

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: P722235

Luminaire Tested: **IFLD-M-SA4A-927-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722235
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-927-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

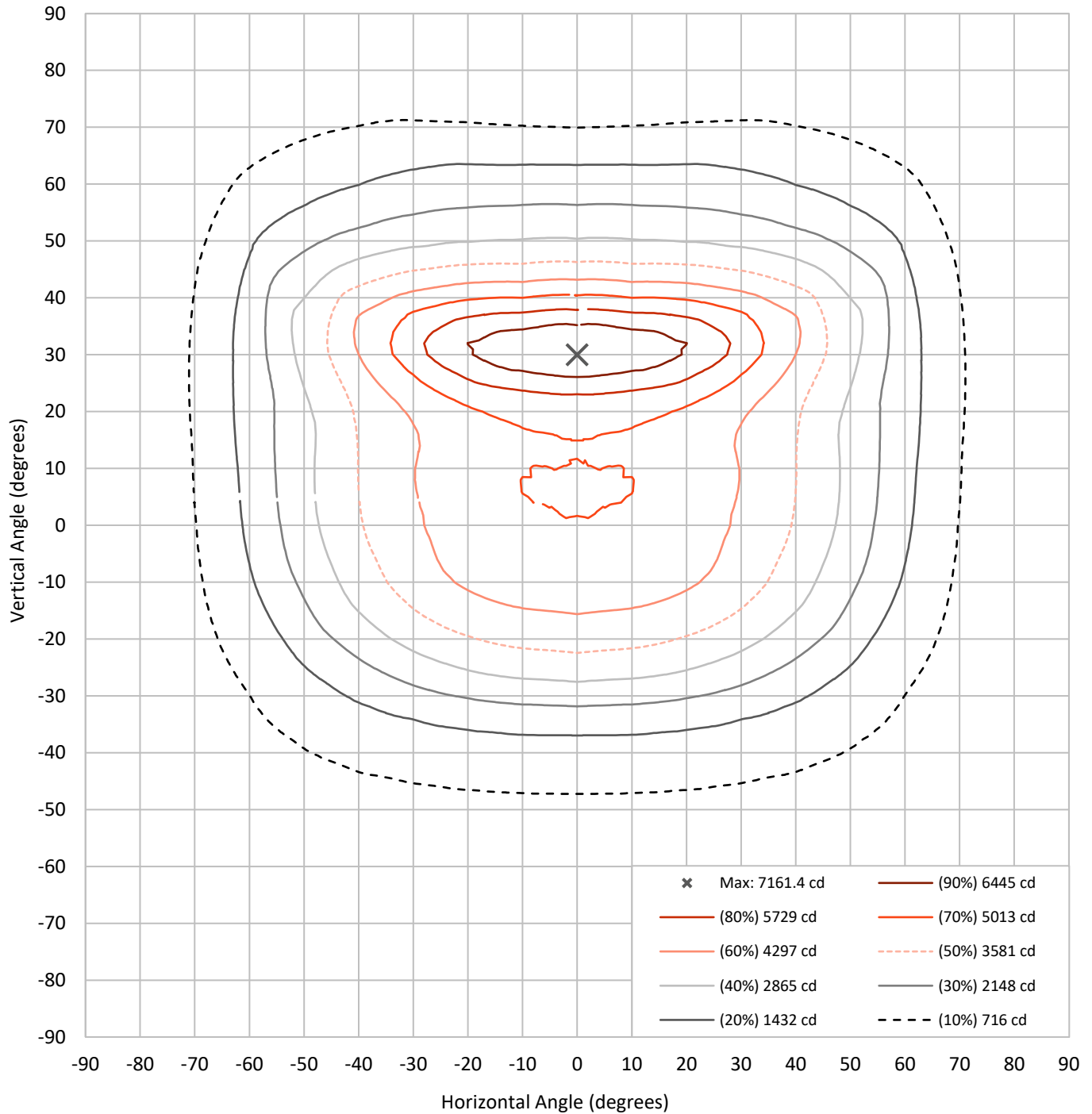
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	11954.2 lumens	Max Intensity:	7161.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	93.0 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6951.5 lumens	Field Lumens:	11202.6 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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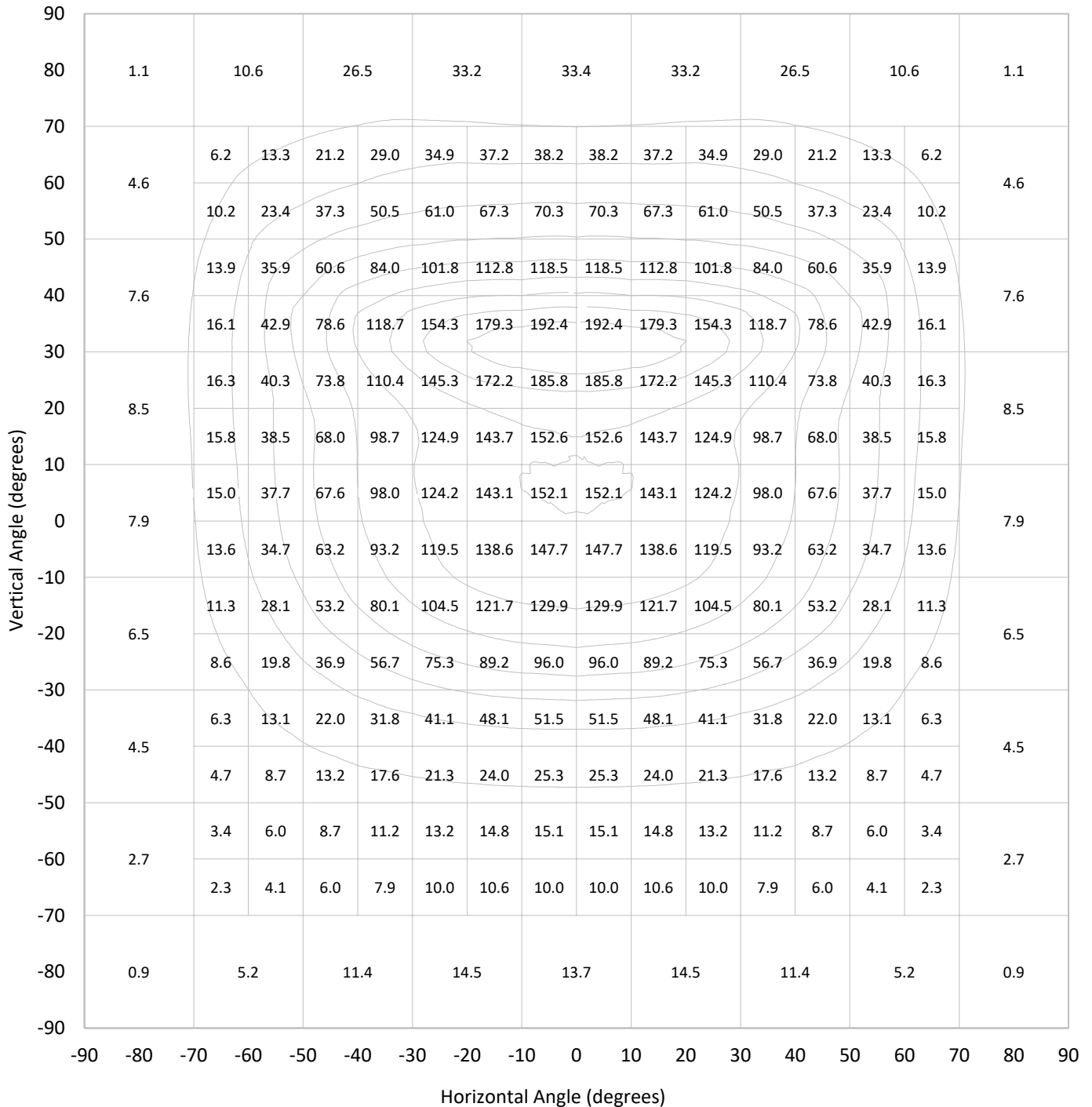
Iso-Candela Plot





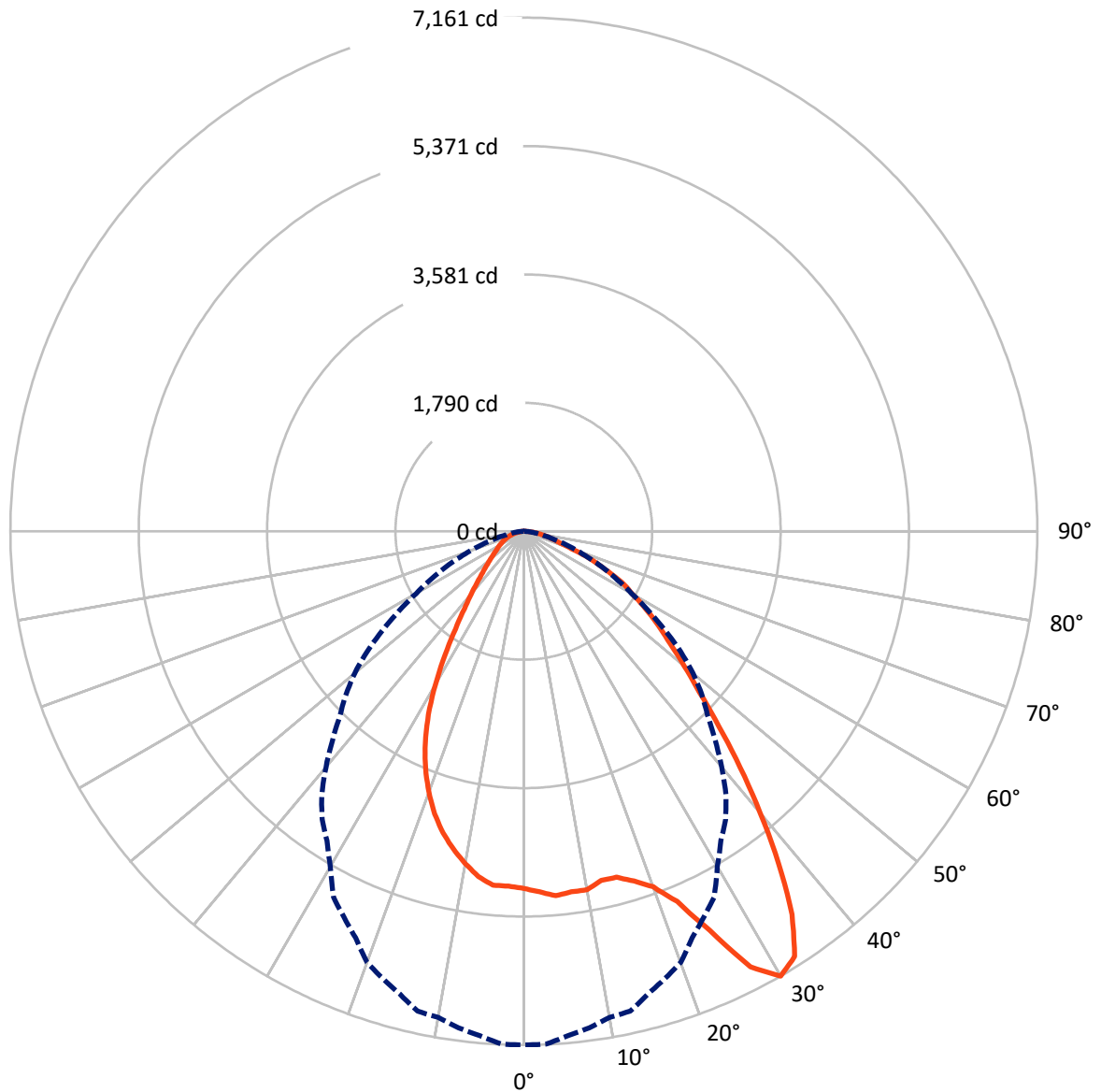
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Lumen Table



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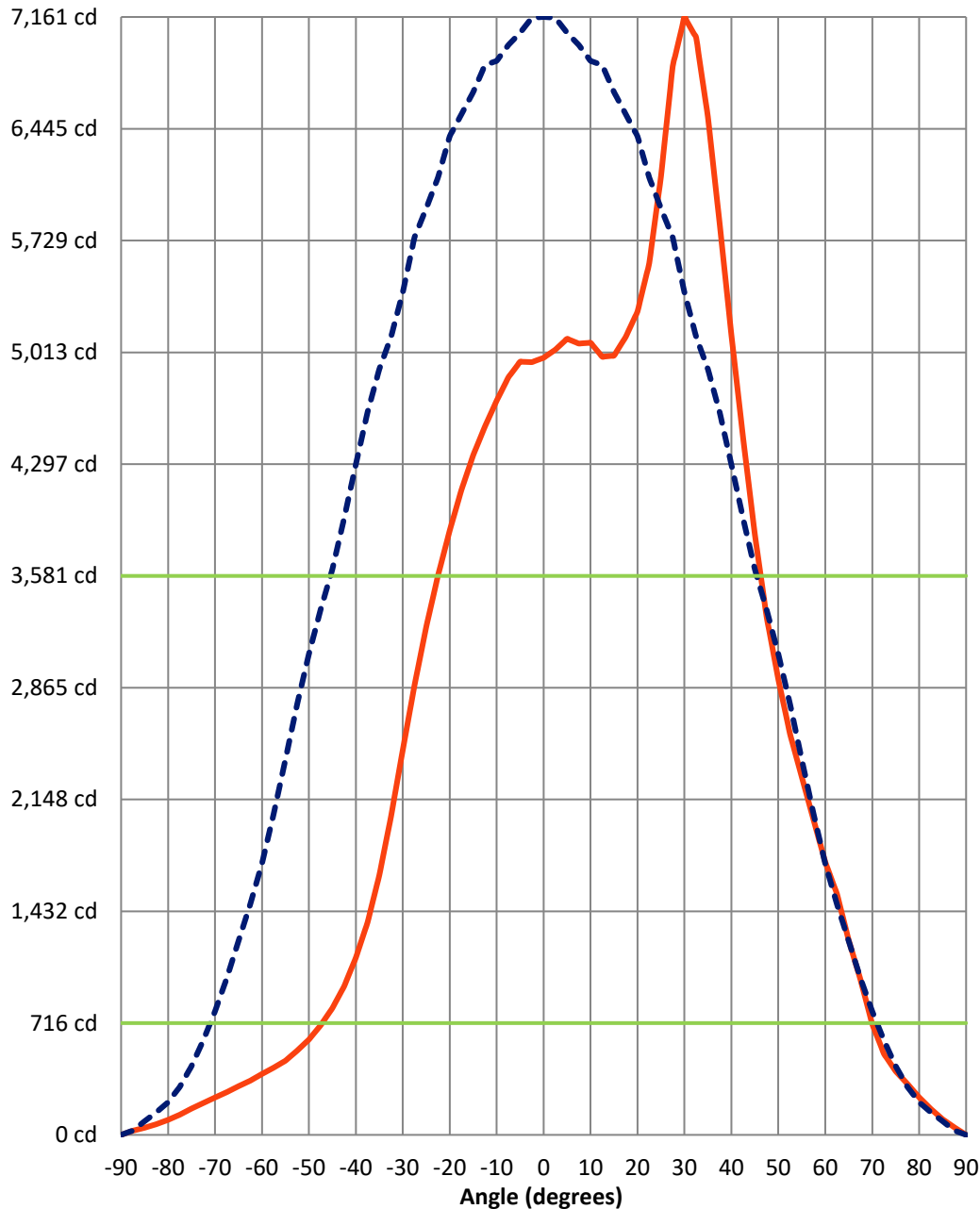
Luminous Intensity Polar Plot



— 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: 6951.5
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 11202.6
 Efficiency: 93.7%

Spill:
 Lumens: 751.6
 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°	48.1	49.4	50.7	50.7	49.4	49.4	49.4	48.1	49.4	49.4	49.4
85°	100.0	102.6	105.1	103.8	102.6	100.0	97.5	98.8	100.0	101.3	101.3
82.5°	165.9	169.7	172.2	171.0	168.4	165.9	163.4	164.6	167.2	168.4	168.4
80°	240.6	241.9	243.1	245.7	241.9	241.9	240.6	245.7	248.2	250.7	253.3
77.5°	326.7	328.0	328.0	329.3	330.5	331.8	331.8	340.7	347.0	350.8	354.6
75°	407.8	411.6	415.4	419.2	424.2	426.8	430.6	443.2	453.4	461.0	468.6
72.5°	519.2	524.3	530.6	539.5	548.3	554.7	563.5	578.7	590.1	597.7	606.6
70°	710.4	715.5	721.8	728.2	737.0	743.4	752.2	771.2	782.6	787.7	792.8
67.5°	994.1	1006.8	1018.2	1005.5	999.2	990.3	992.8	1010.6	1022.0	1029.6	1028.3
65°	1246.1	1255.0	1255.0	1253.7	1248.7	1237.3	1243.6	1265.1	1277.8	1284.1	1265.1
62.5°	1542.5	1542.5	1536.1	1546.3	1547.5	1539.9	1536.1	1537.4	1538.7	1542.5	1510.8
60°	1747.6	1760.3	1764.1	1772.9	1775.5	1775.5	1781.8	1786.9	1786.9	1779.3	1742.5
57.5°	2018.6	2042.7	2047.7	2041.4	2028.7	2012.3	2009.7	2002.2	1987.0	1971.8	1954.0
55°	2292.2	2304.8	2303.6	2299.8	2287.1	2268.1	2270.6	2260.5	2236.4	2217.4	2193.4
52.5°	2567.0	2597.4	2602.4	2594.8	2577.1	2556.8	2558.1	2546.7	2522.6	2502.4	2469.4
50°	2917.7	2943.1	2940.5	2927.9	2902.5	2887.4	2888.6	2867.1	2839.2	2832.9	2789.8
47.5°	3319.2	3348.3	3343.3	3325.5	3291.3	3285.0	3291.3	3263.5	3247.0	3233.1	3182.4
