

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: P722612

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

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722612
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-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema
7x6 Flood distribution lens with Visor
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

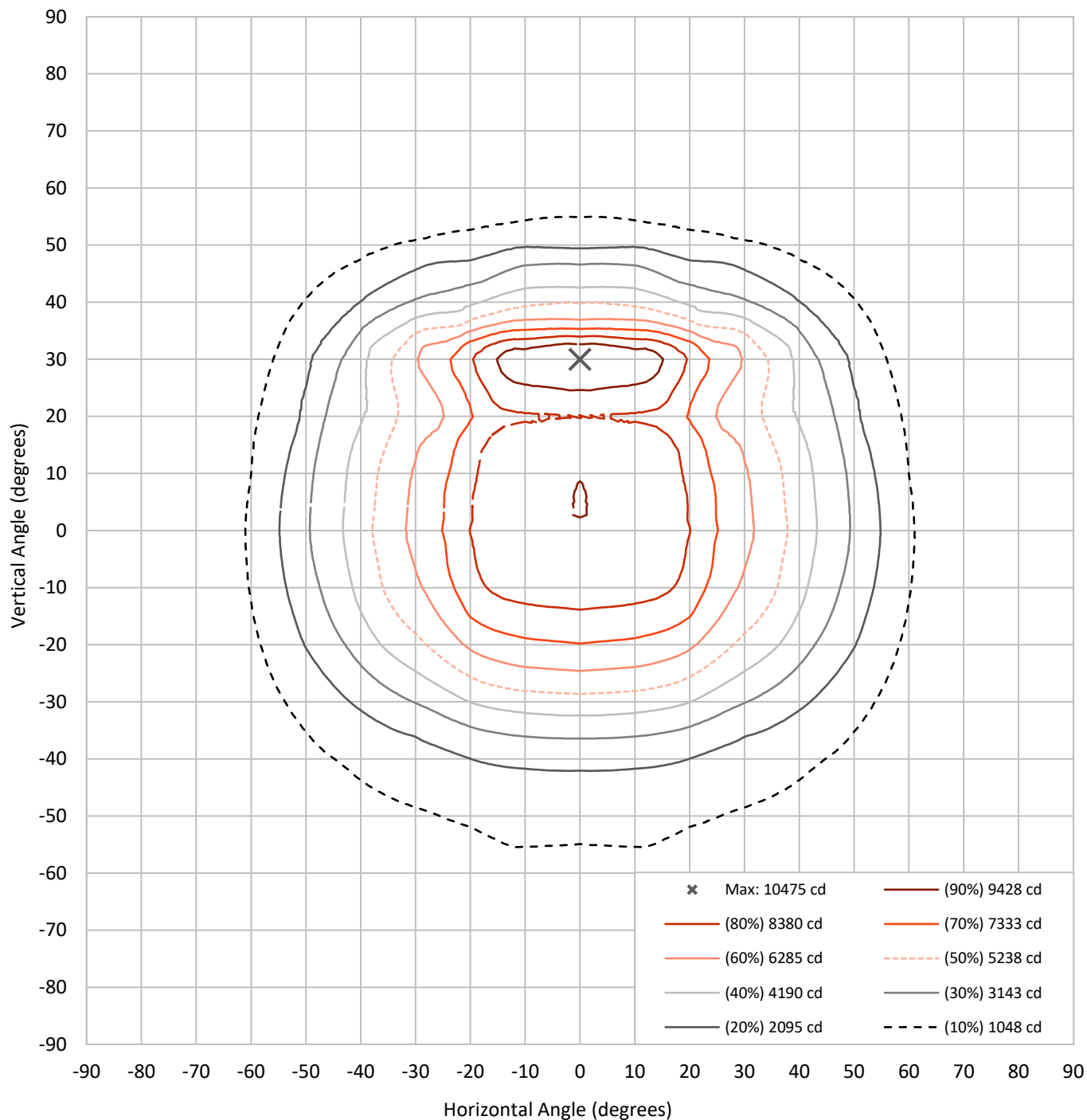
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	15004.8 lumens	Max Intensity:	10475 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	116.7 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	68.6°H x 68.4°V	Field Angle (10%):	111.9°H x 109.7°V
Beam Lumens:	9572.4 lumens	Field Lumens:	14146.1 lumens
Beam Efficiency:	63.8%	Field Efficiency:	94.3%
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		



