

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: P722310

Luminaire Tested: **IFLD-S-SA2D-940-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722310
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-940-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

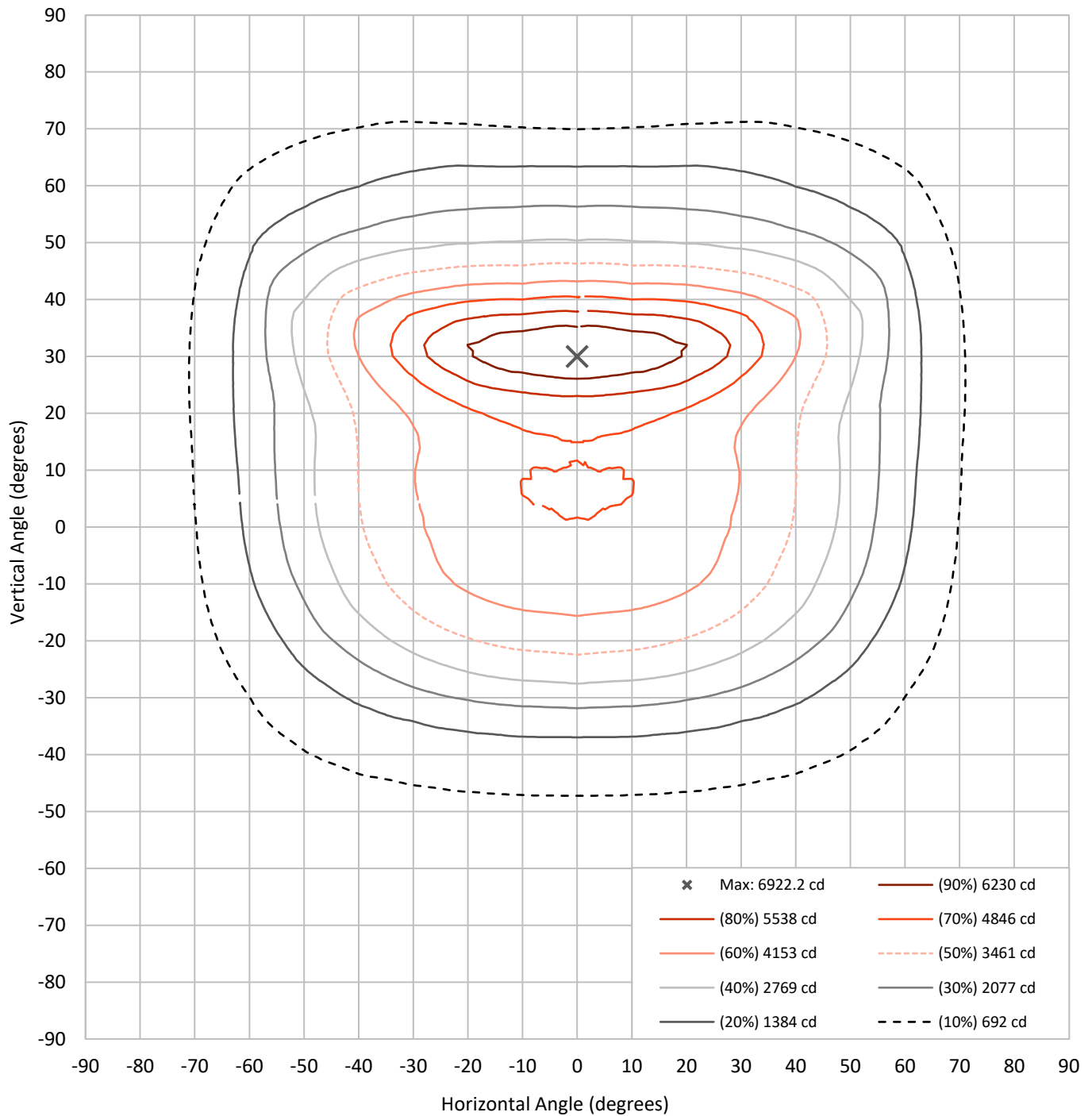
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	11554.8 lumens	Max Intensity:	6922.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	93.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6719.3 lumens	Field Lumens:	10828.4 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



