

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: P722004

Luminaire Tested: **IFLD-M-SA4B-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722004
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-727-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

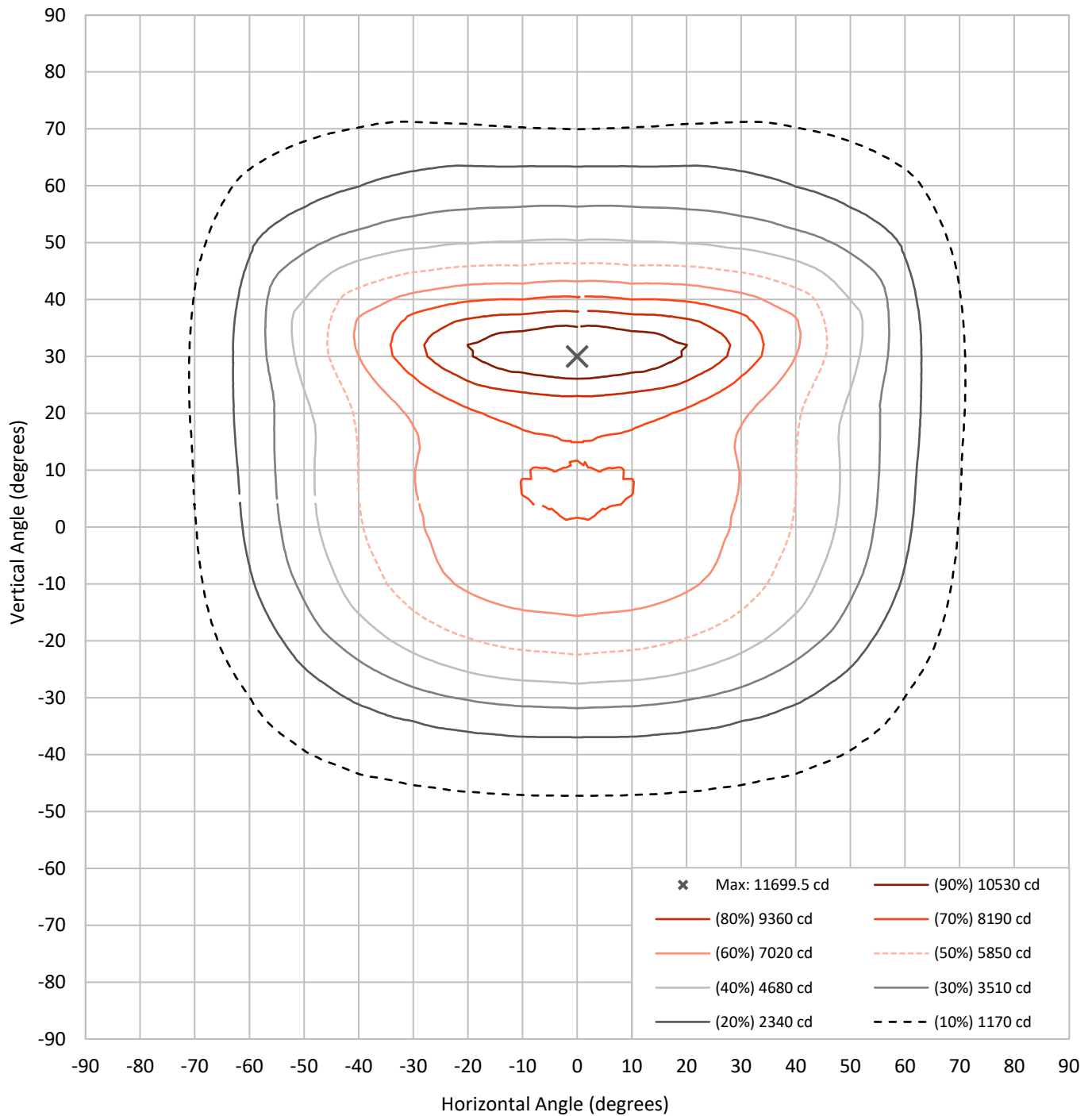
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	19529.4 lumens	Max Intensity:	11699.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	117.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	11356.6 lumens	Field Lumens:	18301.6 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