45°	3846.0	3880.2	3861.2	3827.0	3772.6	3778.9	3787.8	3782.7	3747.2	3710.5	3645.9
42.5°	4464.0	4485.5	4462.7	4428.5	4360.2	4372.8	4367.8	4337.4	4315.8	4255.0	4172.7
40°	5125.1	5171.9	5136.4	5083.3	5012.3	5031.3	5017.4	4978.2	4927.5	4851.5	4747.7
37.5°	5838.0	5874.8	5834.2	5772.2	5708.9	5702.5	5674.7	5613.9	5541.7	5458.1	5292.2
35°	6520.6	6615.6	6540.9	6442.1	6364.8	6335.7	6309.1	6168.6	6086.2	5950.7	5724.1
32.5°	7028.4	7098.1	7005.6	6903.1	6809.3	6768.8	6675.1	6507.9	6463.6	6178.7	5971.0
30°	7161.4	7156.3	7060.1	6981.6	6880.3	6852.4	6680.2	6538.3	6396.5	6133.1	5935.5
27.5°	6844.8	6813.1	6720.7	6652.3	6552.3	6519.3	6349.6	6273.7	6054.6	5831.7	5664.5
25°	6139.4	6155.9	6086.2	6052.0	5986.2	5915.3	5848.2	5745.6	5608.8	5413.8	5260.6
22.5°	5583.5	5605.0	5575.9	5535.4	5484.7	5445.4	5394.8	5315.0	5183.3	5063.0	4918.6
20°	5274.5	5268.2	5242.8	5212.4	5164.3	5136.4	5080.7	5013.6	4912.3	4808.5	4652.7
17.5°	5112.4	5073.1	5049.1	5037.7	5012.3	4976.9	4911.0	4842.6	4764.1	4646.4	4532.4
15°	4992.1	4998.4	4979.4	4970.6	4950.3	4900.9	4833.8	4778.1	4671.7	4612.2	4508.3
12.5°	4984.5	4978.2	4979.4	4975.6	4950.3	4887.0	4852.8	4781.9	4713.5	4635.0	4515.9
10°	5074.4	5007.3	5012.3	5030.1	4989.5	4938.9	4902.2	4824.9	4760.3	4660.3	4542.5
7.5°	5069.3	5035.1	5045.3	5016.1	5028.8	4966.8	4916.1	4838.8	4757.8	4651.4	4545.0
5°	5099.7	5047.8	5038.9	5041.5	5009.8	4963.0	4894.6	4821.1	4745.1	4626.1	4517.2
2.5°	5030.1	5037.7	4997.1	4982.0	4978.2	4899.6	4836.3	4765.4	4686.9	4581.8	4484.3
0°	4978.2	4992.1	4950.3	4928.8	4927.5	4860.4	4819.9	4738.8	4683.1	4595.7	4477.9
-2.5°	4950.3	4966.8	4971.8	4932.6	4894.6	4842.6	4774.3	4686.9	4595.7	4494.4	4393.1
-5°	4952.8	4919.9	4906.0	4918.6	4885.7	4833.8	4757.8	4680.6	4590.6	4481.7	4355.1
-7.5°	4852.8	4819.9	4817.3	4811.0	4803.4	4754.0	4690.7	4607.1	4515.9	4414.6	4296.8
-10°	4703.3	4679.3	4673.0	4666.6	4646.4	4617.2	4557.7	4481.7	4399.4	4298.1	4172.7
-12.5°	4537.5	4526.1	4502.0	4485.5	4465.3	4431.1	4374.1	4304.4	4222.1	4132.2	4024.6
-15°	4353.8	4332.3	4308.2	4294.3	4265.2	4224.7	4167.7	4103.1	4013.2	3924.5	3823.2
-17.5°	4132.2	4105.6	4079.0	4075.2	4055.0	3992.9	3939.7	3861.2	3782.7	3697.8	3599.1
-20°	3871.3	3834.6	3816.9	3806.7	3778.9	3733.3	3676.3	3604.1	3528.1	3447.1	3333.1



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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°	3582.6	3550.9	3520.5	3501.5	3477.5	3442.0	3387.6	3324.3	3249.5	3158.4	3053.2
-25°	3254.6	3210.3	3191.3	3169.8	3157.1	3124.2	3071.0	3012.7	2935.5	2846.8	2746.8