REPORT NUMBER: P722310
CATALOG NUMBER: IFLD-S-SA2D-940-U-76

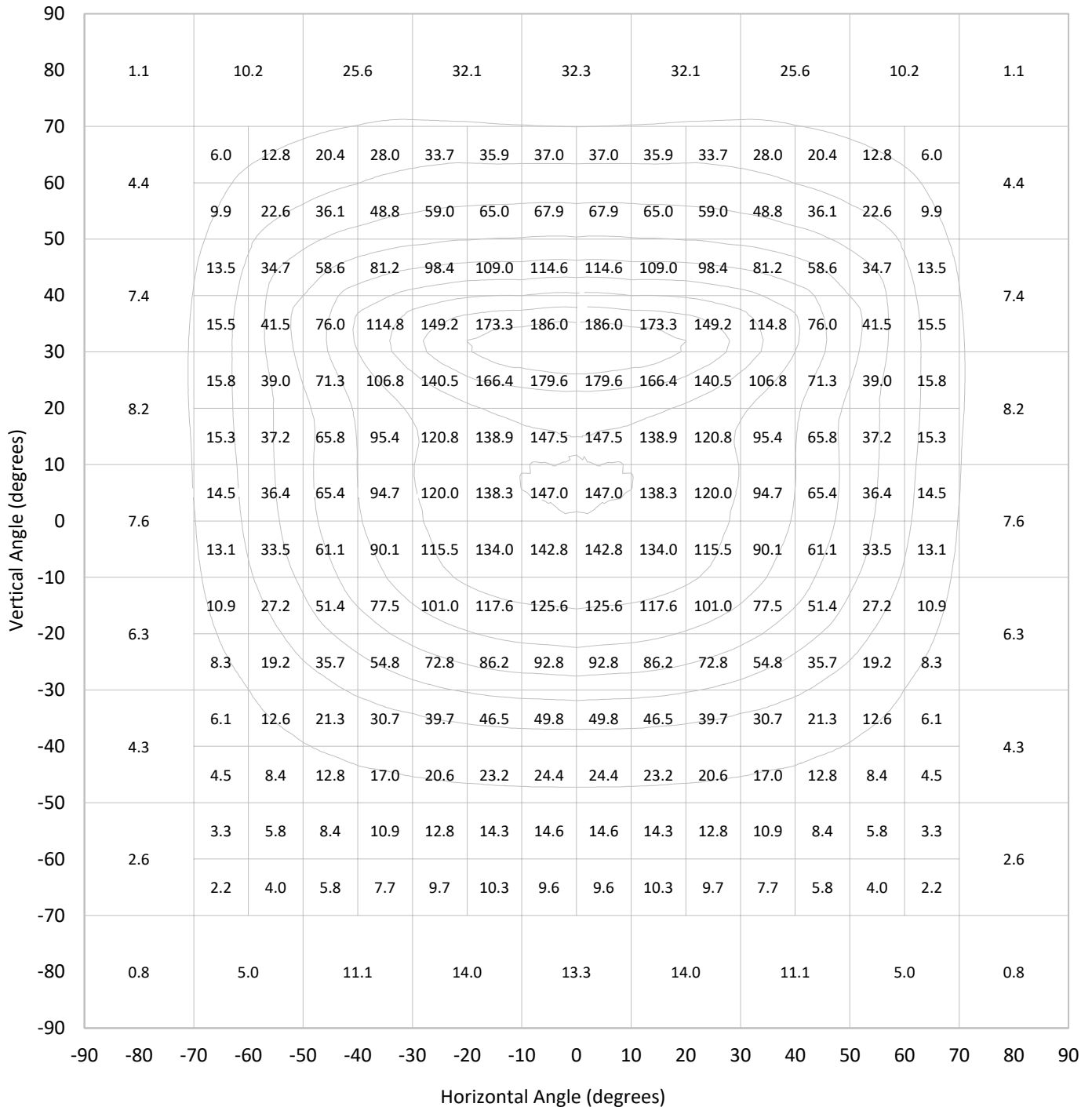
Iso-Candela Plot





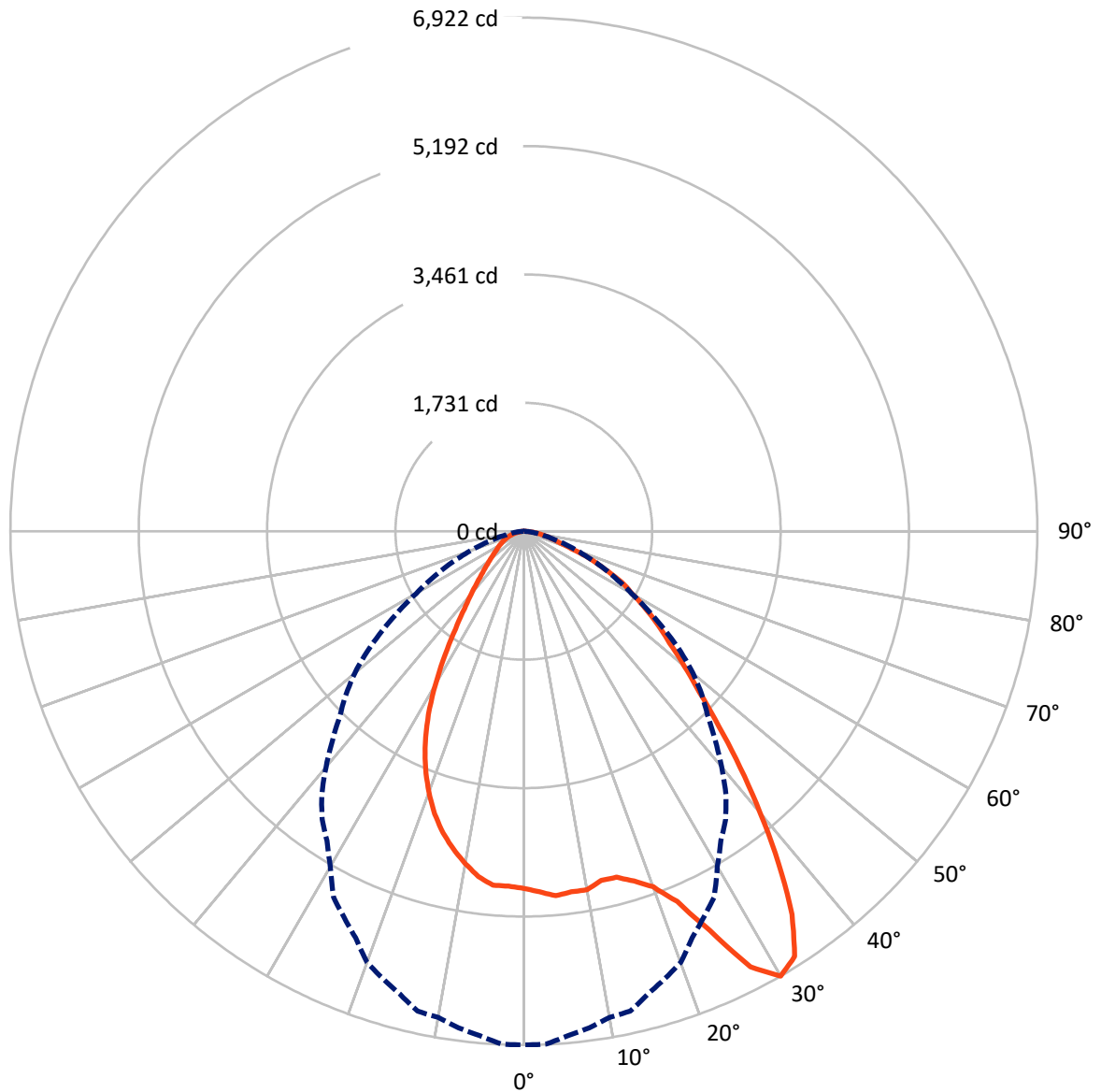
REPORT NUMBER: P722310
 CATALOG NUMBER: IFLD-S-SA2D-940-U-76

Lumen Table



REPORT NUMBER: P722310
CATALOG NUMBER: IFLD-S-SA2D-940-U-76

