

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: P721963

Luminaire Tested: **IFLD-S-SA2E-722-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721963
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-722-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

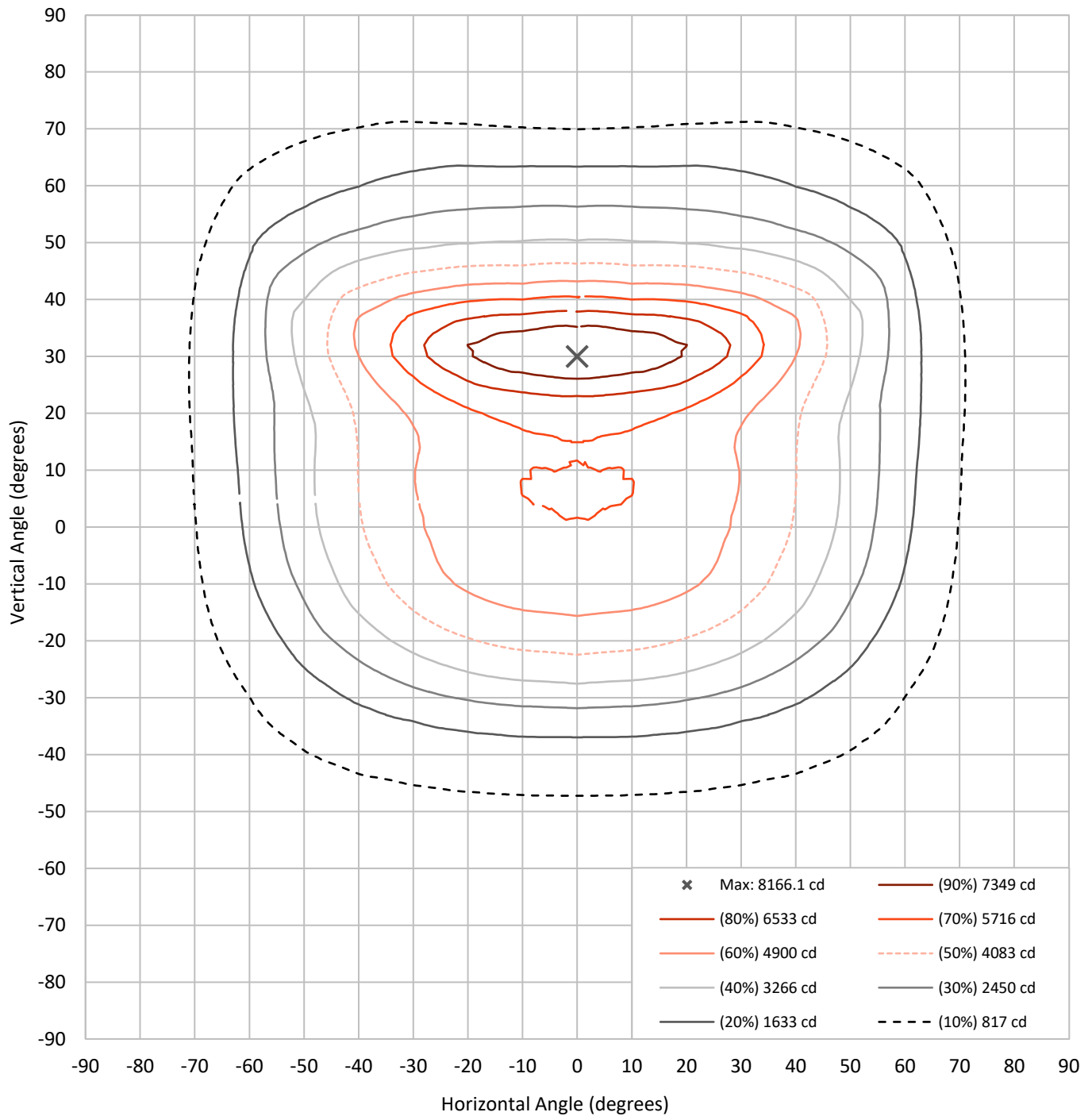
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	13631.3 lumens	Max Intensity:	8166.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	87.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	7926.8 lumens	Field Lumens:	12774.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 156.2
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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CATALOG NUMBER: IFLD-S-SA2E-722-U-76

