

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: P722265

Luminaire Tested: **IFLD-M-SA4B-930-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722265
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-930-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

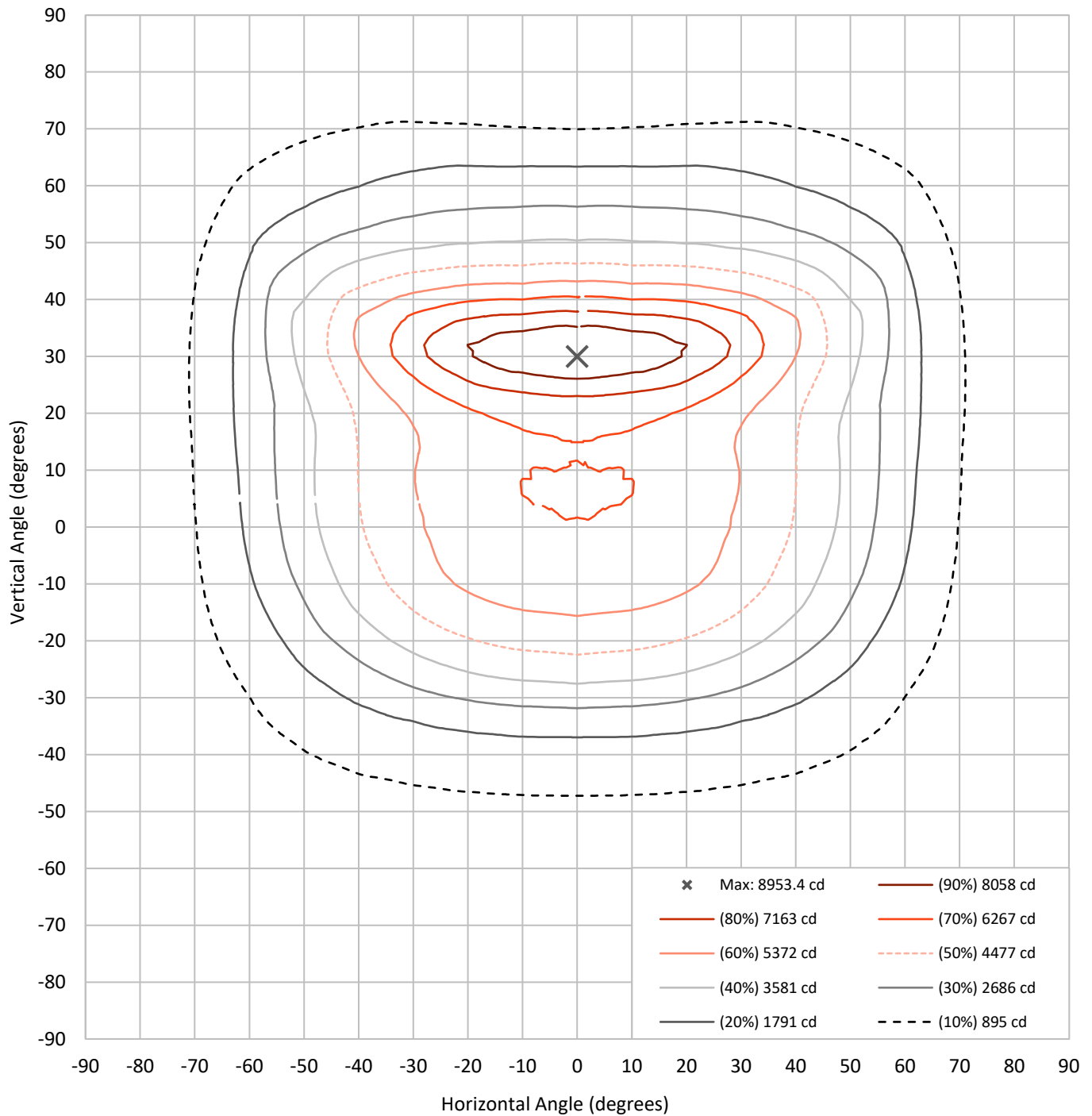
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	14945.4 lumens	Max Intensity:	8953.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	90.0 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	8690.9 lumens	Field Lumens:	14005.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 166.1
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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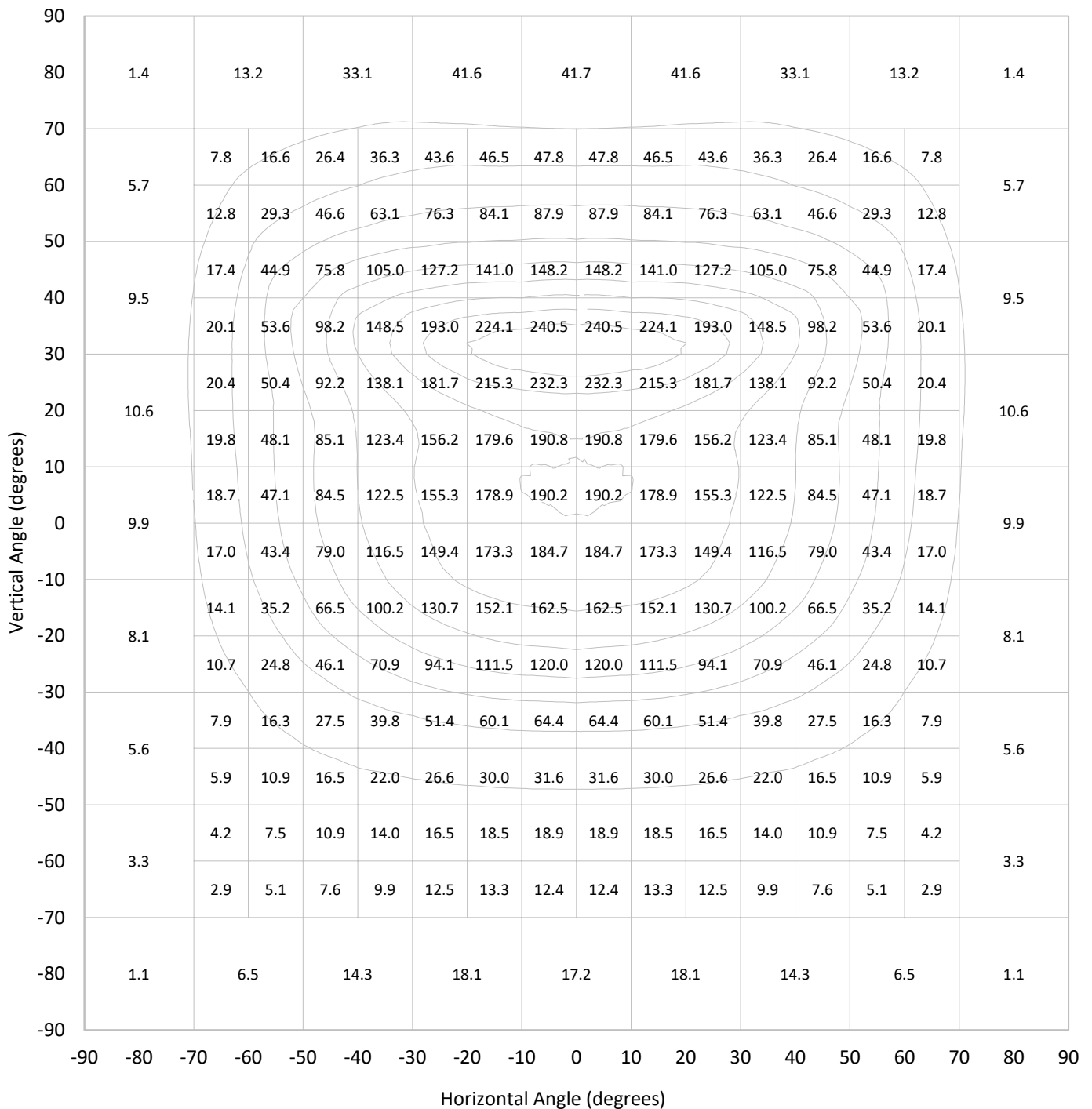
Iso-Candela Plot





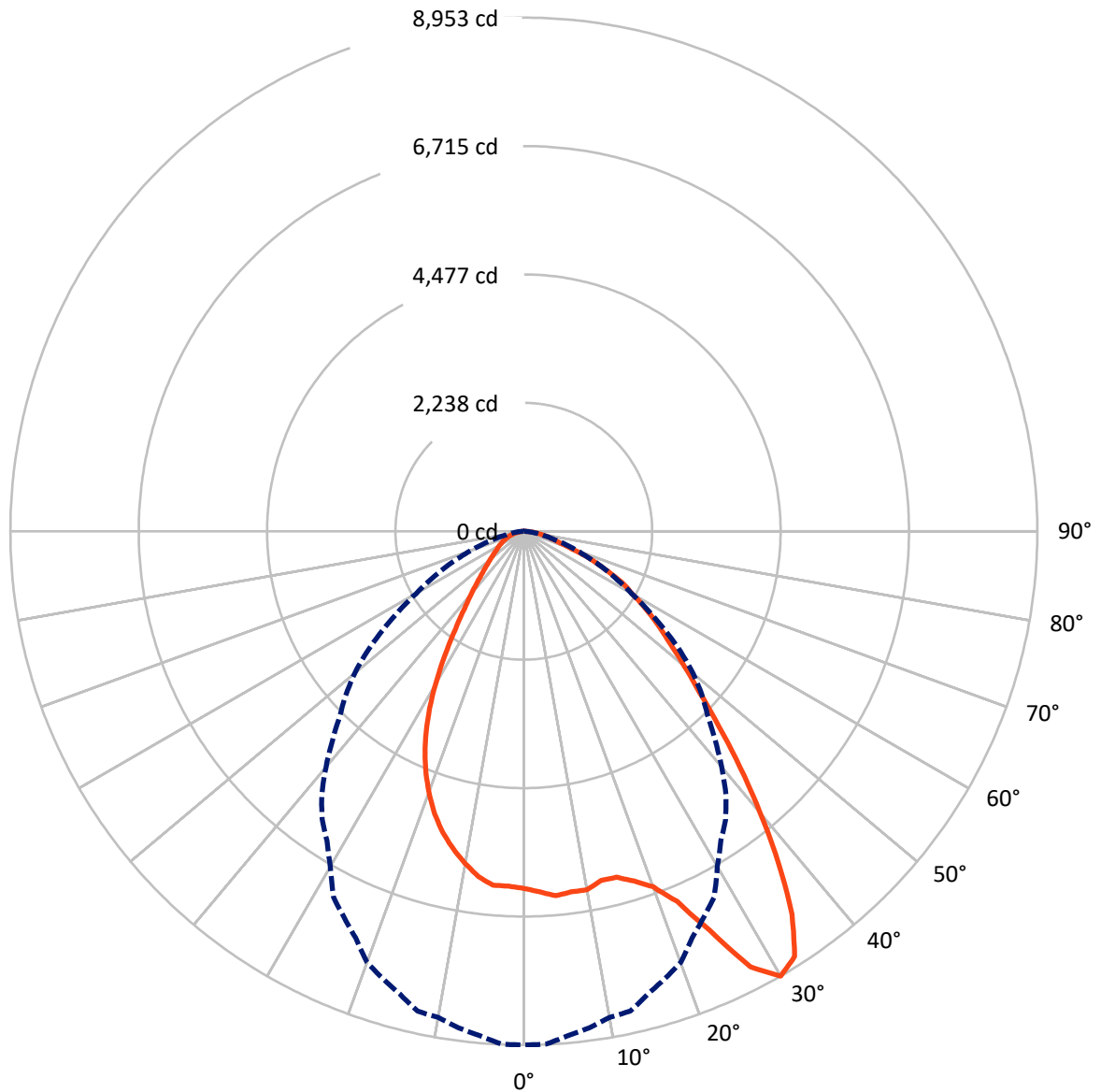
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Lumen Table



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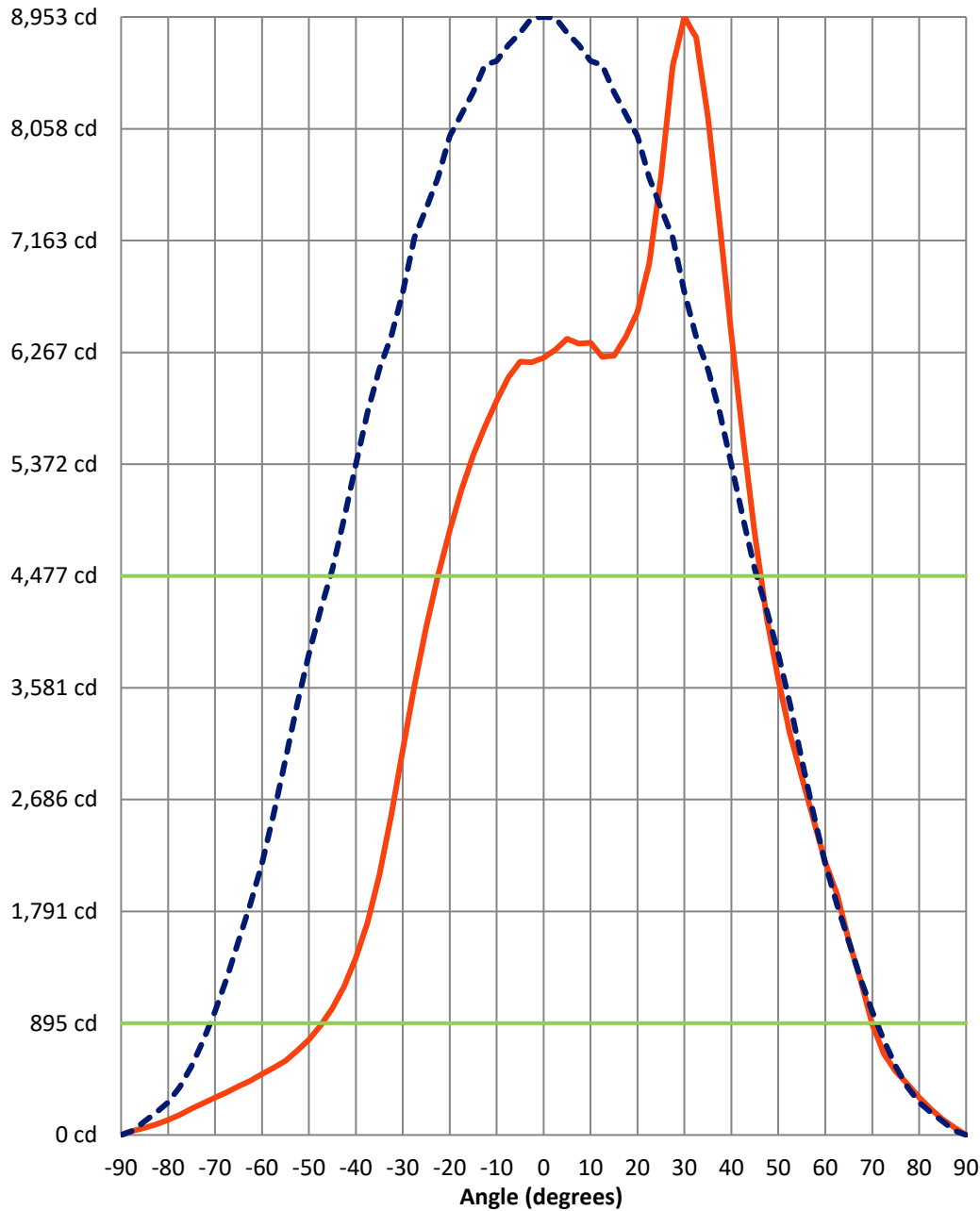
Luminous Intensity Polar Plot



— 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: 8690.9
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 14005.8
 Efficiency: 93.7%

Spill:
 Lumens: 939.6
 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°	60.2	61.7	63.3	63.3	61.7	61.7	61.7	60.2	61.7	61.7	61.7
85°	125.1	128.2	131.4	129.8	128.2	125.1	121.9	123.5	125.1	126.7	126.7
82.5°	207.4	212.2	215.3	213.7	210.6	207.4	204.2	205.8	209.0	210.6	210.6
80°	300.8	302.4	304.0	307.2	302.4	302.4	300.8	307.2	310.3	313.5	316.7
77.5°	408.5	410.1	410.1	411.6	413.2	414.8	414.8	425.9	433.8	438.6	443.3
75°	509.8	514.6	519.3	524.1	530.4	533.6	538.3	554.1	566.8	576.3	585.8
72.5°	649.1	655.5	663.4	674.5	685.6	693.5	704.6	723.6	737.8	747.3	758.4
70°	888.2	894.5	902.5	910.4	921.5	929.4	940.5	964.2	978.5	984.8	991.1
67.5°	1242.9	1258.7	1272.9	1257.1	1249.2	1238.1	1241.3	1263.4	1277.7	1287.2	1285.6
65°	1557.9	1569.0	1569.0	1567.4	1561.1	1546.8	1554.8	1581.7	1597.5	1605.4	1581.7
62.5°	1928.4	1928.4	1920.5	1933.2	1934.7	1925.2	1920.5	1922.1	1923.7	1928.4	1888.8
60°	2184.9	2200.7	2205.5	2216.6	2219.7	2219.7	2227.7	2234.0	2234.0	2224.5	2178.6
57.5°	2523.7	2553.8	2560.1	2552.2	2536.4	2515.8	2512.6	2503.1	2484.1	2465.1	2443.0
55°	2865.7	2881.5	2880.0	2875.2	2859.4	2835.6	2838.8	2826.1	2796.0	2772.3	2742.2
52.5°	3209.3	3247.3	3253.6	3244.1	3221.9	3196.6	3198.2	3183.9	3153.9	3128.5	3087.4
50°	3647.8	3679.5	3676.3	3660.5	3628.8	3609.8	3611.4	3584.5	3549.7	3541.8	3487.9
47.5°	4149.7	4186.1	4179.8	4157.7	4114.9	4107.0	4114.9	4080.1	4059.5	4042.1	3978.7