-27.5°	2879.8	2844.3	2834.2	2803.8	2788.6	2754.4	2710.1	2655.6	2584.7	2501.1	2418.8
-30°	2465.6	2444.1	2427.7	2397.3	2385.9	2349.1	2320.0	2274.4	2209.8	2150.3	2084.5
-32.5°	2040.1	2018.6	2013.5	1999.6	1992.0	1968.0	1935.0	1902.1	1850.2	1805.9	1752.7
-35°	1662.8	1647.6	1648.8	1647.6	1640.0	1622.2	1581.7	1572.8	1534.9	1494.3	1460.1
-37.5°	1361.4	1362.6	1361.4	1360.1	1350.0	1342.4	1313.2	1301.8	1279.0	1239.8	1219.5
-40°	1134.7	1137.2	1135.9	1133.4	1122.0	1118.2	1099.2	1084.0	1075.2	1047.3	1025.8
-42.5°	951.1	954.9	953.6	952.3	944.7	943.5	933.3	915.6	910.5	894.1	871.3
-45°	811.8	810.5	808.0	810.5	806.7	802.9	796.6	785.2	778.8	771.2	752.2
-47.5°	701.6	702.8	700.3	700.3	695.2	691.4	688.9	681.3	676.2	669.9	658.5
-50°	610.4	615.5	614.2	612.9	609.1	606.6	606.6	599.0	591.4	588.9	581.3
-52.5°	539.5	543.3	544.5	547.1	548.3	549.6	545.8	538.2	525.5	524.3	520.5
-55°	474.9	486.3	493.9	499.0	504.0	507.8	500.2	490.1	477.4	472.4	471.1
-57.5°	430.6	442.0	450.8	458.4	464.8	471.1	463.5	453.4	442.0	435.6	434.4
-60°	390.0	400.2	409.0	419.2	428.0	438.2	434.4	426.8	420.4	415.4	410.3
-62.5°	347.0	357.1	367.3	379.9	391.3	401.4	402.7	401.4	400.2	401.4	392.6
-65°	311.5	316.6	322.9	336.9	349.5	360.9	367.3	371.1	377.4	383.7	374.8
-67.5°	273.5	279.9	287.5	297.6	307.7	315.3	324.2	334.3	344.5	354.6	348.3
-70°	239.3	244.4	250.7	255.8	262.1	267.2	274.8	286.2	297.6	307.7	305.2
-72.5°	203.9	209.0	212.8	215.3	219.1	221.6	225.4	235.5	243.1	248.2	248.2
-75°	168.4	173.5	177.3	178.6	181.1	182.4	184.9	188.7	192.5	193.8	195.0
-77.5°	129.2	134.2	138.0	140.6	143.1	145.6	146.9	149.4	150.7	150.7	152.0
-80°	96.2	100.0	102.6	106.4	107.6	110.2	112.7	114.0	115.2	115.2	116.5
-82.5°	68.4	70.9	73.5	76.0	78.5	79.8	82.3	83.6	84.8	86.1	87.4
-85°	45.6	48.1	50.7	53.2	54.5	55.7	57.0	58.3	59.5	60.8	62.1
-87.5°	26.6	27.9	29.1	31.7	32.9	35.5	36.7	35.5	36.7	36.7	36.7
-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°	49.4	49.4	49.4	49.4	48.1	45.6	44.3	41.8	39.3	36.7	34.2
85°	102.6	103.8	103.8	103.8	101.3	100.0	96.2	92.4	87.4	79.8	73.5
82.5°	171.0	172.2	172.2	171.0	168.4	164.6	159.6	153.2	143.1	133.0	124.1
80°	257.1	258.3	258.3	257.1	250.7	244.4	238.1	230.5	217.8	203.9	188.7
77.5°	359.7	362.2	362.2	358.4	349.5	341.9	331.8	319.1	300.1	279.9	259.6
75°	478.7	485.0	486.3	482.5	471.1	457.2	440.7	419.2	390.0	364.7	340.7
72.5°	616.7	623.1	628.1	623.1	606.6	587.6	563.5	538.2	509.1	474.9	434.4
70°	797.8	804.2	808.0	791.5	762.4	730.7	701.6	672.4	638.3	596.5	552.1