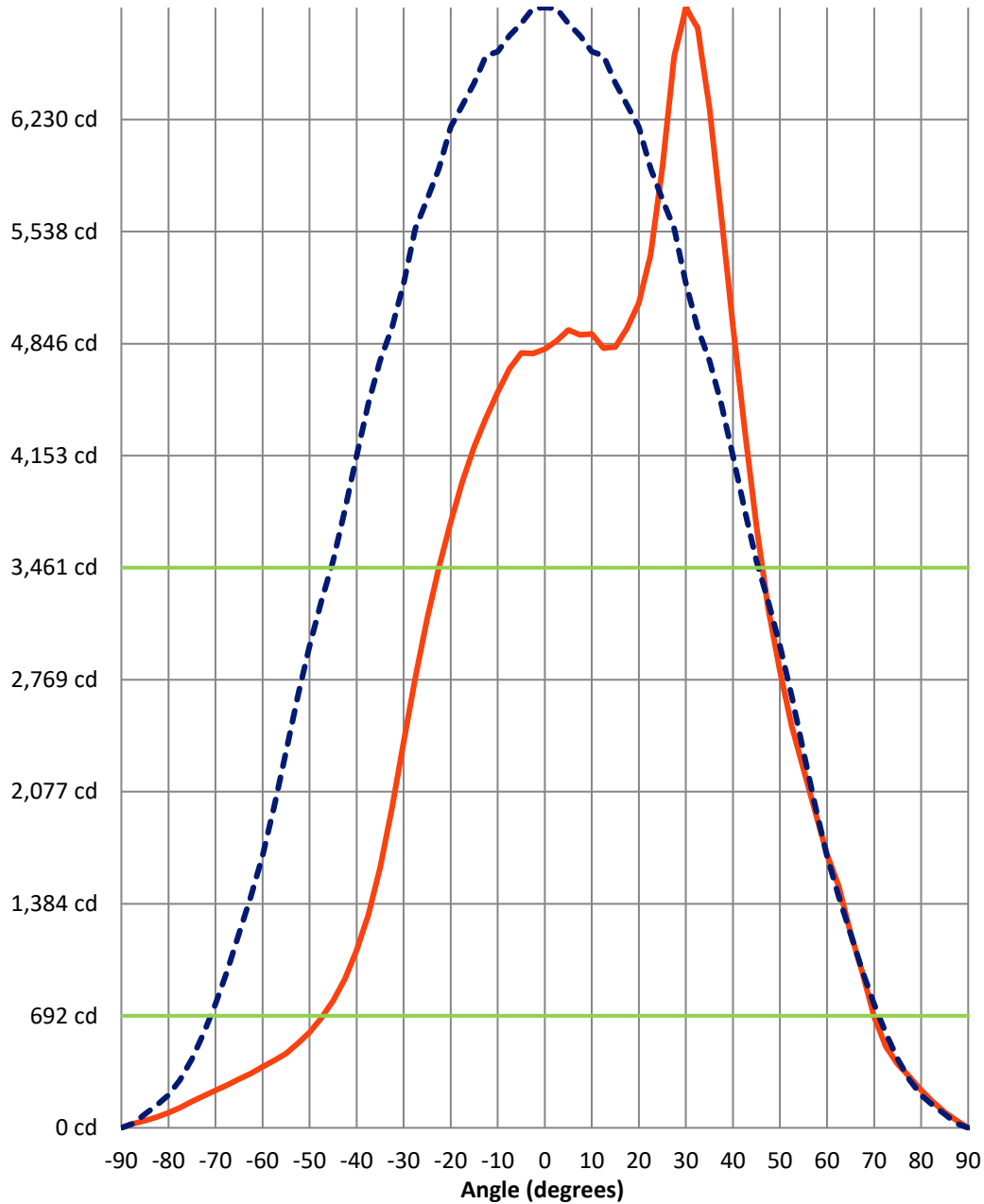
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722310
 CATALOG NUMBER: IFLD-S-SA2D-940-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 6719.3
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 10828.4
 Efficiency: 93.7%