45°	4808.4	4851.1	4827.4	4784.6	4716.5	4724.5	4735.5	4729.2	4684.9	4639.0	4558.2
42.5°	5581.0	5607.9	5579.4	5536.7	5451.2	5467.0	5460.7	5422.7	5395.8	5319.8	5216.9
40°	6407.5	6466.0	6421.7	6355.2	6266.6	6290.3	6272.9	6223.8	6160.5	6065.5	5935.7
37.5°	7298.8	7344.8	7294.1	7216.5	7137.4	7129.4	7094.6	7018.6	6928.4	6823.9	6616.5
35°	8152.2	8271.0	8177.6	8054.1	7957.5	7921.1	7887.8	7712.1	7609.2	7439.8	7156.4
32.5°	8787.1	8874.2	8758.6	8630.4	8513.2	8462.5	8345.4	8136.4	8081.0	7724.7	7465.1
30°	8953.4	8947.0	8826.7	8728.5	8601.9	8567.0	8351.7	8174.4	7997.1	7667.7	7420.8
27.5°	8557.5	8518.0	8402.4	8316.9	8191.8	8150.6	7938.5	7843.5	7569.6	7290.9	7081.9
25°	7675.7	7696.2	7609.2	7566.4	7484.1	7395.4	7311.5	7183.3	7012.3	6768.5	6576.9
22.5°	6980.6	7007.5	6971.1	6920.4	6857.1	6808.0	6744.7	6645.0	6480.3	6329.9	6149.4
20°	6594.3	6586.4	6554.7	6516.7	6456.5	6421.7	6352.1	6268.1	6141.5	6011.7	5816.9
17.5°	6391.6	6342.6	6312.5	6298.2	6266.6	6222.2	6139.9	6054.4	5956.2	5809.0	5666.5
15°	6241.2	6249.1	6225.4	6214.3	6189.0	6127.2	6043.3	5973.7	5840.7	5766.2	5636.4
12.5°	6231.7	6223.8	6225.4	6220.6	6189.0	6109.8	6067.1	5978.4	5892.9	5794.7	5645.9
10°	6344.1	6260.2	6266.6	6288.7	6238.1	6174.7	6128.8	6032.2	5951.5	5826.4	5679.2
7.5°	6337.8	6295.1	6307.7	6271.3	6287.1	6209.6	6146.2	6049.7	5948.3	5815.3	5682.3
5°	6375.8	6310.9	6299.8	6303.0	6263.4	6204.8	6119.3	6027.5	5932.5	5783.7	5647.5
2.5°	6288.7	6298.2	6247.6	6228.6	6223.8	6125.6	6046.5	5957.8	5859.7	5728.2	5606.3
0°	6223.8	6241.2	6189.0	6162.1	6160.5	6076.6	6025.9	5924.6	5854.9	5745.7	5598.4
-2.5°	6189.0	6209.6	6215.9	6166.8	6119.3	6054.4	5968.9	5859.7	5745.7	5619.0	5492.3
-5°	6192.1	6151.0	6133.6	6149.4	6108.2	6043.3	5948.3	5851.7	5739.3	5603.2	5444.8
-7.5°	6067.1	6025.9	6022.7	6014.8	6005.3	5943.6	5864.4	5759.9	5645.9	5519.3	5372.0
-10°	5880.2	5850.2	5842.2	5834.3	5809.0	5772.6	5698.2	5603.2	5500.3	5373.6	5216.9
-12.5°	5672.8	5658.6	5628.5	5607.9	5582.6	5539.8	5468.6	5381.5	5278.6	5166.2	5031.6
-15°	5443.3	5416.3	5386.3	5368.8	5332.4	5281.8	5210.5	5129.8	5017.4	4906.5	4779.9
-17.5°	5166.2	5132.9	5099.7	5094.9	5069.6	4992.0	4925.5	4827.4	4729.2	4623.1	4499.6
-20°	4840.0	4794.1	4772.0	4759.3	4724.5	4667.5	4596.2	4506.0	4411.0	4309.6	4167.2



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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°	4479.1	4439.5	4401.5	4377.7	4347.6	4303.3	4235.2	4156.1	4062.7	3948.7	3817.2
-25°	4069.0	4013.6	3989.8	3962.9	3947.1	3905.9	3839.4	3766.6	3670.0	3559.2	3434.1