REPORT NUMBER: P722612

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

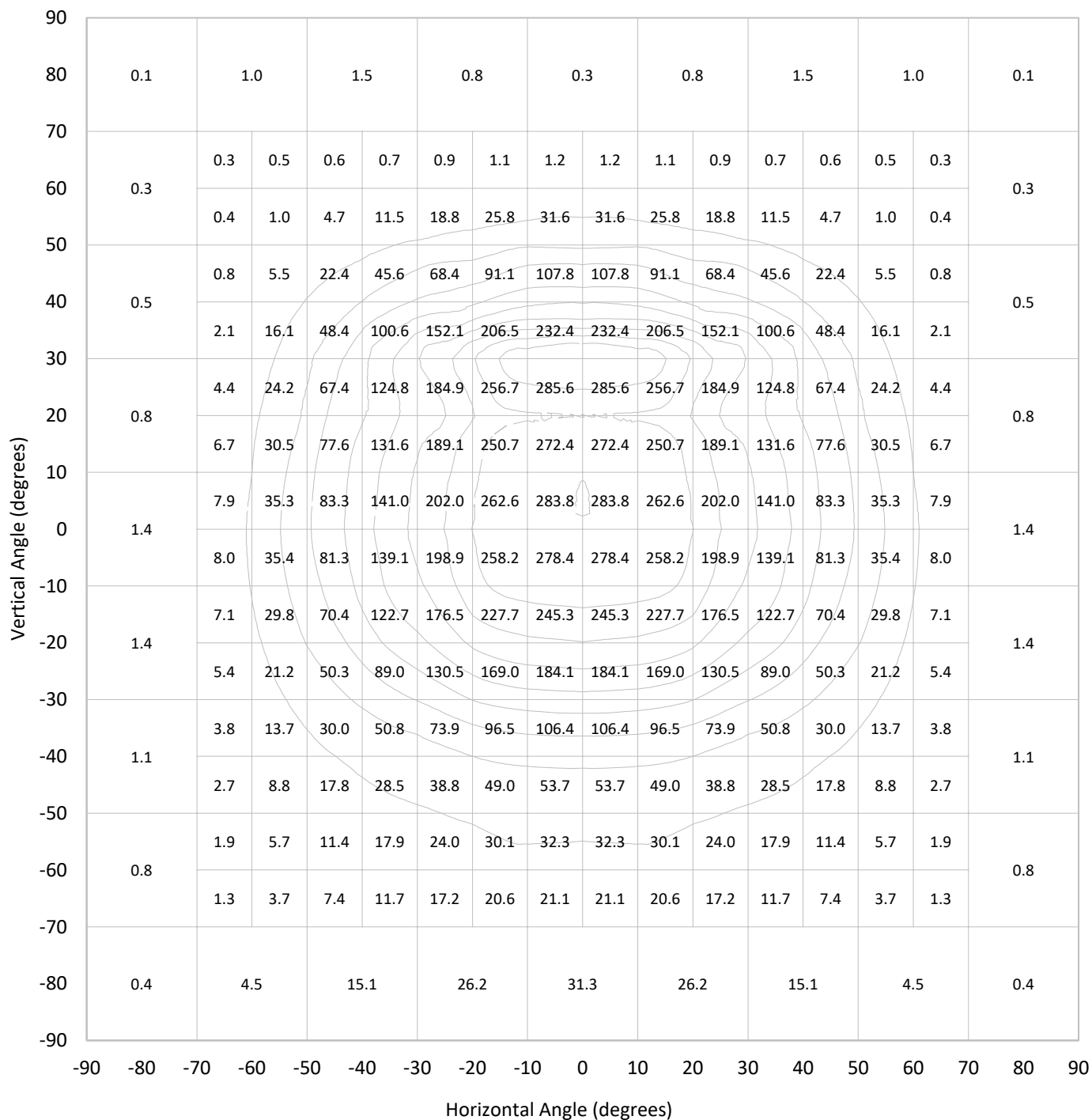
Iso-Candela Plot



REPORT NUMBER: P722612

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

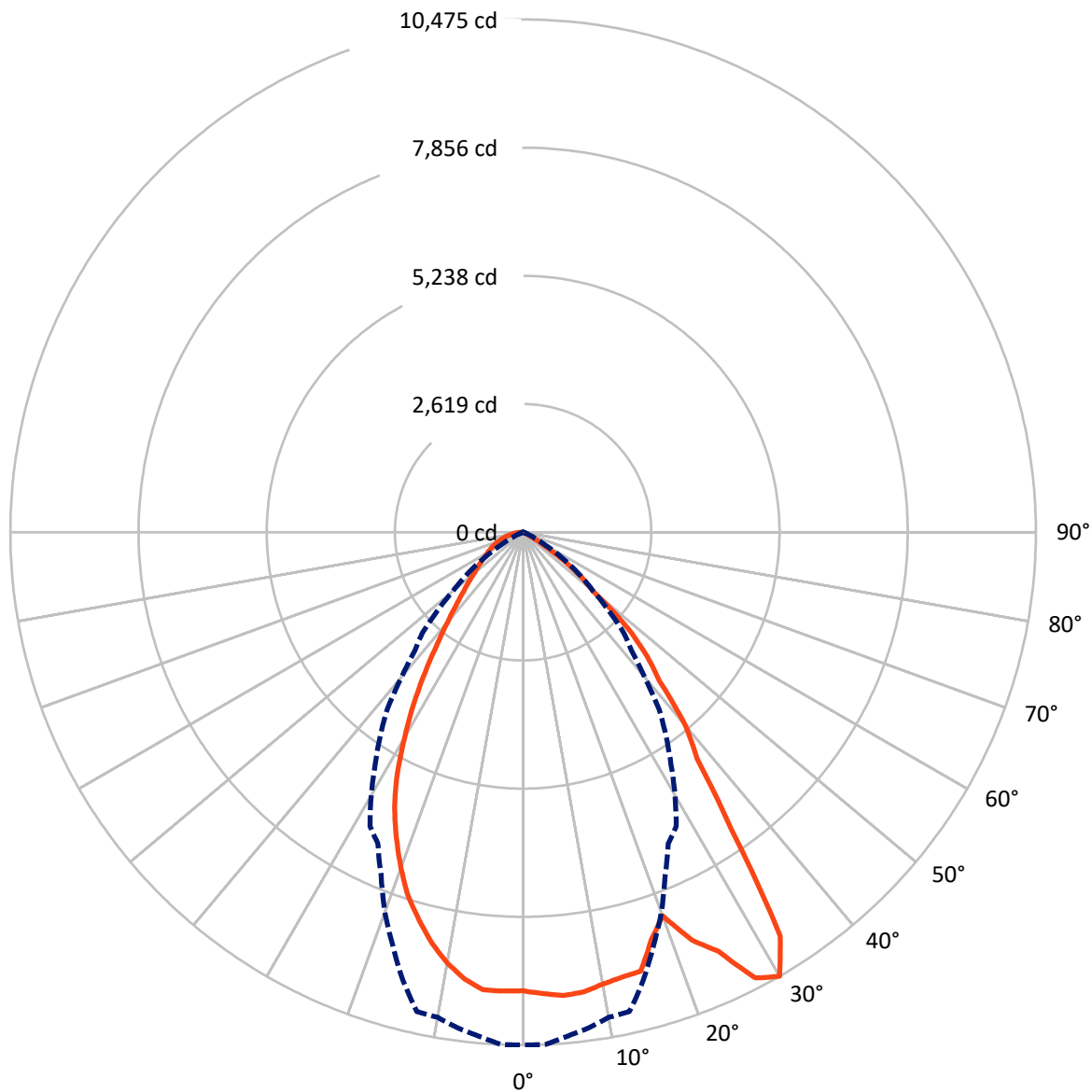
Lumen Table



REPORT NUMBER: P722612

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

Luminous Intensity Polar Plot