Spill:
 Lumens: 726.5
 Efficiency: 6.3%

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



REPORT NUMBER: P722310
 CATALOG NUMBER: IFLD-S-SA2D-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°	46.5	47.7	49.0	49.0	47.7	47.7	47.7	46.5	47.7	47.7	47.7
85°	96.7	99.2	101.6	100.4	99.2	96.7	94.3	95.5	96.7	97.9	97.9
82.5°	160.4	164.0	166.5	165.3	162.8	160.4	157.9	159.1	161.6	162.8	162.8
80°	232.6	233.8	235.0	237.5	233.8	233.8	232.6	237.5	239.9	242.4	244.8
77.5°	315.8	317.0	317.0	318.3	319.5	320.7	320.7	329.3	335.4	339.1	342.7
75°	394.2	397.8	401.5	405.2	410.1	412.5	416.2	428.4	438.2	445.6	452.9
72.5°	501.9	506.8	512.9	521.5	530.0	536.1	544.7	559.4	570.4	577.8	586.3
70°	686.7	691.6	697.7	703.8	712.4	718.5	727.1	745.5	756.5	761.4	766.3
67.5°	960.9	973.1	984.2	971.9	965.8	957.2	959.7	976.8	987.8	995.2	994.0
65°	1204.5	1213.1	1213.1	1211.8	1206.9	1195.9	1202.0	1222.9	1235.1	1241.2	1222.9
62.5°	1490.9	1490.9	1484.8	1494.6	1495.8	1488.5	1484.8	1486.0	1487.3	1490.9	1460.3
60°	1689.2	1701.5	1705.1	1713.7	1716.2	1716.2	1722.3	1727.2	1727.2	1719.8	1684.3
57.5°	1951.2	1974.4	1979.3	1973.2	1961.0	1945.1	1942.6	1935.3	1920.6	1905.9	1888.8
55°	2215.6	2227.8	2226.6	2222.9	2210.7	2192.3	2194.8	2185.0	2161.7	2143.4	2120.1
52.5°	2481.2	2510.6	2515.5	2508.1	2491.0	2471.4	2472.6	2461.6	2438.4	2418.8	2387.0
50°	2820.3	2844.8	2842.3	2830.1	2805.6	2790.9	2792.1	2771.3	2744.4	2738.3	2696.6
47.5°	3208.3	3236.5	3231.6	3214.4	3181.4	3175.3	3181.4	3154.5	3138.5	3125.1	3076.1
45°	3717.5	3750.6	3732.2	3699.2	3646.5	3652.7	3661.2	3656.3	3622.0	3586.5	3524.1
42.5°	4314.9	4335.7	4313.7	4280.6	4214.5	4226.7	4221.8	4192.5	4171.7	4112.9	4033.3
40°	4953.8	4999.1	4964.9	4913.5	4844.9	4863.3	4849.8	4811.9	4762.9	4689.4	4589.1
37.5°	5643.0	5678.5	5639.3	5579.3	5518.1	5512.0	5485.1	5426.3	5356.6	5275.8	5115.4
35°	6302.8	6394.6	6322.4	6226.9	6152.2	6124.1	6098.4	5962.5	5882.9	5751.9	5532.8
32.5°	6793.6	6861.0	6771.6	6672.5	6581.9	6542.7	6452.1	6290.5	6247.7	5972.3	5771.5
30°	6922.2	6917.3	6824.2	6748.3	6650.4	6623.5	6457.0	6319.9	6182.8	5928.2	5737.3
27.5°	6616.1	6585.5	6496.2	6430.1	6333.4	6301.6	6137.5	6064.1	5852.3	5636.9	5475.3
25°	5934.3	5950.2	5882.9	5849.9	5786.2	5717.7	5652.8	5553.6	5421.4	5232.9	5084.8
22.5°	5397.0	5417.8	5389.6	5350.4	5301.5	5263.5	5214.6	5137.5	5010.2	4893.9	4754.3
20°	5098.3	5092.2	5067.7	5038.3	4991.8	4964.9	4911.0	4846.1	4748.2	4647.8	4497.3
17.5°	4941.6	4903.7	4880.4	4869.4	4844.9	4810.6	4747.0	4680.9	4605.0	4491.1	4381.0
15°	4825.3	4831.4	4813.1	4804.5	4784.9	4737.2	4672.3	4618.4	4515.6	4458.1	4357.7
12.5°	4818.0	4811.9	4813.1	4809.4	4784.9	4723.7	4690.7	4622.1	4556.0	4480.1	4365.1
10°	4904.9	4840.0	4844.9	4862.0	4822.9	4773.9	4738.4	4663.7	4601.3	4504.6	4390.8
7.5°	4900.0	4866.9	4876.7	4848.6	4860.8	4800.8	4751.9	4677.2	4598.9	4496.0	4393.2
5°	4929.4	4879.2	4870.6	4873.1	4842.5	4797.2	4731.1	4660.1	4586.6	4471.6	4366.3
2.5°	4862.0	4869.4	4830.2	4815.5	4811.9	4736.0	4674.8	4606.2	4530.3	4428.7	4334.5
0°	4811.9	4825.3	4784.9	4764.1	4762.9	4698.0	4658.8	4580.5	4526.6	4442.2	4328.3
-2.5°	4784.9	4800.8	4805.7	4767.8	4731.1	4680.9	4614.8	4530.3	4442.2	4344.3	4246.3
-5°	4787.4	4755.5	4742.1	4754.3	4722.5	4672.3	4598.9	4524.2	4437.3	4332.0	4209.6
-7.5°	4690.7	4658.8	4656.4	4650.3	4642.9	4595.2	4534.0	4453.2	4365.1	4267.1	4153.3
-10°	4546.2	4523.0	4516.8	4510.7	4491.1	4463.0	4405.5	4332.0	4252.4	4154.5	4033.3
-12.5°	4385.9	4374.9	4351.6	4335.7	4316.1	4283.1	4228.0	4160.6	4081.1	3994.2	3890.1
-15°	4208.4	4187.6	4164.3	4150.9	4122.7	4083.5	4028.4	3966.0	3879.1	3793.4	3695.5
-17.5°	3994.2	3968.5	3942.8	3939.1	3919.5	3859.5	3808.1	3732.2	3656.3	3574.3	3478.8
-20°	3742.0	3706.5	3689.4	3679.6	3652.7	3608.6	3553.5	3483.7	3410.3	3331.9	3221.8



