

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: P722312

Luminaire Tested: **IFLD-S-SA3A-940-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722312
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-940-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

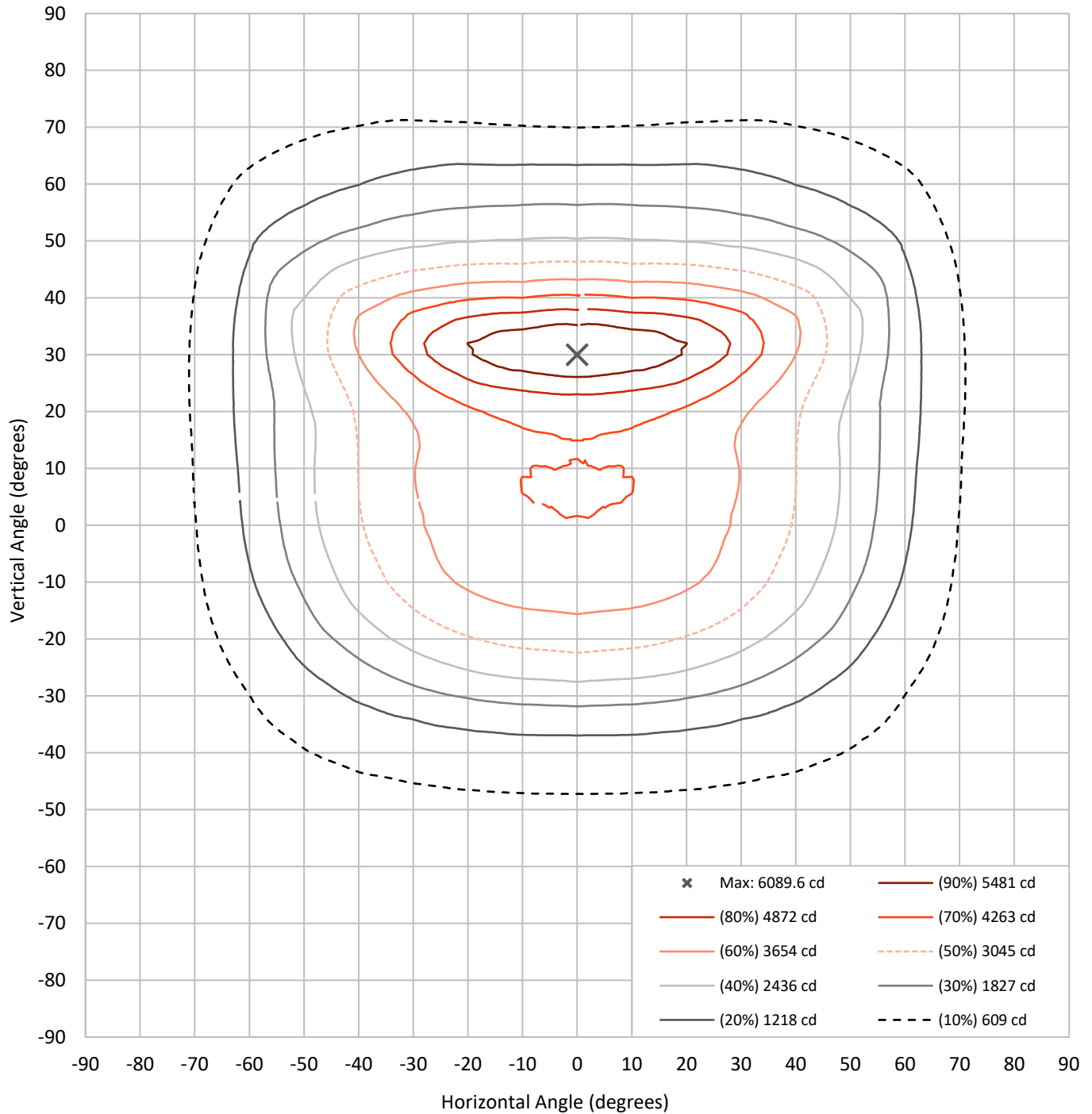
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	10165.1 lumens	Max Intensity:	6089.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	107.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	5911.1 lumens	Field Lumens:	9526 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 94.8
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



