

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: P722322

Luminaire Tested: **IFLD-M-SA4A-940-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722322
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-940-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

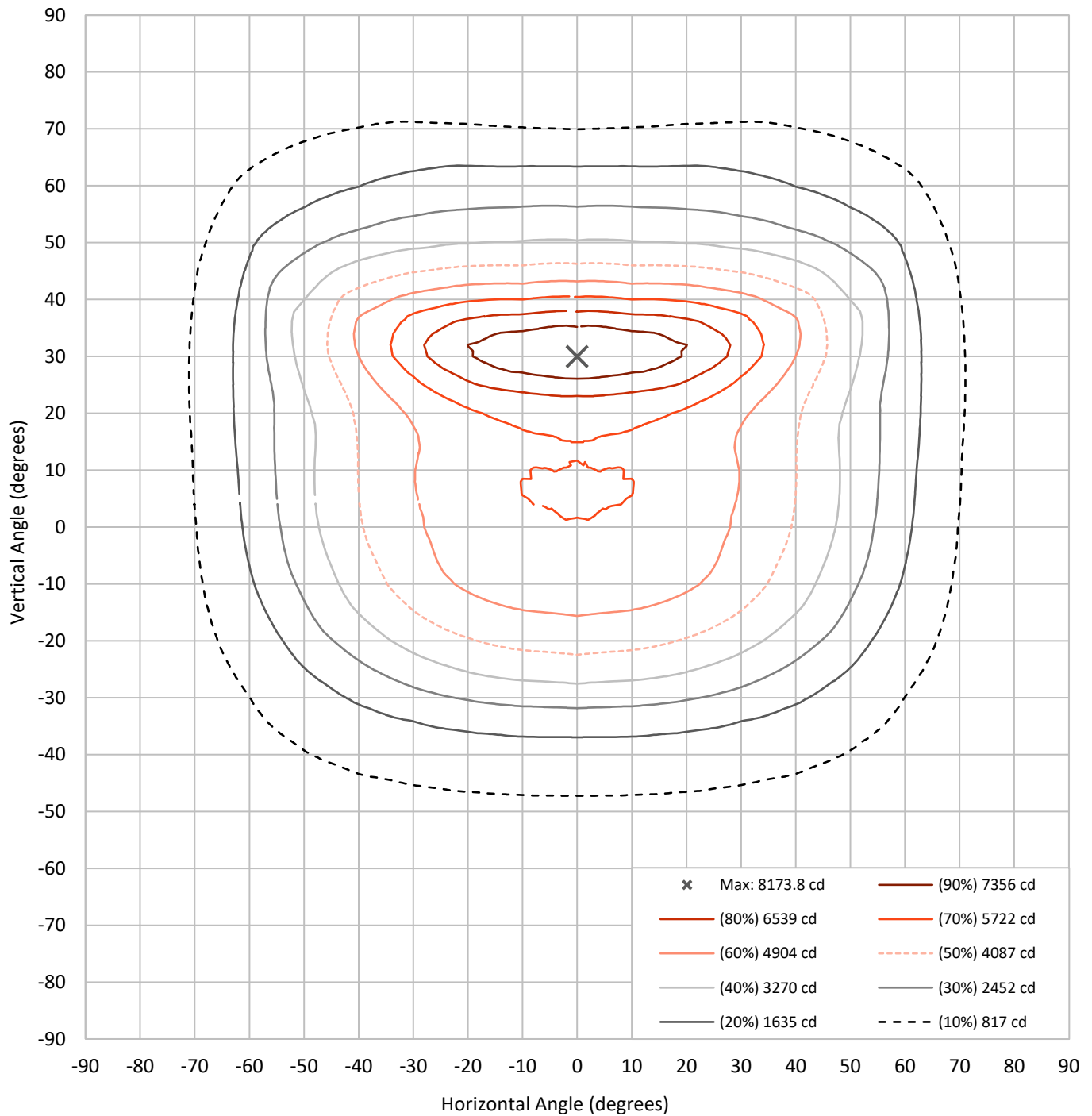
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	13644.1 lumens	Max Intensity:	8173.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	106.1 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	7934.2 lumens	Field Lumens:	12786.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

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



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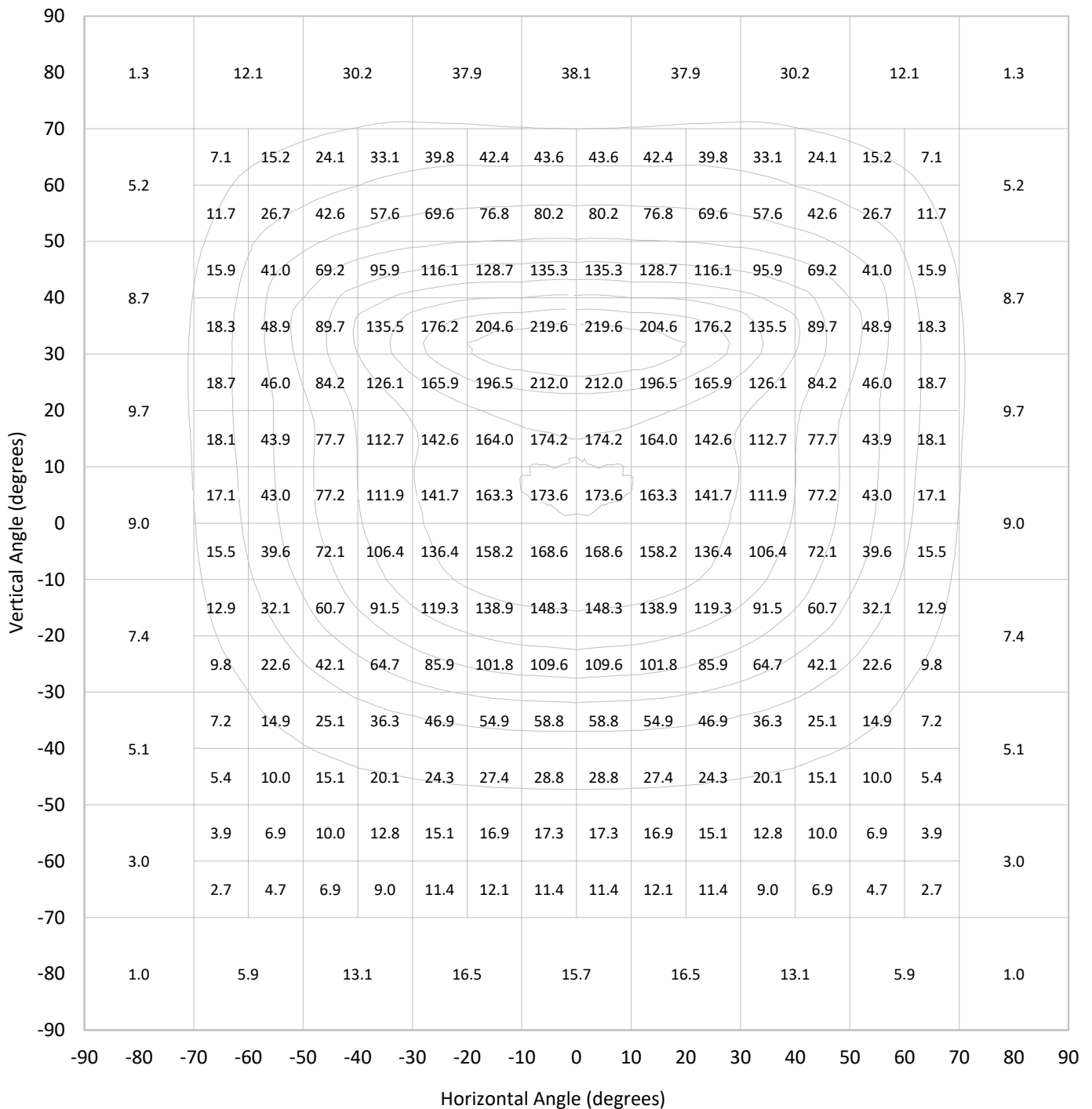
Iso-Candela Plot





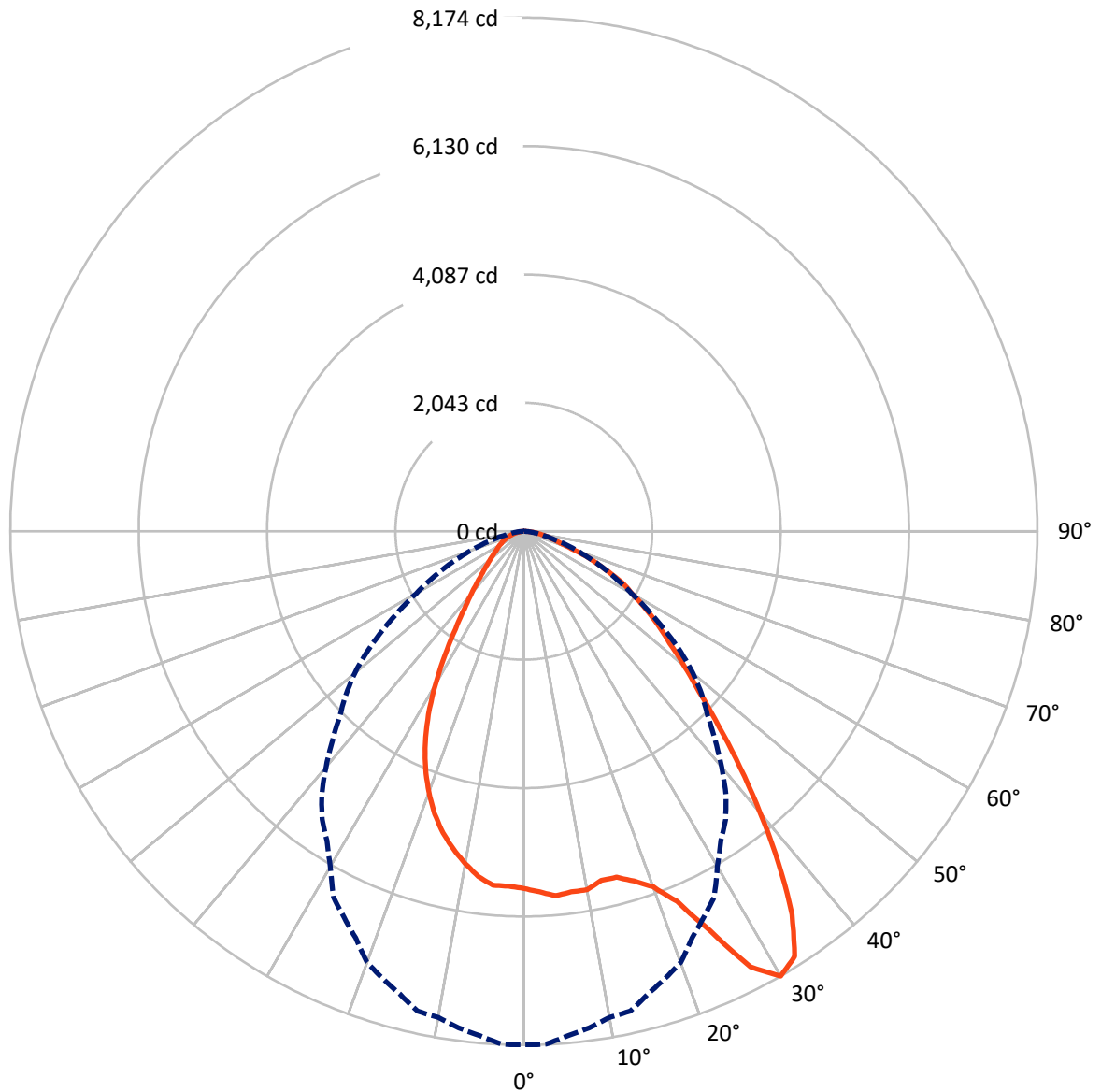
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Lumen Table



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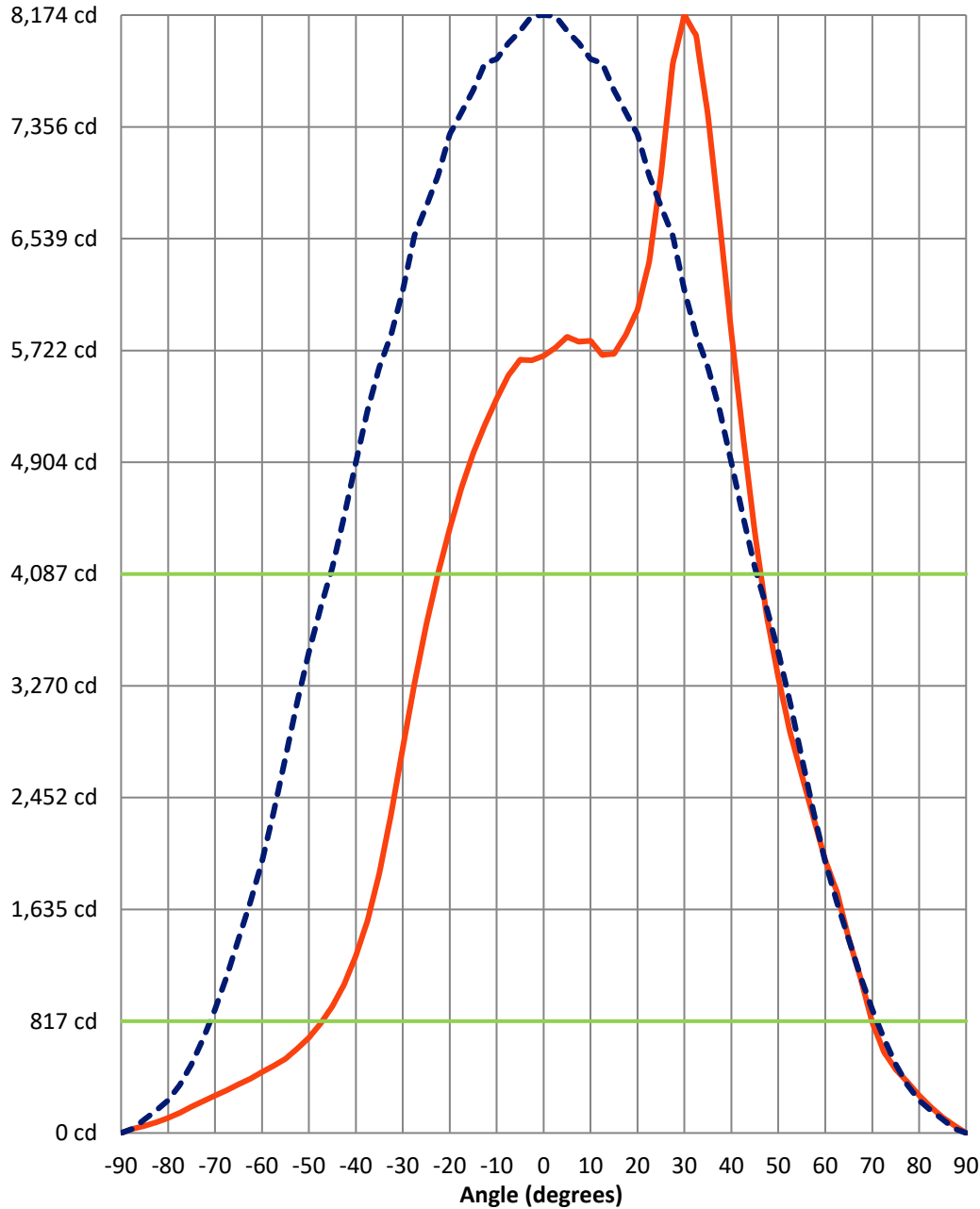
Luminous Intensity Polar Plot



— 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: 7934.2
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 12786.3
 Efficiency: 93.7%

Spill:
 Lumens: 857.8
 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°	54.9	56.4	57.8	57.8	56.4	56.4	56.4	54.9	56.4	56.4	56.4
85°	114.2	117.1	120.0	118.5	117.1	114.2	111.3	112.7	114.2	115.6	115.6
82.5°	189.3	193.7	196.6	195.1	192.2	189.3	186.5	187.9	190.8	192.2	192.2
80°	274.6	276.1	277.5	280.4	276.1	276.1	274.6	280.4	283.3	286.2	289.1
77.5°	372.9	374.4	374.4	375.8	377.3	378.7	378.7	388.8	396.0	400.4	404.7
75°	465.4	469.8	474.1	478.4	484.2	487.1	491.4	505.9	517.5	526.1	534.8
72.5°	592.6	598.4	605.6	615.7	625.9	633.1	643.2	660.6	673.6	682.2	692.4
70°	810.9	816.7	823.9	831.1	841.2	848.5	858.6	880.3	893.3	899.0	904.8
67.5°	1134.6	1149.1	1162.1	1147.7	1140.4	1130.3	1133.2	1153.4	1166.4	1175.1	1173.7
65°	1422.3	1432.4	1432.4	1431.0	1425.2	1412.2	1419.4	1444.0	1458.4	1465.6	1444.0
62.5°	1760.5	1760.5	1753.3	1764.8	1766.3	1757.6	1753.3	1754.7	1756.2	1760.5	1724.4
60°	1994.7	2009.1	2013.5	2023.6	2026.5	2026.5	2033.7	2039.5	2039.5	2030.8	1988.9
57.5°	2304.0	2331.4	2337.2	2330.0	2315.5	2296.8	2293.9	2285.2	2267.8	2250.5	2230.3
55°	2616.2	2630.6	2629.2	2624.9	2610.4	2588.7	2591.6	2580.1	2552.6	2530.9	2503.4
52.5°	2929.8	2964.5	2970.3	2961.6	2941.4	2918.3	2919.7	2906.7	2879.3	2856.1	2818.5
50°	3330.2	3359.1	3356.2	3341.8	3312.9	3295.5	3297.0	3272.4	3240.6	3233.4	3184.2
47.5°	3788.4	3821.7	3815.9	3795.6	3756.6	3749.4	3756.6	3724.8	3706.0	3690.1	3632.3