-27.5°	3600.3	3556.0	3543.3	3505.3	3486.3	3443.6	3388.2	3320.1	3231.4	3126.9	3024.0
-30°	3082.6	3055.7	3035.1	2997.1	2982.9	2937.0	2900.5	2843.5	2762.8	2688.4	2606.1
-32.5°	2550.6	2523.7	2517.4	2500.0	2490.5	2460.4	2419.2	2378.1	2313.1	2257.7	2191.2
-35°	2078.8	2059.8	2061.4	2059.8	2050.3	2028.2	1977.5	1966.4	1918.9	1868.3	1825.5
-37.5°	1702.0	1703.6	1702.0	1700.4	1687.8	1678.3	1641.8	1627.6	1599.1	1550.0	1524.7
-40°	1418.6	1421.8	1420.2	1417.0	1402.8	1398.0	1374.3	1355.3	1344.2	1309.4	1282.4
-42.5°	1189.0	1193.8	1192.2	1190.6	1181.1	1179.5	1166.9	1144.7	1138.4	1117.8	1089.3
-45°	1014.9	1013.3	1010.1	1013.3	1008.5	1003.8	995.9	981.6	973.7	964.2	940.5
-47.5°	877.1	878.7	875.5	875.5	869.2	864.5	861.3	851.8	845.5	837.5	823.3
-50°	763.1	769.5	767.9	766.3	761.5	758.4	758.4	748.9	739.4	736.2	726.7
-52.5°	674.5	679.2	680.8	684.0	685.6	687.1	682.4	672.9	657.1	655.5	650.7
-55°	593.7	608.0	617.5	623.8	630.1	634.9	625.4	612.7	596.9	590.6	589.0
-57.5°	538.3	552.6	563.6	573.1	581.1	589.0	579.5	566.8	552.6	544.6	543.1
-60°	487.6	500.3	511.4	524.1	535.1	547.8	543.1	533.6	525.6	519.3	513.0
-62.5°	433.8	446.5	459.1	475.0	489.2	501.9	503.5	501.9	500.3	501.9	490.8
-65°	389.5	395.8	403.7	421.1	437.0	451.2	459.1	463.9	471.8	479.7	468.6
-67.5°	342.0	349.9	359.4	372.1	384.7	394.2	405.3	418.0	430.6	443.3	435.4
-70°	299.2	305.6	313.5	319.8	327.7	334.1	343.6	357.8	372.1	384.7	381.6
-72.5°	254.9	261.2	266.0	269.2	273.9	277.1	281.8	294.5	304.0	310.3	310.3
-75°	210.6	216.9	221.7	223.2	226.4	228.0	231.2	235.9	240.7	242.2	243.8
-77.5°	161.5	167.8	172.6	175.7	178.9	182.1	183.7	186.8	188.4	188.4	190.0
-80°	120.3	125.1	128.2	133.0	134.6	137.7	140.9	142.5	144.1	144.1	145.7
-82.5°	85.5	88.7	91.8	95.0	98.2	99.7	102.9	104.5	106.1	107.7	109.2
-85°	57.0	60.2	63.3	66.5	68.1	69.7	71.2	72.8	74.4	76.0	77.6
-87.5°	33.2	34.8	36.4	39.6	41.2	44.3	45.9	44.3	45.9	45.9	45.9
-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):

	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°	61.7	61.7	61.7	61.7	60.2	57.0	55.4	52.2	49.1	45.9	42.7
85°	128.2	129.8	129.8	129.8	126.7	125.1	120.3	115.6	109.2	99.7	91.8
82.5°	213.7	215.3	215.3	213.7	210.6	205.8	199.5	191.6	178.9	166.2	155.2
80°	321.4	323.0	323.0	321.4	313.5	305.6	297.7	288.2	272.3	254.9	235.9
77.5°	449.6	452.8	452.8	448.1	437.0	427.5	414.8	399.0	375.2	349.9	324.6
75°	598.5	606.4	608.0	603.2	589.0	571.6	551.0	524.1	487.6	456.0	425.9
72.5°	771.0	779.0	785.3	779.0	758.4	734.6	704.6	672.9	636.5	593.7	543.1
70°	997.5	1005.4	1010.1	989.5	953.1	913.5	877.1	840.7	798.0	745.7	690.3