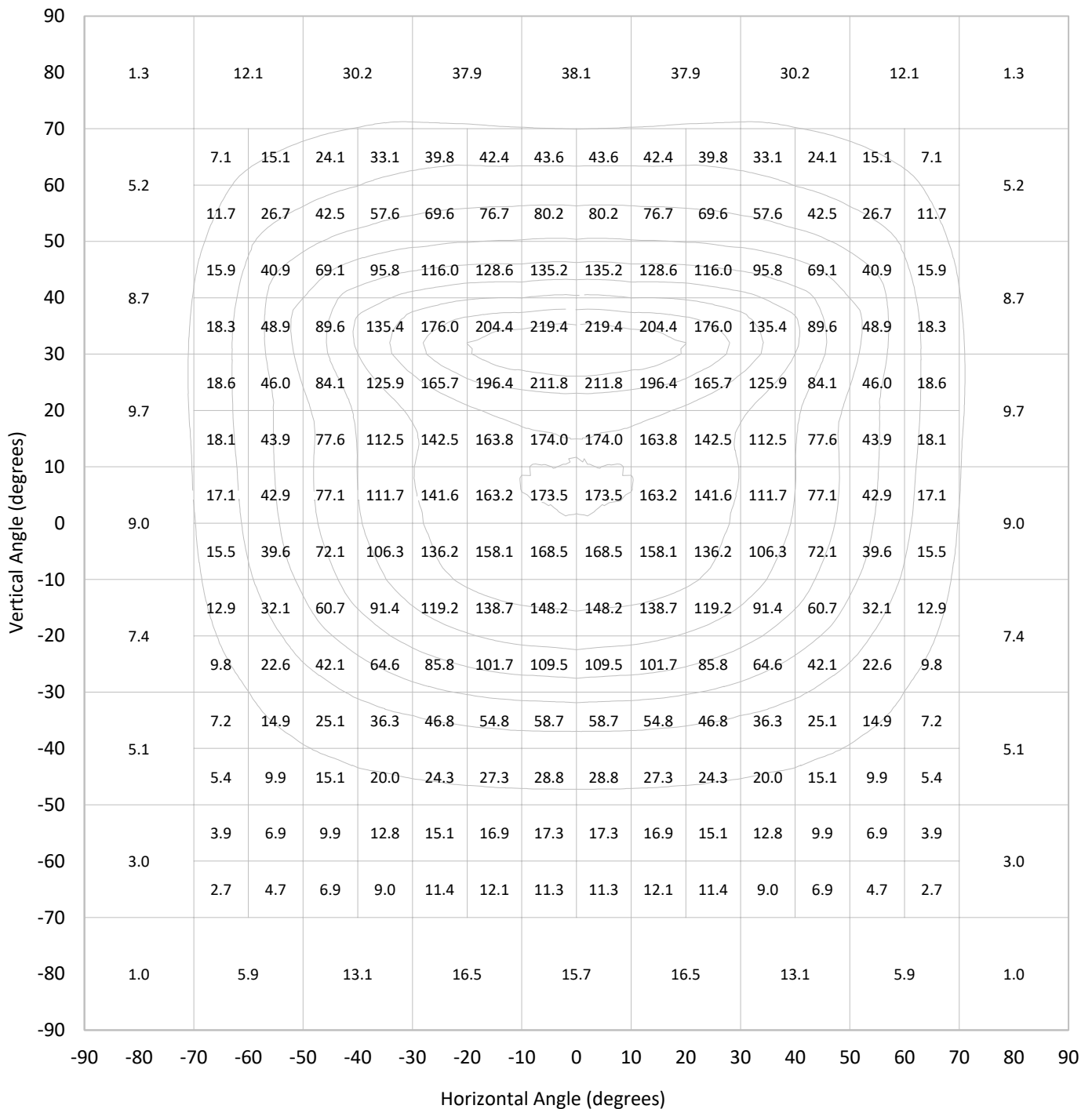
Iso-Candela Plot





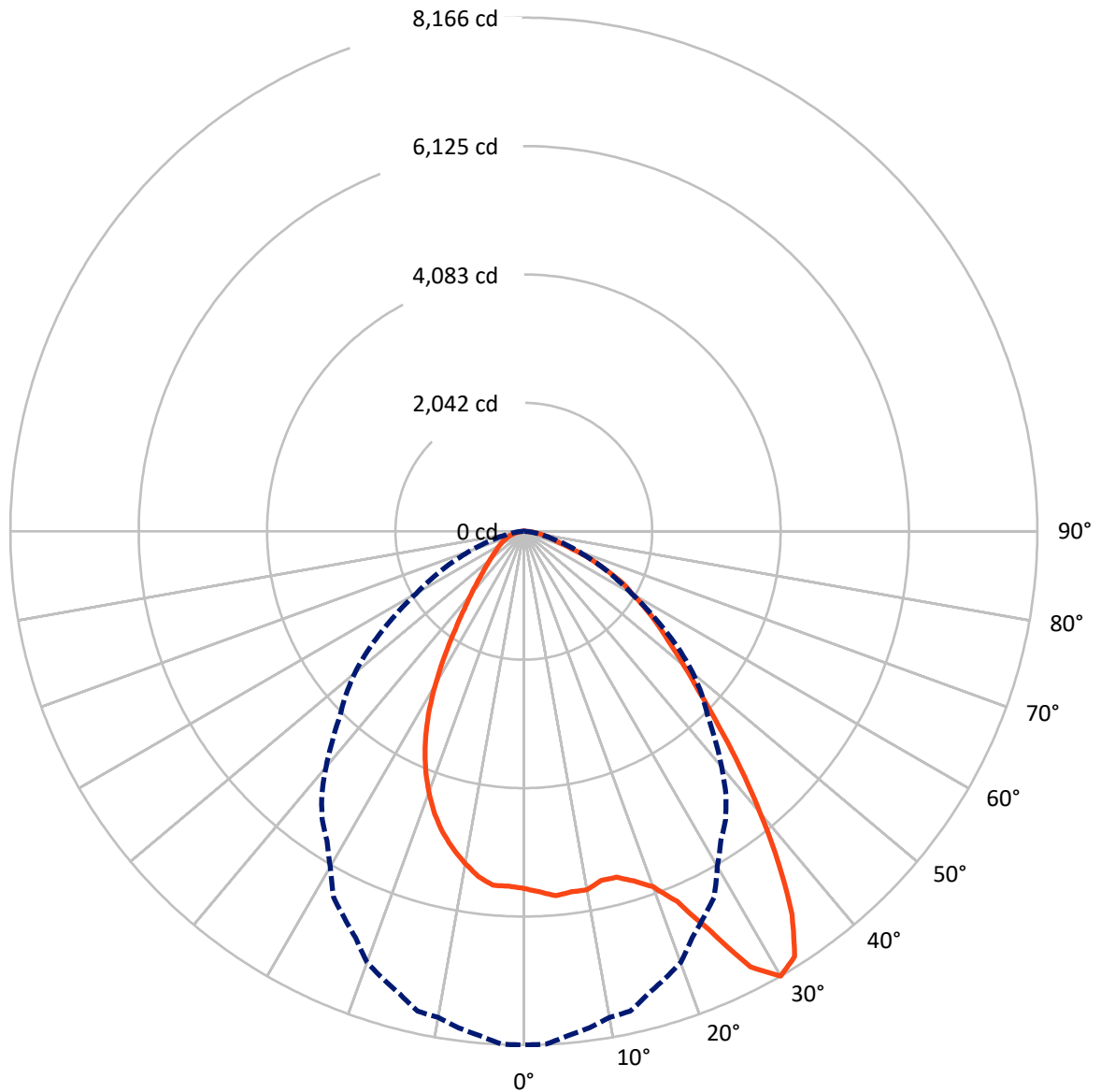
REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-U-76