45°	4389.7	4428.7	4407.1	4368.0	4305.9	4313.1	4323.2	4317.4	4277.0	4235.0	4161.3
42.5°	5095.1	5119.6	5093.6	5054.6	4976.5	4991.0	4985.2	4950.5	4926.0	4856.6	4762.6
40°	5849.6	5903.0	5862.6	5801.9	5720.9	5742.6	5726.7	5681.9	5624.1	5537.4	5418.8
37.5°	6663.3	6705.3	6659.0	6588.2	6515.9	6508.7	6476.9	6407.5	6325.1	6229.7	6040.4
35°	7442.4	7550.8	7465.5	7352.8	7264.6	7231.4	7201.0	7040.6	6946.6	6792.0	6533.2
32.5°	8022.0	8101.5	7996.0	7878.9	7772.0	7725.7	7618.8	7428.0	7377.4	7052.1	6815.1
30°	8173.8	8168.0	8058.2	7968.5	7852.9	7821.1	7624.5	7462.6	7300.8	7000.1	6774.6
27.5°	7812.4	7776.3	7670.8	7592.7	7478.5	7441.0	7247.3	7160.6	6910.5	6656.1	6465.3
25°	7007.3	7026.1	6946.6	6907.6	6832.4	6751.5	6674.9	6557.8	6401.7	6179.1	6004.2
22.5°	6372.8	6397.4	6364.1	6317.9	6260.1	6215.3	6157.4	6066.4	5916.1	5778.7	5614.0
20°	6020.1	6012.9	5984.0	5949.3	5894.4	5862.6	5799.0	5722.4	5606.7	5488.2	5310.4
17.5°	5835.1	5790.3	5762.8	5749.8	5720.9	5680.5	5605.3	5527.2	5437.6	5303.2	5173.1
15°	5697.8	5705.0	5683.3	5673.2	5650.1	5593.7	5517.1	5453.5	5332.1	5264.2	5145.7
12.5°	5689.1	5681.9	5683.3	5679.0	5650.1	5577.8	5538.8	5457.9	5379.8	5290.2	5154.3
10°	5791.8	5715.1	5720.9	5741.2	5694.9	5637.1	5595.2	5507.0	5433.3	5319.1	5184.7
7.5°	5786.0	5746.9	5758.5	5725.3	5739.7	5668.9	5611.1	5522.9	5430.4	5309.0	5187.6
5°	5820.7	5761.4	5751.3	5754.2	5718.0	5664.6	5586.5	5502.7	5415.9	5280.1	5155.8
2.5°	5741.2	5749.8	5703.6	5686.2	5681.9	5592.3	5520.0	5439.1	5349.5	5229.5	5118.2
0°	5681.9	5697.8	5650.1	5625.5	5624.1	5547.5	5501.2	5408.7	5345.1	5245.4	5111.0
-2.5°	5650.1	5668.9	5674.7	5629.9	5586.5	5527.2	5449.2	5349.5	5245.4	5129.8	5014.1
-5°	5653.0	5615.4	5599.5	5614.0	5576.4	5517.1	5430.4	5342.2	5239.6	5115.3	4970.8
-7.5°	5538.8	5501.2	5498.3	5491.1	5482.4	5426.1	5353.8	5258.4	5154.3	5038.7	4904.3
-10°	5368.2	5340.8	5333.6	5326.3	5303.2	5270.0	5202.0	5115.3	5021.4	4905.7	4762.6
-12.5°	5178.9	5165.9	5138.4	5119.6	5096.5	5057.5	4992.4	4912.9	4819.0	4716.4	4593.5
-15°	4969.3	4944.7	4917.3	4901.4	4868.1	4821.9	4756.8	4683.1	4580.5	4479.3	4363.7
-17.5°	4716.4	4686.0	4655.7	4651.3	4628.2	4557.4	4496.7	4407.1	4317.4	4220.6	4107.9
-20°	4418.6	4376.7	4356.5	4344.9	4313.1	4261.1	4196.0	4113.6	4026.9	3934.4	3804.3



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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°	4089.1	4052.9	4018.2	3996.6	3969.1	3928.6	3866.5	3794.2	3708.9	3604.8	3484.9
-25°	3714.7	3664.1	3642.4	3617.9	3603.4	3565.8	3505.1	3438.6	3350.5	3249.3	3135.1