67.5°	1282.4	1274.5	1265.0	1223.9	1177.9	1130.5	1079.8	1026.0	970.5	915.1	850.2
65°	1556.3	1534.2	1513.6	1464.5	1405.9	1344.2	1285.6	1225.4	1158.9	1089.3	1027.5
62.5°	1844.5	1797.0	1746.3	1686.2	1626.0	1557.9	1499.4	1428.1	1353.7	1268.2	1189.0
60°	2127.9	2070.9	2020.2	1945.8	1866.7	1774.8	1711.5	1641.8	1554.8	1462.9	1369.5
57.5°	2401.8	2340.1	2284.6	2219.7	2134.2	2034.5	1964.8	1874.6	1782.8	1667.2	1572.2
55°	2693.1	2631.4	2587.1	2514.2	2420.8	2329.0	2253.0	2158.0	2029.7	1906.2	1789.1
52.5°	3027.2	2978.1	2930.6	2856.2	2743.8	2650.4	2566.5	2460.4	2325.8	2173.8	2032.9
50°	3400.9	3375.5	3324.9	3237.8	3109.5	3027.2	2916.4	2775.5	2631.4	2471.5	2295.7
47.5°	3896.4	3855.2	3784.0	3689.0	3581.3	3457.8	3309.0	3144.4	2940.1	2762.8	2576.0
45°	4488.6	4412.6	4320.7	4192.5	4059.5	3920.2	3757.1	3548.1	3274.2	3043.0	2846.7
42.5°	5129.8	5026.9	4901.8	4734.0	4561.4	4390.4	4214.6	3929.7	3587.7	3321.7	3100.0
40°	5799.5	5668.1	5511.3	5267.5	5075.9	4855.9	4654.8	4228.9	3864.7	3576.6	3340.7
37.5°	6455.0	6288.7	6025.9	5729.8	5506.6	5326.1	4884.4	4428.4	4102.2	3785.6	3546.5
35°	6956.9	6816.0	6352.1	6044.9	5853.3	5568.3	5015.8	4548.7	4203.6	3940.7	3568.7
32.5°	7254.5	6890.4	6483.5	6173.1	6014.8	5547.8	5025.3	4583.5	4251.1	3956.6	3511.7
30°	7188.0	6747.9	6391.6	6132.0	5788.4	5368.8	4936.6	4529.7	4206.7	3850.5	3448.3
27.5°	6787.5	6447.1	6128.8	5858.1	5520.8	5144.0	4745.0	4387.2	4086.4	3741.3	3361.3
25°	6334.6	6025.9	5790.0	5554.1	5234.3	4874.9	4523.4	4265.3	3962.9	3622.5	3247.3
22.5°	5918.2	5696.6	5511.3	5264.4	4952.4	4639.0	4420.5	4152.9	3842.6	3497.4	3130.1
20°	5652.3	5501.8	5289.7	5017.4	4772.0	4575.6	4333.4	4050.0	3730.2	3369.2	3030.4
17.5°	5524.0	5349.8	5113.9	4936.6	4748.2	4532.9	4262.1	3961.3	3620.9	3310.6	3041.4
15°	5457.5	5273.9	5118.7	4944.5	4732.4	4506.0	4205.1	3893.2	3620.9	3334.4	3049.4
12.5°	5471.8	5313.4	5144.0	4954.0	4726.0	4483.8	4211.5	3921.7	3639.9	3351.8	3050.9
10°	5516.1	5349.8	5169.4	4958.8	4729.2	4490.1	4228.9	3939.2	3649.4	3359.7	3047.8
7.5°	5531.9	5351.4	5158.3	4946.1	4721.3	4487.0	4232.1	3943.9	3651.0	3358.1	3038.3
5°	5482.8	5319.8	5132.9	4919.2	4699.1	4471.1	4219.4	3937.6	3638.3	3342.3	3014.5
2.5°	5416.3	5284.9	5106.0	4900.2	4677.0	4449.0	4198.8	3909.1	3609.8	3313.8	2984.5
0°	5405.3	5242.2	5061.7	4878.0	4640.5	4399.9	4151.3	3855.2	3557.6	3259.9	2932.2
-2.5°	5332.4	5159.9	4979.4	4779.9	4570.9	4328.6	4067.4	3777.7	3483.2	3190.3	2875.2
-5°	5277.0	5085.4	4893.9	4678.5	4468.0	4225.7	3955.0	3673.2	3385.0	3100.0	2796.0