REPORT NUMBER: P722310
 CATALOG NUMBER: IFLD-S-SA2D-940-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	3462.9	3432.3	3402.9	3384.6	3361.3	3327.0	3274.4	3213.2	3141.0	3052.9	2951.3
-25°	3145.9	3103.0	3084.7	3063.9	3051.6	3019.8	2968.4	2912.1	2837.4	2751.7	2655.0
-27.5°	2783.6	2749.3	2739.5	2710.1	2695.4	2662.4	2619.5	2566.9	2498.3	2417.6	2338.0
-30°	2383.3	2362.5	2346.6	2317.2	2306.2	2270.7	2242.5	2198.4	2136.0	2078.5	2014.8
-32.5°	1972.0	1951.2	1946.3	1932.8	1925.5	1902.2	1870.4	1838.6	1788.4	1745.5	1694.1
-35°	1607.2	1592.5	1593.8	1592.5	1585.2	1568.0	1528.9	1520.3	1483.6	1444.4	1411.4
-37.5°	1315.9	1317.1	1315.9	1314.7	1304.9	1297.5	1269.4	1258.4	1236.3	1198.4	1178.8
-40°	1096.8	1099.2	1098.0	1095.6	1084.5	1080.9	1062.5	1047.8	1039.2	1012.3	991.5
-42.5°	919.3	923.0	921.7	920.5	913.2	911.9	902.1	885.0	880.1	864.2	842.2
-45°	784.6	783.4	781.0	783.4	779.7	776.1	769.9	758.9	752.8	745.5	727.1
-47.5°	678.1	679.4	676.9	676.9	672.0	668.3	665.9	658.6	653.7	647.5	636.5
-50°	590.0	594.9	593.7	592.5	588.8	586.3	586.3	579.0	571.6	569.2	561.9
-52.5°	521.5	525.1	526.4	528.8	530.0	531.3	527.6	520.2	508.0	506.8	503.1
-55°	459.0	470.0	477.4	482.3	487.2	490.9	483.5	473.7	461.5	456.6	455.4
-57.5°	416.2	427.2	435.8	443.1	449.2	455.4	448.0	438.2	427.2	421.1	419.9
-60°	377.0	386.8	395.4	405.2	413.7	423.5	419.9	412.5	406.4	401.5	396.6
-62.5°	335.4	345.2	355.0	367.2	378.2	388.0	389.3	388.0	386.8	388.0	379.5
-65°	301.1	306.0	312.1	325.6	337.8	348.9	355.0	358.7	364.8	370.9	362.3
-67.5°	264.4	270.5	277.9	287.7	297.5	304.8	313.4	323.2	332.9	342.7	336.6
-70°	231.4	236.2	242.4	247.3	253.4	258.3	265.6	276.6	287.7	297.5	295.0
-72.5°	197.1	202.0	205.6	208.1	211.8	214.2	217.9	227.7	235.0	239.9	239.9
-75°	162.8	167.7	171.4	172.6	175.0	176.3	178.7	182.4	186.1	187.3	188.5
-77.5°	124.9	129.8	133.4	135.9	138.3	140.8	142.0	144.4	145.7	145.7	146.9
-80°	93.0	96.7	99.2	102.8	104.0	106.5	108.9	110.2	111.4	111.4	112.6
-82.5°	66.1	68.5	71.0	73.4	75.9	77.1	79.6	80.8	82.0	83.2	84.5
-85°	44.1	46.5	49.0	51.4	52.6	53.9	55.1	56.3	57.5	58.8	60.0
-87.5°	25.7	26.9	28.2	30.6	31.8	34.3	35.5	34.3	35.5	35.5	35.5
-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: P722310
 CATALOG NUMBER: IFLD-S-SA2D-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°	47.7	47.7	47.7	47.7	46.5	44.1	42.8	40.4	37.9	35.5	33.1
85°	99.2	100.4	100.4	100.4	97.9	96.7	93.0	89.4	84.5	77.1	71.0
82.5°	165.3	166.5	166.5	165.3	162.8	159.1	154.2	148.1	138.3	128.5	120.0
80°	248.5	249.7	249.7	248.5	242.4	236.2	230.1	222.8	210.5	197.1	182.4
77.5°	347.6	350.1	350.1	346.4	337.8	330.5	320.7	308.5	290.1	270.5	250.9
75°	462.7	468.8	470.0	466.4	455.4	441.9	426.0	405.2	377.0	352.5	329.3
72.5°	596.1	602.2	607.1	602.2	586.3	568.0	544.7	520.2	492.1	459.0	419.9
70°	771.2	777.3	781.0	765.0	736.9	706.3	678.1	650.0	616.9	576.5	533.7
67.5°	991.5	985.4	978.0	946.2	910.7	874.0	834.8	793.2	750.4	707.5	657.3
65°	1203.3	1186.1	1170.2	1132.3	1087.0	1039.2	994.0	947.4	896.0	842.2	794.4
62.5°	1426.1	1389.3	1350.2	1303.6	1257.1	1204.5	1159.2	1104.1	1046.6	980.5	919.3
60°	1645.2	1601.1	1561.9	1504.4	1443.2	1372.2	1323.2	1269.4	1202.0	1131.0	1058.8
57.5°	1856.9	1809.2	1766.3	1716.2	1650.1	1572.9	1519.1	1449.3	1378.3	1289.0	1215.5
55°	2082.2	2034.4	2000.1	1943.8	1871.6	1800.6	1741.9	1668.4	1569.3	1473.8	1383.2
52.5°	2340.4	2302.5	2265.8	2208.2	2121.3	2049.1	1984.2	1902.2	1798.2	1680.7	1571.7
50°	2629.3	2609.7	2570.6	2503.2	2404.1	2340.4	2254.8	2145.8	2034.4	1910.8	1774.9
47.5°	3012.5	2980.6	2925.5	2852.1	2768.9	2673.4	2558.3	2431.0	2273.1	2136.0	1991.6
45°	3470.3	3411.5	3340.5	3241.4	3138.5	3030.8	2904.7	2743.2	2531.4	2352.7	2200.9
42.5°	3966.0	3886.4	3789.7	3660.0	3526.6	3394.4	3258.5	3038.2	2773.8	2568.1	2396.7
40°	4483.8	4382.2	4261.0	4072.5	3924.4	3754.2	3598.8	3269.5	2988.0	2765.2	2582.8
37.5°	4990.6	4862.0	4658.8	4429.9	4257.3	4117.8	3776.3	3423.7	3171.6	2926.8	2741.9
35°	5378.6	5269.7	4911.0	4673.5	4525.4	4305.1	3877.9	3516.8	3249.9	3046.7	2759.1
32.5°	5608.7	5327.2	5012.6	4772.7	4650.3	4289.2	3885.2	3543.7	3286.7	3059.0	2715.0
30°	5557.3	5217.0	4941.6	4740.9	4475.2	4150.9	3816.7	3502.1	3252.4	2977.0	2666.0
27.5°	5247.6	4984.4	4738.4	4529.1	4268.4	3977.0	3668.6	3391.9	3159.3	2892.5	2598.7
25°	4897.5	4658.8	4476.5	4294.1	4046.8	3768.9	3497.2	3297.7	3063.9	2800.7	2510.6
22.5°	4575.6	4404.2	4261.0	4070.1	3828.9	3586.5	3417.6	3210.8	2970.8	2704.0	2420.0
20°	4370.0	4253.7	4089.6	3879.1	3689.4	3537.6	3350.3	3131.2	2883.9	2604.8	2342.9
17.5°	4270.8	4136.2	3953.8	3816.7	3671.0	3504.5	3295.2	3062.6	2799.5	2559.5	2351.5
15°	4219.4	4077.4	3957.4	3822.8	3658.8	3483.7	3251.2	3010.0	2799.5	2577.9	2357.6
12.5°	4230.4	4108.0	3977.0	3830.1	3653.9	3466.6	3256.0	3032.0	2814.2	2591.4	2358.8
10°	4264.7	4136.2	3996.6	3833.8	3656.3	3471.5	3269.5	3045.5	2821.5	2597.5	2356.4
7.5°	4276.9	4137.4	3988.0	3824.0	3650.2	3469.0	3272.0	3049.2	2822.7	2596.3	2349.0
5°	4239.0	4112.9	3968.5	3803.2	3633.1	3456.8	3262.2	3044.3	2812.9	2584.0	2330.6
2.5°	4187.6	4086.0	3947.7	3788.5	3615.9	3439.7	3246.3	3022.2	2790.9	2562.0	2307.4
0°	4179.0	4052.9	3913.4	3771.4	3587.8	3401.7	3209.5	2980.6	2750.5	2520.4	2267.0
-2.5°	4122.7	3989.3	3849.7	3695.5	3533.9	3346.6	3144.7	2920.7	2693.0	2466.5	2222.9
-5°	4079.9	3931.7	3783.6	3617.2	3454.3	3267.1	3057.7	2839.9	2617.1	2396.7	2161.7
-7.5°	4022.3	3870.5	3715.1	3541.3	3365.0	3174.0	2967.2	2749.3	2530.2	2311.1	2085.8
-10°	3906.0	3772.6	3626.9	3447.0	3260.9	3070.0	2864.3	2650.1	2431.0	2209.5	1983.0
-12.5°	3765.3	3624.5	3465.4	3300.1	3133.6	2956.1	2750.5	2540.0	2319.6	2096.8	1871.6
-15°	3582.9	3444.6	3281.8	3120.2	2959.8	2789.7	2608.5	2418.8	2194.8	1975.7	1750.4
-17.5°	3355.2	3225.4	3079.8	2925.5	2766.4	2595.0	2418.8	2258.4	2049.1	1843.5	1620.7
-20°	3110.4	2989.2	2858.2	2712.6	2553.4	2385.7	2219.3	2051.6	1870.4	1689.2	1482.4