67.5°	1025.8	1019.4	1011.8	978.9	942.2	904.2	863.7	820.6	776.3	732.0	680.0
65°	1244.9	1227.1	1210.7	1171.4	1124.5	1075.2	1028.3	980.2	927.0	871.3	821.9
62.5°	1475.3	1437.3	1396.8	1348.7	1300.6	1246.1	1199.3	1142.3	1082.8	1014.4	951.1
60°	1702.0	1656.4	1615.9	1556.4	1493.1	1419.6	1369.0	1313.2	1243.6	1170.1	1095.4
57.5°	1921.1	1871.7	1827.4	1775.5	1707.1	1627.3	1571.6	1499.4	1425.9	1333.5	1257.5
55°	2154.1	2104.7	2069.3	2011.0	1936.3	1862.8	1802.1	1726.1	1623.5	1524.7	1431.0
52.5°	2421.3	2382.1	2344.1	2284.6	2194.6	2119.9	2052.8	1968.0	1860.3	1738.7	1626.0
50°	2720.2	2699.9	2659.4	2589.8	2487.2	2421.3	2332.7	2220.0	2104.7	1976.8	1836.3
47.5°	3116.6	3083.6	3026.7	2950.7	2864.6	2765.8	2646.7	2515.0	2351.7	2209.8	2060.4
45°	3590.2	3529.4	3456.0	3353.4	3247.0	3135.6	3005.1	2838.0	2618.9	2434.0	2277.0
42.5°	4103.1	4020.8	3920.7	3786.5	3648.4	3511.7	3371.1	3143.2	2869.6	2656.9	2479.6
40°	4638.8	4533.7	4408.3	4213.3	4060.0	3884.0	3723.2	3382.5	3091.2	2860.8	2672.1
37.5°	5163.0	5030.1	4819.9	4583.0	4404.5	4260.1	3906.8	3542.1	3281.2	3027.9	2836.7
35°	5564.5	5451.8	5080.7	4835.1	4681.8	4453.9	4011.9	3638.3	3362.2	3152.0	2854.4
32.5°	5802.6	5511.3	5185.8	4937.6	4811.0	4437.4	4019.5	3666.2	3400.2	3164.7	2808.8
30°	5749.4	5397.3	5112.4	4904.7	4629.9	4294.3	3948.6	3623.1	3364.8	3079.8	2758.2
27.5°	5429.0	5156.7	4902.2	4685.6	4415.9	4114.5	3795.3	3509.1	3268.5	2992.5	2688.5
25°	5066.8	4819.9	4631.2	4442.5	4186.7	3899.2	3618.1	3411.6	3169.8	2897.5	2597.4
22.5°	4733.7	4556.4	4408.3	4210.7	3961.2	3710.5	3535.7	3321.7	3073.5	2797.4	2503.6
20°	4521.0	4400.7	4231.0	4013.2	3816.9	3659.8	3466.1	3239.4	2983.6	2694.9	2423.9
17.5°	4418.4	4279.1	4090.4	3948.6	3797.9	3625.7	3409.1	3168.5	2896.2	2648.0	2432.7
15°	4365.2	4218.3	4094.2	3954.9	3785.2	3604.1	3363.5	3114.0	2896.2	2667.0	2439.1
12.5°	4376.6	4250.0	4114.5	3962.5	3780.2	3586.4	3368.6	3136.8	2911.4	2680.9	2440.3
10°	4412.1	4279.1	4134.7	3966.3	3782.7	3591.5	3382.5	3150.8	2919.0	2687.3	2437.8
7.5°	4424.7	4280.4	4125.9	3956.2	3776.4	3588.9	3385.0	3154.6	2920.3	2686.0	2430.2
5°	4385.5	4255.0	4105.6	3934.7	3758.6	3576.3	3374.9	3149.5	2910.1	2673.3	2411.2
2.5°	4332.3	4227.2	4084.1	3919.5	3740.9	3558.5	3358.4	3126.7	2887.4	2650.5	2387.1
0°	4323.4	4193.0	4048.6	3901.7	3711.8	3519.3	3320.5	3083.6	2845.6	2607.5	2345.3
-2.5°	4265.2	4127.1	3982.8	3823.2	3656.0	3462.3	3253.3	3021.6	2786.0	2551.8	2299.8
-5°	4220.9	4067.6	3914.4	3742.2	3573.7	3380.0	3163.4	2938.0	2707.5	2479.6	2236.4
-7.5°	4161.3	4004.3	3843.5	3663.6	3481.3	3283.7	3069.7	2844.3	2617.6	2390.9	2157.9