REPORT NUMBER: P722004
CATALOG NUMBER: IFLD-M-SA4B-727-U-76

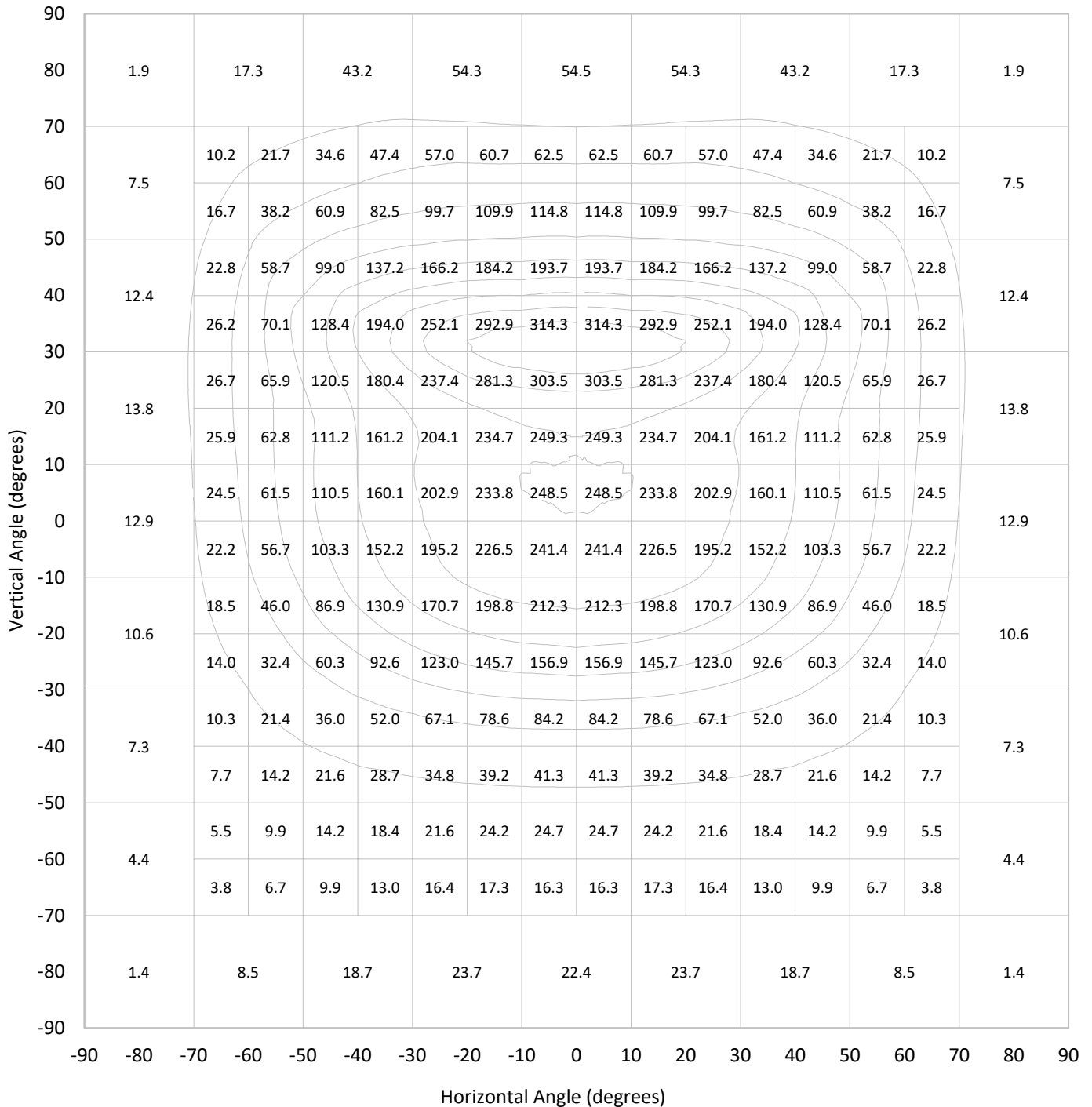
Iso-Candela Plot





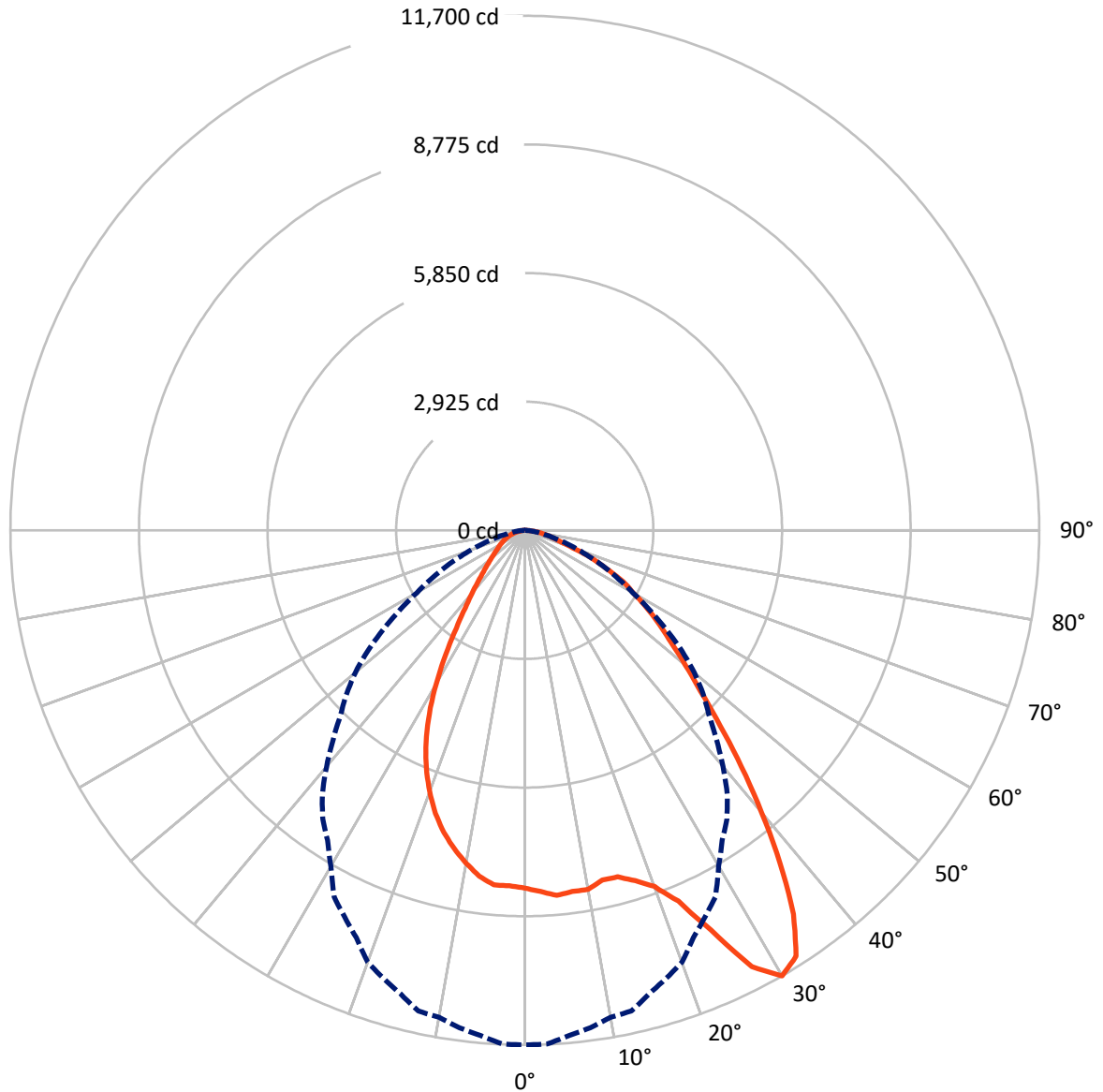
REPORT NUMBER: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-U-76