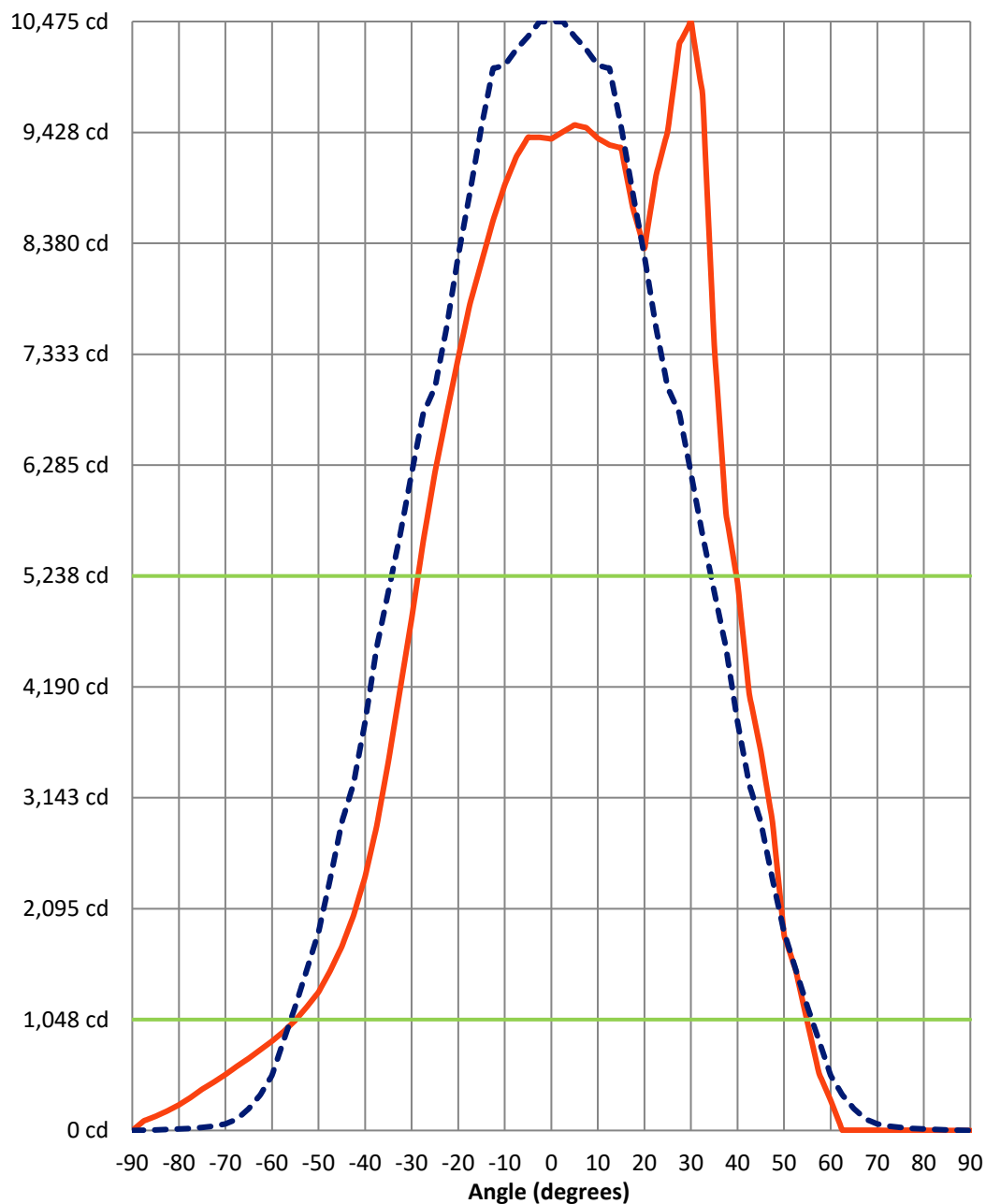


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

REPORT NUMBER: P722612

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

Luminous Intensity Plot



Beam:

H Angle: 68.6°

V Angle: 68.4°

Lumens: 9572.4

Efficiency: 63.8%

Field:

H Angle: 111.9°

V Angle: 109.7°

Lumens: 14146.1

Efficiency: 94.3%

Spill:

Lumens: 858.6

Efficiency: 5.7%

— Vertical Distribution through 0-Deg

- - - Horizontal Distribution through 30-Deg

REPORT NUMBER: P722612

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

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°	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	0.0	2.4	2.4	2.4	4.8	4.8	4.8	4.8	4.8	4.8	7.2
82.5°	0.0	2.4	2.4	2.4	4.8	4.8	4.8	4.8	7.2	7.2	9.6
80°	2.4	2.4	2.4	2.4	4.8	4.8	4.8	7.2	7.2	9.6	9.6
77.5°	2.4	2.4	2.4	4.8	4.8	4.8	7.2	7.2	9.6	9.6	11.9
75°	2.4	2.4	2.4	4.8	4.8	7.2	7.2	7.2	9.6	9.6	11.9
72.5°	0.0	2.4	2.4	4.8	4.8	7.2	7.2	7.2	9.6	9.6	9.6
70°	2.4	2.4	2.4	4.8	4.8	7.2	7.2	7.2	9.6	9.6	9.6
67.5°	2.4	2.4	2.4	4.8	4.8	7.2	7.2	9.6	9.6	9.6	11.9
65°	2.4	2.4	2.4	4.8	7.2	7.2	9.6	11.9	11.9	14.3	16.7
62.5°	2.4	4.8	4.8	7.2	9.6	11.9	26.3	40.6	40.6	28.7	23.9
60°	284.3	308.2	305.8	277.1	241.3	203.1	195.9	188.7	174.4	152.9	160.1
57.5°	539.9	568.5	580.5	573.3	554.2	520.8	501.7	480.2	451.5	418.0	379.8
55°	1022.4	1034.4	1008.1	957.9	903.0	848.0	828.9	800.3	757.3	714.3	656.9
52.5°	1512.1	1552.7	1540.8	1490.6	1416.6	1318.6	1211.1	1127.5	1077.4	1029.6	972.3
50°	1846.6	1863.3	1896.7	1956.4	1977.9	1911.1	1736.7	1512.1	1352.1	1433.3	1371.2
47.5°	2914.4	2998.0	2981.3	2938.3	2866.6	2685.0	2441.4	2240.7	2073.5	2018.6	2028.1
45°	3580.8	3614.3	3602.3	3583.2	3549.8	3380.2	3110.2	2802.1	2646.8	2584.7	2520.2
42.5°	4127.9	4163.7	4170.9	4173.3	4137.4	3982.2	3738.5	3430.4	3275.1	3095.9	2955.0
40°	5171.8	5224.4	5164.6	5085.8	4966.4	4789.6	4550.7	4266.4	3991.7	3772.0	3604.7
37.5°	5838.3	5902.8	5926.7	5921.9	5895.6	5819.2	5525.4	5255.4	4835.0	4342.9	4431.3
35°	7419.7	7486.6	7467.5	7395.8	7357.6	7276.4	6989.7	6669.6	6141.7	5606.6	5463.2
32.5°	9777.5	9923.2	9650.9	9352.2	9168.3	9232.8	8941.4	8157.8	7914.2	6949.1	6502.4
30°	10475.0	10472.6	10334.1	10212.2	10061.7	10030.7	9481.2	8855.4	8258.2	7582.1	7018.4
27.5°	10262.4	10219.4	10102.3	10014.0	9873.0	9799.0	9261.5	8764.6	8074.2	7469.9	6925.2
25°	9443.0	9476.5	9357.0	9340.3	9285.4	9142.0	8874.5	8315.5	7699.2	7030.3	6638.5
22.5°	9020.2	9008.3	8864.9	8781.3	8848.2	8695.3	8587.8	8024.1	7381.5	6817.7	6347.1
20°	8332.2	8334.6	8298.8	8291.6	8251.0	8181.7	8095.7	7696.8	7242.9	6760.4	6194.2
17.5°	8716.8	8814.8	8857.8	8501.8	8602.2	8523.3	8432.6	7876.0	7534.4	7106.8	6368.6
15°	9280.6	9244.8	9201.8	9182.6	9127.7	9053.6	8888.8	8444.5	7856.8	7414.9	6839.2
12.5°	9309.2	9240.0	9223.3	9220.9	9163.5	9060.8	8900.8	8532.9	8012.1	7474.6	7006.4
10°	9371.4	9299.7	9290.1	9302.1	9213.7	9149.2	8989.1	8647.5	8059.9	7577.4	7135.4
7.5°	9471.7	9352.2	9407.2	9371.4	9330.7	9228.0	9056.0	8721.6	8234.3	7713.5	7250.1
5°	9498.0	9366.6	9426.3	9392.9	9333.1	9232.8	9046.5	8769.4	8341.8	7768.5	7295.5
2.5°	9433.5	9395.2	9369.0	9306.9	9280.6	9170.7	8993.9	8697.7	8291.6	7744.6	7285.9
0°	9366.6	9400.0	9340.3	9278.2	9266.3	9177.9	9027.4	8759.8	8408.7	7811.5	7367.1
-2.5°	9380.9	9354.6	9314.0	9249.5	9187.4	9060.8	8924.6	8673.8	8296.4	7665.7	7252.5
-5°	9380.9	9259.1	9263.9	9266.3	9204.1	9072.8	8907.9	8695.3	8229.5	7663.3	7219.0
-7.5°	9199.4	9094.3	9077.5	9063.2	9046.5	8924.6	8795.7	8530.5	8117.2	7601.2	7125.9
-10°	8931.8	8829.1	8838.7	8817.2	8764.6	8683.4	8585.4	8346.6	8007.3	7405.4	6937.1
-12.5°	8597.4	8552.0	8525.7	8489.9	8437.3	8365.7	8265.3	8040.8	7677.7	7164.1	6719.8
-15°	8200.8	8167.4	8143.5	8122.0	8045.6	7971.5	7840.1	7632.3	7405.4	6853.5	6399.7
-17.5°	7804.3	7720.7	7687.2	7658.6	7608.4	7489.0	7369.5	7214.3	6896.5	6459.4	6070.0
-20°	7295.5	7245.3	7204.7	7166.5	7094.8	7001.6	6903.7	6724.5	6449.8	6096.3	5692.6