REPORT NUMBER: P722310
 CATALOG NUMBER: IFLD-S-SA2D-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°	2855.8	2733.4	2601.2	2465.3	2318.4	2162.9	2008.7	1848.4	1689.2	1525.2	1350.2
-25°	2562.0	2454.3	2333.1	2200.9	2069.9	1934.0	1787.2	1641.5	1505.6	1363.6	1220.4
-27.5°	2254.8	2155.6	2045.4	1930.4	1817.8	1703.9	1576.6	1442.0	1329.3	1211.8	1093.1
-30°	1931.6	1852.0	1762.7	1662.3	1575.4	1483.6	1377.1	1265.7	1162.9	1073.5	978.0
-32.5°	1625.6	1558.3	1494.6	1428.5	1342.8	1271.8	1198.4	1116.4	1025.8	941.3	872.8
-35°	1362.4	1290.2	1263.2	1214.3	1153.1	1090.7	1036.8	978.0	909.5	834.8	778.5
-37.5°	1140.8	1098.0	1060.1	1033.1	992.7	942.5	899.7	856.9	804.2	747.9	691.6
-40°	968.2	938.9	897.2	883.8	858.1	823.8	779.7	746.7	711.2	668.3	620.6
-42.5°	829.9	807.9	781.0	757.7	746.7	722.2	687.9	656.1	628.0	598.6	561.9
-45°	716.1	701.4	684.3	663.5	654.9	635.3	610.8	575.3	559.4	534.9	508.0
-47.5°	624.3	616.9	604.7	591.2	579.0	564.3	542.3	520.2	498.2	482.3	461.5
-50°	552.1	547.2	539.8	528.8	512.9	503.1	488.4	468.8	448.0	434.5	419.9
-52.5°	494.5	489.6	484.7	476.2	463.9	454.1	441.9	426.0	408.8	395.4	383.1
-55°	450.5	443.1	439.4	432.1	422.3	411.3	400.3	389.3	374.6	362.3	350.1
-57.5°	416.2	406.4	401.5	395.4	385.6	374.6	366.0	355.0	345.2	331.7	320.7
-60°	389.3	378.2	368.4	362.3	353.8	342.7	334.2	325.6	315.8	304.8	291.3
-62.5°	367.2	353.8	340.3	332.9	324.4	314.6	306.0	297.5	287.7	276.6	264.4
-65°	346.4	330.5	313.4	306.0	297.5	287.7	276.6	270.5	262.0	252.2	239.9
-67.5°	320.7	303.6	288.9	280.3	271.7	263.2	253.4	247.3	238.7	226.5	214.2
-70°	282.8	271.7	262.0	254.6	247.3	239.9	230.1	220.3	210.5	199.5	188.5
-72.5°	235.0	231.4	230.1	226.5	217.9	209.3	199.5	189.7	181.2	172.6	164.0
-75°	189.7	192.2	194.6	193.4	184.8	176.3	167.7	159.1	153.0	145.7	138.3
-77.5°	150.6	153.0	155.5	155.5	149.3	144.4	138.3	132.2	127.3	121.2	113.8
-80°	116.3	120.0	123.6	126.1	121.2	117.5	112.6	107.7	102.8	97.9	93.0
-82.5°	88.1	91.8	95.5	97.9	94.3	91.8	88.1	84.5	80.8	75.9	72.2
-85°	63.7	66.1	68.5	69.8	67.3	64.9	62.4	60.0	57.5	53.9	51.4
-87.5°	36.7	37.9	39.2	40.4	37.9	35.5	34.3	31.8	30.6	28.2	26.9
-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: P722310
 CATALOG NUMBER: IFLD-S-SA2D-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°	30.6	28.2	25.7	24.5	22.0	18.4	15.9	13.5	11.0	8.6	7.3
85°	64.9	58.8	51.4	47.7	42.8	37.9	33.1	28.2	23.3	18.4	13.5
82.5°	111.4	104.0	96.7	88.1	77.1	63.7	50.2	41.6	34.3	26.9	20.8
80°	167.7	154.2	142.0	131.0	118.7	101.6	83.2	66.1	46.5	35.5	26.9
77.5°	232.6	216.7	199.5	181.2	161.6	138.3	117.5	95.5	72.2	49.0	34.3
75°	306.0	285.2	262.0	236.2	210.5	179.9	150.6	124.9	97.9	68.5	41.6
72.5°	388.0	362.3	334.2	299.9	259.5	224.0	188.5	154.2	122.4	86.9	56.3
70°	493.3	452.9	411.3	374.6	323.2	266.8	225.2	186.1	145.7	106.5	71.0
67.5°	605.9	557.0	506.8	452.9	388.0	321.9	262.0	217.9	170.1	124.9	84.5
65°	728.3	667.1	603.5	543.5	454.1	375.8	308.5	248.5	193.4	142.0	97.9
62.5°	854.4	782.2	708.7	630.4	527.6	430.9	352.5	282.8	215.4	157.9	110.2
60°	989.1	904.6	815.2	717.3	597.4	490.9	394.2	318.3	238.7	173.8	123.6
57.5°	1131.0	1039.2	934.0	801.8	669.6	548.4	441.9	350.1	259.5	188.5	133.4
55°	1285.3	1180.0	1064.9	889.9	740.6	605.9	489.6	381.9	281.5	200.7	143.2
52.5°	1451.8	1329.3	1183.7	982.9	815.2	664.7	533.7	410.1	302.3	214.2	151.8
50°	1637.8	1483.6	1287.7	1068.6	880.1	719.8	577.8	440.7	319.5	228.9	159.1
47.5°	1831.2	1664.7	1380.8	1148.2	946.2	773.6	623.1	467.6	336.6	241.1	166.5
45°	2033.2	1790.8	1477.5	1219.2	1003.7	822.6	657.3	492.1	357.4	252.2	172.6
42.5°	2232.7	1886.3	1561.9	1290.2	1057.6	866.6	685.5	515.3	374.6	263.2	178.7
40°	2327.0	1958.5	1629.2	1339.1	1102.9	905.8	710.0	536.1	389.3	270.5	184.8
37.5°	2366.1	2002.6	1673.3	1385.7	1138.4	926.6	730.8	554.5	401.5	277.9	189.7
35°	2374.7	2018.5	1695.3	1417.5	1167.8	946.2	746.7	568.0	411.3	285.2	194.6
32.5°	2358.8	2013.6	1701.5	1428.5	1186.1	960.9	757.7	577.8	418.6	292.6	199.5
30°	2323.3	1987.9	1679.4	1427.3	1199.6	969.5	765.0	585.1	426.0	297.5	202.0
27.5°	2265.8	1942.6	1651.3	1428.5	1206.9	973.1	768.7	588.8	430.9	301.1	206.9
25°	2194.8	1881.4	1652.5	1426.1	1208.2	974.4	768.7	588.8	432.1	302.3	210.5
22.5°	2112.8	1881.4	1652.5	1422.4	1200.8	971.9	765.0	586.3	432.1	304.8	214.2
20°	2117.7	1882.6	1648.8	1415.0	1189.8	964.6	756.5	580.2	428.4	308.5	216.7
17.5°	2121.3	1880.2	1641.5	1405.2	1175.1	952.3	745.5	571.6	428.4	312.1	217.9
15°	2121.3	1872.8	1630.5	1390.6	1156.8	935.2	729.6	564.3	429.7	313.4	220.3
12.5°	2117.7	1859.4	1613.3	1371.0	1134.7	914.4	719.8	561.9	429.7	314.6	220.3
10°	2110.3	1841.0	1591.3	1346.5	1113.9	907.0	714.9	557.0	427.2	314.6	220.3
7.5°	2096.8	1819.0	1572.9	1331.8	1101.7	898.5	707.5	549.6	423.5	312.1	222.8
5°	2076.0	1806.7	1558.3	1314.7	1084.5	892.4	702.6	543.5	421.1	312.1	220.3
2.5°	2049.1	1792.1	1541.1	1292.6	1064.9	871.5	686.7	530.0	412.5	307.2	217.9
0°	2005.0	1762.7	1511.7	1262.0	1038.0	850.7	670.8	516.6	403.9	302.3	215.4
-2.5°	1964.6	1723.5	1473.8	1230.2	1012.3	832.4	658.6	509.2	400.3	301.1	214.2
-5°	1908.3	1669.6	1423.6	1188.6	978.0	814.0	646.3	500.6	396.6	298.7	214.2
-7.5°	1845.9	1613.3	1371.0	1145.7	943.8	782.2	623.1	487.2	388.0	293.8	213.0
-10°	1749.2	1528.9	1304.9	1096.8	907.0	754.0	603.5	474.9	380.7	288.9	208.1
-12.5°	1646.4	1435.8	1229.0	1036.8	865.4	724.7	581.4	461.5	372.1	284.0	205.6
-15°	1537.4	1340.4	1149.4	974.4	820.1	689.2	558.2	446.8	363.6	277.9	202.0
-17.5°	1423.6	1240.0	1067.4	910.7	774.8	652.4	533.7	433.3	353.8	271.7	198.3
-20°	1303.6	1137.2	984.2	845.8	727.1	615.7	508.0	417.4	342.7	264.4	193.4