Lumen Table



REPORT NUMBER: P722004
CATALOG NUMBER: IFLD-M-SA4B-727-U-76

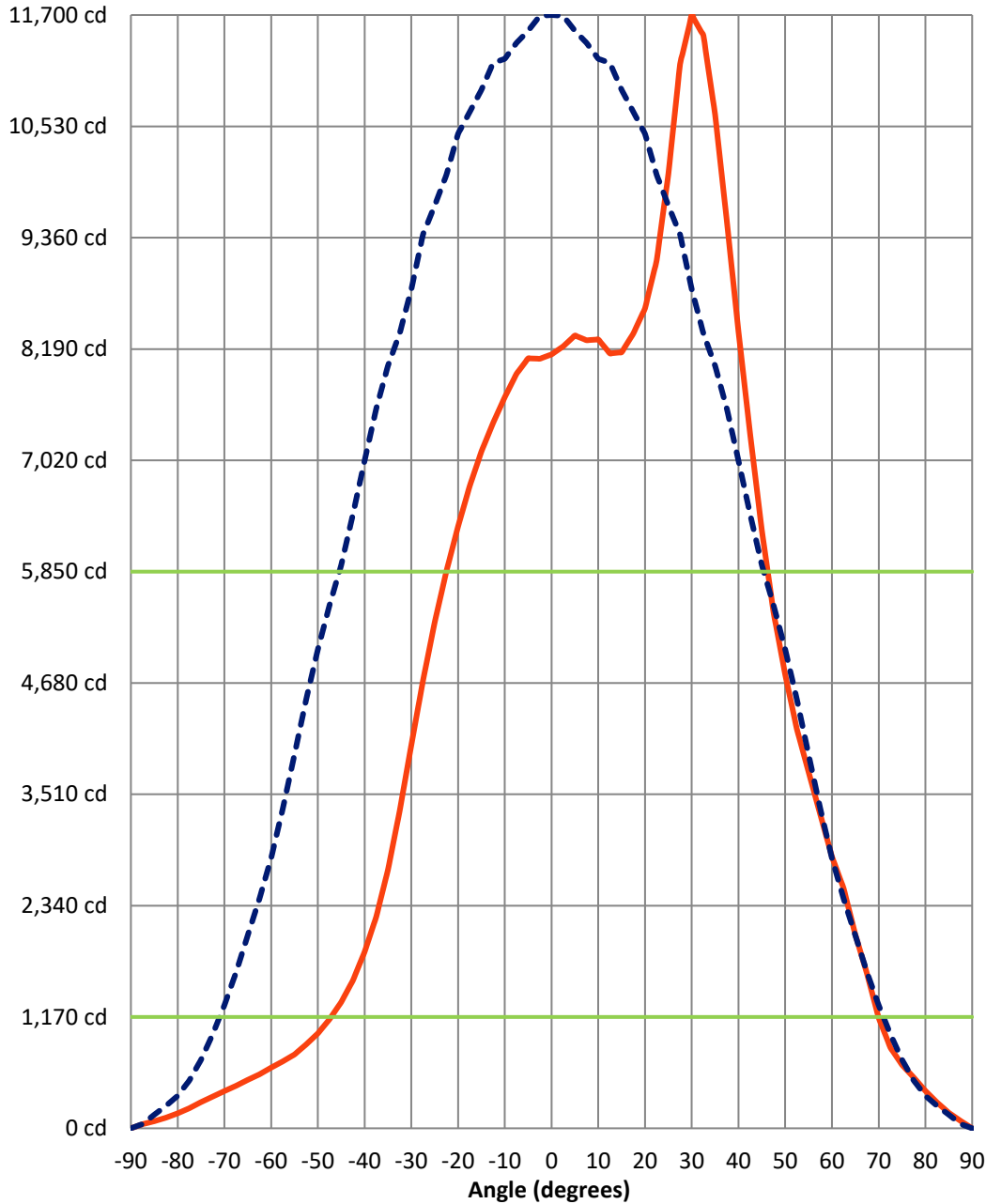
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 11356.6
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 18301.6
 Efficiency: 93.7%