REPORT NUMBER: P722612

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

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	6762.8	6734.1	6700.7	6652.9	6605.1	6516.7	6380.6	6208.6	5993.6	5611.3	5233.9
-25°	6213.3	6158.4	6117.8	6072.4	6034.2	5953.0	5821.6	5656.7	5386.8	5057.1	4741.8
-27.5°	5566.0	5513.4	5491.9	5439.4	5405.9	5331.9	5200.5	5047.6	4803.9	4526.8	4206.7
-30°	4835.0	4844.5	4820.6	4770.5	4729.9	4634.3	4534.0	4405.0	4213.9	3948.7	3662.1
-32.5°	4158.9	4170.9	4142.2	4089.7	4037.1	3967.8	3874.7	3757.6	3614.3	3361.1	3112.6
-35°	3482.9	3478.1	3454.2	3423.2	3387.4	3330.0	3224.9	3136.5	2971.7	2794.9	2622.9
-37.5°	2876.1	2888.1	2880.9	2864.2	2823.6	2775.8	2689.8	2608.6	2486.8	2331.5	2197.7
-40°	2396.0	2410.3	2400.8	2384.0	2348.2	2319.5	2262.2	2190.6	2092.6	1958.8	1846.6
-42.5°	2028.1	2037.7	2025.7	2011.4	1980.3	1958.8	1913.4	1853.7	1772.5	1669.8	1569.5
-45°	1736.7	1739.1	1727.1	1717.6	1693.7	1667.4	1629.2	1581.4	1516.9	1445.2	1364.0
-47.5°	1507.3	1505.0	1493.0	1483.5	1464.3	1440.5	1409.4	1366.4	1316.2	1261.3	1196.8
-50°	1306.7	1318.6	1313.9	1304.3	1290.0	1273.2	1242.2	1196.8	1146.6	1106.0	1060.6
-52.5°	1168.1	1170.5	1168.1	1168.1	1165.7	1153.8	1118.0	1072.6	1017.6	981.8	943.6
-55°	1039.1	1051.1	1055.9	1060.6	1063.0	1063.0	1020.0	972.3	919.7	883.9	855.2
-57.5°	934.0	941.2	946.0	957.9	967.5	974.6	936.4	893.4	852.8	819.4	793.1
-60°	843.3	852.8	860.0	871.9	879.1	883.9	860.0	831.3	807.4	785.9	747.7
-62.5°	762.0	769.2	776.4	783.5	790.7	795.5	785.9	771.6	759.6	750.1	702.3
-65°	680.8	688.0	695.1	704.7	711.9	716.6	714.3	704.7	695.1	685.6	642.6
-67.5°	606.8	613.9	623.5	625.9	630.6	633.0	628.3	621.1	609.2	597.2	563.8
-70°	527.9	532.7	537.5	537.5	537.5	535.1	530.3	520.8	508.8	492.1	465.8
-72.5°	456.3	461.0	465.8	458.7	453.9	446.7	439.5	427.6	415.7	403.7	389.4
-75°	389.4	391.8	391.8	382.2	375.0	367.9	358.3	351.2	339.2	329.7	317.7
-77.5°	310.5	310.5	310.5	303.4	298.6	293.8	286.7	279.5	269.9	262.8	253.2
-80°	241.3	241.3	241.3	238.9	231.7	226.9	222.2	217.4	210.2	205.4	200.7
-82.5°	183.9	183.9	183.9	181.6	176.8	174.4	169.6	164.8	162.4	157.7	155.3
-85°	133.8	136.2	136.2	133.8	131.4	126.6	124.2	121.8	119.4	117.1	112.3
-87.5°	90.8	90.8	90.8	88.4	86.0	86.0	83.6	78.8	74.1	71.7	69.3
-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: P722612

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

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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	7.2	7.2	7.2	9.6	9.6	9.6	9.6	9.6	9.6	9.6	7.2
82.5°	11.9	11.9	14.3	14.3	16.7	16.7	16.7	16.7	16.7	16.7	16.7
80°	11.9	14.3	16.7	19.1	21.5	23.9	23.9	23.9	23.9	21.5	21.5
77.5°	14.3	14.3	16.7	19.1	21.5	23.9	26.3	28.7	26.3	26.3	26.3
75°	14.3	16.7	16.7	19.1	21.5	23.9	26.3	28.7	28.7	28.7	28.7
72.5°	11.9	14.3	16.7	19.1	19.1	21.5	23.9	23.9	26.3	26.3	28.7
70°	11.9	14.3	16.7	16.7	19.1	19.1	21.5	23.9	23.9	26.3	26.3
67.5°	14.3	16.7	16.7	19.1	21.5	21.5	21.5	23.9	23.9	26.3	26.3
65°	16.7	19.1	19.1	21.5	23.9	23.9	26.3	26.3	26.3	28.7	28.7
62.5°	28.7	28.7	28.7	26.3	28.7	28.7	28.7	31.1	31.1	28.7	31.1
60°	148.1	107.5	74.1	93.2	83.6	38.2	38.2	38.2	35.8	35.8	33.4
57.5°	348.8	324.9	279.5	236.5	212.6	188.7	117.1	47.8	47.8	43.0	38.2
55°	582.9	504.0	470.6	413.3	351.2	322.5	267.5	181.6	86.0	57.3	50.2
52.5°	903.0	828.9	742.9	625.9	542.3	475.4	430.0	341.6	229.3	121.8	76.4
50°	1208.7	1175.3	1122.7	1008.1	833.7	721.4	647.4	547.0	410.9	250.8	143.3
47.5°	1946.9	1667.4	1497.8	1409.4	1263.7	1051.1	907.8	795.5	630.6	422.8	253.2
45°	2450.9	2274.2	2004.2	1817.9	1602.9	1378.4	1192.0	1063.0	867.1	633.0	396.5
42.5°	2883.3	2730.4	2486.8	2214.4	1987.5	1693.7	1454.8	1285.2	1120.4	864.8	592.4
40°	3439.9	3258.4	3024.3	2759.1	2493.9	2118.9	1731.9	1526.5	1344.9	1118.0	800.3
37.5°	4357.2	4037.1	3654.9	3361.1	3014.7	2697.0	2166.7	1803.6	1588.6	1352.1	1043.9
35°	5460.9	5109.7	4471.9	4082.5	3619.1	3146.1	2668.3	2130.8	1825.1	1574.2	1268.5
32.5°	6488.0	5974.5	5157.5	4701.2	4393.0	3521.1	3026.6	2560.8	2068.7	1760.6	1397.5
30°	6772.3	6206.2	5620.9	5088.2	4562.7	3858.0	3272.7	2909.6	2374.5	1872.8	1519.3
27.5°	6485.7	6096.3	5642.4	5147.9	4579.4	3975.0	3423.2	3076.8	2599.0	1949.3	1614.8
25°	6194.2	5788.1	5470.4	5057.1	4531.6	3967.8	3428.0	3181.9	2773.4	2097.4	1667.4
22.5°	5886.1	5632.8	5370.1	4909.0	4412.2	3989.3	3583.2	3272.7	2864.2	2264.6	1688.9
20°	5902.8	5738.0	5448.9	4832.6	4390.7	4115.9	3769.6	3387.4	2962.1	2410.3	1705.6
17.5°	6170.3	5955.3	5592.2	5057.1	4584.2	4244.9	3924.8	3545.0	3062.5	2539.3	1908.7
15°	6500.0	6172.7	5792.9	5322.3	4787.2	4385.9	4044.3	3654.9	3177.1	2658.8	2090.2
12.5°	6738.9	6273.1	5917.1	5491.9	5007.0	4538.8	4123.1	3738.5	3284.6	2756.7	2226.4
10°	6820.1	6397.3	5976.8	5597.0	5119.3	4620.0	4182.8	3791.1	3377.8	2833.1	2326.7
7.5°	6863.1	6504.8	6017.4	5644.8	5186.1	4670.2	4230.6	3819.7	3451.9	2885.7	2391.2
5°	6858.3	6562.1	6048.5	5659.1	5222.0	4691.7	4264.1	3826.9	3504.4	2931.1	2429.4
2.5°	6836.8	6600.3	6098.7	5683.0	5293.6	4732.3	4328.6	3841.2	3523.5	2981.3	2455.7
0°	6915.6	6602.7	6151.2	5690.2	5341.4	4746.6	4357.2	3829.3	3497.2	2995.6	2453.3
-2.5°	6746.0	6461.8	6139.3	5628.1	5276.9	4713.2	4304.7	3791.1	3439.9	2978.9	2443.8
-5°	6717.4	6359.1	6038.9	5570.7	5169.4	4643.9	4206.7	3719.4	3349.1	2923.9	2405.5
-7.5°	6640.9	6261.1	5941.0	5525.4	5069.1	4572.2	4113.6	3645.3	3251.2	2837.9	2350.6
-10°	6473.7	6110.6	5835.9	5427.4	4947.3	4469.5	4001.3	3547.4	3136.5	2720.9	2264.6
-12.5°	6234.8	5871.7	5599.4	5219.6	4794.4	4330.9	3867.5	3420.8	3005.1	2596.7	2161.9
-15°	5964.9	5597.0	5324.7	4978.3	4567.4	4115.9	3697.9	3260.7	2854.6	2465.3	2040.1
-17.5°	5659.1	5310.4	5047.6	4710.8	4302.3	3872.3	3456.6	3060.1	2680.3	2329.1	1899.1
-20°	5305.6	4966.4	4725.1	4388.3	4013.2	3595.2	3191.5	2816.4	2474.8	2145.2	1743.8

