

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: P722208

Luminaire Tested: **IFLD-M-SA4C-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722208
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

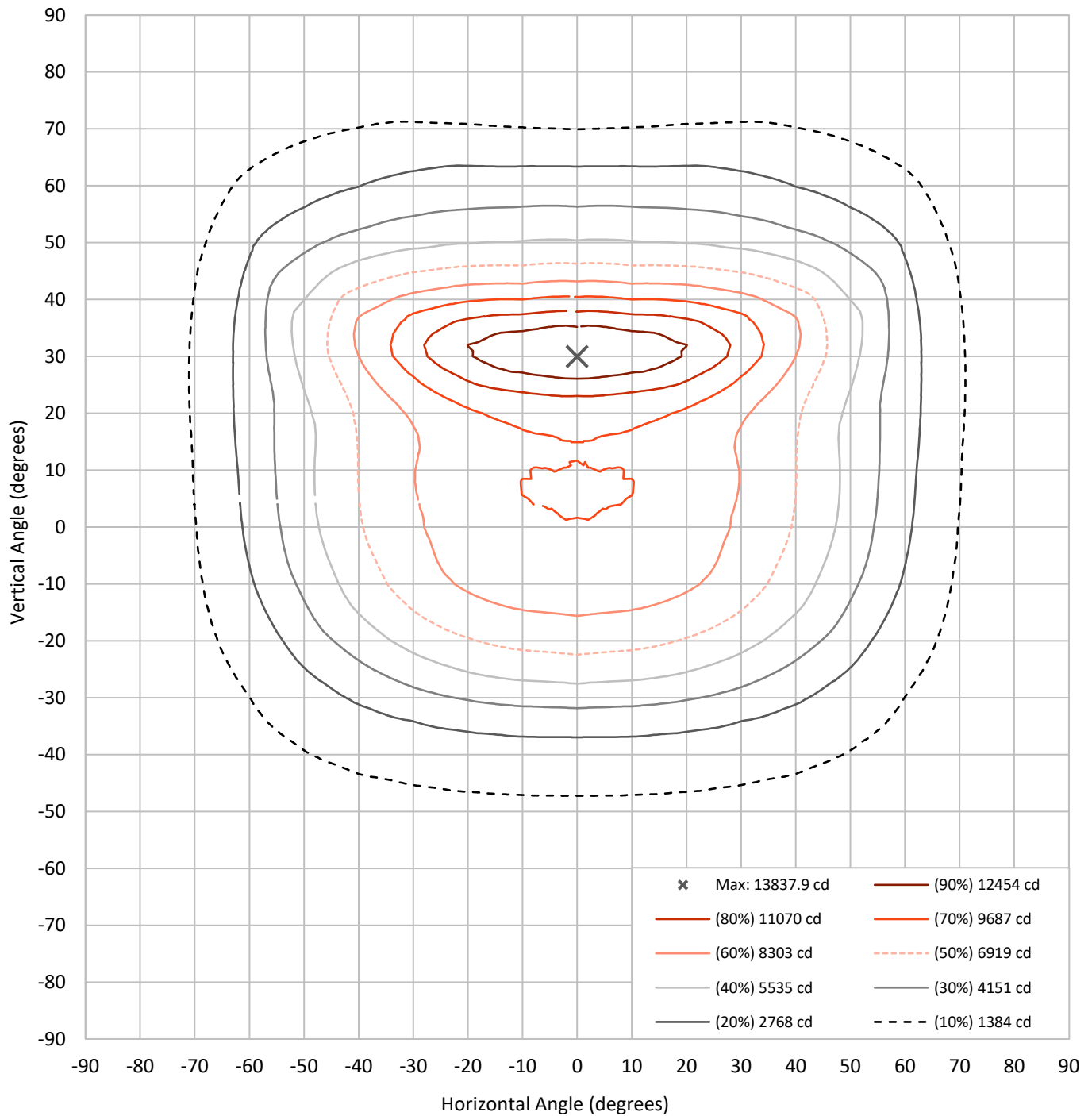
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23099 lumens	Max Intensity:	13837.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	105.9 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	13432.3 lumens	Field Lumens:	21646.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 218.1
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



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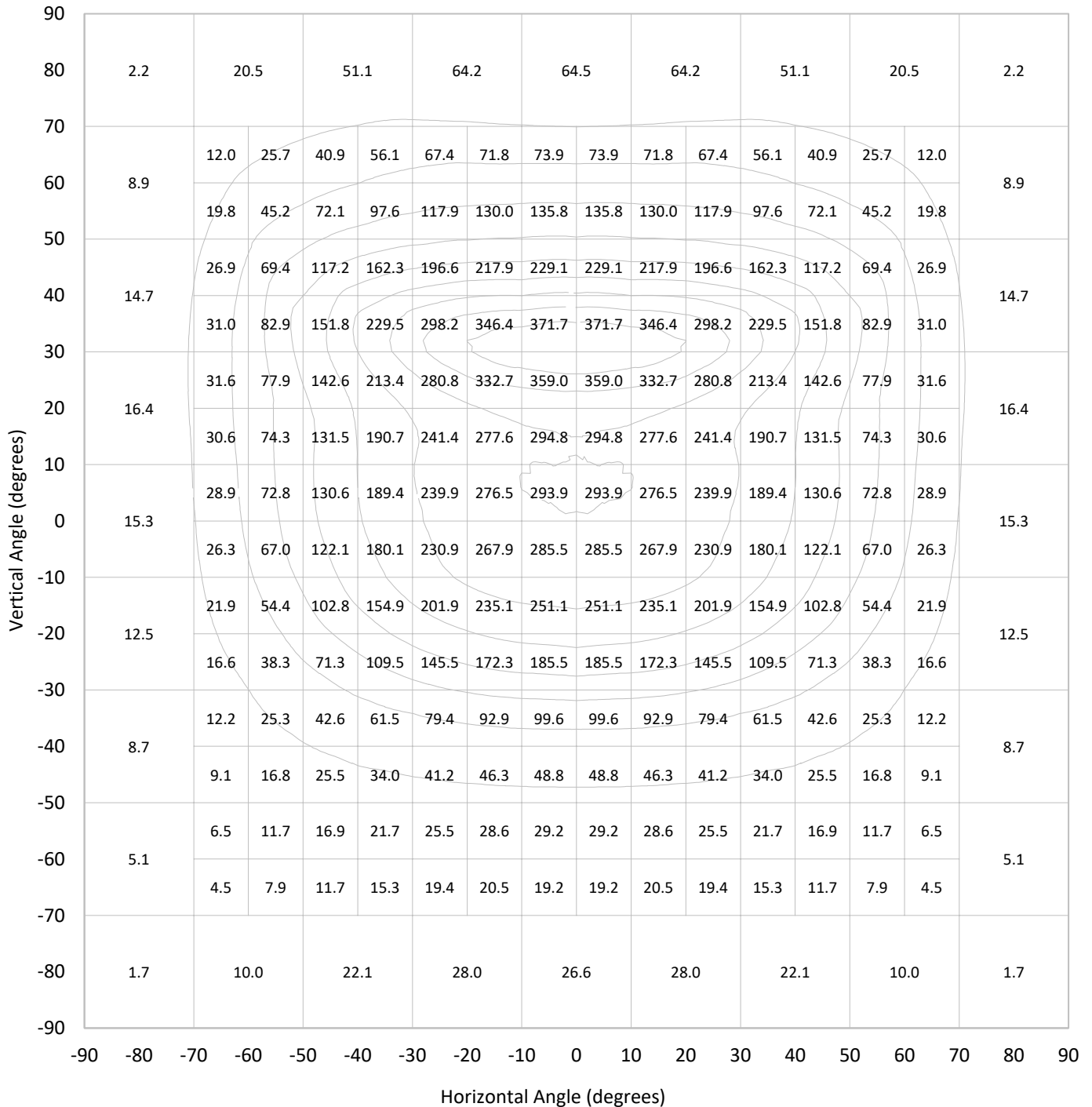
Iso-Candela Plot





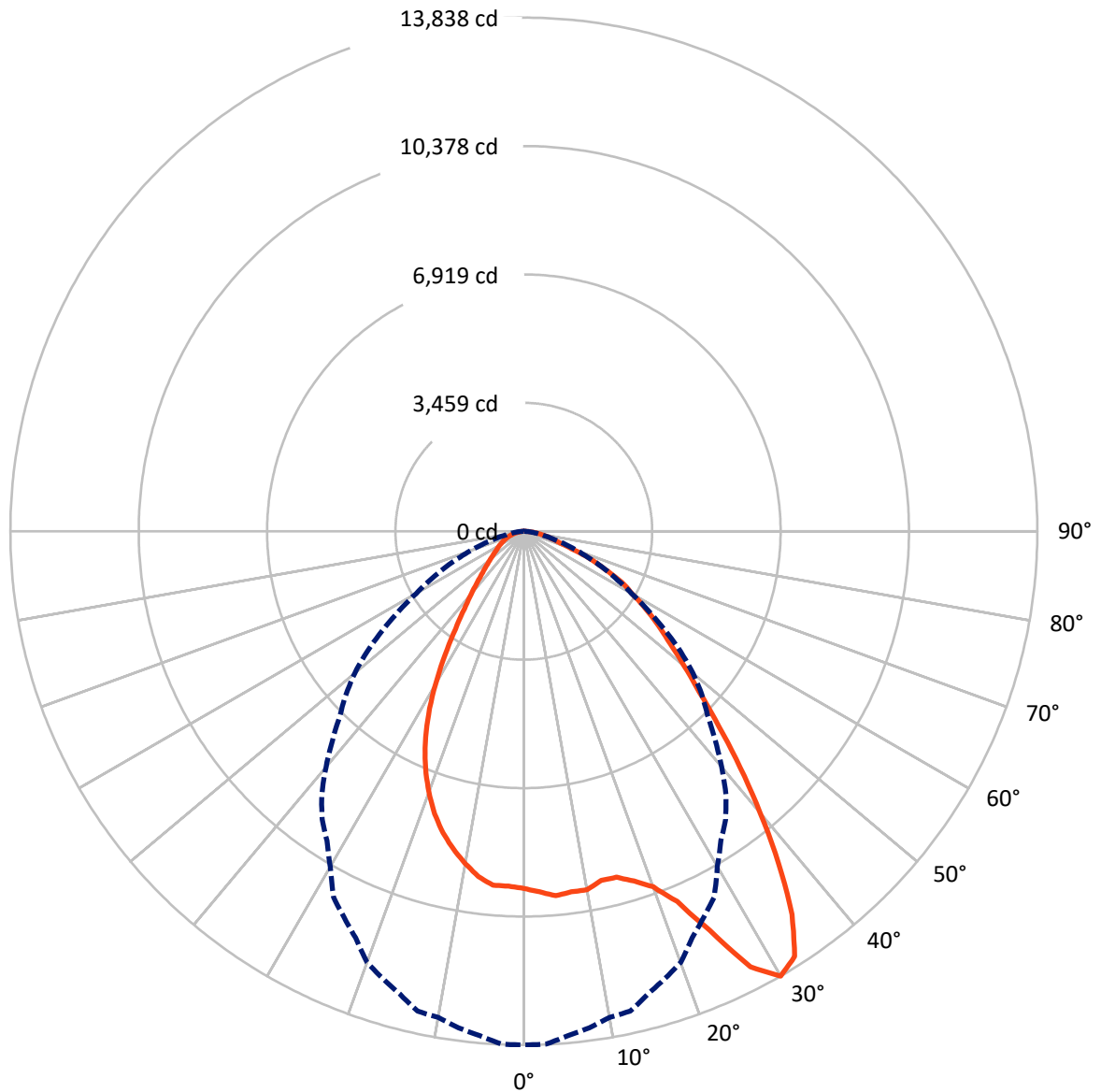
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Lumen Table



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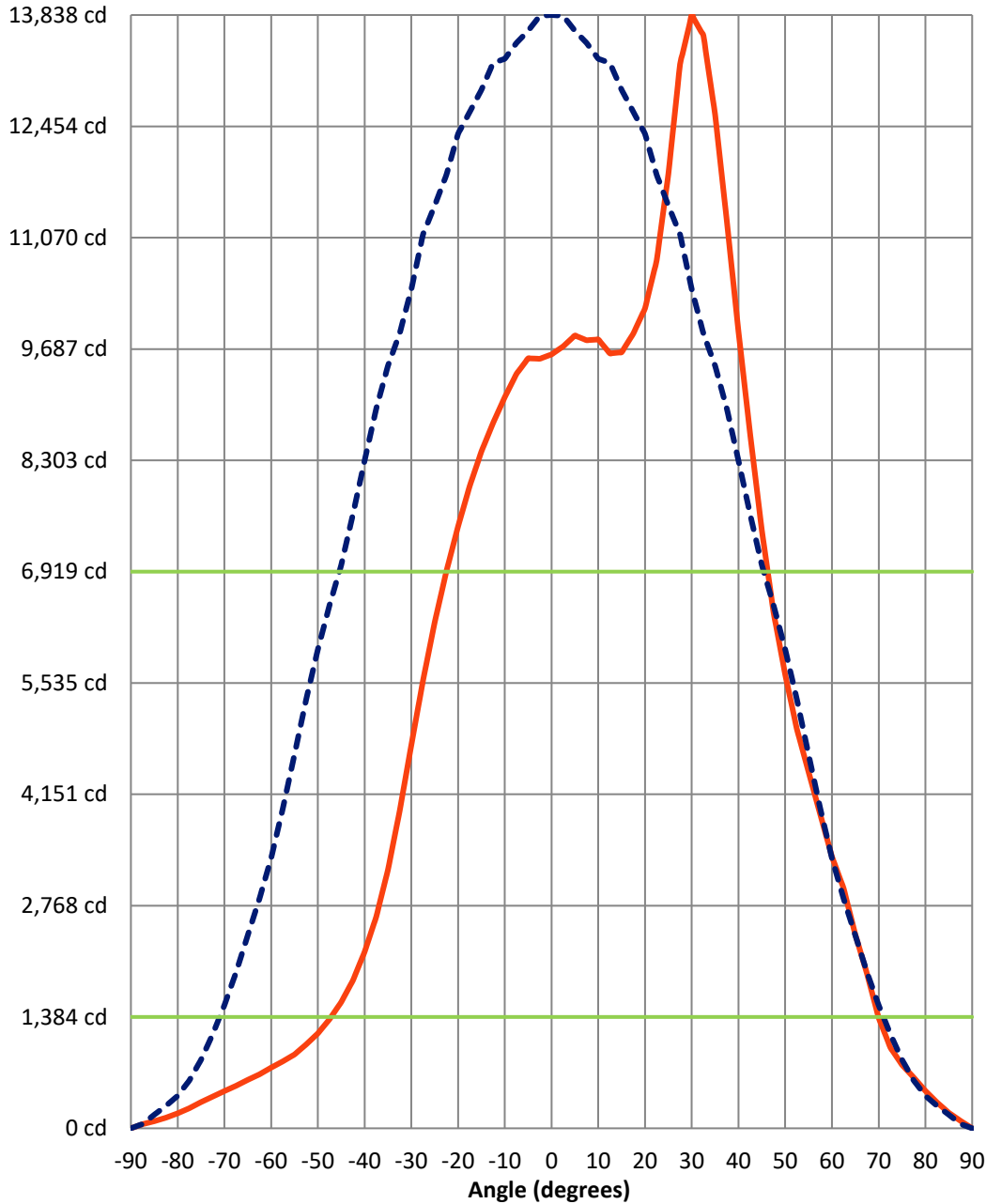
Luminous Intensity Polar Plot



— 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: 13432.3
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 21646.8
 Efficiency: 93.7%

Spill:
 Lumens: 1452.2