Lumen Table



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CATALOG NUMBER: IFLD-S-SA2E-722-U-76

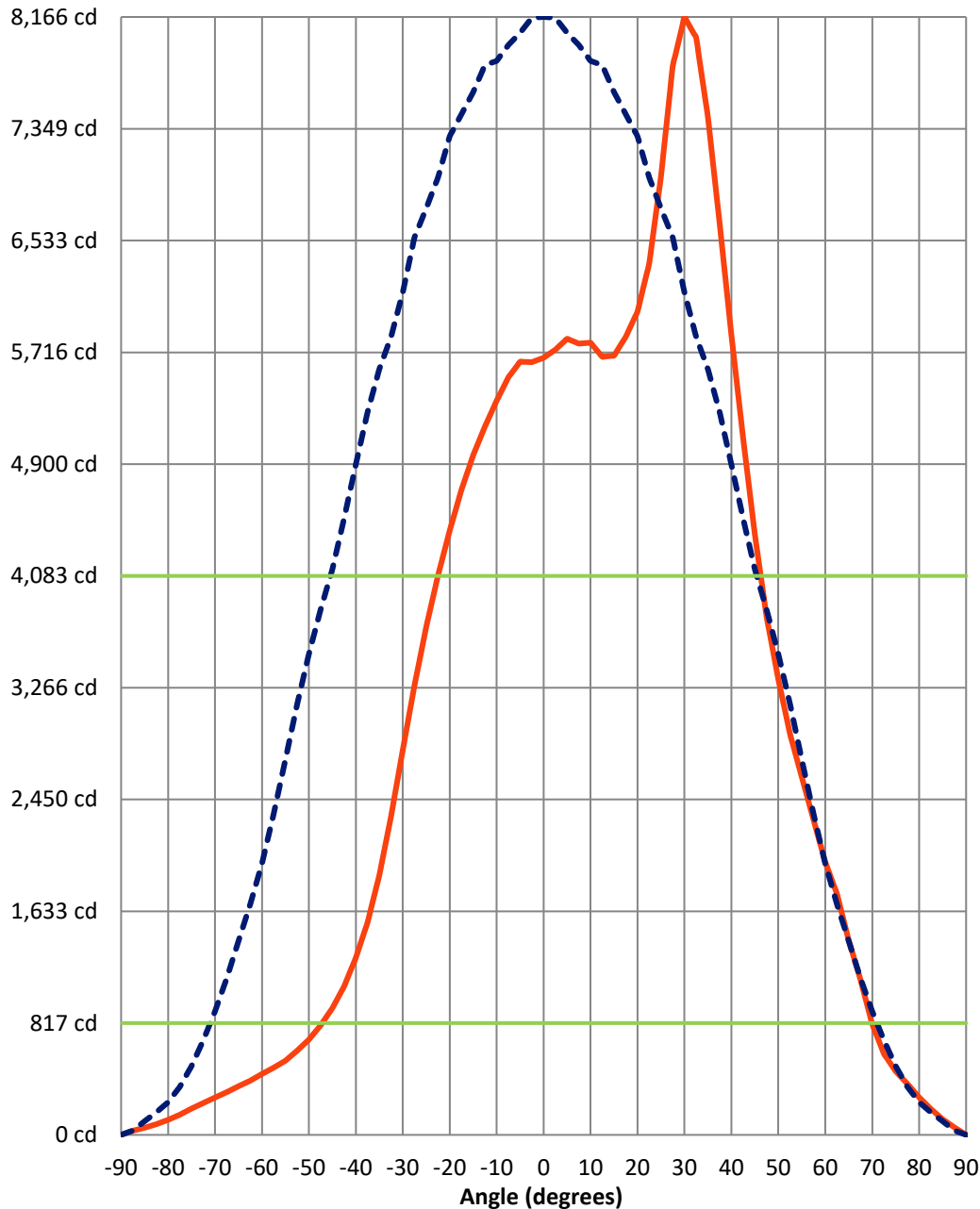
Luminous Intensity Polar Plot



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

REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 7926.8
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 12774.3
 Efficiency: 93.7%