-7.5°	5202.6	5006.3	4805.2	4580.4	4352.4	4105.4	3837.8	3556.0	3272.6	2989.2	2697.9
-10°	5052.2	4879.6	4691.2	4458.5	4217.8	3970.8	3704.8	3427.8	3144.4	2857.8	2564.9
-12.5°	4870.1	4688.0	4482.2	4268.5	4053.2	3823.6	3557.6	3285.3	3000.3	2712.1	2420.8
-15°	4634.2	4455.3	4244.7	4035.7	3828.3	3608.3	3373.9	3128.5	2838.8	2555.4	2264.1
-17.5°	4339.7	4171.9	3983.5	3784.0	3578.2	3356.5	3128.5	2921.1	2650.4	2384.4	2096.2
-20°	4023.1	3866.3	3696.9	3508.5	3302.7	3085.8	2870.5	2653.6	2419.2	2184.9	1917.3



REPORT NUMBER: P722265
 CATALOG NUMBER: IFLD-M-SA4B-930-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3693.8	3535.4	3364.4	3188.7	2998.7	2797.6	2598.1	2390.7	2184.9	1972.7	1746.3
-25°	3313.8	3174.4	3017.7	2846.7	2677.3	2501.6	2311.6	2123.2	1947.4	1763.8	1578.5
-27.5°	2916.4	2788.1	2645.6	2496.8	2351.1	2203.9	2039.2	1865.1	1719.4	1567.4	1413.9
-30°	2498.4	2395.5	2279.9	2150.1	2037.7	1918.9	1781.2	1637.1	1504.1	1388.5	1265.0
-32.5°	2102.6	2015.5	1933.2	1847.7	1736.8	1645.0	1550.0	1443.9	1326.8	1217.5	1128.9
-35°	1762.2	1668.8	1633.9	1570.6	1491.4	1410.7	1341.0	1265.0	1176.4	1079.8	1007.0
-37.5°	1475.6	1420.2	1371.1	1336.3	1284.0	1219.1	1163.7	1108.3	1040.2	967.4	894.5
-40°	1252.4	1214.4	1160.5	1143.1	1109.9	1065.5	1008.5	965.8	919.9	864.5	802.7
-42.5°	1073.5	1045.0	1010.1	980.0	965.8	934.1	889.8	848.6	812.2	774.2	726.7
-45°	926.2	907.2	885.0	858.1	847.0	821.7	790.0	744.1	723.6	691.9	657.1
-47.5°	807.5	798.0	782.1	764.7	748.9	729.9	701.4	672.9	644.4	623.8	596.9
-50°	714.1	707.7	698.2	684.0	663.4	650.7	631.7	606.4	579.5	562.1	543.1
-52.5°	639.6	633.3	627.0	615.9	600.1	587.4	571.6	551.0	528.8	511.4	495.6
-55°	582.6	573.1	568.4	558.9	546.2	532.0	517.7	503.5	484.5	468.6	452.8
-57.5°	538.3	525.6	519.3	511.4	498.7	484.5	473.4	459.1	446.5	429.1	414.8
-60°	503.5	489.2	476.6	468.6	457.6	443.3	432.2	421.1	408.5	394.2	376.8
-62.5°	475.0	457.6	440.1	430.6	419.6	406.9	395.8	384.7	372.1	357.8	342.0
-65°	448.1	427.5	405.3	395.8	384.7	372.1	357.8	349.9	338.8	326.2	310.3
-67.5°	414.8	392.6	373.7	362.6	351.5	340.4	327.7	319.8	308.7	292.9	277.1
-70°	365.7	351.5	338.8	329.3	319.8	310.3	297.7	285.0	272.3	258.1	243.8
-72.5°	304.0	299.2	297.7	292.9	281.8	270.7	258.1	245.4	234.3	223.2	212.2
-75°	245.4	248.6	251.7	250.2	239.1	228.0	216.9	205.8	197.9	188.4	178.9
-77.5°	194.7	197.9	201.1	201.1	193.2	186.8	178.9	171.0	164.7	156.7	147.2
-80°	150.4	155.2	159.9	163.1	156.7	152.0	145.7	139.3	133.0	126.7	120.3
-82.5°	114.0	118.7	123.5	126.7	121.9	118.7	114.0	109.2	104.5	98.2	93.4
-85°	82.3	85.5	88.7	90.2	87.1	83.9	80.7	77.6	74.4	69.7	66.5