Spill:
 Lumens: 1227.8
 Efficiency: 6.3%

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



REPORT NUMBER: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-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°	78.6	80.7	82.8	82.8	80.7	80.7	80.7	78.6	80.7	80.7	80.7
85°	163.4	167.6	171.7	169.6	167.6	163.4	159.3	161.4	163.4	165.5	165.5
82.5°	271.0	277.2	281.4	279.3	275.2	271.0	266.9	269.0	273.1	275.2	275.2
80°	393.1	395.2	397.2	401.4	395.2	395.2	393.1	401.4	405.5	409.6	413.8
77.5°	533.8	535.8	535.8	537.9	540.0	542.0	542.0	556.5	566.9	573.1	579.3
75°	666.2	672.4	678.6	684.8	693.1	697.2	703.4	724.1	740.7	753.1	765.5
72.5°	848.2	856.5	866.9	881.3	895.8	906.2	920.7	945.5	964.1	976.5	991.0
70°	1160.6	1168.9	1179.3	1189.6	1204.1	1214.4	1228.9	1259.9	1278.6	1286.8	1295.1
67.5°	1624.1	1644.8	1663.4	1642.7	1632.3	1617.9	1622.0	1651.0	1669.6	1682.0	1679.9
65°	2035.8	2050.3	2050.3	2048.2	2039.9	2021.3	2031.6	2066.8	2087.5	2097.8	2066.8
62.5°	2519.9	2519.9	2509.6	2526.1	2528.2	2515.8	2509.6	2511.6	2513.7	2519.9	2468.2
60°	2855.1	2875.7	2882.0	2896.4	2900.6	2900.6	2910.9	2919.2	2919.2	2906.8	2846.8
57.5°	3297.8	3337.1	3345.4	3335.0	3314.3	3287.5	3283.3	3270.9	3246.1	3221.2	3192.3
55°	3744.7	3765.4	3763.3	3757.1	3736.4	3705.4	3709.5	3693.0	3653.6	3622.6	3583.3
52.5°	4193.6	4243.3	4251.5	4239.1	4210.2	4177.1	4179.1	4160.5	4121.2	4088.1	4034.3
50°	4766.7	4808.1	4803.9	4783.3	4741.9	4717.0	4719.1	4683.9	4638.4	4628.1	4557.7
47.5°	5422.5	5470.1	5461.8	5432.9	5377.0	5366.7	5377.0	5331.5	5304.6	5281.9	5199.1
45°	6283.2	6339.0	6308.0	6252.2	6163.2	6173.5	6188.0	6179.7	6121.8	6061.8	5956.3
42.5°	7292.8	7328.0	7290.7	7234.9	7123.2	7143.8	7135.6	7085.9	7050.7	6951.4	6817.0
40°	8372.8	8449.3	8391.4	8304.5	8188.6	8219.7	8196.9	8132.8	8050.0	7925.9	7756.2
37.5°	9537.5	9597.5	9531.3	9430.0	9326.5	9316.2	9270.7	9171.3	9053.4	8916.9	8645.9
35°	10652.7	10807.8	10685.8	10524.4	10398.2	10350.6	10307.2	10077.5	9943.0	9721.7	9351.3
32.5°	11482.3	11596.1	11445.0	11277.5	11124.4	11058.2	10905.1	10632.0	10559.6	10094.1	9754.8
30°	11699.5	11691.2	11534.0	11405.7	11240.2	11194.7	10913.3	10681.6	10449.9	10019.6	9696.8
27.5°	11182.3	11130.6	10979.5	10867.8	10704.4	10650.6	10373.4	10249.2	9891.3	9527.2	9254.1
25°	10029.9	10056.8	9943.0	9887.2	9779.6	9663.7	9554.1	9386.5	9163.1	8844.5	8594.1
22.5°	9121.7	9156.9	9109.3	9043.1	8960.3	8896.2	8813.4	8683.1	8467.9	8271.4	8035.5
20°	8616.9	8606.5	8565.2	8515.5	8436.9	8391.4	8300.3	8190.7	8025.2	7855.5	7601.1
17.5°	8352.1	8287.9	8248.6	8230.0	8188.6	8130.7	8023.1	7911.4	7783.1	7590.7	7404.5
15°	8155.5	8165.9	8134.8	8120.4	8087.3	8006.6	7896.9	7805.9	7632.1	7534.9	7365.2
12.5°	8143.1	8132.8	8134.8	8128.6	8087.3	7983.8	7928.0	7812.1	7700.4	7572.1	7377.6
10°	8290.0	8180.4	8188.6	8217.6	8151.4	8068.6	8008.6	7882.4	7776.9	7613.5	7421.1
7.5°	8281.7	8225.9	8242.4	8194.8	8215.5	8114.1	8031.4	7905.2	7772.8	7599.0	7425.2
5°	8331.4	8246.6	8232.1	8236.2	8184.5	8107.9	7996.2	7876.2	7752.1	7557.6	7379.7
2.5°	8217.6	8230.0	8163.8	8139.0	8132.8	8004.5	7901.1	7785.2	7656.9	7485.2	7325.9
0°	8132.8	8155.5	8087.3	8052.1	8050.0	7940.4	7874.2	7741.8	7650.7	7508.0	7315.6
-2.5°	8087.3	8114.1	8122.4	8058.3	7996.2	7911.4	7799.7	7656.9	7508.0	7342.5	7176.9
-5°	8091.4	8037.6	8014.8	8035.5	7981.7	7896.9	7772.8	7646.6	7499.7	7321.8	7114.9
-7.5°	7928.0	7874.2	7870.0	7859.7	7847.3	7766.6	7663.1	7526.6	7377.6	7212.1	7019.7
-10°	7683.8	7644.5	7634.2	7623.8	7590.7	7543.1	7445.9	7321.8	7187.3	7021.8	6817.0
-12.5°	7412.8	7394.2	7354.9	7328.0	7294.9	7239.0	7145.9	7032.1	6897.6	6750.8	6574.9
-15°	7112.8	7077.6	7038.3	7015.6	6968.0	6901.8	6808.7	6703.2	6556.3	6411.5	6246.0
-17.5°	6750.8	6707.3	6663.9	6657.7	6624.6	6523.2	6436.3	6308.0	6179.7	6041.1	5879.8
-20°	6324.6	6264.6	6235.6	6219.1	6173.5	6099.1	6006.0	5888.0	5763.9	5631.5	5445.3