-27.5°	3286.9	3246.4	3234.8	3200.1	3182.8	3143.8	3093.2	3031.0	2950.1	2854.7	2760.7
-30°	2814.2	2789.6	2770.8	2736.2	2723.2	2681.2	2648.0	2596.0	2522.2	2454.3	2379.1
-32.5°	2328.6	2304.0	2298.2	2282.3	2273.6	2246.2	2208.6	2171.0	2111.7	2061.2	2000.4
-35°	1897.8	1880.5	1881.9	1880.5	1871.8	1851.6	1805.3	1795.2	1751.8	1705.6	1666.6
-37.5°	1553.8	1555.3	1553.8	1552.4	1540.8	1532.1	1498.9	1485.9	1459.9	1415.1	1391.9
-40°	1295.1	1298.0	1296.5	1293.6	1280.6	1276.3	1254.6	1237.3	1227.2	1195.4	1170.8
-42.5°	1085.5	1089.8	1088.4	1086.9	1078.3	1076.8	1065.3	1045.0	1039.2	1020.5	994.4
-45°	926.5	925.1	922.2	925.1	920.7	916.4	909.2	896.2	888.9	880.3	858.6
-47.5°	800.8	802.2	799.3	799.3	793.5	789.2	786.3	777.6	771.8	764.6	751.6
-50°	696.7	702.5	701.0	699.6	695.2	692.4	692.4	683.7	675.0	672.1	663.4
-52.5°	615.7	620.1	621.5	624.4	625.9	627.3	623.0	614.3	599.8	598.4	594.1
-55°	542.0	555.0	563.7	569.5	575.3	579.6	570.9	559.4	544.9	539.1	537.7
-57.5°	491.4	504.4	514.6	523.2	530.5	537.7	529.0	517.5	504.4	497.2	495.8
-60°	445.2	456.7	466.9	478.4	488.5	500.1	495.8	487.1	479.9	474.1	468.3
-62.5°	396.0	407.6	419.2	433.6	446.6	458.2	459.6	458.2	456.7	458.2	448.1
-65°	355.6	361.4	368.6	384.5	398.9	411.9	419.2	423.5	430.7	438.0	427.8
-67.5°	312.2	319.4	328.1	339.7	351.2	359.9	370.0	381.6	393.2	404.7	397.5
-70°	273.2	279.0	286.2	292.0	299.2	305.0	313.7	326.7	339.7	351.2	348.3
-72.5°	232.7	238.5	242.8	245.7	250.1	252.9	257.3	268.8	277.5	283.3	283.3
-75°	192.2	198.0	202.4	203.8	206.7	208.1	211.0	215.4	219.7	221.1	222.6
-77.5°	147.4	153.2	157.5	160.4	163.3	166.2	167.7	170.6	172.0	172.0	173.4
-80°	109.9	114.2	117.1	121.4	122.9	125.8	128.6	130.1	131.5	131.5	133.0
-82.5°	78.1	80.9	83.8	86.7	89.6	91.1	94.0	95.4	96.8	98.3	99.7
-85°	52.0	54.9	57.8	60.7	62.2	63.6	65.0	66.5	67.9	69.4	70.8
-87.5°	30.4	31.8	33.2	36.1	37.6	40.5	41.9	40.5	41.9	41.9	41.9
-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°	56.4	56.4	56.4	56.4	54.9	52.0	50.6	47.7	44.8	41.9	39.0
85°	117.1	118.5	118.5	118.5	115.6	114.2	109.9	105.5	99.7	91.1	83.8
82.5°	195.1	196.6	196.6	195.1	192.2	187.9	182.1	174.9	163.3	151.8	141.7
80°	293.4	294.9	294.9	293.4	286.2	279.0	271.7	263.1	248.6	232.7	215.4
77.5°	410.5	413.4	413.4	409.1	398.9	390.3	378.7	364.2	342.6	319.4	296.3
75°	546.4	553.6	555.0	550.7	537.7	521.8	503.0	478.4	445.2	416.3	388.8
72.5°	703.9	711.1	716.9	711.1	692.4	670.7	643.2	614.3	581.1	542.0	495.8
70°	910.6	917.8	922.2	903.4	870.1	834.0	800.8	767.5	728.5	680.8	630.2