 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°	93.0	95.4	97.9	97.9	95.4	95.4	95.4	93.0	95.4	95.4	95.4
85°	193.3	198.2	203.1	200.7	198.2	193.3	188.4	190.9	193.3	195.8	195.8
82.5°	320.6	327.9	332.8	330.3	325.5	320.6	315.7	318.1	323.0	325.5	325.5
80°	464.9	467.4	469.8	474.7	467.4	467.4	464.9	474.7	479.6	484.5	489.4
77.5°	631.3	633.8	633.8	636.2	638.7	641.1	641.1	658.3	670.5	677.8	685.2
75°	787.9	795.3	802.6	810.0	819.8	824.6	832.0	856.5	876.0	890.7	905.4
72.5°	1003.3	1013.1	1025.3	1042.4	1059.6	1071.8	1088.9	1118.3	1140.3	1155.0	1172.1
70°	1372.8	1382.6	1394.8	1407.0	1424.2	1436.4	1453.5	1490.2	1512.3	1522.1	1531.8
67.5°	1920.9	1945.4	1967.4	1942.9	1930.7	1913.6	1918.5	1952.7	1974.8	1989.4	1987.0
65°	2407.9	2425.0	2425.0	2422.6	2412.8	2390.7	2403.0	2444.6	2469.1	2481.3	2444.6
62.5°	2980.5	2980.5	2968.2	2987.8	2990.3	2975.6	2968.2	2970.7	2973.1	2980.5	2919.3
60°	3376.9	3401.4	3408.7	3425.8	3430.7	3430.7	3443.0	3452.8	3452.8	3438.1	3367.1
57.5°	3900.6	3947.1	3956.8	3944.6	3920.1	3888.3	3883.4	3868.8	3839.4	3810.0	3775.8
55°	4429.1	4453.6	4451.1	4443.8	4419.3	4382.6	4387.5	4367.9	4321.5	4284.7	4238.3
52.5°	4960.1	5018.9	5028.6	5014.0	4979.7	4940.5	4943.0	4921.0	4874.5	4835.3	4771.7