REPORT NUMBER: P722310
 CATALOG NUMBER: IFLD-S-SA2D-940-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1184.9	1035.6	898.5	782.2	678.1	577.8	482.3	401.5	330.5	255.8	189.7
-25°	1079.6	940.1	822.6	721.0	630.4	541.0	455.4	385.6	317.0	247.3	184.8
-27.5°	976.8	858.1	747.9	663.5	583.9	505.5	429.7	368.4	303.6	237.5	179.9
-30°	881.3	779.7	689.2	607.1	539.8	473.7	407.6	351.3	288.9	227.7	173.8
-32.5°	794.4	712.4	636.5	558.2	498.2	441.9	386.8	334.2	274.2	217.9	167.7
-35°	713.6	650.0	583.9	517.8	456.6	412.5	364.8	315.8	260.7	206.9	161.6
-37.5°	641.4	590.0	537.4	481.1	428.4	384.4	344.0	297.5	247.3	197.1	155.5
-40°	579.0	537.4	490.9	445.6	401.5	359.9	323.2	279.1	233.8	189.7	149.3
-42.5°	521.5	489.6	451.7	413.7	374.6	337.8	302.3	259.5	220.3	181.2	143.2
-45°	477.4	445.6	415.0	380.7	347.6	315.8	280.3	242.4	208.1	171.4	137.1
-47.5°	435.8	407.6	379.5	351.3	324.4	295.0	259.5	227.7	194.6	162.8	132.2
-50°	399.0	372.1	347.6	323.2	299.9	271.7	238.7	213.0	183.6	154.2	126.1
-52.5°	364.8	341.5	317.0	297.5	277.9	249.7	222.8	198.3	172.6	144.4	120.0
-55°	334.2	312.1	290.1	271.7	253.4	228.9	206.9	186.1	161.6	137.1	113.8
-57.5°	304.8	286.4	265.6	248.5	230.1	210.5	192.2	172.6	150.6	129.8	107.7
-60°	277.9	260.7	242.4	225.2	209.3	193.4	176.3	160.4	140.8	121.2	101.6
-62.5°	250.9	236.2	220.3	203.2	191.0	176.3	162.8	146.9	131.0	113.8	90.6
-65°	226.5	213.0	198.3	183.6	172.6	161.6	149.3	134.6	121.2	105.3	80.8
-67.5°	202.0	189.7	177.5	165.3	155.5	146.9	134.6	123.6	112.6	95.5	71.0
-70°	178.7	168.9	157.9	148.1	140.8	131.0	122.4	112.6	102.8	83.2	60.0
-72.5°	156.7	146.9	138.3	131.0	124.9	116.3	108.9	101.6	88.1	69.8	50.2
-75°	131.0	124.9	120.0	113.8	107.7	101.6	95.5	86.9	73.4	56.3	39.2
-77.5°	107.7	104.0	100.4	95.5	90.6	85.7	78.3	69.8	58.8	44.1	31.8
-80°	88.1	84.5	82.0	77.1	73.4	68.5	61.2	53.9	42.8	34.3	25.7
-82.5°	67.3	64.9	62.4	60.0	56.3	51.4	44.1	37.9	31.8	25.7	19.6
-85°	47.7	46.5	44.1	41.6	37.9	34.3	29.4	25.7	22.0	17.1	13.5
-87.5°	24.5	23.3	22.0	20.8	19.6	17.1	14.7	12.2	11.0	8.6	6.1
-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: P722310