-10°	4041.0	3903.0	3752.3	3566.1	3373.6	3176.1	2963.3	2741.7	2515.0	2285.8	2051.5
-12.5°	3895.4	3749.8	3585.1	3414.2	3241.9	3058.3	2845.6	2627.7	2399.8	2169.3	1936.3
-15°	3706.7	3563.6	3395.2	3228.0	3062.1	2886.1	2698.7	2502.4	2270.6	2043.9	1810.9
-17.5°	3471.2	3336.9	3186.2	3026.7	2862.0	2684.7	2502.4	2336.5	2119.9	1907.2	1676.7
-20°	3217.9	3092.5	2957.0	2806.3	2641.7	2468.2	2296.0	2122.5	1935.0	1747.6	1533.6



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 CATALOG NUMBER: IFLD-M-SA4A-927-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2954.5	2827.8	2691.1	2550.5	2398.5	2237.7	2078.1	1912.2	1747.6	1577.9	1396.8
-25°	2650.5	2539.1	2413.7	2277.0	2141.5	2000.9	1848.9	1698.2	1557.7	1410.8	1262.6
-27.5°	2332.7	2230.1	2116.1	1997.1	1880.6	1762.8	1631.1	1491.8	1375.3	1253.7	1130.9
-30°	1998.4	1916.0	1823.6	1719.7	1629.8	1534.9	1424.7	1309.4	1203.1	1110.6	1011.8
-32.5°	1681.8	1612.1	1546.3	1477.9	1389.2	1315.8	1239.8	1154.9	1061.2	973.8	902.9
-35°	1409.5	1334.8	1306.9	1256.3	1192.9	1128.3	1072.6	1011.8	940.9	863.7	805.4
-37.5°	1180.3	1135.9	1096.7	1068.8	1027.0	975.1	930.8	886.5	832.0	773.8	715.5
-40°	1001.7	971.3	928.3	914.3	887.7	852.3	806.7	772.5	735.8	691.4	642.1
-42.5°	858.6	835.8	808.0	783.9	772.5	747.2	711.7	678.8	649.7	619.3	581.3
-45°	740.8	725.6	707.9	686.4	677.5	657.3	631.9	595.2	578.7	553.4	525.5
-47.5°	645.9	638.3	625.6	611.7	599.0	583.8	561.0	538.2	515.4	499.0	477.4
-50°	571.1	566.1	558.5	547.1	530.6	520.5	505.3	485.0	463.5	449.6	434.4
-52.5°	511.6	506.6	501.5	492.6	480.0	469.8	457.2	440.7	423.0	409.0	396.4
-55°	466.0	458.4	454.6	447.0	436.9	425.5	414.1	402.7	387.5	374.8	362.2
-57.5°	430.6	420.4	415.4	409.0	398.9	387.5	378.6	367.3	357.1	343.2	331.8
-60°	402.7	391.3	381.2	374.8	366.0	354.6	345.7	336.9	326.7	315.3	301.4
-62.5°	379.9	366.0	352.1	344.5	335.6	325.5	316.6	307.7	297.6	286.2	273.5
-65°	358.4	341.9	324.2	316.6	307.7	297.6	286.2	279.9	271.0	260.9	248.2
-67.5°	331.8	314.1	298.9	290.0	281.1	272.3	262.1	255.8	246.9	234.3	221.6
-70°	292.5	281.1	271.0	263.4	255.8	248.2	238.1	227.9	217.8	206.4	195.0
-72.5°	243.1	239.3	238.1	234.3	225.4	216.6	206.4	196.3	187.4	178.6	169.7
-75°	196.3	198.8	201.4	200.1	191.2	182.4	173.5	164.6	158.3	150.7	143.1
-77.5°	155.8	158.3	160.8	160.8	154.5	149.4	143.1	136.8	131.7	125.4	117.8
-80°	120.3	124.1	127.9	130.4	125.4	121.6	116.5	111.4	106.4	101.3	96.2
-82.5°	91.2	95.0	98.8	101.3	97.5	95.0	91.2	87.4	83.6	78.5	74.7