50°	5638.0	5686.9	5682.0	5657.5	5608.6	5579.2	5581.7	5540.1	5486.2	5474.0	5390.8
47.5°	6413.7	6469.9	6460.2	6425.9	6359.8	6347.6	6359.8	6306.0	6274.2	6247.3	6149.4
45°	7431.6	7497.7	7461.0	7394.9	7289.7	7301.9	7319.1	7309.3	7240.8	7169.8	7045.0
42.5°	8625.8	8667.4	8623.3	8557.3	8425.1	8449.6	8439.8	8381.1	8339.5	8222.0	8063.0
40°	9903.1	9993.7	9925.1	9822.4	9685.3	9722.0	9695.1	9619.3	9521.4	9374.6	9173.9
37.5°	11280.8	11351.8	11273.5	11153.6	11031.2	11019.0	10965.1	10847.7	10708.2	10546.7	10226.1
35°	12599.7	12783.3	12638.9	12448.0	12298.8	12242.5	12191.1	11919.5	11760.4	11498.6	11060.6
32.5°	13581.0	13715.6	13537.0	13338.7	13157.7	13079.4	12898.3	12575.3	12489.6	11939.0	11537.7
30°	13837.9	13828.2	13642.2	13490.5	13294.7	13240.9	12908.1	12634.0	12359.9	11851.0	11469.2
27.5°	13226.2	13165.0	12986.4	12854.2	12660.9	12597.3	12269.4	12122.6	11699.2	11268.6	10945.6
25°	11863.2	11895.0	11760.4	11694.3	11567.1	11430.1	11300.4	11102.2	10837.9	10461.0	10165.0
22.5°	10788.9	10830.5	10774.3	10696.0	10598.1	10522.2	10424.3	10270.2	10015.7	9783.2	9504.3
20°	10191.9	10179.6	10130.7	10072.0	9979.0	9925.1	9817.5	9687.8	9492.0	9291.4	8990.4