67.5°	1170.8	1163.6	1154.9	1117.3	1075.4	1032.0	985.8	936.6	886.0	835.4	776.2
65°	1420.8	1400.6	1381.8	1337.0	1283.5	1227.2	1173.7	1118.7	1058.0	994.4	938.1
62.5°	1683.9	1640.5	1594.3	1539.4	1484.4	1422.3	1368.8	1303.8	1235.8	1157.8	1085.5
60°	1942.6	1890.6	1844.3	1776.4	1704.1	1620.3	1562.5	1498.9	1419.4	1335.6	1250.3
57.5°	2192.7	2136.3	2085.7	2026.5	1948.4	1857.4	1793.8	1711.4	1627.5	1522.0	1435.3
55°	2458.6	2402.3	2361.8	2295.3	2210.0	2126.2	2056.8	1970.1	1853.0	1740.3	1633.3
52.5°	2763.6	2718.8	2675.5	2607.5	2504.9	2419.6	2343.0	2246.2	2123.3	1984.5	1855.9
50°	3104.7	3081.6	3035.4	2955.9	2838.8	2763.6	2662.4	2533.8	2402.3	2256.3	2095.8
47.5°	3557.2	3519.6	3454.5	3367.8	3269.5	3156.8	3020.9	2870.6	2684.1	2522.2	2351.7
45°	4097.7	4028.4	3944.5	3827.4	3706.0	3578.8	3430.0	3239.2	2989.1	2778.1	2598.8
42.5°	4683.1	4589.2	4475.0	4321.8	4164.2	4008.1	3847.7	3587.5	3275.3	3032.5	2830.1
40°	5294.5	5174.6	5031.5	4808.9	4634.0	4433.1	4249.5	3860.7	3528.2	3265.2	3049.8
37.5°	5892.9	5741.2	5501.2	5230.9	5027.1	4862.4	4459.1	4042.8	3745.1	3456.0	3237.7
35°	6351.1	6222.5	5799.0	5518.6	5343.7	5083.5	4579.1	4152.7	3837.6	3597.6	3258.0
32.5°	6622.9	6290.4	5918.9	5635.6	5491.1	5064.7	4587.7	4184.5	3880.9	3612.1	3205.9
30°	6562.2	6160.3	5835.1	5598.1	5284.4	4901.4	4506.8	4135.3	3840.5	3515.2	3148.1
27.5°	6196.5	5885.7	5595.2	5348.0	5040.1	4696.1	4331.9	4005.2	3730.6	3415.5	3068.6
25°	5783.1	5501.2	5285.9	5070.5	4778.5	4450.4	4129.5	3893.9	3617.9	3307.1	2964.5
22.5°	5402.9	5200.6	5031.5	4806.0	4521.2	4235.0	4035.6	3791.3	3508.0	3192.9	2857.6
20°	5160.1	5022.8	4829.1	4580.5	4356.5	4177.2	3956.1	3697.4	3405.4	3075.8	2766.5
17.5°	5043.0	4884.0	4668.7	4506.8	4334.8	4138.2	3891.0	3616.4	3305.7	3022.3	2776.6
15°	4982.3	4814.7	4673.0	4514.0	4320.3	4113.6	3839.0	3554.3	3305.7	3044.0	2783.9
12.5°	4995.3	4850.8	4696.1	4522.7	4314.5	4093.4	3844.8	3580.3	3323.0	3059.9	2785.3
10°	5035.8	4884.0	4719.3	4527.0	4317.4	4099.2	3860.7	3596.2	3331.7	3067.2	2782.4
7.5°	5050.3	4885.5	4709.1	4515.5	4310.2	4096.3	3863.6	3600.5	3333.1	3065.7	2773.7
5°	5005.5	4856.6	4686.0	4490.9	4290.0	4081.8	3852.0	3594.7	3321.5	3051.3	2752.1
2.5°	4944.7	4824.8	4661.4	4473.5	4269.7	4061.6	3833.2	3568.7	3295.5	3025.2	2724.6
0°	4934.6	4785.7	4621.0	4453.3	4236.5	4016.8	3789.9	3519.6	3247.8	2976.1	2676.9
-2.5°	4868.1	4710.6	4545.8	4363.7	4172.9	3951.7	3713.3	3448.7	3179.9	2912.5	2624.9
-5°	4817.5	4642.7	4467.8	4271.2	4078.9	3857.8	3610.6	3353.3	3090.3	2830.1	2552.6
-7.5°	4749.6	4570.4	4386.8	4181.6	3973.4	3747.9	3503.7	3246.4	2987.7	2728.9	2463.0