-85°	65.9	68.4	70.9	72.2	69.7	67.1	64.6	62.1	59.5	55.7	53.2
-87.5°	38.0	39.3	40.5	41.8	39.3	36.7	35.5	32.9	31.7	29.1	27.9
-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):

	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°	31.7	29.1	26.6	25.3	22.8	19.0	16.5	13.9	11.4	8.9	7.6
85°	67.1	60.8	53.2	49.4	44.3	39.3	34.2	29.1	24.1	19.0	13.9
82.5°	115.2	107.6	100.0	91.2	79.8	65.9	51.9	43.1	35.5	27.9	21.5
80°	173.5	159.6	146.9	135.5	122.8	105.1	86.1	68.4	48.1	36.7	27.9
77.5°	240.6	224.1	206.4	187.4	167.2	143.1	121.6	98.8	74.7	50.7	35.5
75°	316.6	295.1	271.0	244.4	217.8	186.2	155.8	129.2	101.3	70.9	43.1
72.5°	401.4	374.8	345.7	310.3	268.5	231.7	195.0	159.6	126.6	89.9	58.3
70°	510.4	468.6	425.5	387.5	334.3	276.1	233.0	192.5	150.7	110.2	73.5
67.5°	626.9	576.2	524.3	468.6	401.4	333.1	271.0	225.4	176.0	129.2	87.4
65°	753.5	690.2	624.3	562.3	469.8	388.8	319.1	257.1	200.1	146.9	101.3
62.5°	883.9	809.2	733.2	652.2	545.8	445.8	364.7	292.5	222.9	163.4	114.0
60°	1023.2	935.9	843.4	742.1	618.0	507.8	407.8	329.3	246.9	179.8	127.9
57.5°	1170.1	1075.2	966.3	829.5	692.7	567.3	457.2	362.2	268.5	195.0	138.0
55°	1329.7	1220.8	1101.8	920.7	766.2	626.9	506.6	395.1	291.3	207.7	148.2
52.5°	1501.9	1375.3	1224.6	1016.9	843.4	687.6	552.1	424.2	312.8	221.6	157.0
50°	1694.4	1534.9	1332.2	1105.6	910.5	744.6	597.7	455.9	330.5	236.8	164.6
47.5°	1894.5	1722.3	1428.5	1187.9	978.9	800.4	644.6	483.8	348.3	249.5	172.2
45°	2103.5	1852.7	1528.5	1261.3	1038.4	851.0	680.0	509.1	369.8	260.9	178.6
42.5°	2309.9	1951.5	1615.9	1334.8	1094.2	896.6	709.2	533.1	387.5	272.3	184.9
40°	2407.4	2026.2	1685.6	1385.4	1141.0	937.1	734.5	554.7	402.7	279.9	191.2
37.5°	2447.9	2071.8	1731.1	1433.5	1177.7	958.7	756.0	573.7	415.4	287.5	196.3
35°	2456.8	2088.3	1753.9	1466.5	1208.1	978.9	772.5	587.6	425.5	295.1	201.4
32.5°	2440.3	2083.2	1760.3	1477.9	1227.1	994.1	783.9	597.7	433.1	302.7	206.4
30°	2403.6	2056.6	1737.5	1476.6	1241.1	1003.0	791.5	605.3	440.7	307.7	209.0
27.5°	2344.1	2009.7	1708.4	1477.9	1248.7	1006.8	795.3	609.1	445.8	311.5	214.0
25°	2270.6	1946.4	1709.6	1475.3	1249.9	1008.0	795.3	609.1	447.0	312.8	217.8
22.5°	2185.8	1946.4	1709.6	1471.5	1242.3	1005.5	791.5	606.6	447.0	315.3	221.6
20°	2190.8	1947.7	1705.8	1463.9	1230.9	997.9	782.6	600.3	443.2	319.1	224.1
17.5°	2194.6	1945.2	1698.2	1453.8	1215.7	985.2	771.2	591.4	443.2	322.9	225.4
15°	2194.6	1937.6	1686.8	1438.6	1196.7	967.5	754.8	583.8	444.5	324.2	227.9
12.5°	2190.8	1923.6	1669.1	1418.3	1173.9	946.0	744.6	581.3	444.5	325.5	227.9