17.5°	9878.7	9802.8	9756.3	9734.3	9685.3	9616.8	9489.6	9357.4	9205.7	8978.1	8757.9
15°	9646.2	9658.4	9621.7	9604.6	9565.4	9470.0	9340.3	9232.6	9027.1	8912.1	8711.4
12.5°	9631.5	9619.3	9621.7	9614.4	9565.4	9443.1	9377.0	9240.0	9107.8	8956.1	8726.1
10°	9805.2	9675.5	9685.3	9719.6	9641.3	9543.4	9472.4	9323.2	9198.4	9005.1	8777.5
7.5°	9795.5	9729.4	9749.0	9692.7	9717.1	9597.2	9499.4	9350.1	9193.5	8987.9	8782.4
5°	9854.2	9753.9	9736.7	9741.6	9680.4	9589.9	9457.8	9315.8	9169.0	8939.0	8728.5
2.5°	9719.6	9734.3	9656.0	9626.6	9619.3	9467.6	9345.2	9208.2	9056.4	8853.3	8664.9
0°	9619.3	9646.2	9565.4	9523.8	9521.4	9391.7	9313.4	9156.8	9049.1	8880.3	8652.7
-2.5°	9565.4	9597.2	9607.0	9531.2	9457.8	9357.4	9225.3	9056.4	8880.3	8684.5	8488.7
-5°	9570.3	9506.7	9479.8	9504.3	9440.6	9340.3	9193.5	9044.2	8870.5	8660.0	8415.3
-7.5°	9377.0	9313.4	9308.5	9296.3	9281.6	9186.1	9063.8	8902.3	8726.1	8530.3	8302.8
-10°	9088.3	9041.8	9029.5	9017.3	8978.1	8921.9	8806.9	8660.0	8501.0	8305.2	8063.0
-12.5°	8767.7	8745.7	8699.2	8667.4	8628.2	8562.2	8452.0	8317.4	8158.4	7984.7	7776.7
-15°	8412.9	8371.3	8324.8	8297.9	8241.6	8163.3	8053.2	7928.4	7754.6	7583.3	7387.6
-17.5°	7984.7	7933.3	7881.9	7874.5	7835.4	7715.5	7612.7	7461.0	7309.3	7145.3	6954.5