-10°	4612.3	4454.8	4282.7	4070.3	3850.6	3625.1	3382.3	3129.3	2870.6	2609.0	2341.6
-12.5°	4446.1	4279.9	4092.0	3896.8	3700.2	3490.7	3247.8	2999.2	2739.0	2476.0	2210.0
-15°	4230.7	4067.4	3875.1	3684.3	3495.0	3294.1	3080.2	2856.1	2591.6	2332.9	2066.9
-17.5°	3961.9	3808.7	3636.6	3454.5	3266.6	3064.3	2856.1	2666.8	2419.6	2176.8	1913.7
-20°	3672.8	3529.7	3375.0	3203.0	3015.1	2817.1	2620.5	2422.5	2208.6	1994.7	1750.4



REPORT NUMBER: P722322
 CATALOG NUMBER: IFLD-M-SA4A-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°	3372.1	3227.6	3071.5	2911.1	2737.6	2554.0	2371.9	2182.6	1994.7	1801.0	1594.3
-25°	3025.2	2898.0	2754.9	2598.8	2444.2	2283.7	2110.3	1938.3	1777.9	1610.2	1441.1
-27.5°	2662.4	2545.4	2415.3	2279.4	2146.4	2012.0	1861.7	1702.7	1569.7	1431.0	1290.8
-30°	2280.9	2186.9	2081.4	1962.9	1860.2	1751.8	1626.1	1494.6	1373.1	1267.6	1154.9
-32.5°	1919.5	1840.0	1764.8	1686.8	1585.6	1501.8	1415.1	1318.2	1211.3	1111.5	1030.6
-35°	1608.7	1523.5	1491.7	1433.8	1361.6	1287.9	1224.3	1154.9	1073.9	985.8	919.3
-37.5°	1347.1	1296.5	1251.7	1219.9	1172.2	1113.0	1062.4	1011.8	949.6	883.1	816.7
-40°	1143.3	1108.6	1059.5	1043.6	1013.2	972.8	920.7	881.7	839.8	789.2	732.8
-42.5°	980.0	954.0	922.2	894.7	881.7	852.8	812.3	774.7	741.5	706.8	663.4
-45°	845.6	828.2	808.0	783.4	773.3	750.2	721.3	679.3	660.6	631.6	599.8
-47.5°	737.2	728.5	714.0	698.1	683.7	666.3	640.3	614.3	588.3	569.5	544.9
-50°	651.9	646.1	637.4	624.4	605.6	594.1	576.7	553.6	529.0	513.1	495.8
-52.5°	583.9	578.2	572.4	562.3	547.8	536.2	521.8	503.0	482.8	466.9	452.4
-55°	531.9	523.2	518.9	510.2	498.7	485.7	472.6	459.6	442.3	427.8	413.4
-57.5°	491.4	479.9	474.1	466.9	455.3	442.3	432.2	419.2	407.6	391.7	378.7
-60°	459.6	446.6	435.1	427.8	417.7	404.7	394.6	384.5	372.9	359.9	344.0
-62.5°	433.6	417.7	401.8	393.2	383.0	371.5	361.4	351.2	339.7	326.7	312.2
-65°	409.1	390.3	370.0	361.4	351.2	339.7	326.7	319.4	309.3	297.8	283.3
-67.5°	378.7	358.5	341.1	331.0	320.9	310.8	299.2	292.0	281.9	267.4	252.9
-70°	333.9	320.9	309.3	300.6	292.0	283.3	271.7	260.2	248.6	235.6	222.6
-72.5°	277.5	273.2	271.7	267.4	257.3	247.2	235.6	224.0	213.9	203.8	193.7
-75°	224.0	226.9	229.8	228.4	218.3	208.1	198.0	187.9	180.7	172.0	163.3
-77.5°	177.8	180.7	183.6	183.6	176.3	170.6	163.3	156.1	150.3	143.1	134.4
-80°	137.3	141.7	146.0	148.9	143.1	138.8	133.0	127.2	121.4	115.6	109.9
-82.5°	104.1	108.4	112.7	115.6	111.3	108.4	104.1	99.7	95.4	89.6	85.3
-85°	75.2	78.1	80.9	82.4	79.5	76.6	73.7	70.8	67.9	63.6	60.7