REPORT NUMBER: P722312
CATALOG NUMBER: IFLD-S-SA3A-940-U-76

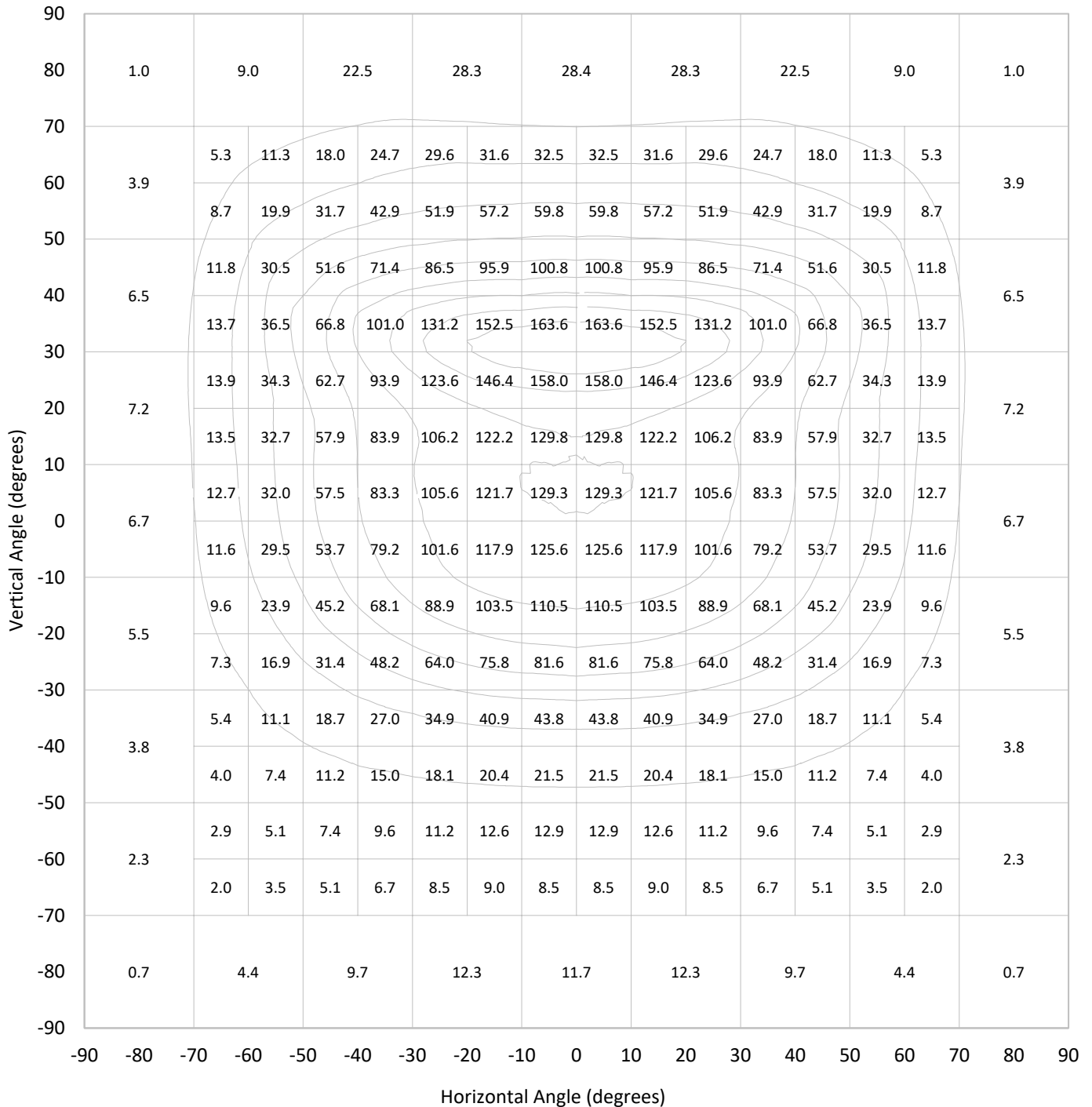
Iso-Candela Plot





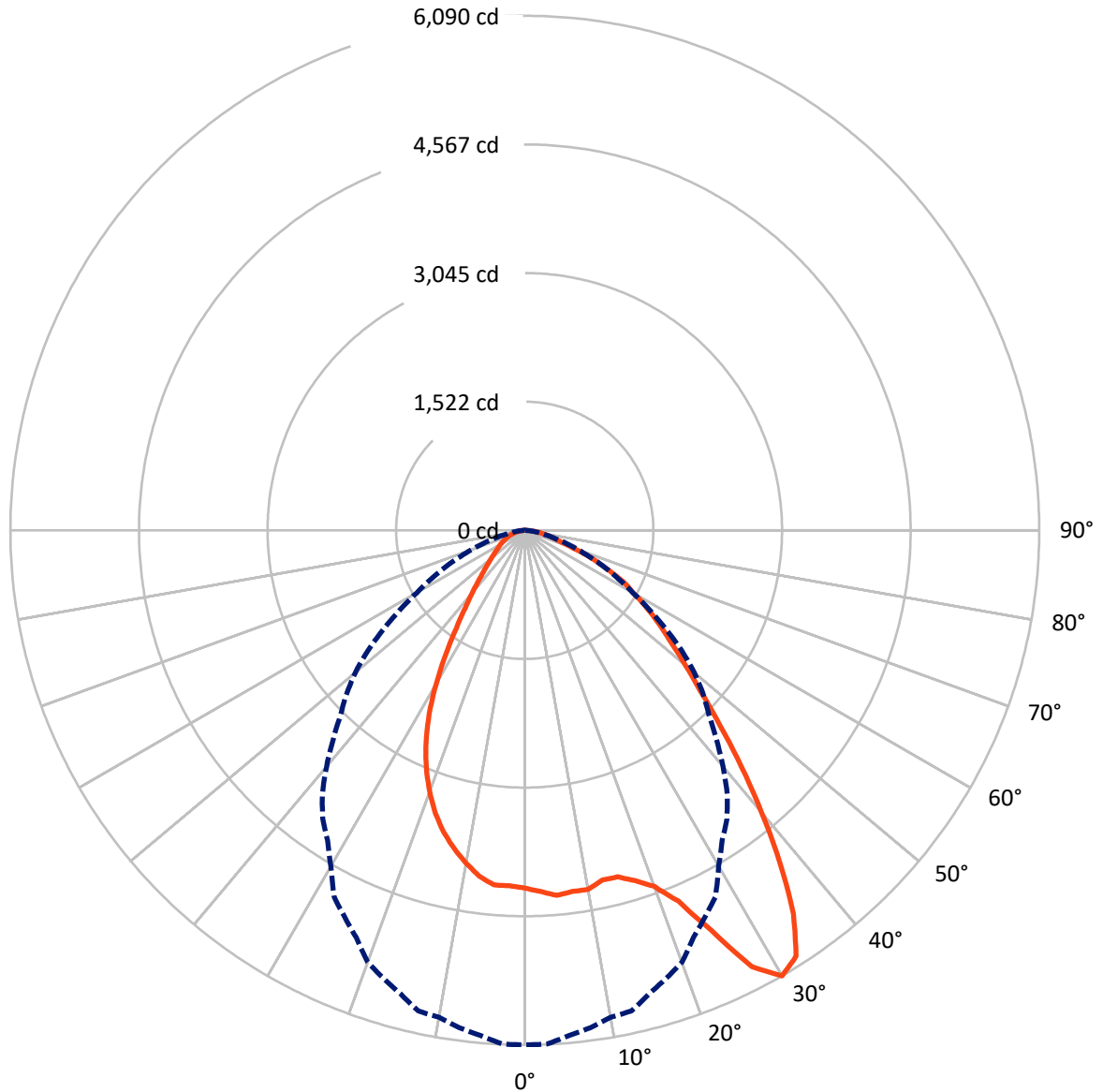
REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-U-76