REPORT NUMBER: P722612

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	4868.4	4569.8	4295.1	3994.1	3666.8	3284.6	2909.6	2577.5	2250.3	1927.8	1583.8
-25°	4421.7	4132.7	3865.1	3590.4	3277.5	2947.8	2627.7	2326.7	2006.6	1715.2	1428.5
-27.5°	3924.8	3666.8	3428.0	3174.7	2888.1	2603.8	2341.0	2047.2	1770.1	1521.7	1275.6
-30°	3394.5	3184.3	2976.5	2751.9	2520.2	2281.3	2047.2	1770.1	1552.7	1354.5	1146.6
-32.5°	2885.7	2697.0	2529.8	2362.5	2161.9	1966.0	1758.2	1552.7	1371.2	1196.8	1022.4
-35°	2439.0	2238.3	2145.2	2011.4	1851.3	1674.6	1505.0	1361.6	1215.9	1058.2	903.0
-37.5°	2052.0	1923.0	1813.1	1712.8	1586.2	1433.3	1311.5	1194.4	1072.6	929.3	795.5
-40°	1748.6	1655.5	1545.6	1471.5	1368.8	1258.9	1137.1	1039.1	936.4	819.4	709.5
-42.5°	1505.0	1428.5	1356.9	1278.0	1201.6	1108.4	1003.3	910.1	817.0	731.0	640.2
-45°	1304.3	1249.4	1192.0	1127.5	1060.6	979.4	893.4	797.9	731.0	654.5	578.1
-47.5°	1139.5	1098.9	1051.1	1000.9	943.6	871.9	793.1	723.8	654.5	590.0	516.0
-50°	1008.1	969.9	931.6	888.6	838.5	776.4	716.6	652.1	587.7	525.5	456.3
-52.5°	898.2	864.8	833.7	797.9	750.1	697.5	642.6	585.3	525.5	463.4	408.5
-55°	821.8	783.5	752.5	716.6	673.6	623.5	573.3	520.8	463.4	415.7	370.3
-57.5°	759.6	716.6	680.8	642.6	599.6	556.6	511.2	463.4	420.4	375.0	332.0
-60°	707.1	656.9	616.3	578.1	537.5	496.9	458.7	418.0	377.4	336.8	293.8
-62.5°	652.1	599.6	549.4	513.6	482.5	446.7	413.3	375.0	339.2	298.6	267.5
-65°	590.0	539.9	492.1	461.0	432.4	401.3	370.3	336.8	305.8	274.7	246.0
-67.5°	520.8	477.8	444.3	415.7	387.0	360.7	332.0	303.4	277.1	246.0	217.4
-70°	437.2	413.3	394.2	372.7	346.4	322.5	296.2	269.9	241.3	215.0	188.7
-72.5°	372.7	358.3	344.0	322.5	298.6	277.1	255.6	231.7	207.8	183.9	162.4
-75°	305.8	293.8	281.9	267.5	248.4	231.7	212.6	191.1	172.0	155.3	138.6
-77.5°	246.0	236.5	229.3	217.4	203.1	188.7	176.8	162.4	148.1	131.4	114.7
-80°	195.9	191.1	188.7	183.9	172.0	160.1	150.5	138.6	124.2	112.3	100.3
-82.5°	152.9	152.9	150.5	148.1	138.6	129.0	121.8	112.3	102.7	93.2	81.2
-85°	112.3	109.9	109.9	107.5	100.3	95.6	88.4	83.6	76.4	66.9	62.1
-87.5°	66.9	64.5	62.1	59.7	54.9	52.6	47.8	45.4	40.6	35.8	33.4
-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: P722612