-87.5°	43.4	44.8	46.3	47.7	44.8	41.9	40.5	37.6	36.1	33.2	31.8
-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-SA4A-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°	36.1	33.2	30.4	28.9	26.0	21.7	18.8	15.9	13.0	10.1	8.7
85°	76.6	69.4	60.7	56.4	50.6	44.8	39.0	33.2	27.5	21.7	15.9
82.5°	131.5	122.9	114.2	104.1	91.1	75.2	59.3	49.1	40.5	31.8	24.6
80°	198.0	182.1	167.7	154.7	140.2	120.0	98.3	78.1	54.9	41.9	31.8
77.5°	274.6	255.8	235.6	213.9	190.8	163.3	138.8	112.7	85.3	57.8	40.5
75°	361.4	336.8	309.3	279.0	248.6	212.5	177.8	147.4	115.6	80.9	49.1
72.5°	458.2	427.8	394.6	354.1	306.4	264.5	222.6	182.1	144.5	102.6	66.5
70°	582.5	534.8	485.7	442.3	381.6	315.1	266.0	219.7	172.0	125.8	83.8
67.5°	715.5	657.7	598.4	534.8	458.2	380.1	309.3	257.3	200.9	147.4	99.7
65°	860.0	787.7	712.6	641.8	536.2	443.7	364.2	293.4	228.4	167.7	115.6
62.5°	1008.9	923.6	836.9	744.4	623.0	508.8	416.3	333.9	254.4	186.5	130.1
60°	1167.9	1068.2	962.6	847.0	705.4	579.6	465.4	375.8	281.9	205.2	146.0
57.5°	1335.6	1227.2	1102.8	946.7	790.6	647.5	521.8	413.4	306.4	222.6	157.5
55°	1517.7	1393.4	1257.5	1050.8	874.5	715.5	578.2	451.0	332.4	237.0	169.1
52.5°	1714.3	1569.7	1397.7	1160.7	962.6	784.9	630.2	484.2	357.0	252.9	179.2
50°	1934.0	1751.8	1520.6	1261.8	1039.2	849.9	682.2	520.3	377.3	270.3	187.9
47.5°	2162.3	1965.8	1630.4	1355.8	1117.3	913.5	735.7	552.1	397.5	284.7	196.6
45°	2400.8	2114.6	1744.6	1439.6	1185.2	971.3	776.2	581.1	422.1	297.8	203.8
42.5°	2636.4	2227.4	1844.3	1523.5	1248.8	1023.3	809.4	608.5	442.3	310.8	211.0
40°	2747.7	2312.7	1923.8	1581.3	1302.3	1069.6	838.3	633.1	459.6	319.4	218.3
37.5°	2794.0	2364.7	1975.9	1636.2	1344.2	1094.2	862.9	654.8	474.1	328.1	224.0
35°	2804.1	2383.5	2001.9	1673.8	1378.9	1117.3	881.7	670.7	485.7	336.8	229.8
32.5°	2785.3	2377.7	2009.1	1686.8	1400.6	1134.6	894.7	682.2	494.3	345.5	235.6
30°	2743.4	2347.3	1983.1	1685.3	1416.5	1144.8	903.4	690.9	503.0	351.2	238.5
27.5°	2675.5	2293.9	1949.9	1686.8	1425.2	1149.1	907.7	695.2	508.8	355.6	244.3
25°	2591.6	2221.6	1951.3	1683.9	1426.6	1150.5	907.7	695.2	510.2	357.0	248.6
22.5°	2494.8	2221.6	1951.3	1679.6	1417.9	1147.7	903.4	692.4	510.2	359.9	252.9
20°	2500.6	2223.0	1947.0	1670.9	1404.9	1139.0	893.3	685.1	505.9	364.2	255.8
17.5°	2504.9	2220.1	1938.3	1659.3	1387.6	1124.5	880.3	675.0	505.9	368.6	257.3
15°	2504.9	2211.5	1925.3	1642.0	1365.9	1104.3	861.5	666.3	507.3	370.0	260.2
12.5°	2500.6	2195.6	1905.0	1618.9	1339.9	1079.7	849.9	663.4	507.3	371.5	260.2
10°	2491.9	2173.9	1879.0	1589.9	1315.3	1071.0	844.1	657.7	504.4	371.5	260.2
