3	4121.4	3852.8	3569.9	3285.4	3000.8	2708.4
-10°	5071.9	4898.6	4709.5	4475.8	4234.2	3986.3	3719.3	3441.1	3156.6	2868.9	2574.9
-12.5°	4889.1	4706.3	4499.7	4285.1	4068.9	3838.5	3571.4	3298.1	3012.0	2722.7	2430.2
-15°	4652.3	4472.7	4261.3	4051.5	3843.2	3622.3	3387.1	3140.7	2849.8	2565.3	2272.9
-17.5°	4356.6	4188.1	3999.0	3798.7	3592.1	3369.6	3140.7	2932.5	2660.7	2393.7	2104.4
-20°	4038.7	3881.4	3711.3	3522.2	3315.6	3097.8	2881.6	2663.9	2428.6	2193.4	1924.8



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 CATALOG NUMBER: IFLD-M-SA4A-830-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3708.1	3549.2	3377.5	3201.1	3010.4	2808.5	2608.3	2400.0	2193.4	1980.4	1753.1
-25°	3326.7	3186.8	3029.5	2857.8	2687.7	2511.3	2320.6	2131.4	1955.0	1770.6	1584.7
-27.5°	2927.7	2799.0	2655.9	2506.5	2360.3	2212.5	2047.2	1872.3	1726.1	1573.5	1419.4
-30°	2508.1	2404.8	2288.8	2158.4	2045.6	1926.4	1788.1	1643.5	1510.0	1393.9	1270.0
-32.5°	2110.8	2023.3	1940.7	1854.9	1743.6	1651.4	1556.1	1449.6	1331.9	1222.3	1133.3
-35°	1769.0	1675.3	1640.3	1576.7	1497.2	1416.2	1346.2	1270.0	1180.9	1084.0	1010.9
-37.5°	1481.3	1425.7	1376.4	1341.5	1289.0	1223.9	1168.2	1112.6	1044.3	971.1	898.0
-40°	1257.2	1219.1	1165.1	1147.6	1114.2	1069.7	1012.5	969.6	923.5	867.8	805.8
-42.5°	1077.6	1049.0	1014.1	983.9	969.6	937.8	893.3	851.9	815.4	777.2	729.5
-45°	929.8	910.7	888.5	861.5	850.3	824.9	793.1	747.0	726.4	694.6	659.6
-47.5°	810.6	801.1	785.2	767.7	751.8	732.7	704.1	675.5	646.9	626.2	599.2
-50°	716.8	710.5	700.9	686.6	666.0	653.3	634.2	608.8	581.7	564.2	545.2
-52.5°	642.1	635.8	629.4	618.3	602.4	589.7	573.8	553.1	530.9	513.4	497.5
-55°	584.9	575.4	570.6	561.1	548.4	534.0	519.7	505.4	486.4	470.5	454.6
-57.5°	540.4	527.7	521.3	513.4	500.7	486.4	475.2	460.9	448.2	430.7	416.4
-60°	505.4	491.1	478.4	470.5	459.3	445.0	433.9	422.8	410.1	395.8	378.3
-62.5°	476.8	459.3	441.9	432.3	421.2	408.5	397.4	386.2	373.5	359.2	343.3
-65°	449.8	429.1	406.9	397.4	386.2	373.5	359.2	351.3	340.1	327.4	311.5
-67.5°	416.4	394.2	375.1	364.0	352.9	341.7	329.0	321.1	309.9	294.0	278.2
-70°	367.2	352.9	340.1	330.6	321.1	311.5	298.8	286.1	273.4	259.1	244.8
-72.5°	305.2	300.4	298.8	294.0	282.9	271.8	259.1	246.4	235.2	224.1	213.0
-75°	246.4	249.5	252.7	251.1	240.0	228.9	217.8	206.6	198.7	189.1	179.6
-77.5°	195.5	198.7	201.9	201.9	193.9	187.6	179.6	171.7	165.3	157.4	147.8
-80°	151.0	155.8	160.5	163.7	157.4	152.6	146.2	139.9	133.5	127.2	120.8
-82.5°	114.4	119.2	124.0	127.2	122.4	119.2	114.4	109.7	104.9	98.5	93.8