-87.5°	47.5	49.1	50.7	52.2	49.1	45.9	44.3	41.2	39.6	36.4	34.8
-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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 CATALOG NUMBER: IFLD-M-SA4B-930-U-76

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°	39.6	36.4	33.2	31.7	28.5	23.7	20.6	17.4	14.2	11.1	9.5
85°	83.9	76.0	66.5	61.7	55.4	49.1	42.7	36.4	30.1	23.7	17.4
82.5°	144.1	134.6	125.1	114.0	99.7	82.3	64.9	53.8	44.3	34.8	26.9
80°	216.9	199.5	183.7	169.4	153.6	131.4	107.7	85.5	60.2	45.9	34.8
77.5°	300.8	280.2	258.1	234.3	209.0	178.9	152.0	123.5	93.4	63.3	44.3
75°	395.8	368.9	338.8	305.6	272.3	232.7	194.7	161.5	126.7	88.7	53.8
72.5°	501.9	468.6	432.2	387.9	335.7	289.7	243.8	199.5	158.3	112.4	72.8
70°	638.1	585.8	532.0	484.5	418.0	345.2	291.3	240.7	188.4	137.7	91.8
67.5°	783.7	720.4	655.5	585.8	501.9	416.4	338.8	281.8	220.1	161.5	109.2
65°	942.0	862.9	780.5	703.0	587.4	486.1	399.0	321.4	250.2	183.7	126.7
62.5°	1105.1	1011.7	916.7	815.4	682.4	557.3	456.0	365.7	278.7	204.2	142.5
60°	1279.3	1170.0	1054.5	927.8	772.6	634.9	509.8	411.6	308.7	224.8	159.9
57.5°	1462.9	1344.2	1208.0	1037.0	866.0	709.3	571.6	452.8	335.7	243.8	172.6
55°	1662.4	1526.3	1377.4	1151.0	957.9	783.7	633.3	494.0	364.2	259.7	185.2
52.5°	1877.8	1719.4	1531.0	1271.4	1054.5	859.7	690.3	530.4	391.1	277.1	196.3
50°	2118.4	1918.9	1665.6	1382.2	1138.4	931.0	747.3	570.0	413.2	296.1	205.8
47.5°	2368.6	2153.2	1785.9	1485.1	1223.9	1000.6	805.9	604.8	435.4	311.9	215.3
45°	2629.8	2316.3	1911.0	1576.9	1298.3	1064.0	850.2	636.5	462.3	326.2	223.2
42.5°	2887.9	2439.8	2020.2	1668.8	1367.9	1121.0	886.6	666.6	484.5	340.4	231.2
40°	3009.8	2533.2	2107.3	1732.1	1426.5	1171.6	918.3	693.5	503.5	349.9	239.1
37.5°	3060.4	2590.2	2164.3	1792.3	1472.4	1198.5	945.2	717.2	519.3	359.4	245.4
35°	3071.5	2610.8	2192.8	1833.4	1510.4	1223.9	965.8	734.6	532.0	368.9	251.7
32.5°	3050.9	2604.5	2200.7	1847.7	1534.2	1242.9	980.0	747.3	541.5	378.4	258.1
30°	3005.0	2571.2	2172.2	1846.1	1551.6	1253.9	989.5	756.8	551.0	384.7	261.2
27.5°	2930.6	2512.6	2135.8	1847.7	1561.1	1258.7	994.3	761.5	557.3	389.5	267.6
25°	2838.8	2433.5	2137.4	1844.5	1562.7	1260.3	994.3	761.5	558.9	391.1	272.3
22.5°	2732.7	2433.5	2137.4	1839.8	1553.2	1257.1	989.5	758.4	558.9	394.2	277.1
20°	2739.0	2435.1	2132.7	1830.3	1538.9	1247.6	978.5	750.5	554.1	399.0	280.2
17.5°	2743.8	2431.9	2123.2	1817.6	1519.9	1231.8	964.2	739.4	554.1	403.7	281.8
15°	2743.8	2422.4	2108.9	1798.6	1496.2	1209.6	943.6	729.9	555.7	405.3	285.0
12.5°	2739.0	2405.0	2086.7	1773.3	1467.7	1182.7	931.0	726.7	555.7	406.9	285.0