7.5°	2476.0	2147.9	1857.4	1572.6	1300.9	1060.9	835.4	649.0	500.1	368.6	263.1
5°	2451.4	2133.4	1840.0	1552.4	1280.6	1053.7	829.7	641.8	497.2	368.6	260.2
2.5°	2419.6	2116.1	1819.8	1526.4	1257.5	1029.1	810.9	625.9	487.1	362.8	257.3
0°	2367.6	2081.4	1785.1	1490.2	1225.7	1004.6	792.1	610.0	477.0	357.0	254.4
-2.5°	2319.9	2035.1	1740.3	1452.6	1195.4	982.9	777.6	601.3	472.6	355.6	252.9
-5°	2253.4	1971.5	1681.0	1403.5	1154.9	961.2	763.2	591.2	468.3	352.7	252.9
-7.5°	2179.7	1905.0	1618.9	1352.9	1114.4	923.6	735.7	575.3	458.2	346.9	251.5
-10°	2065.5	1805.3	1540.8	1295.1	1071.0	890.4	712.6	560.8	449.5	341.1	245.7
-12.5°	1944.1	1695.5	1451.2	1224.3	1021.9	855.7	686.6	544.9	439.4	335.3	242.8
-15°	1815.4	1582.7	1357.2	1150.5	968.4	813.8	659.1	527.6	429.3	328.1	238.5
-17.5°	1681.0	1464.2	1260.4	1075.4	914.9	770.4	630.2	511.7	417.7	320.9	234.2
-20°	1539.4	1342.8	1162.1	998.8	858.6	727.0	599.8	492.9	404.7	312.2	228.4



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 CATALOG NUMBER: IFLD-M-SA4A-940-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1399.2	1222.8	1060.9	923.6	800.8	682.2	569.5	474.1	390.3	302.1	224.0
-25°	1274.9	1110.1	971.3	851.3	744.4	638.9	537.7	455.3	374.4	292.0	218.3
-27.5°	1153.4	1013.2	883.1	783.4	689.5	597.0	507.3	435.1	358.5	280.4	212.5
-30°	1040.7	920.7	813.8	716.9	637.4	559.4	481.3	414.8	341.1	268.8	205.2
-32.5°	938.1	841.2	751.6	659.1	588.3	521.8	456.7	394.6	323.8	257.3	198.0
-35°	842.7	767.5	689.5	611.4	539.1	487.1	430.7	372.9	307.9	244.3	190.8
-37.5°	757.4	696.7	634.5	568.0	505.9	453.9	406.2	351.2	292.0	232.7	183.6
-40°	683.7	634.5	579.6	526.1	474.1	425.0	381.6	329.6	276.1	224.0	176.3
-42.5°	615.7	578.2	533.4	488.5	442.3	398.9	357.0	306.4	260.2	213.9	169.1
-45°	563.7	526.1	490.0	449.5	410.5	372.9	331.0	286.2	245.7	202.4	161.9
-47.5°	514.6	481.3	448.1	414.8	383.0	348.3	306.4	268.8	229.8	192.2	156.1
-50°	471.2	439.4	410.5	381.6	354.1	320.9	281.9	251.5	216.8	182.1	148.9
-52.5°	430.7	403.3	374.4	351.2	328.1	294.9	263.1	234.2	203.8	170.6	141.7
-55°	394.6	368.6	342.6	320.9	299.2	270.3	244.3	219.7	190.8	161.9	134.4
-57.5°	359.9	338.2	313.7	293.4	271.7	248.6	226.9	203.8	177.8	153.2	127.2
-60°	328.1	307.9	286.2	266.0	247.2	228.4	208.1	189.3	166.2	143.1	120.0
-62.5°	296.3	279.0	260.2	239.9	225.5	208.1	192.2	173.4	154.7	134.4	107.0
-65°	267.4	251.5	234.2	216.8	203.8	190.8	176.3	159.0	143.1	124.3	95.4
-67.5°	238.5	224.0	209.6	195.1	183.6	173.4	159.0	146.0	133.0	112.7	83.8
-70°	211.0	199.5	186.5	174.9	166.2	154.7	144.5	133.0	121.4	98.3	70.8