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

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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	0.0
85°	7.2	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4
82.5°	14.3	14.3	11.9	11.9	9.6	7.2	4.8	4.8	4.8	2.4	2.4
80°	21.5	21.5	21.5	19.1	16.7	11.9	9.6	7.2	4.8	2.4	2.4
77.5°	26.3	23.9	23.9	21.5	21.5	19.1	14.3	11.9	7.2	4.8	2.4
75°	26.3	26.3	26.3	23.9	23.9	21.5	19.1	14.3	11.9	7.2	4.8
72.5°	28.7	26.3	26.3	26.3	23.9	21.5	19.1	16.7	14.3	9.6	4.8
70°	26.3	26.3	26.3	26.3	23.9	23.9	19.1	16.7	16.7	9.6	7.2
67.5°	26.3	26.3	26.3	23.9	23.9	21.5	19.1	16.7	16.7	11.9	7.2
65°	28.7	26.3	26.3	26.3	23.9	21.5	19.1	16.7	16.7	14.3	9.6
62.5°	31.1	28.7	28.7	26.3	23.9	21.5	19.1	16.7	16.7	14.3	9.6
60°	33.4	31.1	28.7	28.7	26.3	23.9	19.1	19.1	16.7	14.3	9.6
57.5°	35.8	33.4	33.4	31.1	28.7	26.3	21.5	19.1	16.7	14.3	11.9
55°	43.0	38.2	35.8	35.8	33.4	28.7	23.9	19.1	16.7	14.3	11.9
52.5°	57.3	45.4	40.6	40.6	38.2	33.4	26.3	21.5	16.7	14.3	11.9
50°	90.8	57.3	47.8	43.0	43.0	38.2	31.1	23.9	16.7	14.3	11.9
47.5°	143.3	95.6	57.3	50.2	47.8	45.4	35.8	23.9	19.1	14.3	11.9
45°	236.5	140.9	93.2	59.7	50.2	47.8	40.6	26.3	19.1	16.7	11.9
42.5°	324.9	219.8	143.3	71.7	59.7	52.6	43.0	28.7	21.5	16.7	11.9
40°	511.2	301.0	200.7	117.1	69.3	54.9	47.8	33.4	21.5	16.7	11.9
37.5°	692.8	398.9	269.9	172.0	78.8	62.1	50.2	35.8	23.9	16.7	14.3
35°	874.3	559.0	334.4	229.3	105.1	74.1	52.6	38.2	23.9	16.7	14.3
32.5°	1036.7	709.5	401.3	286.7	157.7	88.4	57.3	40.6	26.3	19.1	14.3
30°	1170.5	848.0	520.8	336.8	205.4	107.5	62.1	40.6	28.7	19.1	14.3
27.5°	1270.9	955.5	642.6	389.4	246.0	126.6	71.7	45.4	28.7	19.1	14.3
25°	1352.1	1039.1	750.1	444.3	281.9	157.7	86.0	47.8	31.1	21.5	14.3
22.5°	1416.6	1108.4	838.5	518.4	324.9	188.7	105.1	52.6	31.1	21.5	14.3
20°	1505.0	1177.7	898.2	597.2	370.3	217.4	121.8	57.3	31.1	21.5	16.7
17.5°	1581.4	1247.0	946.0	664.1	415.7	238.9	140.9	62.1	33.4	21.5	16.7
15°	1669.8	1313.9	989.0	716.6	458.7	258.0	157.7	66.9	33.4	23.9	16.7
12.5°	1765.3	1376.0	1020.0	759.6	504.0	274.7	172.0	76.4	35.8	23.9	16.7
10°	1863.3	1428.5	1046.3	790.7	537.5	291.4	181.6	86.0	38.2	23.9	16.7
7.5°	1961.2	1476.3	1079.7	805.0	551.8	310.5	186.3	95.6	38.2	26.3	16.7
5°	2028.1	1507.3	1127.5	814.6	559.0	332.0	193.5	107.5	40.6	26.3	16.7
2.5°	2085.4	1526.5	1177.7	821.8	561.4	344.0	191.1	114.7	43.0	26.3	16.7
0°	2111.7	1526.5	1211.1	817.0	554.2	355.9	191.1	121.8	43.0	26.3	16.7
-2.5°	2071.1	1569.5	1201.6	819.4	556.6	355.9	200.7	124.2	47.8	28.7	16.7
-5°	2006.6	1586.2	1172.9	807.4	551.8	355.9	212.6	126.6	50.2	28.7	19.1
-7.5°	1944.5	1593.3	1139.5	795.5	544.7	346.4	215.0	124.2	54.9	31.1	19.1
-10°	1863.3	1514.5	1096.5	774.0	530.3	339.2	219.8	124.2	57.3	31.1	19.1
-12.5°	1770.1	1419.0	1043.9	742.9	513.6	332.0	222.2	124.2	59.7	33.4	19.1
-15°	1662.6	1321.0	984.2	709.5	489.7	322.5	217.4	121.8	62.1	33.4	21.5
-17.5°	1540.8	1225.5	922.1	668.9	463.4	310.5	207.8	119.4	62.1	33.4	21.5
-20°	1402.2	1129.9	852.8	628.3	432.4	296.2	198.3	114.7	62.1	33.4	21.5