Lumen Table



REPORT NUMBER: P722312
CATALOG NUMBER: IFLD-S-SA3A-940-U-76

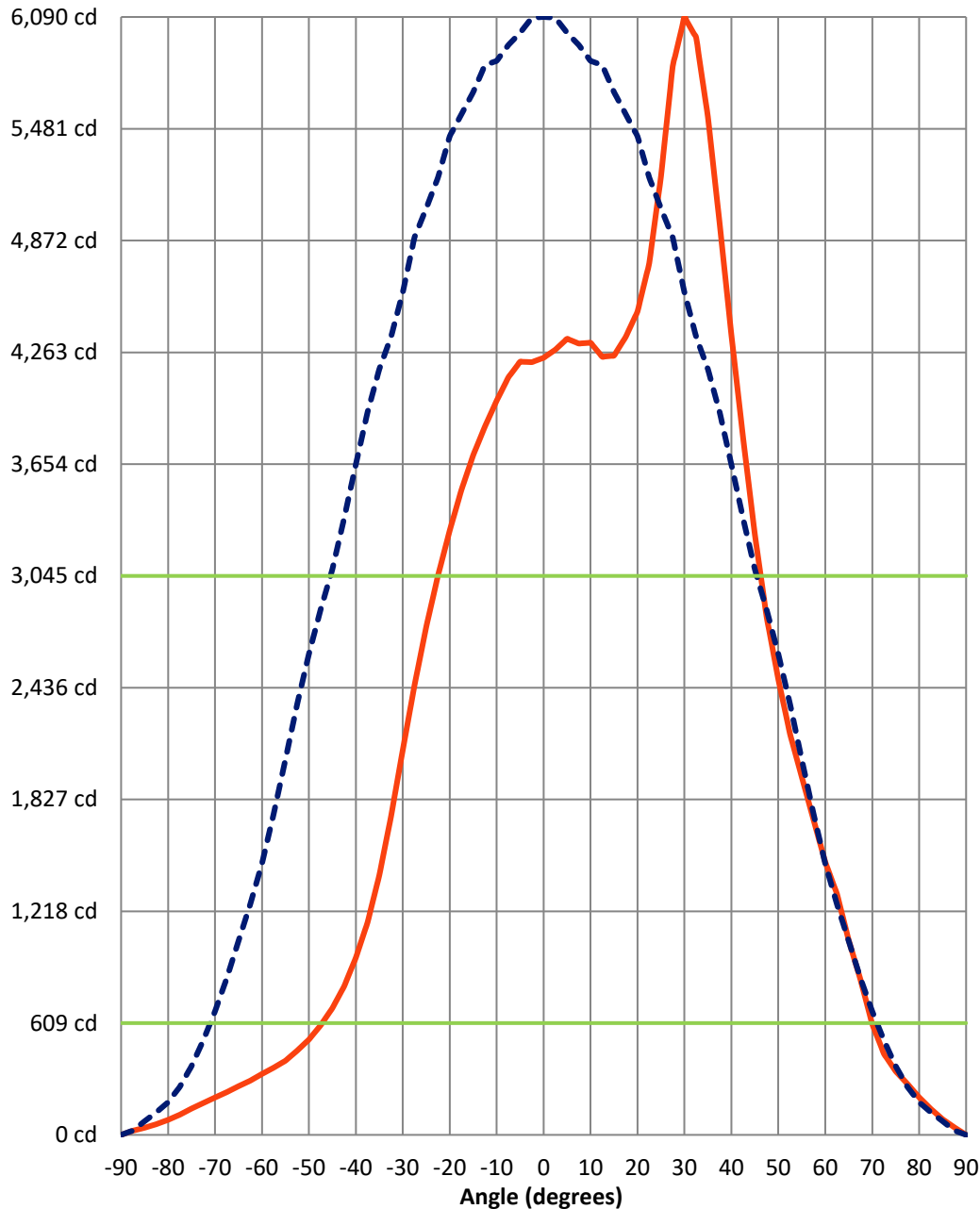
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 5911.1
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 9526
 Efficiency: 93.7%

Spill:
 Lumens: 639.1
 Efficiency: 6.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 30-Deg



REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-U-76

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°	40.9	42.0	43.1	43.1	42.0	42.0	42.0	40.9	42.0	42.0	42.0
85°	85.1	87.2	89.4	88.3	87.2	85.1	82.9	84.0	85.1	86.1	86.1
82.5°	141.1	144.3	146.5	145.4	143.2	141.1	138.9	140.0	142.1	143.2	143.2
80°	204.6	205.7	206.8	208.9	205.7	205.7	204.6	208.9	211.1	213.2	215.4
77.5°	277.8	278.9	278.9	280.0	281.1	282.1	282.1	289.7	295.1	298.3	301.5
75°	346.7	350.0	353.2	356.4	360.7	362.9	366.1	376.9	385.5	392.0	398.4
72.5°	441.5	445.8	451.2	458.7	466.3	471.7	479.2	492.1	501.8	508.3	515.8
70°	604.1	608.4	613.8	619.2	626.7	632.1	639.7	655.8	665.5	669.8	674.1
67.5°	845.3	856.1	865.8	855.0	849.6	842.1	844.3	859.3	869.0	875.5	874.4
65°	1059.6	1067.2	1067.2	1066.1	1061.8	1052.1	1057.5	1075.8	1086.5	1091.9	1075.8
62.5°	1311.6	1311.6	1306.2	1314.8	1315.9	1309.5	1306.2	1307.3	1308.4	1311.6	1284.7
60°	1486.1	1496.8	1500.1	1507.6	1509.8	1509.8	1515.1	1519.4	1519.4	1513.0	1481.8
57.5°	1716.5	1737.0	1741.3	1735.9	1725.1	1711.1	1709.0	1702.5	1689.6	1676.7	1661.6
55°	1949.1	1959.9	1958.8	1955.6	1944.8	1928.6	1930.8	1922.2	1901.7	1885.6	1865.1
52.5°	2182.8	2208.6	2212.9	2206.5	2191.4	2174.2	2175.2	2165.6	2145.1	2127.9	2099.9
50°	2481.1	2502.6	2500.5	2489.7	2468.2	2455.2	2456.3	2438.0	2414.3	2408.9	2372.3
47.5°	2822.4	2847.2	2842.9	2827.8	2798.7	2793.4	2798.7	2775.1	2761.1	2749.2	2706.1
45°	3270.4	3299.5	3283.3	3254.3	3208.0	3213.3	3220.9	3216.6	3186.4	3155.2	3100.3
42.5°	3795.9	3814.2	3794.8	3765.8	3707.6	3718.4	3714.1	3688.2	3669.9	3618.2	3548.2
40°	4358.0	4397.9	4367.7	4322.5	4262.2	4278.3	4266.5	4233.1	4190.0	4125.4	4037.1
37.5°	4964.3	4995.5	4961.1	4908.3	4854.5	4849.1	4825.4	4773.7	4712.3	4641.2	4500.2
35°	5544.7	5625.5	5562.0	5478.0	5412.3	5387.5	5364.9	5245.4	5175.4	5060.1	4867.4
32.5°	5976.6	6035.8	5957.2	5869.9	5790.3	5755.8	5676.1	5534.0	5496.3	5254.0	5077.4
30°	6089.6	6085.3	6003.5	5936.7	5850.6	5826.9	5680.4	5559.8	5439.2	5215.2	5047.2
27.5°	5820.4	5793.5	5714.9	5656.7	5571.7	5543.7	5399.4	5334.7	5148.4	4958.9	4816.8
25°	5220.6	5234.6	5175.4	5146.3	5090.3	5030.0	4972.9	4885.7	4769.4	4603.6	4473.3
22.5°	4747.9	4766.2	4741.4	4706.9	4663.9	4630.5	4587.4	4519.6	4407.6	4305.3	4182.5
20°	4485.1	4479.7	4458.2	4432.3	4391.4	4367.7	4320.3	4263.3	4177.1	4088.8	3956.4
17.5°	4347.3	4313.9	4293.4	4283.7	4262.2	4232.0	4176.0	4117.9	4051.1	3951.0	3854.1
15°	4245.0	4250.4	4234.2	4226.7	4209.4	4167.4	4110.4	4063.0	3972.5	3921.9	3833.6
12.5°	4238.5	4233.1	4234.2	4231.0	4209.4	4155.6	4126.5	4066.2	4008.1	3941.3	3840.1
10°	4315.0	4257.9	4262.2	4277.3	4242.8	4199.7	4168.5	4102.8	4047.9	3962.8	3862.7
7.5°	4310.7	4281.6	4290.2	4265.4	4276.2	4223.4	4180.4	4114.7	4045.7	3955.3	3864.8
5°	4336.5	4292.3	4284.8	4287.0	4260.0	4220.2	4162.0	4099.6	4035.0	3933.8	3841.1
2.5°	4277.3	4283.7	4249.3	4236.4	4233.1	4166.4	4112.5	4052.2	3985.4	3896.1	3813.1
0°	4233.1	4245.0	4209.4	4191.1	4190.0	4133.0	4098.5	4029.6	3982.2	3907.9	3807.8
-2.5°	4209.4	4223.4	4227.7	4194.4	4162.0	4117.9	4059.7	3985.4	3907.9	3821.8	3735.6
-5°	4211.6	4183.6	4171.7	4182.5	4154.5	4110.4	4045.7	3980.1	3903.6	3811.0	3703.3
-7.5°	4126.5	4098.5	4096.4	4091.0	4084.5	4042.5	3988.7	3917.6	3840.1	3753.9	3653.8
-10°	3999.4	3979.0	3973.6	3968.2	3951.0	3926.2	3875.6	3811.0	3741.0	3654.8	3548.2
-12.5°	3858.4	3848.7	3828.2	3814.2	3797.0	3767.9	3719.5	3660.2	3590.2	3513.8	3422.2
-15°	3702.2	3683.9	3663.5	3651.6	3626.9	3592.4	3543.9	3489.0	3412.6	3337.2	3251.0
-17.5°	3513.8	3491.2	3468.6	3465.3	3448.1	3395.3	3350.1	3283.3	3216.6	3144.4	3060.4
-20°	3291.9	3260.7	3245.6	3237.0	3213.3	3174.6	3126.1	3064.7	3000.1	2931.2	2834.3



REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	3046.4	3019.5	2993.7	2977.5	2957.0	2926.9	2880.6	2826.7	2763.2	2685.7	2596.3
-25°	2767.5	2729.8	2713.7	2695.4	2684.6	2656.6	2611.4	2561.8	2496.2	2420.8	2335.7
-27.5°	2448.8	2418.6	2410.0	2384.2	2371.2	2342.2	2304.5	2258.2	2197.9	2126.8	2056.8
-30°	2096.6	2078.3	2064.3	2038.5	2028.8	1997.6	1972.8	1934.0	1879.1	1828.5	1772.5
-32.5°	1734.8	1716.5	1712.2	1700.4	1693.9	1673.4	1645.4	1617.4	1573.3	1535.6	1490.4
-35°	1413.9	1401.0	1402.1	1401.0	1394.5	1379.5	1345.0	1337.5	1305.1	1270.7	1241.6
-37.5°	1157.6	1158.7	1157.6	1156.5	1147.9	1141.5	1116.7	1107.0	1087.6	1054.2	1037.0
-40°	964.9	967.0	965.9	963.8	954.1	950.9	934.7	921.8	914.3	890.6	872.3
-42.5°	808.7	811.9	810.9	809.8	803.3	802.3	793.6	778.6	774.3	760.3	740.9
-45°	690.3	689.2	687.0	689.2	686.0	682.7	677.3	667.7	662.3	655.8	639.7
-47.5°	596.6	597.7	595.5	595.5	591.2	588.0	585.8	579.3	575.0	569.7	560.0
-50°	519.0	523.4	522.3	521.2	518.0	515.8	515.8	509.4	502.9	500.7	494.3
-52.5°	458.7	462.0	463.0	465.2	466.3	467.4	464.1	457.7	446.9	445.8	442.6
-55°	403.8	413.5	420.0	424.3	428.6	431.8	425.4	416.7	406.0	401.7	400.6
-57.5°	366.1	375.8	383.4	389.8	395.2	400.6	394.1	385.5	375.8	370.4	369.4
-60°	331.7	340.3	347.8	356.4	364.0	372.6	369.4	362.9	357.5	353.2	348.9
-62.5°	295.1	303.7	312.3	323.1	332.7	341.4	342.4	341.4	340.3	341.4	333.8
-65°	264.9	269.2	274.6	286.4	297.2	306.9	312.3	315.5	320.9	326.3	318.7
-67.5°	232.6	238.0	244.4	253.1	261.7	268.1	275.7	284.3	292.9	301.5	296.1
-70°	203.5	207.8	213.2	217.5	222.9	227.2	233.7	243.4	253.1	261.7	259.5
-72.5°	173.4	177.7	180.9	183.1	186.3	188.4	191.7	200.3	206.8	211.1	211.1
-75°	143.2	147.5	150.8	151.8	154.0	155.1	157.2	160.5	163.7	164.8	165.8
-77.5°	109.8	114.1	117.4	119.5	121.7	123.8	124.9	127.1	128.1	128.1	129.2
-80°	81.8	85.1	87.2	90.5	91.5	93.7	95.8	96.9	98.0	98.0	99.1
-82.5°	58.2	60.3	62.5	64.6	66.8	67.8	70.0	71.1	72.1	73.2	74.3
-85°	38.8	40.9	43.1	45.2	46.3	47.4	48.5	49.5	50.6	51.7	52.8
-87.5°	22.6	23.7	24.8	26.9	28.0	30.2	31.2	30.2	31.2	31.2	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



REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-U-76

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°	42.0	42.0	42.0	42.0	40.9	38.8	37.7	35.5	33.4	31.2	29.1
85°	87.2	88.3	88.3	88.3	86.1	85.1	81.8	78.6	74.3	67.8	62.5
82.5°	145.4	146.5	146.5	145.4	143.2	140.0	135.7	130.3	121.7	113.1	105.5
80°	218.6	219.7	219.7	218.6	213.2	207.8	202.4	196.0	185.2	173.4	160.5
77.5°	305.8	308.0	308.0	304.8	297.2	290.8	282.1	271.4	255.2	238.0	220.8
75°	407.1	412.4	413.5	410.3	400.6	388.7	374.7	356.4	331.7	310.1	289.7
72.5°	524.4	529.8	534.1	529.8	515.8	499.7	479.2	457.7	432.9	403.8	369.4
70°	678.4	683.8	687.0	673.0	648.3	621.3	596.6	571.8	542.7	507.2	469.5
67.5°	872.3	866.9	860.4	832.4	801.2	768.9	734.4	697.8	660.1	622.4	578.3