CATALOG NUMBER: IFLD-S-SA2D-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	4.9	3.7	1.2	0.0
85°	9.8	6.1	2.4	0.0
82.5°	14.7	9.8	3.7	0.0
80°	19.6	12.2	6.1	0.0
77.5°	24.5	14.7	7.3	0.0
75°	29.4	18.4	8.6	0.0
72.5°	33.1	20.8	9.8	0.0
70°	39.2	24.5	11.0	0.0
67.5°	49.0	26.9	12.2	0.0
65°	57.5	29.4	13.5	0.0
62.5°	67.3	31.8	14.7	0.0
60°	75.9	34.3	15.9	0.0
57.5°	84.5	40.4	17.1	0.0
55°	91.8	45.3	18.4	0.0
52.5°	100.4	50.2	19.6	0.0
50°	107.7	55.1	20.8	0.0
47.5°	113.8	60.0	20.8	0.0
45°	118.7	63.7	22.0	0.0
42.5°	122.4	67.3	23.3	0.0
40°	126.1	71.0	24.5	0.0
37.5°	129.8	74.7	24.5	0.0
35°	133.4	78.3	25.7	0.0
32.5°	137.1	82.0	25.7	0.0
30°	139.5	84.5	26.9	0.0
27.5°	143.2	86.9	26.9	0.0
25°	144.4	89.4	28.2	0.0
22.5°	146.9	90.6	28.2	0.0
20°	149.3	93.0	28.2	0.0
17.5°	150.6	94.3	29.4	0.0
15°	150.6	95.5	30.6	0.0
12.5°	151.8	96.7	30.6	0.0
10°	151.8	99.2	29.4	0.0
7.5°	154.2	97.9	29.4	0.0
5°	153.0	97.9	29.4	0.0
2.5°	151.8	96.7	29.4	0.0
0°	150.6	96.7	29.4	0.0
-2.5°	150.6	96.7	29.4	0.0
-5°	150.6	96.7	29.4	0.0
-7.5°	149.3	97.9	29.4	0.0
-10°	146.9	97.9	29.4	0.0
-12.5°	145.7	94.3	29.4	0.0
-15°	144.4	93.0	29.4	0.0
-17.5°	142.0	91.8	28.2	0.0
-20°	139.5	90.6	28.2	0.0



REPORT NUMBER: P722310

CATALOG NUMBER: IFLD-S-SA2D-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	137.1	88.1	28.2	0.0
-25°	134.6	85.7	26.9	0.0
-27.5°	132.2	83.2	26.9	0.0
-30°	128.5	80.8	25.7	0.0
-32.5°	124.9	78.3	25.7	0.0
-35°	122.4	74.7	24.5	0.0
-37.5°	118.7	71.0	24.5	0.0
-40°	115.1	67.3	23.3	0.0
-42.5°	111.4	63.7	22.0	0.0
-45°	106.5	60.0	22.0	0.0
-47.5°	102.8	56.3	20.8	0.0
-50°	96.7	51.4	19.6	0.0
-52.5°	89.4	46.5	18.4	0.0
-55°	82.0	42.8	17.1	0.0
-57.5°	74.7	37.9	17.1	0.0
-60°	67.3	33.1	15.9	0.0
-62.5°	60.0	30.6	14.7	0.0
-65°	52.6	28.2	13.5	0.0
-67.5°	44.1	24.5	12.2	0.0
-70°	36.7	22.0	11.0	0.0
-72.5°	31.8	19.6	9.8	0.0
-75°	26.9	17.1	8.6	0.0
-77.5°	23.3	14.7	7.3	0.0
-80°	18.4	11.0	4.9	0.0
-82.5°	13.5	8.6	3.7	0.0
-85°	8.6	6.1	2.4	0.0
-87.5°	4.9	2.4	1.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)