REPORT NUMBER: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	5852.9	5801.1	5751.5	5720.5	5681.1	5623.2	5534.3	5430.8	5308.7	5159.8	4988.1
-25°	5317.0	5244.6	5213.6	5178.4	5157.7	5103.9	5017.0	4921.9	4795.7	4650.8	4487.4
-27.5°	4704.6	4646.7	4630.2	4580.5	4555.7	4499.8	4427.4	4338.4	4222.6	4086.0	3951.6
-30°	4028.1	3992.9	3966.0	3916.4	3897.8	3837.8	3790.2	3715.7	3610.2	3513.0	3405.4
-32.5°	3333.0	3297.8	3289.5	3266.8	3254.3	3215.0	3161.2	3107.5	3022.6	2950.2	2863.3
-35°	2716.4	2691.6	2693.7	2691.6	2679.2	2650.2	2584.0	2569.5	2507.5	2441.3	2385.4
-37.5°	2224.0	2226.1	2224.0	2222.0	2205.4	2193.0	2145.4	2126.8	2089.6	2025.4	1992.3
-40°	1853.7	1857.9	1855.8	1851.6	1833.0	1826.8	1795.8	1771.0	1756.5	1711.0	1675.8
-42.5°	1553.7	1559.9	1557.9	1555.8	1543.4	1541.3	1524.8	1495.8	1487.5	1460.6	1423.4
-45°	1326.2	1324.1	1319.9	1324.1	1317.9	1311.7	1301.3	1282.7	1272.4	1259.9	1228.9
-47.5°	1146.2	1148.2	1144.1	1144.1	1135.8	1129.6	1125.5	1113.1	1104.8	1094.4	1075.8
-50°	997.2	1005.5	1003.4	1001.3	995.1	991.0	991.0	978.6	966.2	962.0	949.6
-52.5°	881.3	887.5	889.6	893.8	895.8	897.9	891.7	879.3	858.6	856.5	850.3
-55°	775.8	794.5	806.9	815.1	823.4	829.6	817.2	800.7	780.0	771.7	769.6
-57.5°	703.4	722.0	736.5	748.9	759.3	769.6	757.2	740.7	722.0	711.7	709.6
-60°	637.2	653.8	668.2	684.8	699.3	715.8	709.6	697.2	686.9	678.6	670.3
-62.5°	566.9	583.4	600.0	620.7	639.3	655.8	657.9	655.8	653.8	655.8	641.4
-65°	508.9	517.2	527.6	550.3	571.0	589.6	600.0	606.2	616.5	626.9	612.4
-67.5°	446.9	457.2	469.6	486.2	502.7	515.2	529.6	546.2	562.7	579.3	568.9
-70°	391.0	399.3	409.6	417.9	428.3	436.5	448.9	467.6	486.2	502.7	498.6
-72.5°	333.1	341.4	347.6	351.7	357.9	362.1	368.3	384.8	397.2	405.5	405.5
-75°	275.2	283.4	289.6	291.7	295.8	297.9	302.1	308.3	314.5	316.5	318.6
-77.5°	211.0	219.3	225.5	229.6	233.8	237.9	240.0	244.1	246.2	246.2	248.3
-80°	157.2	163.4	167.6	173.8	175.9	180.0	184.1	186.2	188.3	188.3	190.3
-82.5°	111.7	115.9	120.0	124.1	128.3	130.3	134.5	136.5	138.6	140.7	142.8
-85°	74.5	78.6	82.8	86.9	89.0	91.0	93.1	95.2	97.2	99.3	101.4
-87.5°	43.4	45.5	47.6	51.7	53.8	57.9	60.0	57.9	60.0	60.0	60.0
-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: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-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°	80.7	80.7	80.7	80.7	78.6	74.5	72.4	68.3	64.1	60.0	55.9
85°	167.6	169.6	169.6	169.6	165.5	163.4	157.2	151.0	142.8	130.3	120.0
82.5°	279.3	281.4	281.4	279.3	275.2	269.0	260.7	250.3	233.8	217.2	202.8
80°	420.0	422.1	422.1	420.0	409.6	399.3	388.9	376.5	355.8	333.1	308.3
77.5°	587.6	591.7	591.7	585.5	571.0	558.6	542.0	521.4	490.3	457.2	424.1
75°	782.0	792.4	794.5	788.2	769.6	746.9	720.0	684.8	637.2	595.8	556.5
72.5°	1007.5	1017.9	1026.2	1017.9	991.0	960.0	920.7	879.3	831.7	775.8	709.6
70°	1303.4	1313.7	1319.9	1293.1	1245.5	1193.7	1146.2	1098.6	1042.7	974.4	902.0
67.5°	1675.8	1665.4	1653.0	1599.2	1539.2	1477.2	1411.0	1340.6	1268.2	1195.8	1111.0
65°	2033.7	2004.7	1977.8	1913.7	1837.2	1756.5	1679.9	1601.3	1514.4	1423.4	1342.7
62.5°	2410.2	2348.2	2282.0	2203.4	2124.7	2035.8	1959.2	1866.1	1768.9	1657.2	1553.7
60°	2780.6	2706.1	2639.9	2542.7	2439.2	2319.2	2236.5	2145.4	2031.6	1911.6	1789.6
57.5°	3138.5	3057.8	2985.4	2900.6	2788.9	2658.5	2567.5	2449.6	2329.6	2178.5	2054.4
55°	3519.2	3438.5	3380.6	3285.4	3163.3	3043.3	2944.0	2819.9	2652.3	2490.9	2337.8
52.5°	3955.7	3891.6	3829.5	3732.3	3585.4	3463.3	3353.7	3215.0	3039.2	2840.6	2656.4
50°	4444.0	4410.9	4344.6	4230.9	4063.3	3955.7	3810.9	3626.7	3438.5	3229.5	2999.9
47.5°	5091.5	5037.7	4944.6	4820.5	4679.8	4518.4	4324.0	4108.8	3841.9	3610.2	3366.1
45°	5865.3	5766.0	5646.0	5478.4	5304.6	5122.5	4909.5	4636.4	4278.4	3976.4	3719.8
42.5°	6703.2	6568.7	6405.3	6186.0	5960.4	5737.0	5507.4	5135.0	4688.1	4340.5	4050.9
40°	7578.3	7406.6	7201.8	6883.2	6632.8	6345.3	6082.5	5526.0	5050.1	4673.6	4365.3
37.5°	8434.8	8217.6	7874.2	7487.3	7195.6	6959.7	6382.5	5786.7	5360.5	4946.7	4634.3
35°	9090.7	8906.5	8300.3	7899.0	7648.7	7276.3	6554.2	5943.9	5492.9	5149.4	4663.3
32.5°	9479.6	9003.8	8472.1	8066.6	7859.7	7249.4	6566.6	5989.4	5554.9	5170.1	4588.8
30°	9392.7	8817.6	8352.1	8012.8	7563.8	7015.6	6450.8	5919.1	5497.0	5031.5	4506.0
27.5°	8869.3	8424.5	8008.6	7654.9	7214.2	6721.8	6200.4	5732.9	5339.8	4888.8	4392.2
25°	8277.6	7874.2	7565.9	7257.6	6839.7	6370.1	5910.8	5573.6	5178.4	4733.6	4243.3
22.5°	7733.5	7443.8	7201.8	6879.0	6471.5	6061.8	5776.3	5426.7	5021.2	4570.2	4090.2
20°	7385.9	7189.4	6912.1	6556.3	6235.6	5979.1	5662.5	5292.2	4874.3	4402.6	3959.8
17.5°	7218.3	6990.7	6682.5	6450.8	6204.6	5923.2	5569.4	5176.3	4731.5	4326.0	3974.3
15°	7131.4	6891.4	6688.7	6461.1	6183.9	5888.0	5494.9	5087.4	4731.5	4357.1	3984.7
12.5°	7150.1	6943.2	6721.8	6473.5	6175.6	5859.1	5503.2	5124.6	4756.4	4379.8	3986.7
10°	7208.0	6990.7	6754.9	6479.7	6179.7	5867.3	5526.0	5147.4	4768.8	4390.2	3982.6
7.5°	7228.7	6992.8	6740.4	6463.2	6169.4	5863.2	5530.1	5153.6	4770.8	4388.1	3970.2
5°	7164.5	6951.4	6707.3	6428.0	6140.4	5842.5	5513.6	5145.3	4754.3	4367.4	3939.1
2.5°	7077.6	6905.9	6672.1	6403.2	6111.5	5813.6	5486.7	5108.1	4717.0	4330.2	3899.8
0°	7063.2	6850.1	6614.2	6374.2	6063.9	5749.4	5424.6	5037.7	4648.8	4259.8	3831.6
-2.5°	6968.0	6742.5	6506.6	6246.0	5972.9	5656.3	5315.0	4936.3	4551.5	4168.8	3757.1
-5°	6895.6	6645.2	6394.9	6113.5	5838.4	5521.8	5168.1	4799.8	4423.3	4050.9	3653.6
-7.5°	6798.3	6541.8	6279.1	5985.3	5687.4	5364.6	5015.0	4646.7	4276.4	3906.0	3525.4
-10°	6601.8	6376.3	6130.1	5826.0	5511.5	5188.8	4841.2	4479.1	4108.8	3734.3	3351.6
-12.5°	6363.9	6126.0	5857.0	5577.7	5296.3	4996.3	4648.8	4292.9	3920.5	3544.0	3163.3
-15°	6055.6	5821.8	5546.7	5273.6	5002.6	4715.0	4408.8	4088.1	3709.5	3339.2	2958.5
-17.5°	5670.8	5451.5	5205.3	4944.6	4675.7	4386.0	4088.1	3817.1	3463.3	3115.7	2739.2
-20°	5257.0	5052.2	4830.8	4584.6	4315.7	4032.2	3750.9	3467.4	3161.2	2855.1	2505.4