-85°	82.7	85.8	89.0	90.6	87.4	84.2	81.1	77.9	74.7	69.9	66.8
-87.5°	47.7	49.3	50.9	52.5	49.3	46.1	44.5	41.3	39.7	36.6	35.0
-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°	39.7	36.6	33.4	31.8	28.6	23.8	20.7	17.5	14.3	11.1	9.5
85°	84.2	76.3	66.8	62.0	55.6	49.3	42.9	36.6	30.2	23.8	17.5
82.5°	144.6	135.1	125.6	114.4	100.1	82.7	65.2	54.0	44.5	35.0	27.0
80°	217.8	200.3	184.4	170.1	154.2	131.9	108.1	85.8	60.4	46.1	35.0
77.5°	302.0	281.3	259.1	235.2	209.8	179.6	152.6	124.0	93.8	63.6	44.5
75°	397.4	370.3	340.1	306.8	273.4	233.6	195.5	162.1	127.2	89.0	54.0
72.5°	503.8	470.5	433.9	389.4	337.0	290.9	244.8	200.3	158.9	112.8	73.1
70°	640.5	588.1	534.0	486.4	419.6	346.5	292.5	241.6	189.1	138.3	92.2
67.5°	786.8	723.2	658.0	588.1	503.8	418.0	340.1	282.9	220.9	162.1	109.7
65°	945.7	866.2	783.6	705.7	589.7	488.0	400.5	322.7	251.1	184.4	127.2
62.5°	1109.4	1015.6	920.3	818.6	685.0	559.5	457.8	367.2	279.7	205.0	143.0
60°	1284.3	1174.6	1058.6	931.4	775.6	637.4	511.8	413.3	309.9	225.7	160.5
57.5°	1468.6	1349.4	1212.7	1041.1	869.4	712.1	573.8	454.6	337.0	244.8	173.2
55°	1668.9	1532.2	1382.8	1155.5	961.6	786.8	635.8	495.9	365.6	260.7	186.0
52.5°	1885.1	1726.1	1537.0	1276.3	1058.6	863.1	693.0	532.5	392.6	278.2	197.1
50°	2126.7	1926.4	1672.1	1387.6	1142.8	934.6	750.2	572.2	414.8	297.2	206.6
47.5°	2377.8	2161.6	1792.9	1490.9	1228.6	1004.5	809.0	607.2	437.1	313.1	216.2
45°	2640.0	2325.3	1918.4	1583.1	1303.3	1068.1	853.5	639.0	464.1	327.4	224.1
42.5°	2899.1	2449.3	2028.1	1675.3	1373.3	1125.3	890.1	669.1	486.4	341.7	232.1
40°	3021.5	2543.1	2115.5	1738.8	1432.1	1176.2	921.9	696.2	505.4	351.3	240.0
37.5°	3072.4	2600.3	2172.8	1799.2	1478.2	1203.2	948.9	720.0	521.3	360.8	246.4
35°	3083.5	2621.0	2201.4	1840.6	1516.3	1228.6	969.6	737.5	534.0	370.3	252.7
32.5°	3062.8	2614.6	2209.3	1854.9	1540.2	1247.7	983.9	750.2	543.6	379.9	259.1
30°	3016.7	2581.2	2180.7	1853.3	1557.6	1258.8	993.4	759.7	553.1	386.2	262.3
27.5°	2942.0	2522.4	2144.1	1854.9	1567.2	1263.6	998.2	764.5	559.5	391.0	268.6
25°	2849.8	2443.0	2145.7	1851.7	1568.8	1265.2	998.2	764.5	561.1	392.6	273.4
22.5°	2743.4	2443.0	2145.7	1846.9	1559.2	1262.0	993.4	761.3	561.1	395.8	278.2
20°	2749.7	2444.5	2141.0	1837.4	1544.9	1252.5	982.3	753.4	556.3	400.5	281.3
17.5°	2754.5	2441.4	2131.4	1824.7	1525.9	1236.6	968.0	742.3	556.3	405.3	282.9
15°	2754.5	2431.8	2117.1	1805.6	1502.0	1214.3	947.3	732.7	557.9	406.9	286.1
12.5°	2749.7	2414.3	2094.9	1780.2	1473.4	1187.3	934.6	729.5	557.9	408.5	286.1