10°	2729.5	2381.2	2058.2	1741.6	1440.8	1173.2	924.6	720.4	552.6	406.9	285.0
7.5°	2712.1	2352.7	2034.5	1722.6	1424.9	1162.1	915.1	710.9	547.8	403.7	288.2
5°	2685.2	2336.9	2015.5	1700.4	1402.8	1154.2	908.8	703.0	544.6	403.7	285.0
2.5°	2650.4	2317.9	1993.3	1671.9	1377.4	1127.3	888.2	685.6	533.6	397.4	281.8
0°	2593.4	2279.9	1955.3	1632.3	1342.6	1100.4	867.6	668.1	522.5	391.1	278.7
-2.5°	2541.1	2229.2	1906.2	1591.2	1309.4	1076.6	851.8	658.6	517.7	389.5	277.1
-5°	2468.3	2159.6	1841.3	1537.3	1265.0	1052.9	836.0	647.6	513.0	386.3	277.1
-7.5°	2387.6	2086.7	1773.3	1481.9	1220.7	1011.7	805.9	630.1	501.9	380.0	275.5
-10°	2262.5	1977.5	1687.8	1418.6	1173.2	975.3	780.5	614.3	492.4	373.7	269.2
-12.5°	2129.5	1857.2	1589.6	1341.0	1119.4	937.3	752.1	596.9	481.3	367.3	266.0
-15°	1988.6	1733.7	1486.7	1260.3	1060.8	891.4	722.0	577.9	470.2	359.4	261.2
-17.5°	1841.3	1603.8	1380.6	1177.9	1002.2	843.9	690.3	560.5	457.6	351.5	256.5
-20°	1686.2	1470.9	1272.9	1094.0	940.5	796.4	657.1	539.9	443.3	342.0	250.2



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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°	1532.6	1339.4	1162.1	1011.7	877.1	747.3	623.8	519.3	427.5	330.9	245.4
-25°	1396.4	1215.9	1064.0	932.5	815.4	699.8	589.0	498.7	410.1	319.8	239.1
-27.5°	1263.4	1109.9	967.4	858.1	755.2	653.9	555.7	476.6	392.6	307.2	232.7
-30°	1139.9	1008.5	891.4	785.3	698.2	612.7	527.2	454.4	373.7	294.5	224.8
-32.5°	1027.5	921.5	823.3	722.0	644.4	571.6	500.3	432.2	354.7	281.8	216.9
-35°	923.0	840.7	755.2	669.7	590.6	533.6	471.8	408.5	337.2	267.6	209.0
-37.5°	829.6	763.1	695.1	622.2	554.1	497.1	444.9	384.7	319.8	254.9	201.1
-40°	748.9	695.1	634.9	576.3	519.3	465.5	418.0	361.0	302.4	245.4	193.2
-42.5°	674.5	633.3	584.2	535.1	484.5	437.0	391.1	335.7	285.0	234.3	185.2
-45°	617.5	576.3	536.7	492.4	449.6	408.5	362.6	313.5	269.2	221.7	177.3
-47.5°	563.6	527.2	490.8	454.4	419.6	381.6	335.7	294.5	251.7	210.6	171.0
-50°	516.1	481.3	449.6	418.0	387.9	351.5	308.7	275.5	237.5	199.5	163.1
-52.5°	471.8	441.7	410.1	384.7	359.4	323.0	288.2	256.5	223.2	186.8	155.2
-55°	432.2	403.7	375.2	351.5	327.7	296.1	267.6	240.7	209.0	177.3	147.2
-57.5°	394.2	370.5	343.6	321.4	297.7	272.3	248.6	223.2	194.7	167.8	139.3
-60°	359.4	337.2	313.5	291.3	270.7	250.2	228.0	207.4	182.1	156.7	131.4
-62.5°	324.6	305.6	285.0	262.8	247.0	228.0	210.6	190.0	169.4	147.2	117.2
-65°	292.9	275.5	256.5	237.5	223.2	209.0	193.2	174.2	156.7	136.2	104.5
-67.5°	261.2	245.4	229.6	213.7	201.1	190.0	174.2	159.9	145.7	123.5	91.8