65°	1058.5	1043.5	1029.5	996.1	956.2	914.3	874.4	833.5	788.3	740.9	698.9
62.5°	1254.5	1222.2	1187.8	1146.9	1105.9	1059.6	1019.8	971.3	920.7	862.6	808.7
60°	1447.3	1408.5	1374.1	1323.5	1269.6	1207.2	1164.1	1116.7	1057.5	995.0	931.5
57.5°	1633.6	1591.6	1553.9	1509.8	1451.6	1383.8	1336.4	1275.0	1212.5	1133.9	1069.3
55°	1831.7	1789.7	1759.6	1710.0	1646.5	1584.1	1532.4	1467.8	1380.5	1296.5	1216.8
52.5°	2058.9	2025.6	1993.3	1942.6	1866.2	1802.7	1745.6	1673.4	1581.9	1478.5	1382.7
50°	2313.1	2295.9	2261.4	2202.2	2114.9	2058.9	1983.6	1887.7	1789.7	1681.0	1561.4
47.5°	2650.1	2622.1	2573.7	2509.1	2435.8	2351.9	2250.6	2138.6	1999.7	1879.1	1752.0
45°	3052.9	3001.2	2938.7	2851.5	2761.1	2666.3	2555.4	2413.2	2226.9	2069.7	1936.2
42.5°	3489.0	3419.0	3333.9	3219.8	3102.4	2986.1	2866.6	2672.8	2440.2	2259.2	2108.5
40°	3944.5	3855.1	3748.5	3582.7	3452.4	3302.7	3166.0	2876.3	2628.6	2432.6	2272.2
37.5°	4390.3	4277.3	4098.5	3897.1	3745.3	3622.5	3322.1	3012.0	2790.1	2574.8	2412.2
35°	4731.7	4635.9	4320.3	4111.4	3981.1	3787.3	3411.5	3093.8	2859.1	2680.3	2427.2
32.5°	4934.2	4686.5	4409.7	4198.7	4091.0	3773.3	3417.9	3117.5	2891.4	2691.1	2388.5
30°	4888.9	4589.6	4347.3	4170.7	3937.0	3651.6	3357.6	3080.9	2861.2	2618.9	2345.4
27.5°	4616.5	4385.0	4168.5	3984.4	3755.0	3498.7	3227.3	2984.0	2779.4	2544.6	2286.2
25°	4308.5	4098.5	3938.1	3777.6	3560.1	3315.6	3076.6	2901.0	2695.4	2463.8	2208.6
22.5°	4025.3	3874.5	3748.5	3580.5	3368.4	3155.2	3006.6	2824.6	2613.5	2378.8	2128.9
20°	3844.4	3742.1	3597.8	3412.6	3245.6	3112.1	2947.4	2754.6	2537.1	2291.5	2061.1
17.5°	3757.2	3638.7	3478.2	3357.6	3229.5	3083.0	2898.9	2694.3	2462.8	2251.7	2068.6
15°	3711.9	3587.0	3481.5	3363.0	3218.7	3064.7	2860.1	2648.0	2462.8	2267.9	2074.0
12.5°	3721.6	3613.9	3498.7	3369.5	3214.4	3049.7	2864.4	2667.4	2475.7	2279.7	2075.1
10°	3751.8	3638.7	3515.9	3372.7	3216.6	3054.0	2876.3	2679.2	2482.2	2285.1	2072.9
7.5°	3762.5	3639.8	3508.4	3364.1	3211.2	3051.8	2878.4	2682.4	2483.2	2284.0	2066.5
5°	3729.2	3618.2	3491.2	3345.8	3196.1	3041.0	2869.8	2678.1	2474.6	2273.2	2050.3
2.5°	3683.9	3594.5	3472.9	3332.9	3181.0	3026.0	2855.8	2658.8	2455.2	2253.9	2029.9
0°	3676.4	3565.5	3442.7	3317.8	3156.3	2992.6	2823.5	2622.1	2419.7	2217.2	1994.3
-2.5°	3626.9	3509.5	3386.7	3251.0	3108.9	2944.1	2766.4	2569.4	2369.1	2169.9	1955.6
-5°	3589.2	3458.9	3328.6	3182.1	3038.9	2874.1	2690.0	2498.3	2302.3	2108.5	1901.7
-7.5°	3538.5	3405.0	3268.3	3115.3	2960.3	2792.3	2610.3	2418.6	2225.9	2033.1	1835.0
-10°	3436.2	3318.9	3190.7	3032.4	2868.7	2700.8	2519.8	2331.4	2138.6	1943.7	1744.5
-12.5°	3312.4	3188.6	3048.6	2903.2	2756.8	2600.6	2419.7	2234.5	2040.6	1844.7	1646.5
-15°	3152.0	3030.3	2887.1	2744.9	2603.8	2454.2	2294.8	2127.9	1930.8	1738.0	1539.9
-17.5°	2951.7	2837.5	2709.4	2573.7	2433.7	2282.9	2127.9	1986.8	1802.7	1621.7	1425.8
-20°	2736.3	2629.7	2514.5	2386.3	2246.3	2098.8	1952.3	1804.8	1645.4	1486.1	1304.1



REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2512.3	2404.6	2288.3	2168.8	2039.6	1902.8	1767.1	1626.1	1486.1	1341.8	1187.8
-25°	2253.9	2159.1	2052.5	1936.2	1821.0	1701.4	1572.2	1444.1	1324.5	1199.6	1073.6
-27.5°	1983.6	1896.3	1799.4	1698.2	1599.1	1499.0	1387.0	1268.5	1169.5	1066.1	961.6
-30°	1699.3	1629.3	1550.7	1462.4	1385.9	1305.1	1211.5	1113.5	1023.0	944.4	860.4
-32.5°	1430.1	1370.8	1314.8	1256.7	1181.3	1118.9	1054.2	982.1	902.4	828.1	767.8
-35°	1198.5	1135.0	1111.3	1068.2	1014.4	959.5	912.1	860.4	800.1	734.4	684.9
-37.5°	1003.6	965.9	932.6	908.9	873.3	829.2	791.5	753.8	707.5	658.0	608.4
-40°	851.8	825.9	789.3	777.5	754.9	724.7	686.0	656.9	625.7	588.0	546.0
-42.5°	730.1	710.7	687.0	666.6	656.9	635.3	605.2	577.2	552.4	526.6	494.3
-45°	630.0	617.0	602.0	583.7	576.1	558.9	537.4	506.1	492.1	470.6	446.9
-47.5°	549.2	542.7	532.0	520.1	509.4	496.4	477.0	457.7	438.3	424.3	406.0
-50°	485.7	481.4	474.9	465.2	451.2	442.6	429.7	412.4	394.1	382.3	369.4
-52.5°	435.0	430.7	426.4	418.9	408.1	399.5	388.7	374.7	359.7	347.8	337.1
-55°	396.3	389.8	386.6	380.1	371.5	361.8	352.1	342.4	329.5	318.7	308.0
-57.5°	366.1	357.5	353.2	347.8	339.2	329.5	322.0	312.3	303.7	291.8	282.1
-60°	342.4	332.7	324.1	318.7	311.2	301.5	294.0	286.4	277.8	268.1	256.3
-62.5°	323.1	311.2	299.4	292.9	285.4	276.8	269.2	261.7	253.1	243.4	232.6
-65°	304.8	290.8	275.7	269.2	261.7	253.1	243.4	238.0	230.4	221.8	211.1
-67.5°	282.1	267.1	254.1	246.6	239.1	231.5	222.9	217.5	210.0	199.2	188.4
-70°	248.8	239.1	230.4	224.0	217.5	211.1	202.4	193.8	185.2	175.5	165.8
-72.5°	206.8	203.5	202.4	199.2	191.7	184.1	175.5	166.9	159.4	151.8	144.3
-75°	166.9	169.1	171.2	170.1	162.6	155.1	147.5	140.0	134.6	128.1	121.7
-77.5°	132.5	134.6	136.8	136.8	131.4	127.1	121.7	116.3	112.0	106.6	100.1
-80°	102.3	105.5	108.8	110.9	106.6	103.4	99.1	94.8	90.5	86.1	81.8
-82.5°	77.5	80.8	84.0	86.1	82.9	80.8	77.5	74.3	71.1	66.8	63.5
-85°	56.0	58.2	60.3	61.4	59.2	57.1	54.9	52.8	50.6	47.4	45.2
-87.5°	32.3	33.4	34.5	35.5	33.4	31.2	30.2	28.0	26.9	24.8	23.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-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°	26.9	24.8	22.6	21.5	19.4	16.2	14.0	11.8	9.7	7.5	6.5
85°	57.1	51.7	45.2	42.0	37.7	33.4	29.1	24.8	20.5	16.2	11.8
82.5°	98.0	91.5	85.1	77.5	67.8	56.0	44.2	36.6	30.2	23.7	18.3
80°	147.5	135.7	124.9	115.2	104.5	89.4	73.2	58.2	40.9	31.2	23.7
77.5°	204.6	190.6	175.5	159.4	142.1	121.7	103.4	84.0	63.5	43.1	30.2
75°	269.2	250.9	230.4	207.8	185.2	158.3	132.5	109.8	86.1	60.3	36.6
72.5°	341.4	318.7	294.0	263.8	228.3	197.1	165.8	135.7	107.7	76.5	49.5
70°	434.0	398.4	361.8	329.5	284.3	234.8	198.1	163.7	128.1	93.7	62.5
67.5°	533.0	490.0	445.8	398.4	341.4	283.2	230.4	191.7	149.7	109.8	74.3
65°	640.7	586.9	530.9	478.1	399.5	330.6	271.4	218.6	170.1	124.9	86.1
62.5°	751.6	688.1	623.5	554.6	464.1	379.1	310.1	248.8	189.5	138.9	96.9
60°	870.1	795.8	717.2	631.0	525.5	431.8	346.7	280.0	210.0	152.9	108.8
57.5°	995.0	914.3	821.6	705.3	589.0	482.4	388.7	308.0	228.3	165.8	117.4
55°	1130.7	1038.1	936.9	782.9	651.5	533.0	430.7	336.0	247.7	176.6	126.0
52.5°	1277.2	1169.5	1041.3	864.7	717.2	584.7	469.5	360.7	266.0	188.4	133.5
50°	1440.8	1305.1	1132.9	940.1	774.3	633.2	508.3	387.7	281.1	201.4	140.0
47.5°	1611.0	1464.5	1214.7	1010.1	832.4	680.6	548.1	411.4	296.1	212.1	146.5
45°	1788.7	1575.4	1299.8	1072.5	883.0	723.6	578.3	432.9	314.4	221.8	151.8
42.5°	1964.2	1659.4	1374.1	1135.0	930.4	762.4	603.0	453.4	329.5	231.5	157.2
40°	2047.1	1723.0	1433.3	1178.1	970.2	796.9	624.6	471.7	342.4	238.0	162.6
37.5°	2081.6	1761.7	1472.1	1219.0	1001.5	815.2	642.9	487.8	353.2	244.4	166.9
35°	2089.1	1775.7	1491.4	1247.0	1027.3	832.4	656.9	499.7	361.8	250.9	171.2
32.5°	2075.1	1771.4	1496.8	1256.7	1043.5	845.3	666.6	508.3	368.3	257.4	175.5
30°	2043.9	1748.8	1477.4	1255.6	1055.3	852.9	673.0	514.7	374.7	261.7	177.7
27.5°	1993.3	1709.0	1452.7	1256.7	1061.8	856.1	676.3	518.0	379.1	264.9	182.0
25°	1930.8	1655.1	1453.8	1254.5	1062.9	857.2	676.3	518.0	380.1	266.0	185.2
22.5°	1858.7	1655.1	1453.8	1251.3	1056.4	855.0	673.0	515.8	380.1	268.1	188.4
20°	1863.0	1656.2	1450.5	1244.8	1046.7	848.6	665.5	510.4	376.9	271.4	190.6
17.5°	1866.2	1654.1	1444.1	1236.2	1033.8	837.8	655.8	502.9	376.9	274.6	191.7
15°	1866.2	1647.6	1434.4	1223.3	1017.6	822.7	641.8	496.4	378.0	275.7	193.8
12.5°	1863.0	1635.7	1419.3	1206.1	998.2	804.4	633.2	494.3	378.0	276.8	193.8
10°	1856.5	1619.6	1399.9	1184.5	979.9	798.0	628.9	490.0	375.8	276.8	193.8
7.5°	1844.7	1600.2	1383.8	1171.6	969.2	790.4	622.4	483.5	372.6	274.6	196.0
5°	1826.3	1589.4	1370.8	1156.5	954.1	785.0	618.1	478.1	370.4	274.6	193.8
2.5°	1802.7	1576.5	1355.8	1137.2	936.9	766.7	604.1	466.3	362.9	270.3	191.7
0°	1763.9	1550.7	1329.9	1110.2	913.2	748.4	590.1	454.4	355.4	266.0	189.5
-2.5°	1728.4	1516.2	1296.5	1082.2	890.6	732.3	579.3	448.0	352.1	264.9	188.4
-5°	1678.8	1468.8	1252.4	1045.6	860.4	716.1	568.6	440.4	348.9	262.8	188.4
-7.5°	1623.9	1419.3	1206.1	1007.9	830.3	688.1	548.1	428.6	341.4	258.4	187.4
-10°	1538.8	1345.0	1147.9	964.9	798.0	663.3	530.9	417.8	334.9	254.1	183.1
-12.5°	1448.4	1263.2	1081.2	912.1	761.3	637.5	511.5	406.0	327.4	249.8	180.9
-15°	1352.5	1179.2	1011.2	857.2	721.5	606.3	491.0	393.1	319.8	244.4	177.7
-17.5°	1252.4	1090.9	939.0	801.2	681.6	574.0	469.5	381.2	311.2	239.1	174.5
-20°	1146.9	1000.4	865.8	744.1	639.7	541.7	446.9	367.2	301.5	232.6	170.1