10°	2183.2	1904.6	1646.3	1393.0	1152.4	938.4	739.6	576.2	442.0	325.5	227.9
7.5°	2169.3	1881.8	1627.3	1377.8	1139.7	929.5	732.0	568.6	438.2	322.9	230.5
5°	2147.8	1869.2	1612.1	1360.1	1122.0	923.2	726.9	562.3	435.6	322.9	227.9
2.5°	2119.9	1854.0	1594.4	1337.3	1101.8	901.7	710.4	548.3	426.8	317.9	225.4
0°	2074.3	1823.6	1564.0	1305.6	1073.9	880.1	694.0	534.4	417.9	312.8	222.9
-2.5°	2032.5	1783.1	1524.7	1272.7	1047.3	861.1	681.3	526.8	414.1	311.5	221.6
-5°	1974.3	1727.3	1472.8	1229.7	1011.8	842.1	668.7	518.0	410.3	309.0	221.6
-7.5°	1909.7	1669.1	1418.3	1185.3	976.4	809.2	644.6	504.0	401.4	303.9	220.4
-10°	1809.7	1581.7	1350.0	1134.7	938.4	780.1	624.3	491.4	393.8	298.9	215.3
-12.5°	1703.3	1485.5	1271.4	1072.6	895.3	749.7	601.5	477.4	385.0	293.8	212.8
-15°	1590.6	1386.7	1189.1	1008.0	848.5	713.0	577.5	462.2	376.1	287.5	209.0
-17.5°	1472.8	1282.8	1104.3	942.2	801.6	675.0	552.1	448.3	366.0	281.1	205.2
-20°	1348.7	1176.5	1018.2	875.1	752.2	637.0	525.5	431.8	354.6	273.5	200.1



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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°	1225.9	1071.4	929.5	809.2	701.6	597.7	499.0	415.4	341.9	264.7	196.3
-25°	1116.9	972.6	851.0	745.9	652.2	559.7	471.1	398.9	328.0	255.8	191.2
-27.5°	1010.6	887.7	773.8	686.4	604.1	523.0	444.5	381.2	314.1	245.7	186.2
-30°	911.8	806.7	713.0	628.1	558.5	490.1	421.7	363.5	298.9	235.5	179.8
-32.5°	821.9	737.0	658.5	577.5	515.4	457.2	400.2	345.7	283.7	225.4	173.5
-35°	738.3	672.4	604.1	535.7	472.4	426.8	377.4	326.7	269.7	214.0	167.2
-37.5°	663.6	610.4	555.9	497.7	443.2	397.6	355.9	307.7	255.8	203.9	160.8
-40°	599.0	555.9	507.8	461.0	415.4	372.3	334.3	288.7	241.9	196.3	154.5
-42.5°	539.5	506.6	467.3	428.0	387.5	349.5	312.8	268.5	227.9	187.4	148.2
-45°	493.9	461.0	429.3	393.8	359.7	326.7	290.0	250.7	215.3	177.3	141.8
-47.5°	450.8	421.7	392.6	363.5	335.6	305.2	268.5	235.5	201.4	168.4	136.8
-50°	412.8	385.0	359.7	334.3	310.3	281.1	246.9	220.4	190.0	159.6	130.4
-52.5°	377.4	353.3	328.0	307.7	287.5	258.3	230.5	205.2	178.6	149.4	124.1
-55°	345.7	322.9	300.1	281.1	262.1	236.8	214.0	192.5	167.2	141.8	117.8
-57.5°	315.3	296.3	274.8	257.1	238.1	217.8	198.8	178.6	155.8	134.2	111.4
-60°	287.5	269.7	250.7	233.0	216.6	200.1	182.4	165.9	145.6	125.4	105.1
-62.5°	259.6	244.4	227.9	210.2	197.6	182.4	168.4	152.0	135.5	117.8	93.7
-65°	234.3	220.4	205.2	190.0	178.6	167.2	154.5	139.3	125.4	108.9	83.6
-67.5°	209.0	196.3	183.6	171.0	160.8	152.0	139.3	127.9	116.5	98.8	73.5
-70°	184.9	174.8	163.4	153.2	145.6	135.5	126.6	116.5	106.4	86.1	62.1