REPORT NUMBER: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	4826.7	4619.8	4396.4	4166.7	3918.5	3655.7	3395.0	3124.0	2855.1	2577.8	2282.0
-25°	4330.2	4148.1	3943.3	3719.8	3498.5	3268.8	3020.6	2774.4	2544.7	2304.7	2062.7
-27.5°	3810.9	3643.3	3457.1	3262.6	3072.3	2879.9	2664.7	2437.1	2246.8	2048.2	1847.5
-30°	3264.7	3130.2	2979.2	2809.5	2662.6	2507.5	2327.5	2139.2	1965.4	1814.4	1653.0
-32.5°	2747.5	2633.7	2526.1	2414.4	2269.6	2149.6	2025.4	1886.8	1733.7	1591.0	1475.1
-35°	2302.7	2180.6	2135.1	2052.3	1948.9	1843.4	1752.3	1653.0	1537.2	1411.0	1315.8
-37.5°	1928.2	1855.8	1791.7	1746.1	1677.9	1593.0	1520.6	1448.2	1359.3	1264.1	1168.9
-40°	1636.5	1586.8	1516.5	1493.7	1450.3	1392.4	1317.9	1262.0	1202.0	1129.6	1048.9
-42.5°	1402.7	1365.5	1319.9	1280.6	1262.0	1220.6	1162.7	1108.9	1061.3	1011.7	949.6
-45°	1210.3	1185.5	1156.5	1121.3	1106.9	1073.7	1032.4	972.4	945.5	904.1	858.6
-47.5°	1055.1	1042.7	1022.0	999.3	978.6	953.8	916.5	879.3	842.0	815.1	780.0
-50°	933.1	924.8	912.4	893.8	866.9	850.3	825.5	792.4	757.2	734.5	709.6
-52.5°	835.8	827.6	819.3	804.8	784.1	767.6	746.9	720.0	691.0	668.2	647.6
-55°	761.3	748.9	742.7	730.3	713.8	695.1	676.5	657.9	633.1	612.4	591.7
-57.5°	703.4	686.9	678.6	668.2	651.7	633.1	618.6	600.0	583.4	560.7	542.0
-60°	657.9	639.3	622.7	612.4	597.9	579.3	564.8	550.3	533.8	515.2	492.4
-62.5°	620.7	597.9	575.1	562.7	548.3	531.7	517.2	502.7	486.2	467.6	446.9
-65°	585.5	558.6	529.6	517.2	502.7	486.2	467.6	457.2	442.7	426.2	405.5
-67.5°	542.0	513.1	488.3	473.8	459.3	444.8	428.3	417.9	403.4	382.7	362.1
-70°	477.9	459.3	442.7	430.3	417.9	405.5	388.9	372.4	355.8	337.2	318.6
-72.5°	397.2	391.0	388.9	382.7	368.3	353.8	337.2	320.7	306.2	291.7	277.2
-75°	320.7	324.8	329.0	326.9	312.4	297.9	283.4	269.0	258.6	246.2	233.8
-77.5°	254.5	258.6	262.7	262.7	252.4	244.1	233.8	223.4	215.2	204.8	192.4
-80°	196.5	202.8	209.0	213.1	204.8	198.6	190.3	182.1	173.8	165.5	157.2
-82.5°	149.0	155.2	161.4	165.5	159.3	155.2	149.0	142.8	136.5	128.3	122.1
-85°	107.6	111.7	115.9	117.9	113.8	109.7	105.5	101.4	97.2	91.0	86.9
-87.5°	62.1	64.1	66.2	68.3	64.1	60.0	57.9	53.8	51.7	47.6	45.5
-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: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-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°	51.7	47.6	43.4	41.4	37.2	31.0	26.9	22.8	18.6	14.5	12.4
85°	109.7	99.3	86.9	80.7	72.4	64.1	55.9	47.6	39.3	31.0	22.8
82.5°	188.3	175.9	163.4	149.0	130.3	107.6	84.8	70.3	57.9	45.5	35.2
80°	283.4	260.7	240.0	221.4	200.7	171.7	140.7	111.7	78.6	60.0	45.5
77.5°	393.1	366.2	337.2	306.2	273.1	233.8	198.6	161.4	122.1	82.8	57.9
75°	517.2	482.0	442.7	399.3	355.8	304.1	254.5	211.0	165.5	115.9	70.3
72.5°	655.8	612.4	564.8	506.9	438.6	378.6	318.6	260.7	206.9	146.9	95.2
70°	833.8	765.5	695.1	633.1	546.2	451.0	380.7	314.5	246.2	180.0	120.0
67.5°	1024.1	941.3	856.5	765.5	655.8	544.1	442.7	368.3	287.6	211.0	142.8
65°	1231.0	1127.5	1020.0	918.6	767.6	635.1	521.4	420.0	326.9	240.0	165.5
62.5°	1444.1	1322.0	1197.9	1065.5	891.7	728.2	595.8	477.9	364.1	266.9	186.2
60°	1671.7	1528.9	1377.9	1212.4	1009.6	829.6	666.2	537.9	403.4	293.8	209.0
57.5°	1911.6	1756.5	1578.6	1355.1	1131.7	926.9	746.9	591.7	438.6	318.6	225.5
55°	2172.3	1994.4	1799.9	1504.1	1251.7	1024.1	827.6	645.5	475.8	339.3	242.1
52.5°	2453.7	2246.8	2000.6	1661.3	1377.9	1123.4	902.0	693.1	511.0	362.1	256.5
50°	2768.2	2507.5	2176.5	1806.1	1487.5	1216.5	976.5	744.8	540.0	386.9	269.0
47.5°	3095.0	2813.7	2333.7	1940.6	1599.2	1307.5	1053.1	790.3	568.9	407.6	281.4
45°	3436.4	3026.8	2497.1	2060.6	1696.5	1390.3	1111.0	831.7	604.1	426.2	291.7
42.5°	3773.6	3188.1	2639.9	2180.6	1787.5	1464.8	1158.6	871.0	633.1	444.8	302.1
40°	3932.9	3310.2	2753.7	2263.4	1864.1	1531.0	1200.0	906.2	657.9	457.2	312.4
37.5°	3999.1	3384.7	2828.2	2342.0	1924.1	1566.1	1235.1	937.2	678.6	469.6	320.7
35°	4013.6	3411.6	2865.4	2395.8	1973.7	1599.2	1262.0	960.0	695.1	482.0	329.0
32.5°	3986.7	3403.3	2875.7	2414.4	2004.7	1624.1	1280.6	976.5	707.6	494.5	337.2
30°	3926.7	3359.9	2838.5	2412.3	2027.5	1638.6	1293.1	988.9	720.0	502.7	341.4
27.5°	3829.5	3283.3	2790.9	2414.4	2039.9	1644.8	1299.3	995.1	728.2	508.9	349.6
25°	3709.5	3179.9	2793.0	2410.2	2042.0	1646.8	1299.3	995.1	730.3	511.0	355.8
22.5°	3570.9	3179.9	2793.0	2404.0	2029.6	1642.7	1293.1	991.0	730.3	515.2	362.1
20°	3579.2	3181.9	2786.8	2391.6	2011.0	1630.3	1278.6	980.6	724.1	521.4	366.2
17.5°	3585.4	3177.8	2774.4	2375.1	1986.1	1609.6	1259.9	966.2	724.1	527.6	368.3
15°	3585.4	3165.4	2755.7	2350.2	1955.1	1580.6	1233.1	953.8	726.2	529.6	372.4
12.5°	3579.2	3142.6	2726.8	2317.1	1917.9	1545.5	1216.5	949.6	726.2	531.7	372.4
10°	3566.8	3111.6	2689.5	2275.8	1882.7	1533.0	1208.2	941.3	722.0	531.7	372.4
7.5°	3544.0	3074.4	2658.5	2250.9	1862.0	1518.6	1195.8	928.9	715.8	527.6	376.5
5°	3508.8	3053.7	2633.7	2222.0	1833.0	1508.2	1187.5	918.6	711.7	527.6	372.4
2.5°	3463.3	3028.8	2604.7	2184.7	1799.9	1473.0	1160.6	895.8	697.2	519.3	368.3
0°	3388.8	2979.2	2555.1	2133.0	1754.4	1437.9	1133.7	873.1	682.7	511.0	364.1
-2.5°	3320.6	2913.0	2490.9	2079.2	1711.0	1406.8	1113.1	860.7	676.5	508.9	362.1
-5°	3225.4	2822.0	2406.1	2008.9	1653.0	1375.8	1092.4	846.2	670.3	504.8	362.1
-7.5°	3119.9	2726.8	2317.1	1936.5	1595.1	1322.0	1053.1	823.4	655.8	496.5	360.0
-10°	2956.4	2584.0	2205.4	1853.7	1533.0	1274.4	1020.0	802.7	643.4	488.3	351.7
-12.5°	2782.6	2426.8	2077.2	1752.3	1462.7	1224.8	982.7	780.0	628.9	480.0	347.6
-15°	2598.5	2265.4	1942.7	1646.8	1386.1	1164.8	943.4	755.1	614.5	469.6	341.4
-17.5°	2406.1	2095.8	1804.1	1539.2	1309.6	1102.7	902.0	732.4	597.9	459.3	335.2
-20°	2203.4	1922.0	1663.4	1429.6	1228.9	1040.6	858.6	705.5	579.3	446.9	326.9