REPORT NUMBER: P722612

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1278.0	1041.5	781.1	582.9	398.9	279.5	186.3	109.9	62.1	35.8	21.5
-25°	1175.3	955.5	726.2	537.5	363.1	260.4	174.4	105.1	62.1	35.8	21.5
-27.5°	1067.8	862.4	668.9	494.5	339.2	243.7	162.4	100.3	59.7	35.8	21.5
-30°	957.9	771.6	609.2	446.7	315.3	226.9	152.9	93.2	59.7	35.8	21.5
-32.5°	857.6	697.5	554.2	398.9	289.0	210.2	143.3	90.8	57.3	35.8	21.5
-35°	759.6	630.6	496.9	360.7	260.4	193.5	133.8	88.4	57.3	35.8	21.5
-37.5°	678.4	568.5	444.3	334.4	243.7	179.2	124.2	83.6	54.9	35.8	21.5
-40°	611.5	511.2	394.2	305.8	229.3	164.8	114.7	81.2	54.9	35.8	21.5
-42.5°	549.4	456.3	363.1	281.9	215.0	155.3	107.5	78.8	52.6	35.8	21.5
-45°	494.5	408.5	332.0	260.4	198.3	143.3	102.7	74.1	50.2	35.8	23.9
-47.5°	439.5	375.0	303.4	241.3	181.6	129.0	97.9	71.7	47.8	33.4	23.9
-50°	396.5	339.2	279.5	219.8	164.8	124.2	93.2	66.9	47.8	33.4	23.9
-52.5°	358.3	305.8	253.2	198.3	150.5	117.1	88.4	62.1	45.4	33.4	23.9
-55°	322.5	274.7	226.9	176.8	140.9	109.9	81.2	57.3	45.4	33.4	23.9
-57.5°	286.7	246.0	200.7	160.1	129.0	102.7	76.4	57.3	45.4	33.4	23.9
-60°	258.0	219.8	181.6	148.1	119.4	93.2	69.3	54.9	43.0	33.4	23.9
-62.5°	234.1	198.3	164.8	133.8	109.9	83.6	66.9	54.9	43.0	33.4	21.5
-65°	210.2	179.2	148.1	121.8	97.9	78.8	64.5	52.6	43.0	33.4	21.5
-67.5°	186.3	157.7	133.8	107.5	90.8	76.4	62.1	52.6	40.6	31.1	21.5
-70°	162.4	138.6	117.1	100.3	86.0	71.7	59.7	50.2	40.6	28.7	19.1
-72.5°	143.3	121.8	105.1	93.2	81.2	69.3	57.3	47.8	38.2	26.3	16.7
-75°	121.8	107.5	95.6	83.6	74.1	64.5	54.9	43.0	33.4	23.9	16.7
-77.5°	102.7	93.2	83.6	76.4	66.9	57.3	47.8	38.2	31.1	21.5	14.3
-80°	88.4	81.2	74.1	66.9	59.7	50.2	43.0	33.4	26.3	19.1	11.9
-82.5°	71.7	66.9	59.7	54.9	50.2	43.0	35.8	28.7	19.1	14.3	9.6
-85°	54.9	50.2	47.8	43.0	38.2	31.1	23.9	19.1	14.3	9.6	4.8
-87.5°	28.7	26.3	23.9	21.5	19.1	14.3	11.9	9.6	7.2	4.8	2.4
-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: P722612

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
80°	2.4	0.0	0.0	0.0
77.5°	2.4	0.0	0.0	0.0
75°	2.4	2.4	0.0	0.0
72.5°	2.4	2.4	0.0	0.0
70°	2.4	2.4	0.0	0.0
67.5°	4.8	2.4	0.0	0.0
65°	4.8	2.4	0.0	0.0
62.5°	4.8	2.4	0.0	0.0
60°	4.8	2.4	0.0	0.0
57.5°	7.2	2.4	2.4	0.0
55°	7.2	2.4	2.4	0.0
52.5°	7.2	2.4	2.4	0.0
50°	7.2	4.8	2.4	0.0
47.5°	7.2	4.8	2.4	0.0
45°	7.2	4.8	2.4	0.0
42.5°	7.2	4.8	2.4	0.0
40°	9.6	4.8	2.4	0.0
37.5°	9.6	4.8	2.4	0.0
35°	9.6	4.8	2.4	0.0
32.5°	9.6	4.8	2.4	0.0
30°	9.6	4.8	2.4	0.0
27.5°	9.6	7.2	2.4	0.0
25°	9.6	7.2	2.4	0.0
22.5°	11.9	7.2	2.4	0.0
20°	11.9	7.2	2.4	0.0
17.5°	11.9	7.2	2.4	0.0
15°	11.9	7.2	2.4	0.0
12.5°	11.9	7.2	2.4	0.0
10°	11.9	7.2	2.4	0.0
7.5°	11.9	7.2	2.4	0.0
5°	11.9	7.2	2.4	0.0
2.5°	11.9	7.2	2.4	0.0
0°	11.9	7.2	2.4	0.0
-2.5°	11.9	7.2	2.4	0.0
-5°	11.9	7.2	2.4	0.0
-7.5°	11.9	7.2	2.4	0.0
-10°	11.9	7.2	2.4	0.0
-12.5°	14.3	7.2	2.4	0.0
-15°	14.3	7.2	2.4	0.0
-17.5°	14.3	7.2	2.4	0.0
-20°	14.3	7.2	2.4	0.0



REPORT NUMBER: P722612

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	14.3	7.2	2.4	0.0
-25°	14.3	7.2	2.4	0.0
-27.5°	14.3	7.2	2.4	0.0
-30°	14.3	7.2	2.4	0.0
-32.5°	14.3	7.2	2.4	0.0
-35°	14.3	7.2	2.4	0.0
-37.5°	14.3	7.2	2.4	0.0
-40°	14.3	7.2	2.4	0.0
-42.5°	11.9	7.2	2.4	0.0
-45°	14.3	7.2	2.4	0.0
-47.5°	14.3	7.2	2.4	0.0
-50°	14.3	7.2	2.4	0.0
-52.5°	14.3	7.2	2.4	0.0
-55°	14.3	7.2	2.4	0.0
-57.5°	14.3	7.2	2.4	0.0
-60°	14.3	7.2	2.4	0.0
-62.5°	11.9	7.2	2.4	0.0
-65°	11.9	4.8	2.4	0.0
-67.5°	11.9	4.8	2.4	0.0
-70°	11.9	4.8	2.4	0.0
-72.5°	9.6	4.8	2.4	0.0
-75°	9.6	4.8	2.4	0.0
-77.5°	7.2	2.4	0.0	0.0
-80°	7.2	2.4	0.0	0.0
-82.5°	4.8	2.4	0.0	0.0
-85°	2.4	2.4	0.0	0.0
-87.5°	2.4	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)