-72.5°	162.1	152.0	143.1	135.5	129.2	120.3	112.7	105.1	91.2	72.2	51.9
-75°	135.5	129.2	124.1	117.8	111.4	105.1	98.8	89.9	76.0	58.3	40.5
-77.5°	111.4	107.6	103.8	98.8	93.7	88.6	81.0	72.2	60.8	45.6	32.9
-80°	91.2	87.4	84.8	79.8	76.0	70.9	63.3	55.7	44.3	35.5	26.6
-82.5°	69.7	67.1	64.6	62.1	58.3	53.2	45.6	39.3	32.9	26.6	20.3
-85°	49.4	48.1	45.6	43.1	39.3	35.5	30.4	26.6	22.8	17.7	13.9
-87.5°	25.3	24.1	22.8	21.5	20.3	17.7	15.2	12.7	11.4	8.9	6.3
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.1	3.8	1.3	0.0
85°	10.1	6.3	2.5	0.0
82.5°	15.2	10.1	3.8	0.0
80°	20.3	12.7	6.3	0.0
77.5°	25.3	15.2	7.6	0.0
75°	30.4	19.0	8.9	0.0
72.5°	34.2	21.5	10.1	0.0
70°	40.5	25.3	11.4	0.0
67.5°	50.7	27.9	12.7	0.0
65°	59.5	30.4	13.9	0.0
62.5°	69.7	32.9	15.2	0.0
60°	78.5	35.5	16.5	0.0
57.5°	87.4	41.8	17.7	0.0
55°	95.0	46.9	19.0	0.0
52.5°	103.8	51.9	20.3	0.0
50°	111.4	57.0	21.5	0.0
47.5°	117.8	62.1	21.5	0.0
45°	122.8	65.9	22.8	0.0
42.5°	126.6	69.7	24.1	0.0
40°	130.4	73.5	25.3	0.0
37.5°	134.2	77.2	25.3	0.0
35°	138.0	81.0	26.6	0.0
32.5°	141.8	84.8	26.6	0.0
30°	144.4	87.4	27.9	0.0
27.5°	148.2	89.9	27.9	0.0
25°	149.4	92.4	29.1	0.0
22.5°	152.0	93.7	29.1	0.0
20°	154.5	96.2	29.1	0.0
17.5°	155.8	97.5	30.4	0.0
15°	155.8	98.8	31.7	0.0
12.5°	157.0	100.0	31.7	0.0
10°	157.0	102.6	30.4	0.0
7.5°	159.6	101.3	30.4	0.0
5°	158.3	101.3	30.4	0.0
2.5°	157.0	100.0	30.4	0.0
0°	155.8	100.0	30.4	0.0
-2.5°	155.8	100.0	30.4	0.0
-5°	155.8	100.0	30.4	0.0
-7.5°	154.5	101.3	30.4	0.0
-10°	152.0	101.3	30.4	0.0
-12.5°	150.7	97.5	30.4	0.0
-15°	149.4	96.2	30.4	0.0
-17.5°	146.9	95.0	29.1	0.0
-20°	144.4	93.7	29.1	0.0



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CATALOG NUMBER: IFLD-M-SA4A-927-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	141.8	91.2	29.1	0.0
-25°	139.3	88.6	27.9	0.0
-27.5°	136.8	86.1	27.9	0.0
-30°	133.0	83.6	26.6	0.0
-32.5°	129.2	81.0	26.6	0.0
-35°	126.6	77.2	25.3	0.0
-37.5°	122.8	73.5	25.3	0.0
-40°	119.0	69.7	24.1	0.0
-42.5°	115.2	65.9	22.8	0.0
-45°	110.2	62.1	22.8	0.0
-47.5°	106.4	58.3	21.5	0.0
-50°	100.0	53.2	20.3	0.0
-52.5°	92.4	48.1	19.0	0.0
-55°	84.8	44.3	17.7	0.0
-57.5°	77.2	39.3	17.7	0.0
-60°	69.7	34.2	16.5	0.0
-62.5°	62.1	31.7	15.2	0.0
-65°	54.5	29.1	13.9	0.0
-67.5°	45.6	25.3	12.7	0.0
-70°	38.0	22.8	11.4	0.0
-72.5°	32.9	20.3	10.1	0.0
-75°	27.9	17.7	8.9	0.0
-77.5°	24.1	15.2	7.6	0.0
-80°	19.0	11.4	5.1	0.0
-82.5°	13.9	8.9	3.8	0.0
-85°	8.9	6.3	2.5	0.0
-87.5°	5.1	2.5	1.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)