-20°	7480.6	7409.6	7375.3	7355.8	7301.9	7213.8	7103.7	6964.2	6817.4	6660.8	6440.6



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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°	6922.6	6861.5	6802.7	6766.0	6719.5	6651.0	6545.8	6423.4	6279.1	6102.9	5899.8
-25°	6288.9	6203.2	6166.5	6124.9	6100.4	6036.8	5934.0	5821.5	5672.2	5500.9	5307.6
-27.5°	5564.5	5496.0	5476.4	5417.7	5388.4	5322.3	5236.6	5131.4	4994.4	4832.9	4673.8
-30°	4764.4	4722.8	4691.0	4632.2	4610.2	4539.2	4483.0	4394.9	4270.1	4155.1	4027.8
-32.5°	3942.2	3900.6	3890.8	3863.9	3849.2	3802.7	3739.1	3675.4	3575.1	3489.5	3386.7
-35°	3212.9	3183.6	3186.0	3183.6	3168.9	3134.6	3056.3	3039.2	2965.8	2887.5	2821.4
-37.5°	2630.6	2633.0	2630.6	2628.1	2608.5	2593.8	2537.6	2515.5	2471.5	2395.6	2356.5
-40°	2192.5	2197.4	2195.0	2190.1	2168.1	2160.7	2124.0	2094.7	2077.5	2023.7	1982.1
-42.5°	1837.7	1845.1	1842.6	1840.2	1825.5	1823.0	1803.5	1769.2	1759.4	1727.6	1683.6
-45°	1568.5	1566.1	1561.2	1566.1	1558.8	1551.4	1539.2	1517.2	1504.9	1490.2	1453.5
-47.5°	1355.7	1358.1	1353.2	1353.2	1343.4	1336.1	1331.2	1316.5	1306.7	1294.5	1272.5