REPORT NUMBER: P722312

CATALOG NUMBER: IFLD-S-SA3A-940-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1042.4	911.0	790.4	688.1	596.6	508.3	424.3	353.2	290.8	225.1	166.9
-25°	949.8	827.0	723.6	634.3	554.6	476.0	400.6	339.2	278.9	217.5	162.6
-27.5°	859.3	754.9	658.0	583.7	513.7	444.7	378.0	324.1	267.1	208.9	158.3
-30°	775.3	686.0	606.3	534.1	474.9	416.7	358.6	309.1	254.1	200.3	152.9
-32.5°	698.9	626.7	560.0	491.0	438.3	388.7	340.3	294.0	241.2	191.7	147.5
-35°	627.8	571.8	513.7	455.5	401.7	362.9	320.9	277.8	229.4	182.0	142.1
-37.5°	564.3	519.0	472.7	423.2	376.9	338.1	302.6	261.7	217.5	173.4	136.8
-40°	509.4	472.7	431.8	392.0	353.2	316.6	284.3	245.5	205.7	166.9	131.4
-42.5°	458.7	430.7	397.4	364.0	329.5	297.2	266.0	228.3	193.8	159.4	126.0
-45°	420.0	392.0	365.1	334.9	305.8	277.8	246.6	213.2	183.1	150.8	120.6
-47.5°	383.4	358.6	333.8	309.1	285.4	259.5	228.3	200.3	171.2	143.2	116.3
-50°	351.1	327.4	305.8	284.3	263.8	239.1	210.0	187.4	161.5	135.7	110.9
-52.5°	320.9	300.4	278.9	261.7	244.4	219.7	196.0	174.5	151.8	127.1	105.5
-55°	294.0	274.6	255.2	239.1	222.9	201.4	182.0	163.7	142.1	120.6	100.1
-57.5°	268.1	252.0	233.7	218.6	202.4	185.2	169.1	151.8	132.5	114.1	94.8
-60°	244.4	229.4	213.2	198.1	184.1	170.1	155.1	141.1	123.8	106.6	89.4
-62.5°	220.8	207.8	193.8	178.8	168.0	155.1	143.2	129.2	115.2	100.1	79.7
-65°	199.2	187.4	174.5	161.5	151.8	142.1	131.4	118.5	106.6	92.6	71.1
-67.5°	177.7	166.9	156.1	145.4	136.8	129.2	118.5	108.8	99.1	84.0	62.5
-70°	157.2	148.6	138.9	130.3	123.8	115.2	107.7	99.1	90.5	73.2	52.8
-72.5°	137.8	129.2	121.7	115.2	109.8	102.3	95.8	89.4	77.5	61.4	44.2
-75°	115.2	109.8	105.5	100.1	94.8	89.4	84.0	76.5	64.6	49.5	34.5
-77.5°	94.8	91.5	88.3	84.0	79.7	75.4	68.9	61.4	51.7	38.8	28.0
-80°	77.5	74.3	72.1	67.8	64.6	60.3	53.8	47.4	37.7	30.2	22.6
-82.5°	59.2	57.1	54.9	52.8	49.5	45.2	38.8	33.4	28.0	22.6	17.2
-85°	42.0	40.9	38.8	36.6	33.4	30.2	25.8	22.6	19.4	15.1	11.8
-87.5°	21.5	20.5	19.4	18.3	17.2	15.1	12.9	10.8	9.7	7.5	5.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	4.3	3.2	1.1	0.0
85°	8.6	5.4	2.2	0.0
82.5°	12.9	8.6	3.2	0.0
80°	17.2	10.8	5.4	0.0
77.5°	21.5	12.9	6.5	0.0
75°	25.8	16.2	7.5	0.0
72.5°	29.1	18.3	8.6	0.0
70°	34.5	21.5	9.7	0.0
67.5°	43.1	23.7	10.8	0.0
65°	50.6	25.8	11.8	0.0
62.5°	59.2	28.0	12.9	0.0
60°	66.8	30.2	14.0	0.0
57.5°	74.3	35.5	15.1	0.0
55°	80.8	39.8	16.2	0.0
52.5°	88.3	44.2	17.2	0.0
50°	94.8	48.5	18.3	0.0
47.5°	100.1	52.8	18.3	0.0
45°	104.5	56.0	19.4	0.0
42.5°	107.7	59.2	20.5	0.0
40°	110.9	62.5	21.5	0.0
37.5°	114.1	65.7	21.5	0.0
35°	117.4	68.9	22.6	0.0
32.5°	120.6	72.1	22.6	0.0
30°	122.8	74.3	23.7	0.0
27.5°	126.0	76.5	23.7	0.0
25°	127.1	78.6	24.8	0.0
22.5°	129.2	79.7	24.8	0.0
20°	131.4	81.8	24.8	0.0
17.5°	132.5	82.9	25.8	0.0
15°	132.5	84.0	26.9	0.0
12.5°	133.5	85.1	26.9	0.0
10°	133.5	87.2	25.8	0.0
7.5°	135.7	86.1	25.8	0.0
5°	134.6	86.1	25.8	0.0
2.5°	133.5	85.1	25.8	0.0
0°	132.5	85.1	25.8	0.0
-2.5°	132.5	85.1	25.8	0.0
-5°	132.5	85.1	25.8	0.0
-7.5°	131.4	86.1	25.8	0.0
-10°	129.2	86.1	25.8	0.0
-12.5°	128.1	82.9	25.8	0.0
-15°	127.1	81.8	25.8	0.0
-17.5°	124.9	80.8	24.8	0.0
-20°	122.8	79.7	24.8	0.0



REPORT NUMBER: P722312
 CATALOG NUMBER: IFLD-S-SA3A-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	120.6	77.5	24.8	0.0
-25°	118.5	75.4	23.7	0.0
-27.5°	116.3	73.2	23.7	0.0
-30°	113.1	71.1	22.6	0.0
-32.5°	109.8	68.9	22.6	0.0
-35°	107.7	65.7	21.5	0.0
-37.5°	104.5	62.5	21.5	0.0
-40°	101.2	59.2	20.5	0.0
-42.5°	98.0	56.0	19.4	0.0
-45°	93.7	52.8	19.4	0.0
-47.5°	90.5	49.5	18.3	0.0
-50°	85.1	45.2	17.2	0.0
-52.5°	78.6	40.9	16.2	0.0
-55°	72.1	37.7	15.1	0.0
-57.5°	65.7	33.4	15.1	0.0
-60°	59.2	29.1	14.0	0.0
-62.5°	52.8	26.9	12.9	0.0
-65°	46.3	24.8	11.8	0.0
-67.5°	38.8	21.5	10.8	0.0
-70°	32.3	19.4	9.7	0.0
-72.5°	28.0	17.2	8.6	0.0
-75°	23.7	15.1	7.5	0.0
-77.5°	20.5	12.9	6.5	0.0
-80°	16.2	9.7	4.3	0.0
-82.5°	11.8	7.5	3.2	0.0
-85°	7.5	5.4	2.2	0.0
-87.5°	4.3	2.2	1.1	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)