Spill:
 Lumens: 857
 Efficiency: 6.3%

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



REPORT NUMBER: P721963
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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	56.3	57.8	57.8	56.3	56.3	56.3	54.9	56.3	56.3	56.3
85°	114.1	117.0	119.9	118.4	117.0	114.1	111.2	112.6	114.1	115.5	115.5
82.5°	189.2	193.5	196.4	194.9	192.1	189.2	186.3	187.7	190.6	192.1	192.1
80°	274.4	275.8	277.3	280.1	275.8	275.8	274.4	280.1	283.0	285.9	288.8
77.5°	372.6	374.0	374.0	375.5	376.9	378.3	378.3	388.5	395.7	400.0	404.3
75°	465.0	469.3	473.6	478.0	483.8	486.6	491.0	505.4	517.0	525.6	534.3
72.5°	592.1	597.8	605.1	615.2	625.3	632.5	642.6	659.9	672.9	681.6	691.7
70°	810.1	815.9	823.1	830.3	840.4	847.7	857.8	879.4	892.4	898.2	904.0
67.5°	1133.6	1148.0	1161.0	1146.6	1139.4	1129.2	1132.1	1152.4	1165.4	1174.0	1172.6
65°	1420.9	1431.1	1431.1	1429.6	1423.8	1410.8	1418.1	1442.6	1457.0	1464.3	1442.6
62.5°	1758.9	1758.9	1751.6	1763.2	1764.6	1756.0	1751.6	1753.1	1754.5	1758.9	1722.8
60°	1992.8	2007.2	2011.6	2021.7	2024.6	2024.6	2031.8	2037.6	2037.6	2028.9	1987.0
57.5°	2301.8	2329.3	2335.0	2327.8	2313.4	2294.6	2291.7	2283.0	2265.7	2248.4	2228.2
55°	2613.7	2628.2	2626.7	2622.4	2608.0	2586.3	2589.2	2577.6	2550.2	2528.5	2501.1
52.5°	2927.1	2961.8	2967.5	2958.9	2938.6	2915.5	2917.0	2904.0	2876.6	2853.4	2815.9
50°	3327.1	3356.0	3353.1	3338.6	3309.8	3292.4	3293.9	3269.3	3237.6	3230.3	3181.2
47.5°	3784.9	3818.1	3812.3	3792.1	3753.1	3745.9	3753.1	3721.3	3702.5	3686.7	3628.9
45°	4385.6	4424.6	4402.9	4363.9	4301.8	4309.1	4319.2	4313.4	4273.0	4231.1	4157.4
42.5°	5090.3	5114.8	5088.8	5049.9	4971.9	4986.3	4980.5	4945.9	4921.3	4852.0	4758.2
40°	5844.1	5897.5	5857.1	5796.4	5715.6	5737.2	5721.3	5676.6	5618.8	5532.2	5413.8
37.5°	6657.1	6699.0	6652.7	6582.0	6509.8	6502.6	6470.8	6401.5	6319.2	6223.9	6034.7
35°	7435.4	7543.7	7458.5	7345.9	7257.8	7224.6	7194.3	7034.0	6940.1	6785.6	6527.1
32.5°	8014.5	8093.9	7988.5	7871.5	7764.7	7718.5	7611.6	7421.0	7370.4	7045.5	6808.7
30°	8166.1	8160.3	8050.6	7961.1	7845.5	7813.8	7617.4	7455.6	7293.9	6993.5	6768.3
27.5°	7805.1	7769.0	7663.6	7585.6	7471.5	7434.0	7240.5	7153.8	6904.0	6649.9	6459.2
25°	7000.8	7019.5	6940.1	6901.1	6826.0	6745.2	6668.6	6551.7	6395.7	6173.3	5998.6
22.5°	6366.8	6391.4	6358.2	6312.0	6254.2	6209.4	6151.7	6060.7	5910.5	5773.3	5608.7
20°	6014.5	6007.3	5978.4	5943.7	5888.8	5857.1	5793.5	5717.0	5601.5	5483.1	5305.4
17.5°	5829.6	5784.9	5757.4	5744.4	5715.6	5675.1	5600.0	5522.1	5432.5	5298.2	5168.3
15°	5692.5	5699.7	5678.0	5667.9	5644.8	5588.5	5511.9	5448.4	5327.1	5259.2	5140.8
12.5°	5683.8	5676.6	5678.0	5673.7	5644.8	5572.6	5533.6	5452.7	5374.8	5285.2	5149.5
10°	5786.3	5709.8	5715.6	5735.8	5689.6	5631.8	5589.9	5501.8	5428.2	5314.1	5179.8
7.5°	5780.5	5741.6	5753.1	5719.9	5734.3	5663.6	5605.8	5517.7	5425.3	5304.0	5182.7
5°	5815.2	5756.0	5745.9	5748.8	5712.7	5659.2	5581.3	5497.5	5410.9	5275.1	5150.9
2.5°	5735.8	5744.4	5698.2	5680.9	5676.6	5587.0	5514.8	5434.0	5344.4	5224.6	5113.4
0°	5676.6	5692.5	5644.8	5620.3	5618.8	5542.3	5496.1	5403.6	5340.1	5240.5	5106.2
-2.5°	5644.8	5663.6	5669.3	5624.6	5581.3	5522.1	5444.1	5344.4	5240.5	5124.9	5009.4
-5°	5647.7	5610.1	5594.3	5608.7	5571.2	5511.9	5425.3	5337.2	5234.7	5110.5	4966.1
-7.5°	5533.6	5496.1	5493.2	5486.0	5477.3	5421.0	5348.8	5253.5	5149.5	5034.0	4899.7
-10°	5363.2	5335.8	5328.6	5321.3	5298.2	5265.0	5197.1	5110.5	5016.6	4901.1	4758.2
-12.5°	5174.0	5161.0	5133.6	5114.8	5091.7	5052.7	4987.8	4908.3	4814.5	4711.9	4589.2
-15°	4964.7	4940.1	4912.7	4896.8	4863.6	4817.4	4752.4	4678.7	4576.2	4475.1	4359.6
-17.5°	4711.9	4681.6	4651.3	4647.0	4623.9	4553.1	4492.4	4402.9	4313.4	4216.6	4104.0
-20°	4414.5	4372.6	4352.4	4340.8	4309.1	4257.1	4192.1	4109.8	4023.1	3930.7	3800.7



REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	4085.2	4049.1	4014.5	3992.8	3965.4	3924.9	3862.8	3790.6	3705.4	3601.5	3481.6
-25°	3711.2	3660.7	3639.0	3614.5	3600.0	3562.5	3501.8	3435.4	3347.3	3246.2	3132.1
-27.5°	3283.8	3243.3	3231.8	3197.1	3179.8	3140.8	3090.3	3028.2	2947.3	2852.0	2758.1
-30°	2811.6	2787.0	2768.2	2733.6	2720.6	2678.7	2645.5	2593.5	2519.9	2452.0	2376.9
-32.5°	2326.4	2301.8	2296.0	2280.2	2271.5	2244.1	2206.5	2169.0	2109.8	2059.2	1998.6
-35°	1896.0	1878.7	1880.2	1878.7	1870.0	1849.8	1803.6	1793.5	1750.2	1704.0	1665.0
-37.5°	1552.4	1553.8	1552.4	1550.9	1539.4	1530.7	1497.5	1484.5	1458.5	1413.7	1390.6
-40°	1293.9	1296.8	1295.3	1292.4	1279.4	1275.1	1253.4	1236.1	1226.0	1194.2	1169.7
-42.5°	1084.5	1088.8	1087.4	1085.9	1077.3	1075.8	1064.3	1044.0	1038.3	1019.5	993.5
-45°	925.6	924.2	921.3	924.2	919.9	915.5	908.3	895.3	888.1	879.4	857.8
-47.5°	800.0	801.4	798.6	798.6	792.8	788.5	785.6	776.9	771.1	763.9	750.9
-50°	696.0	701.8	700.4	698.9	694.6	691.7	691.7	683.0	674.4	671.5	662.8
-52.5°	615.2	619.5	620.9	623.8	625.3	626.7	622.4	613.7	599.3	597.8	593.5
-55°	541.5	554.5	563.2	569.0	574.7	579.1	570.4	558.8	544.4	538.6	537.2
-57.5°	491.0	504.0	514.1	522.7	530.0	537.2	528.5	517.0	504.0	496.8	495.3
-60°	444.8	456.3	466.4	478.0	488.1	499.6	495.3	486.6	479.4	473.6	467.9
-62.5°	395.7	407.2	418.8	433.2	446.2	457.8	459.2	457.8	456.3	457.8	447.7
-65°	355.2	361.0	368.2	384.1	398.6	411.6	418.8	423.1	430.3	437.5	427.4
-67.5°	311.9	319.1	327.8	339.4	350.9	359.6	369.7	381.2	392.8	404.3	397.1
-70°	272.9	278.7	285.9	291.7	298.9	304.7	313.4	326.4	339.4	350.9	348.0
-72.5°	232.5	238.3	242.6	245.5	249.8	252.7	257.0	268.6	277.3	283.0	283.0
-75°	192.1	197.8	202.2	203.6	206.5	207.9	210.8	215.2	219.5	220.9	222.4
-77.5°	147.3	153.1	157.4	160.3	163.2	166.1	167.5	170.4	171.8	171.8	173.3
-80°	109.7	114.1	117.0	121.3	122.7	125.6	128.5	130.0	131.4	131.4	132.9
-82.5°	78.0	80.9	83.8	86.6	89.5	91.0	93.9	95.3	96.8	98.2	99.6
-85°	52.0	54.9	57.8	60.7	62.1	63.5	65.0	66.4	67.9	69.3	70.8
-87.5°	30.3	31.8	33.2	36.1	37.5	40.4	41.9	40.4	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



REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-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°	56.3	56.3	56.3	56.3	54.9	52.0	50.5	47.7	44.8	41.9	39.0
85°	117.0	118.4	118.4	118.4	115.5	114.1	109.7	105.4	99.6	91.0	83.8
82.5°	194.9	196.4	196.4	194.9	192.1	187.7	182.0	174.7	163.2	151.6	141.5
80°	293.1	294.6	294.6	293.1	285.9	278.7	271.5	262.8	248.4	232.5	215.2
77.5°	410.1	413.0	413.0	408.7	398.6	389.9	378.3	363.9	342.2	319.1	296.0
75°	545.9	553.1	554.5	550.2	537.2	521.3	502.5	478.0	444.8	415.9	388.5
72.5°	703.3	710.5	716.2	710.5	691.7	670.0	642.6	613.7	580.5	541.5	495.3
70°	909.8	917.0	921.3	902.5	869.3	833.2	800.0	766.8	727.8	680.1	629.6
67.5°	1169.7	1162.5	1153.8	1116.3	1074.4	1031.1	984.8	935.7	885.2	834.7	775.5
65°	1419.5	1399.3	1380.5	1335.7	1282.3	1226.0	1172.6	1117.7	1057.0	993.5	937.2
62.5°	1682.3	1639.0	1592.8	1537.9	1483.0	1420.9	1367.5	1302.5	1234.7	1156.7	1084.5
60°	1940.8	1888.8	1842.6	1774.7	1702.5	1618.8	1561.0	1497.5	1418.1	1334.3	1249.1
57.5°	2190.6	2134.3	2083.8	2024.6	1946.6	1855.6	1792.1	1709.8	1626.0	1520.6	1433.9
55°	2456.3	2400.0	2359.6	2293.2	2208.0	2124.2	2054.9	1968.2	1851.3	1738.6	1631.8
52.5°	2761.0	2716.3	2672.9	2605.1	2502.5	2417.3	2340.8	2244.1	2121.3	1982.7	1854.2
50°	3101.8	3078.7	3032.5	2953.1	2836.1	2761.0	2659.9	2531.4	2400.0	2254.2	2093.9
47.5°	3553.8	3516.3	3451.3	3364.6	3266.4	3153.8	3018.1	2867.9	2681.6	2519.9	2349.5
45°	4093.9	4024.6	3940.8	3823.9	3702.5	3575.5	3426.7	3236.1	2986.3	2775.5	2596.4
42.5°	4678.7	4584.9	4470.8	4317.7	4160.3	4004.4	3844.1	3584.1	3272.2	3029.6	2827.5
40°	5289.6	5169.7	5026.7	4804.4	4629.6	4428.9	4245.5	3857.1	3524.9	3262.1	3047.0
37.5°	5887.4	5735.8	5496.1	5226.0	5022.4	4857.8	4454.9	4039.0	3741.5	3452.7	3234.7
35°	6345.2	6216.6	5793.5	5513.4	5338.7	5078.7	4574.8	4148.8	3834.0	3594.2	3254.9
32.5°	6616.6	6284.5	5913.4	5630.4	5486.0	5060.0	4583.4	4180.5	3877.3	3608.7	3202.9
30°	6556.0	6154.6	5829.6	5592.8	5279.5	4896.8	4502.6	4131.4	3836.8	3511.9	3145.1
27.5°	6190.7	5880.2	5589.9	5343.0	5035.4	4691.7	4327.8	4001.5	3727.1	3412.3	3065.7
25°	5777.7	5496.1	5280.9	5065.7	4774.0	4446.2	4125.7	3890.3	3614.5	3304.0	2961.8
22.5°	5397.9	5195.7	5026.7	4801.5	4517.0	4231.1	4031.8	3787.7	3504.7	3189.9	2854.9
20°	5155.3	5018.1	4824.6	4576.2	4352.4	4173.3	3952.4	3693.9	3402.2	3072.9	2763.9
17.5°	5038.3	4879.5	4664.3	4502.6	4330.7	4134.3	3887.4	3613.0	3302.5	3019.5	2774.0
15°	4977.6	4810.1	4668.6	4509.8	4316.3	4109.8	3835.4	3550.9	3302.5	3041.2	2781.2
12.5°	4990.6	4846.2	4691.7	4518.4	4310.5	4089.6	3841.2	3576.9	3319.9	3057.1	2782.7
10°	5031.1	4879.5	4714.8	4522.8	4313.4	4095.3	3857.1	3592.8	3328.5	3064.3	2779.8
7.5°	5045.5	4880.9	4704.7	4511.2	4306.2	4092.4	3860.0	3597.1	3330.0	3062.8	2771.1
5°	5000.8	4852.0	4681.6	4486.7	4285.9	4078.0	3848.4	3591.4	3318.4	3048.4	2749.5
2.5°	4940.1	4820.2	4657.1	4469.3	4265.7	4057.8	3829.6	3565.4	3292.4	3022.4	2722.0
0°	4930.0	4781.3	4616.6	4449.1	4232.5	4013.0	3786.3	3516.3	3244.8	2973.3	2674.4
-2.5°	4863.6	4706.2	4541.5	4359.6	4169.0	3948.0	3709.8	3445.5	3176.9	2909.8	2622.4
-5°	4813.0	4638.3	4463.6	4267.2	4075.1	3854.2	3607.2	3350.2	3087.4	2827.5	2550.2
-7.5°	4745.2	4566.1	4382.7	4177.6	3969.7	3744.4	3500.4	3243.3	2984.9	2726.4	2460.7
-10°	4608.0	4450.6	4278.7	4066.5	3847.0	3621.7	3379.1	3126.4	2867.9	2606.5	2339.4
-12.5°	4441.9	4275.8	4088.1	3893.2	3696.8	3487.4	3244.8	2996.4	2736.5	2473.7	2208.0
-15°	4226.7	4063.6	3871.5	3680.9	3491.7	3291.0	3077.3	2853.4	2589.2	2330.7	2065.0
-17.5°	3958.1	3805.1	3633.2	3451.3	3263.6	3061.4	2853.4	2664.3	2417.3	2174.7	1911.9
-20°	3669.3	3526.4	3371.9	3200.0	3012.3	2814.5	2618.1	2420.2	2206.5	1992.8	1748.7



REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3369.0	3224.6	3068.6	2908.3	2735.0	2551.6	2369.7	2180.5	1992.8	1799.3	1592.8
-25°	3022.4	2895.3	2752.4	2596.4	2441.9	2281.6	2108.3	1936.5	1776.2	1608.7	1439.7
-27.5°	2659.9	2543.0	2413.0	2277.3	2144.4	2010.1	1859.9	1701.1	1568.2	1429.6	1289.5
-30°	2278.7	2184.9	2079.4	1961.0	1858.5	1750.2	1624.6	1493.1	1371.8	1266.4	1153.8
-32.5°	1917.7	1838.3	1763.2	1685.2	1584.1	1500.4	1413.7	1317.0	1210.1	1110.5	1029.6
-35°	1607.2	1522.0	1490.3	1432.5	1360.3	1286.7	1223.1	1153.8	1072.9	984.8	918.4
-37.5°	1345.9	1295.3	1250.5	1218.8	1171.1	1111.9	1061.4	1010.8	948.7	882.3	815.9
-40°	1142.2	1107.6	1058.5	1042.6	1012.3	971.8	919.9	880.9	839.0	788.5	732.1
-42.5°	979.1	953.1	921.3	893.9	880.9	852.0	811.6	774.0	740.8	706.1	662.8
-45°	844.8	827.4	807.2	782.7	772.6	749.5	720.6	678.7	659.9	631.1	599.3
-47.5°	736.5	727.8	713.4	697.5	683.0	665.7	639.7	613.7	587.7	569.0	544.4
-50°	651.3	645.5	636.8	623.8	605.1	593.5	576.2	553.1	528.5	512.6	495.3
-52.5°	583.4	577.6	571.8	561.7	547.3	535.7	521.3	502.5	482.3	466.4	452.0
-55°	531.4	522.7	518.4	509.8	498.2	485.2	472.2	459.2	441.9	427.4	413.0
-57.5°	491.0	479.4	473.6	466.4	454.9	441.9	431.8	418.8	407.2	391.3	378.3
-60°	459.2	446.2	434.7	427.4	417.3	404.3	394.2	384.1	372.6	359.6	343.7
-62.5°	433.2	417.3	401.4	392.8	382.7	371.1	361.0	350.9	339.4	326.4	311.9
-65°	408.7	389.9	369.7	361.0	350.9	339.4	326.4	319.1	309.0	297.5	283.0
-67.5°	378.3	358.1	340.8	330.7	320.6	310.5	298.9	291.7	281.6	267.1	252.7
-70°	333.6	320.6	309.0	300.4	291.7	283.0	271.5	259.9	248.4	235.4	222.4
-72.5°	277.3	272.9	271.5	267.1	257.0	246.9	235.4	223.8	213.7	203.6	193.5
-75°	223.8	226.7	229.6	228.2	218.1	207.9	197.8	187.7	180.5	171.8	163.2
-77.5°	177.6	180.5	183.4	183.4	176.2	170.4	163.2	156.0	150.2	143.0	134.3
-80°	137.2	141.5	145.8	148.7	143.0	138.6	132.9	127.1	121.3	115.5	109.7
-82.5°	104.0	108.3	112.6	115.5	111.2	108.3	104.0	99.6	95.3	89.5	85.2
-85°	75.1	78.0	80.9	82.3	79.4	76.5	73.6	70.8	67.9	63.5	60.7
-87.5°	43.3	44.8	46.2	47.7	44.8	41.9	40.4	37.5	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



REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-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	30.3	28.9	26.0	21.7	18.8	15.9	13.0	10.1	8.7
85°	76.5	69.3	60.7	56.3	50.5	44.8	39.0	33.2	27.4	21.7	15.9
82.5°	131.4	122.7	114.1	104.0	91.0	75.1	59.2	49.1	40.4	31.8	24.5
80°	197.8	182.0	167.5	154.5	140.1	119.9	98.2	78.0	54.9	41.9	31.8
77.5°	274.4	255.6	235.4	213.7	190.6	163.2	138.6	112.6	85.2	57.8	40.4
75°	361.0	336.5	309.0	278.7	248.4	212.3	177.6	147.3	115.5	80.9	49.1
72.5°	457.8	427.4	394.2	353.8	306.1	264.3	222.4	182.0	144.4	102.5	66.4
70°	582.0	534.3	485.2	441.9	381.2	314.8	265.7	219.5	171.8	125.6	83.8
67.5°	714.8	657.0	597.8	534.3	457.8	379.8	309.0	257.0	200.7	147.3	99.6
65°	859.2	787.0	711.9	641.2	535.7	443.3	363.9	293.1	228.2	167.5	115.5
62.5°	1007.9	922.7	836.1	743.7	622.4	508.3	415.9	333.6	254.2	186.3	130.0
60°	1166.8	1067.2	961.7	846.2	704.7	579.1	465.0	375.5	281.6	205.1	145.8
57.5°	1334.3	1226.0	1101.8	945.9	789.9	646.9	521.3	413.0	306.1	222.4	157.4
55°	1516.3	1392.1	1256.3	1049.8	873.7	714.8	577.6	450.5	332.1	236.8	169.0
52.5°	1712.6	1568.2	1396.4	1159.6	961.7	784.1	629.6	483.8	356.7	252.7	179.1
50°	1932.1	1750.2	1519.1	1260.7	1038.3	849.1	681.6	519.9	376.9	270.0	187.7
47.5°	2160.3	1963.9	1628.9	1354.5	1116.3	912.6	735.0	551.6	397.1	284.5	196.4
45°	2398.6	2112.6	1743.0	1438.3	1184.1	970.4	775.5	580.5	421.7	297.5	203.6
42.5°	2634.0	2225.3	1842.6	1522.0	1247.7	1022.4	808.7	607.9	441.9	310.5	210.8
40°	2745.1	2310.5	1922.0	1579.8	1301.1	1068.6	837.6	632.5	459.2	319.1	218.1
37.5°	2791.4	2362.5	1974.0	1634.7	1343.0	1093.1	862.1	654.2	473.6	327.8	223.8
35°	2801.5	2381.2	2000.0	1672.2	1377.6	1116.3	880.9	670.0	485.2	336.5	229.6
32.5°	2782.7	2375.5	2007.2	1685.2	1399.3	1133.6	893.9	681.6	493.9	345.1	235.4
30°	2740.8	2345.1	1981.2	1683.8	1415.2	1143.7	902.5	690.3	502.5	350.9	238.3
27.5°	2672.9	2291.7	1948.0	1685.2	1423.8	1148.0	906.9	694.6	508.3	355.2	244.0
25°	2589.2	2219.5	1949.5	1682.3	1425.3	1149.5	906.9	694.6	509.8	356.7	248.4
22.5°	2492.4	2219.5	1949.5	1678.0	1416.6	1146.6	902.5	691.7	509.8	359.6	252.7
20°	2498.2	2221.0	1945.1	1669.3	1403.6	1137.9	892.4	684.5	505.4	363.9	255.6
17.5°	2502.5	2218.1	1936.5	1657.8	1386.3	1123.5	879.4	674.4	505.4	368.2	257.0
15°	2502.5	2209.4	1923.5	1640.4	1364.6	1103.3	860.7	665.7	506.9	369.7	259.9
12.5°	2498.2	2193.5	1903.3	1617.3	1338.6	1078.7	849.1	662.8	506.9	371.1	259.9
10°	2489.5	2171.9	1877.3	1588.5	1314.1	1070.0	843.3	657.0	504.0	371.1	259.9
7.5°	2473.7	2145.9	1855.6	1571.1	1299.6	1059.9	834.7	648.4	499.6	368.2	262.8
5°	2449.1	2131.4	1838.3	1550.9	1279.4	1052.7	828.9	641.2	496.8	368.2	259.9
2.5°	2417.3	2114.1	1818.1	1524.9	1256.3	1028.2	810.1	625.3	486.6	362.5	257.0
0°	2365.4	2079.4	1783.4	1488.8	1224.6	1003.6	791.3	609.4	476.5	356.7	254.2
-2.5°	2317.7	2033.2	1738.6	1451.3	1194.2	982.0	776.9	600.7	472.2	355.2	252.7
-5°	2251.3	1969.7	1679.4	1402.2	1153.8	960.3	762.5	590.6	467.9	352.3	252.7
-7.5°	2177.6	1903.3	1617.3	1351.6	1113.4	922.7	735.0	574.7	457.8	346.6	251.3
-10°	2063.6	1803.6	1539.4	1293.9	1070.0	889.5	711.9	560.3	449.1	340.8	245.5
-12.5°	1942.3	1693.9	1449.8	1223.1	1020.9	854.9	685.9	544.4	439.0	335.0	242.6
-15°	1813.7	1581.2	1356.0	1149.5	967.5	813.0	658.5	527.1	428.9	327.8	238.3
-17.5°	1679.4	1462.8	1259.2	1074.4	914.1	769.7	629.6	511.2	417.3	320.6	233.9
-20°	1537.9	1341.5	1161.0	997.8	857.8	726.4	599.3	492.4	404.3	311.9	228.2



REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1397.8	1221.7	1059.9	922.7	800.0	681.6	569.0	473.6	389.9	301.8	223.8
-25°	1273.7	1109.0	970.4	850.5	743.7	638.3	537.2	454.9	374.0	291.7	218.1
-27.5°	1152.4	1012.3	882.3	782.7	688.8	596.4	506.9	434.7	358.1	280.1	212.3
-30°	1039.7	919.9	813.0	716.2	636.8	558.8	480.9	414.4	340.8	268.6	205.1
-32.5°	937.2	840.4	750.9	658.5	587.7	521.3	456.3	394.2	323.5	257.0	197.8
-35°	841.9	766.8	688.8	610.8	538.6	486.6	430.3	372.6	307.6	244.0	190.6
-37.5°	756.7	696.0	633.9	567.5	505.4	453.4	405.8	350.9	291.7	232.5	183.4
-40°	683.0	633.9	579.1	525.6	473.6	424.6	381.2	329.2	275.8	223.8	176.2
-42.5°	615.2	577.6	532.9	488.1	441.9	398.6	356.7	306.1	259.9	213.7	169.0
-45°	563.2	525.6	489.5	449.1	410.1	372.6	330.7	285.9	245.5	202.2	161.7
-47.5°	514.1	480.9	447.7	414.4	382.7	348.0	306.1	268.6	229.6	192.1	156.0
-50°	470.8	439.0	410.1	381.2	353.8	320.6	281.6	251.3	216.6	182.0	148.7
-52.5°	430.3	402.9	374.0	350.9	327.8	294.6	262.8	233.9	203.6	170.4	141.5
-55°	394.2	368.2	342.2	320.6	298.9	270.0	244.0	219.5	190.6	161.7	134.3
-57.5°	359.6	337.9	313.4	293.1	271.5	248.4	226.7	203.6	177.6	153.1	127.1
-60°	327.8	307.6	285.9	265.7	246.9	228.2	207.9	189.2	166.1	143.0	119.9
-62.5°	296.0	278.7	259.9	239.7	225.3	207.9	192.1	173.3	154.5	134.3	106.9
-65°	267.1	251.3	233.9	216.6	203.6	190.6	176.2	158.8	143.0	124.2	95.3
-67.5°	238.3	223.8	209.4	194.9	183.4	173.3	158.8	145.8	132.9	112.6	83.8
-70°	210.8	199.3	186.3	174.7	166.1	154.5	144.4	132.9	121.3	98.2	70.8
-72.5°	184.8	173.3	163.2	154.5	147.3	137.2	128.5	119.9	104.0	82.3	59.2
-75°	154.5	147.3	141.5	134.3	127.1	119.9	112.6	102.5	86.6	66.4	46.2
-77.5°	127.1	122.7	118.4	112.6	106.9	101.1	92.4	82.3	69.3	52.0	37.5
-80°	104.0	99.6	96.8	91.0	86.6	80.9	72.2	63.5	50.5	40.4	30.3
-82.5°	79.4	76.5	73.6	70.8	66.4	60.7	52.0	44.8	37.5	30.3	23.1
-85°	56.3	54.9	52.0	49.1	44.8	40.4	34.7	30.3	26.0	20.2	15.9
-87.5°	28.9	27.4	26.0	24.5	23.1	20.2	17.3	14.4	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



REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-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	14.4	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	24.5	11.6	0.0
70°	46.2	28.9	13.0	0.0
67.5°	57.8	31.8	14.4	0.0
65°	67.9	34.7	15.9	0.0
62.5°	79.4	37.5	17.3	0.0
60°	89.5	40.4	18.8	0.0
57.5°	99.6	47.7	20.2	0.0
55°	108.3	53.4	21.7	0.0
52.5°	118.4	59.2	23.1	0.0
50°	127.1	65.0	24.5	0.0
47.5°	134.3	70.8	24.5	0.0
45°	140.1	75.1	26.0	0.0
42.5°	144.4	79.4	27.4	0.0
40°	148.7	83.8	28.9	0.0
37.5°	153.1	88.1	28.9	0.0
35°	157.4	92.4	30.3	0.0
32.5°	161.7	96.8	30.3	0.0
30°	164.6	99.6	31.8	0.0
27.5°	169.0	102.5	31.8	0.0
25°	170.4	105.4	33.2	0.0
22.5°	173.3	106.9	33.2	0.0
20°	176.2	109.7	33.2	0.0
17.5°	177.6	111.2	34.7	0.0
15°	177.6	112.6	36.1	0.0
12.5°	179.1	114.1	36.1	0.0
10°	179.1	117.0	34.7	0.0
7.5°	182.0	115.5	34.7	0.0
5°	180.5	115.5	34.7	0.0
2.5°	179.1	114.1	34.7	0.0
0°	177.6	114.1	34.7	0.0
-2.5°	177.6	114.1	34.7	0.0
-5°	177.6	114.1	34.7	0.0
-7.5°	176.2	115.5	34.7	0.0
-10°	173.3	115.5	34.7	0.0
-12.5°	171.8	111.2	34.7	0.0
-15°	170.4	109.7	34.7	0.0
-17.5°	167.5	108.3	33.2	0.0
-20°	164.6	106.9	33.2	0.0



REPORT NUMBER: P721963
 CATALOG NUMBER: IFLD-S-SA2E-722-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	161.7	104.0	33.2	0.0
-25°	158.8	101.1	31.8	0.0
-27.5°	156.0	98.2	31.8	0.0
-30°	151.6	95.3	30.3	0.0
-32.5°	147.3	92.4	30.3	0.0
-35°	144.4	88.1	28.9	0.0
-37.5°	140.1	83.8	28.9	0.0
-40°	135.7	79.4	27.4	0.0
-42.5°	131.4	75.1	26.0	0.0
-45°	125.6	70.8	26.0	0.0
-47.5°	121.3	66.4	24.5	0.0
-50°	114.1	60.7	23.1	0.0
-52.5°	105.4	54.9	21.7	0.0
-55°	96.8	50.5	20.2	0.0
-57.5°	88.1	44.8	20.2	0.0
-60°	79.4	39.0	18.8	0.0
-62.5°	70.8	36.1	17.3	0.0
-65°	62.1	33.2	15.9	0.0
-67.5°	52.0	28.9	14.4	0.0
-70°	43.3	26.0	13.0	0.0
-72.5°	37.5	23.1	11.6	0.0
-75°	31.8	20.2	10.1	0.0
-77.5°	27.4	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)