-50°	1179.5	1189.3	1186.8	1184.4	1177.0	1172.1	1172.1	1157.4	1142.8	1137.9	1123.2
-52.5°	1042.4	1049.8	1052.2	1057.1	1059.6	1062.0	1054.7	1040.0	1015.5	1013.1	1005.7
-55°	917.6	939.7	954.3	964.1	973.9	981.3	966.6	947.0	922.5	912.7	910.3
-57.5°	832.0	854.0	871.1	885.8	898.1	910.3	895.6	876.0	854.0	841.8	839.3
-60°	753.7	773.3	790.4	810.0	827.1	846.7	839.3	824.6	812.4	802.6	792.8
-62.5°	670.5	690.1	709.6	734.1	756.1	775.7	778.2	775.7	773.3	775.7	758.6
-65°	602.0	611.8	624.0	650.9	675.4	697.4	709.6	717.0	729.2	741.4	724.3
-67.5°	528.6	540.8	555.5	575.1	594.6	609.3	626.4	646.0	665.6	685.2	672.9
-70°	462.5	472.3	484.5	494.3	506.5	516.3	531.0	553.0	575.1	594.6	589.7
-72.5°	394.0	403.8	411.1	416.0	423.3	428.2	435.6	455.1	469.8	479.6	479.6
-75°	325.5	335.2	342.6	345.0	349.9	352.4	357.3	364.6	371.9	374.4	376.8
-77.5°	249.6	259.4	266.7	271.6	276.5	281.4	283.9	288.7	291.2	291.2	293.6
-80°	186.0	193.3	198.2	205.6	208.0	212.9	217.8	220.2	222.7	222.7	225.1
-82.5°	132.1	137.0	141.9	146.8	151.7	154.2	159.1	161.5	164.0	166.4	168.8
-85°	88.1	93.0	97.9	102.8	105.2	107.7	110.1	112.6	115.0	117.5	119.9
-87.5°	51.4	53.8	56.3	61.2	63.6	68.5	71.0	68.5	71.0	71.0	71.0