REPORT NUMBER: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2002.7	1750.3	1518.6	1322.0	1146.2	976.5	815.1	678.6	558.6	432.4	320.7
-25°	1824.8	1588.9	1390.3	1218.6	1065.5	914.4	769.6	651.7	535.8	417.9	312.4
-27.5°	1651.0	1450.3	1264.1	1121.3	986.9	854.4	726.2	622.7	513.1	401.4	304.1
-30°	1489.6	1317.9	1164.8	1026.2	912.4	800.7	688.9	593.8	488.3	384.8	293.8
-32.5°	1342.7	1204.1	1075.8	943.4	842.0	746.9	653.8	564.8	463.4	368.3	283.4
-35°	1206.2	1098.6	986.9	875.1	771.7	697.2	616.5	533.8	440.7	349.6	273.1
-37.5°	1084.1	997.2	908.2	813.1	724.1	649.6	581.4	502.7	417.9	333.1	262.7
-40°	978.6	908.2	829.6	753.1	678.6	608.3	546.2	471.7	395.2	320.7	252.4
-42.5°	881.3	827.6	763.4	699.3	633.1	571.0	511.0	438.6	372.4	306.2	242.1
-45°	806.9	753.1	701.4	643.4	587.6	533.8	473.8	409.6	351.7	289.6	231.7
-47.5°	736.5	688.9	641.4	593.8	548.3	498.6	438.6	384.8	329.0	275.2	223.4
-50°	674.5	628.9	587.6	546.2	506.9	459.3	403.4	360.0	310.3	260.7	213.1
-52.5°	616.5	577.2	535.8	502.7	469.6	422.1	376.5	335.2	291.7	244.1	202.8
-55°	564.8	527.6	490.3	459.3	428.3	386.9	349.6	314.5	273.1	231.7	192.4
-57.5°	515.2	484.1	448.9	420.0	388.9	355.8	324.8	291.7	254.5	219.3	182.1
-60°	469.6	440.7	409.6	380.7	353.8	326.9	297.9	271.0	237.9	204.8	171.7
-62.5°	424.1	399.3	372.4	343.4	322.7	297.9	275.2	248.3	221.4	192.4	153.1
-65°	382.7	360.0	335.2	310.3	291.7	273.1	252.4	227.6	204.8	177.9	136.5
-67.5°	341.4	320.7	300.0	279.3	262.7	248.3	227.6	209.0	190.3	161.4	120.0
-70°	302.1	285.5	266.9	250.3	237.9	221.4	206.9	190.3	173.8	140.7	101.4
-72.5°	264.8	248.3	233.8	221.4	211.0	196.5	184.1	171.7	149.0	117.9	84.8
-75°	221.4	211.0	202.8	192.4	182.1	171.7	161.4	146.9	124.1	95.2	66.2
-77.5°	182.1	175.9	169.6	161.4	153.1	144.8	132.4	117.9	99.3	74.5	53.8
-80°	149.0	142.8	138.6	130.3	124.1	115.9	103.4	91.0	72.4	57.9	43.4
-82.5°	113.8	109.7	105.5	101.4	95.2	86.9	74.5	64.1	53.8	43.4	33.1
-85°	80.7	78.6	74.5	70.3	64.1	57.9	49.7	43.4	37.2	29.0	22.8
-87.5°	41.4	39.3	37.2	35.2	33.1	29.0	24.8	20.7	18.6	14.5	10.3
-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: P722004
 CATALOG NUMBER: IFLD-M-SA4B-727-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	8.3	6.2	2.1	0.0
85°	16.6	10.3	4.1	0.0
82.5°	24.8	16.6	6.2	0.0
80°	33.1	20.7	10.3	0.0
77.5°	41.4	24.8	12.4	0.0
75°	49.7	31.0	14.5	0.0
72.5°	55.9	35.2	16.6	0.0
70°	66.2	41.4	18.6	0.0
67.5°	82.8	45.5	20.7	0.0
65°	97.2	49.7	22.8	0.0
62.5°	113.8	53.8	24.8	0.0
60°	128.3	57.9	26.9	0.0
57.5°	142.8	68.3	29.0	0.0
55°	155.2	76.5	31.0	0.0
52.5°	169.6	84.8	33.1	0.0
50°	182.1	93.1	35.2	0.0
47.5°	192.4	101.4	35.2	0.0
45°	200.7	107.6	37.2	0.0
42.5°	206.9	113.8	39.3	0.0
40°	213.1	120.0	41.4	0.0
37.5°	219.3	126.2	41.4	0.0
35°	225.5	132.4	43.4	0.0
32.5°	231.7	138.6	43.4	0.0
30°	235.9	142.8	45.5	0.0
27.5°	242.1	146.9	45.5	0.0
25°	244.1	151.0	47.6	0.0
22.5°	248.3	153.1	47.6	0.0
20°	252.4	157.2	47.6	0.0
17.5°	254.5	159.3	49.7	0.0
15°	254.5	161.4	51.7	0.0
12.5°	256.5	163.4	51.7	0.0
10°	256.5	167.6	49.7	0.0
7.5°	260.7	165.5	49.7	0.0
5°	258.6	165.5	49.7	0.0
2.5°	256.5	163.4	49.7	0.0
0°	254.5	163.4	49.7	0.0
-2.5°	254.5	163.4	49.7	0.0
-5°	254.5	163.4	49.7	0.0
-7.5°	252.4	165.5	49.7	0.0
-10°	248.3	165.5	49.7	0.0
-12.5°	246.2	159.3	49.7	0.0
-15°	244.1	157.2	49.7	0.0
-17.5°	240.0	155.2	47.6	0.0
-20°	235.9	153.1	47.6	0.0