10°	2740.2	2390.5	2066.3	1748.4	1446.4	1177.8	928.2	723.2	554.7	408.5	286.1
7.5°	2722.7	2361.9	2042.4	1729.3	1430.5	1166.6	918.7	713.7	549.9	405.3	289.3
5°	2695.7	2346.0	2023.3	1707.0	1408.2	1158.7	912.3	705.7	546.8	405.3	286.1
2.5°	2660.7	2326.9	2001.1	1678.4	1382.8	1131.7	891.7	688.2	535.6	398.9	282.9
0°	2603.5	2288.8	1962.9	1638.7	1347.8	1104.7	871.0	670.7	524.5	392.6	279.7
-2.5°	2551.0	2237.9	1913.7	1597.4	1314.5	1080.8	855.1	661.2	519.7	391.0	278.2
-5°	2477.9	2168.0	1848.5	1543.3	1270.0	1057.0	839.2	650.1	515.0	387.8	278.2
-7.5°	2396.9	2094.9	1780.2	1487.7	1225.5	1015.6	809.0	632.6	503.8	381.5	276.6
-10°	2271.3	1985.2	1694.3	1424.1	1177.8	979.1	783.6	616.7	494.3	375.1	270.2
-12.5°	2137.8	1864.4	1595.8	1346.2	1123.7	940.9	755.0	599.2	483.2	368.7	267.0
-15°	1996.3	1740.4	1492.5	1265.2	1064.9	894.8	724.8	580.1	472.1	360.8	262.3
-17.5°	1848.5	1610.1	1386.0	1182.5	1006.1	847.2	693.0	562.7	459.3	352.9	257.5
-20°	1692.7	1476.6	1277.9	1098.3	944.1	799.5	659.6	542.0	445.0	343.3	251.1



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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°	1538.6	1344.7	1166.6	1015.6	880.5	750.2	626.2	521.3	429.1	332.2	246.4
-25°	1401.9	1220.7	1068.1	936.2	818.6	702.5	591.3	500.7	411.7	321.1	240.0
-27.5°	1268.4	1114.2	971.1	861.5	758.2	656.4	557.9	478.4	394.2	308.3	233.6
-30°	1144.4	1012.5	894.8	788.4	700.9	615.1	529.3	456.2	375.1	295.6	225.7
-32.5°	1031.5	925.0	826.5	724.8	646.9	573.8	502.3	433.9	356.0	282.9	217.8
-35°	926.6	844.0	758.2	672.3	592.9	535.6	473.7	410.1	338.5	268.6	209.8
-37.5°	832.9	766.1	697.8	624.6	556.3	499.1	446.6	386.2	321.1	255.9	201.9
-40°	751.8	697.8	637.4	578.6	521.3	467.3	419.6	362.4	303.6	246.4	193.9
-42.5°	677.1	635.8	586.5	537.2	486.4	438.7	392.6	337.0	286.1	235.2	186.0
-45°	619.9	578.6	538.8	494.3	451.4	410.1	364.0	314.7	270.2	222.5	178.0
-47.5°	565.8	529.3	492.7	456.2	421.2	383.1	337.0	295.6	252.7	211.4	171.7
-50°	518.2	483.2	451.4	419.6	389.4	352.9	309.9	276.6	238.4	200.3	163.7
-52.5°	473.7	443.5	411.7	386.2	360.8	324.2	289.3	257.5	224.1	187.6	155.8
-55°	433.9	405.3	376.7	352.9	329.0	297.2	268.6	241.6	209.8	178.0	147.8
-57.5°	395.8	371.9	344.9	322.7	298.8	273.4	249.5	224.1	195.5	168.5	139.9
-60°	360.8	338.5	314.7	292.5	271.8	251.1	228.9	208.2	182.8	157.4	131.9
-62.5°	325.8	306.8	286.1	263.8	248.0	228.9	211.4	190.7	170.1	147.8	117.6
-65°	294.0	276.6	257.5	238.4	224.1	209.8	193.9	174.8	157.4	136.7	104.9
-67.5°	262.3	246.4	230.5	214.6	201.9	190.7	174.8	160.5	146.2	124.0	92.2