-70°	231.2	218.5	204.2	191.6	182.1	169.4	158.3	145.7	133.0	107.7	77.6
-72.5°	202.7	190.0	178.9	169.4	161.5	150.4	140.9	131.4	114.0	90.2	64.9
-75°	169.4	161.5	155.2	147.2	139.3	131.4	123.5	112.4	95.0	72.8	50.7
-77.5°	139.3	134.6	129.8	123.5	117.2	110.8	101.3	90.2	76.0	57.0	41.2
-80°	114.0	109.2	106.1	99.7	95.0	88.7	79.2	69.7	55.4	44.3	33.2
-82.5°	87.1	83.9	80.7	77.6	72.8	66.5	57.0	49.1	41.2	33.2	25.3
-85°	61.7	60.2	57.0	53.8	49.1	44.3	38.0	33.2	28.5	22.2	17.4
-87.5°	31.7	30.1	28.5	26.9	25.3	22.2	19.0	15.8	14.2	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°	6.3	4.7	1.6	0.0
85°	12.7	7.9	3.2	0.0
82.5°	19.0	12.7	4.7	0.0
80°	25.3	15.8	7.9	0.0
77.5°	31.7	19.0	9.5	0.0
75°	38.0	23.7	11.1	0.0
72.5°	42.7	26.9	12.7	0.0
70°	50.7	31.7	14.2	0.0
67.5°	63.3	34.8	15.8	0.0
65°	74.4	38.0	17.4	0.0
62.5°	87.1	41.2	19.0	0.0
60°	98.2	44.3	20.6	0.0
57.5°	109.2	52.2	22.2	0.0
55°	118.7	58.6	23.7	0.0
52.5°	129.8	64.9	25.3	0.0
50°	139.3	71.2	26.9	0.0
47.5°	147.2	77.6	26.9	0.0
45°	153.6	82.3	28.5	0.0
42.5°	158.3	87.1	30.1	0.0
40°	163.1	91.8	31.7	0.0
37.5°	167.8	96.6	31.7	0.0
35°	172.6	101.3	33.2	0.0
32.5°	177.3	106.1	33.2	0.0
30°	180.5	109.2	34.8	0.0
27.5°	185.2	112.4	34.8	0.0
25°	186.8	115.6	36.4	0.0
22.5°	190.0	117.2	36.4	0.0
20°	193.2	120.3	36.4	0.0
17.5°	194.7	121.9	38.0	0.0
15°	194.7	123.5	39.6	0.0
12.5°	196.3	125.1	39.6	0.0
10°	196.3	128.2	38.0	0.0
7.5°	199.5	126.7	38.0	0.0
5°	197.9	126.7	38.0	0.0
2.5°	196.3	125.1	38.0	0.0
0°	194.7	125.1	38.0	0.0
-2.5°	194.7	125.1	38.0	0.0
-5°	194.7	125.1	38.0	0.0
-7.5°	193.2	126.7	38.0	0.0
-10°	190.0	126.7	38.0	0.0
-12.5°	188.4	121.9	38.0	0.0
-15°	186.8	120.3	38.0	0.0
-17.5°	183.7	118.7	36.4	0.0
-20°	180.5	117.2	36.4	0.0



REPORT NUMBER: P722265
 CATALOG NUMBER: IFLD-M-SA4B-930-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	177.3	114.0	36.4	0.0
-25°	174.2	110.8	34.8	0.0
-27.5°	171.0	107.7	34.8	0.0
-30°	166.2	104.5	33.2	0.0
-32.5°	161.5	101.3	33.2	0.0
-35°	158.3	96.6	31.7	0.0
-37.5°	153.6	91.8	31.7	0.0
-40°	148.8	87.1	30.1	0.0
-42.5°	144.1	82.3	28.5	0.0
-45°	137.7	77.6	28.5	0.0
-47.5°	133.0	72.8	26.9	0.0
-50°	125.1	66.5	25.3	0.0
-52.5°	115.6	60.2	23.7	0.0
-55°	106.1	55.4	22.2	0.0
-57.5°	96.6	49.1	22.2	0.0
-60°	87.1	42.7	20.6	0.0
-62.5°	77.6	39.6	19.0	0.0
-65°	68.1	36.4	17.4	0.0
-67.5°	57.0	31.7	15.8	0.0
-70°	47.5	28.5	14.2	0.0
-72.5°	41.2	25.3	12.7	0.0
-75°	34.8	22.2	11.1	0.0
-77.5°	30.1	19.0	9.5	0.0
-80°	23.7	14.2	6.3	0.0
-82.5°	17.4	11.1	4.7	0.0
-85°	11.1	7.9	3.2	0.0
-87.5°	6.3	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)