REPORT NUMBER: P722004

CATALOG NUMBER: IFLD-M-SA4B-727-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	231.7	149.0	47.6	0.0
-25°	227.6	144.8	45.5	0.0
-27.5°	223.4	140.7	45.5	0.0
-30°	217.2	136.5	43.4	0.0
-32.5°	211.0	132.4	43.4	0.0
-35°	206.9	126.2	41.4	0.0
-37.5°	200.7	120.0	41.4	0.0
-40°	194.5	113.8	39.3	0.0
-42.5°	188.3	107.6	37.2	0.0
-45°	180.0	101.4	37.2	0.0
-47.5°	173.8	95.2	35.2	0.0
-50°	163.4	86.9	33.1	0.0
-52.5°	151.0	78.6	31.0	0.0
-55°	138.6	72.4	29.0	0.0
-57.5°	126.2	64.1	29.0	0.0
-60°	113.8	55.9	26.9	0.0
-62.5°	101.4	51.7	24.8	0.0
-65°	89.0	47.6	22.8	0.0
-67.5°	74.5	41.4	20.7	0.0
-70°	62.1	37.2	18.6	0.0
-72.5°	53.8	33.1	16.6	0.0
-75°	45.5	29.0	14.5	0.0
-77.5°	39.3	24.8	12.4	0.0
-80°	31.0	18.6	8.3	0.0
-82.5°	22.8	14.5	6.2	0.0
-85°	14.5	10.3	4.1	0.0
-87.5°	8.3	4.1	2.1	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)