-70°	232.1	219.3	205.0	192.3	182.8	170.1	158.9	146.2	133.5	108.1	77.9
-72.5°	203.4	190.7	179.6	170.1	162.1	151.0	141.5	131.9	114.4	90.6	65.2
-75°	170.1	162.1	155.8	147.8	139.9	131.9	124.0	112.8	95.4	73.1	50.9
-77.5°	139.9	135.1	130.3	124.0	117.6	111.3	101.7	90.6	76.3	57.2	41.3
-80°	114.4	109.7	106.5	100.1	95.4	89.0	79.5	69.9	55.6	44.5	33.4
-82.5°	87.4	84.2	81.1	77.9	73.1	66.8	57.2	49.3	41.3	33.4	25.4
-85°	62.0	60.4	57.2	54.0	49.3	44.5	38.1	33.4	28.6	22.3	17.5
-87.5°	31.8	30.2	28.6	27.0	25.4	22.3	19.1	15.9	14.3	11.1	7.9
-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°	6.4	4.8	1.6	0.0
85°	12.7	7.9	3.2	0.0
82.5°	19.1	12.7	4.8	0.0
80°	25.4	15.9	7.9	0.0
77.5°	31.8	19.1	9.5	0.0
75°	38.1	23.8	11.1	0.0
72.5°	42.9	27.0	12.7	0.0
70°	50.9	31.8	14.3	0.0
67.5°	63.6	35.0	15.9	0.0
65°	74.7	38.1	17.5	0.0
62.5°	87.4	41.3	19.1	0.0
60°	98.5	44.5	20.7	0.0
57.5°	109.7	52.5	22.3	0.0
55°	119.2	58.8	23.8	0.0
52.5°	130.3	65.2	25.4	0.0
50°	139.9	71.5	27.0	0.0
47.5°	147.8	77.9	27.0	0.0
45°	154.2	82.7	28.6	0.0
42.5°	158.9	87.4	30.2	0.0
40°	163.7	92.2	31.8	0.0
37.5°	168.5	97.0	31.8	0.0
35°	173.2	101.7	33.4	0.0
32.5°	178.0	106.5	33.4	0.0
30°	181.2	109.7	35.0	0.0
27.5°	186.0	112.8	35.0	0.0
25°	187.6	116.0	36.6	0.0
22.5°	190.7	117.6	36.6	0.0
20°	193.9	120.8	36.6	0.0
17.5°	195.5	122.4	38.1	0.0
15°	195.5	124.0	39.7	0.0
12.5°	197.1	125.6	39.7	0.0
10°	197.1	128.7	38.1	0.0
7.5°	200.3	127.2	38.1	0.0
5°	198.7	127.2	38.1	0.0
2.5°	197.1	125.6	38.1	0.0
0°	195.5	125.6	38.1	0.0
-2.5°	195.5	125.6	38.1	0.0
-5°	195.5	125.6	38.1	0.0
-7.5°	193.9	127.2	38.1	0.0
-10°	190.7	127.2	38.1	0.0
-12.5°	189.1	122.4	38.1	0.0
-15°	187.6	120.8	38.1	0.0
-17.5°	184.4	119.2	36.6	0.0
-20°	181.2	117.6	36.6	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	178.0	114.4	36.6	0.0
-25°	174.8	111.3	35.0	0.0
-27.5°	171.7	108.1	35.0	0.0
-30°	166.9	104.9	33.4	0.0
-32.5°	162.1	101.7	33.4	0.0
-35°	158.9	97.0	31.8	0.0
-37.5°	154.2	92.2	31.8	0.0
-40°	149.4	87.4	30.2	0.0
-42.5°	144.6	82.7	28.6	0.0
-45°	138.3	77.9	28.6	0.0
-47.5°	133.5	73.1	27.0	0.0
-50°	125.6	66.8	25.4	0.0
-52.5°	116.0	60.4	23.8	0.0
-55°	106.5	55.6	22.3	0.0
-57.5°	97.0	49.3	22.3	0.0
-60°	87.4	42.9	20.7	0.0
-62.5°	77.9	39.7	19.1	0.0
-65°	68.3	36.6	17.5	0.0
-67.5°	57.2	31.8	15.9	0.0
-70°	47.7	28.6	14.3	0.0
-72.5°	41.3	25.4	12.7	0.0
-75°	35.0	22.3	11.1	0.0
-77.5°	30.2	19.1	9.5	0.0
-80°	23.8	14.3	6.4	0.0
-82.5°	17.5	11.1	4.8	0.0
-85°	11.1	7.9	3.2	0.0
-87.5°	6.4	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)