-72.5°	185.0	173.4	163.3	154.7	147.4	137.3	128.6	120.0	104.1	82.4	59.3
-75°	154.7	147.4	141.7	134.4	127.2	120.0	112.7	102.6	86.7	66.5	46.3
-77.5°	127.2	122.9	118.5	112.7	107.0	101.2	92.5	82.4	69.4	52.0	37.6
-80°	104.1	99.7	96.8	91.1	86.7	80.9	72.3	63.6	50.6	40.5	30.4
-82.5°	79.5	76.6	73.7	70.8	66.5	60.7	52.0	44.8	37.6	30.4	23.1
-85°	56.4	54.9	52.0	49.1	44.8	40.5	34.7	30.4	26.0	20.2	15.9
-87.5°	28.9	27.5	26.0	24.6	23.1	20.2	17.3	14.5	13.0	10.1	7.2
-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-SA4A-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.8	4.3	1.4	0.0
85°	11.6	7.2	2.9	0.0
82.5°	17.3	11.6	4.3	0.0
80°	23.1	14.5	7.2	0.0
77.5°	28.9	17.3	8.7	0.0
75°	34.7	21.7	10.1	0.0
72.5°	39.0	24.6	11.6	0.0
70°	46.3	28.9	13.0	0.0
67.5°	57.8	31.8	14.5	0.0
65°	67.9	34.7	15.9	0.0
62.5°	79.5	37.6	17.3	0.0
60°	89.6	40.5	18.8	0.0
57.5°	99.7	47.7	20.2	0.0
55°	108.4	53.5	21.7	0.0
52.5°	118.5	59.3	23.1	0.0
50°	127.2	65.0	24.6	0.0
47.5°	134.4	70.8	24.6	0.0
45°	140.2	75.2	26.0	0.0
42.5°	144.5	79.5	27.5	0.0
40°	148.9	83.8	28.9	0.0
37.5°	153.2	88.2	28.9	0.0
35°	157.5	92.5	30.4	0.0
32.5°	161.9	96.8	30.4	0.0
30°	164.8	99.7	31.8	0.0
27.5°	169.1	102.6	31.8	0.0
25°	170.6	105.5	33.2	0.0
22.5°	173.4	107.0	33.2	0.0
20°	176.3	109.9	33.2	0.0
17.5°	177.8	111.3	34.7	0.0
15°	177.8	112.7	36.1	0.0
12.5°	179.2	114.2	36.1	0.0
10°	179.2	117.1	34.7	0.0
7.5°	182.1	115.6	34.7	0.0
5°	180.7	115.6	34.7	0.0
2.5°	179.2	114.2	34.7	0.0
0°	177.8	114.2	34.7	0.0
-2.5°	177.8	114.2	34.7	0.0
-5°	177.8	114.2	34.7	0.0
-7.5°	176.3	115.6	34.7	0.0
-10°	173.4	115.6	34.7	0.0
-12.5°	172.0	111.3	34.7	0.0
-15°	170.6	109.9	34.7	0.0
-17.5°	167.7	108.4	33.2	0.0
-20°	164.8	107.0	33.2	0.0



REPORT NUMBER: P722322

CATALOG NUMBER: IFLD-M-SA4A-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	161.9	104.1	33.2	0.0
-25°	159.0	101.2	31.8	0.0
-27.5°	156.1	98.3	31.8	0.0
-30°	151.8	95.4	30.4	0.0
-32.5°	147.4	92.5	30.4	0.0
-35°	144.5	88.2	28.9	0.0
-37.5°	140.2	83.8	28.9	0.0
-40°	135.9	79.5	27.5	0.0
-42.5°	131.5	75.2	26.0	0.0
-45°	125.8	70.8	26.0	0.0
-47.5°	121.4	66.5	24.6	0.0
-50°	114.2	60.7	23.1	0.0
-52.5°	105.5	54.9	21.7	0.0
-55°	96.8	50.6	20.2	0.0
-57.5°	88.2	44.8	20.2	0.0
-60°	79.5	39.0	18.8	0.0
-62.5°	70.8	36.1	17.3	0.0
-65°	62.2	33.2	15.9	0.0
-67.5°	52.0	28.9	14.5	0.0
-70°	43.4	26.0	13.0	0.0
-72.5°	37.6	23.1	11.6	0.0
-75°	31.8	20.2	10.1	0.0
-77.5°	27.5	17.3	8.7	0.0
-80°	21.7	13.0	5.8	0.0
-82.5°	15.9	10.1	4.3	0.0
-85°	10.1	7.2	2.9	0.0
-87.5°	5.8	2.9	1.4	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)