-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°	95.4	95.4	95.4	95.4	93.0	88.1	85.6	80.8	75.9	71.0	66.1
85°	198.2	200.7	200.7	200.7	195.8	193.3	186.0	178.6	168.8	154.2	141.9
82.5°	330.3	332.8	332.8	330.3	325.5	318.1	308.3	296.1	276.5	256.9	239.8
80°	496.7	499.2	499.2	496.7	484.5	472.3	460.0	445.4	420.9	394.0	364.6
77.5°	695.0	699.8	699.8	692.5	675.4	660.7	641.1	616.7	579.9	540.8	501.6
75°	925.0	937.2	939.7	932.3	910.3	883.4	851.6	810.0	753.7	704.7	658.3
72.5°	1191.7	1203.9	1213.7	1203.9	1172.1	1135.4	1088.9	1040.0	983.7	917.6	839.3
70°	1541.6	1553.9	1561.2	1529.4	1473.1	1411.9	1355.7	1299.4	1233.3	1152.6	1066.9
67.5°	1982.1	1969.9	1955.2	1891.6	1820.6	1747.2	1668.9	1585.7	1500.0	1414.4	1314.1
65°	2405.4	2371.2	2339.4	2263.5	2173.0	2077.5	1987.0	1894.0	1791.2	1683.6	1588.1
62.5°	2850.8	2777.4	2699.1	2606.1	2513.1	2407.9	2317.3	2207.2	2092.2	1960.1	1837.7
60°	3288.8	3200.7	3122.4	3007.4	2885.0	2743.1	2645.2	2537.6	2403.0	2261.1	2116.7
57.5°	3712.1	3616.7	3531.1	3430.7	3298.6	3144.4	3036.8	2897.3	2755.4	2576.7	2429.9
55°	4162.4	4067.0	3998.4	3885.9	3741.5	3599.6	3482.1	3335.3	3137.1	2946.2	2765.1
52.5°	4678.7	4602.9	4529.4	4414.4	4240.7	4096.3	3966.6	3802.7	3594.7	3359.8	3142.0
50°	5256.2	5217.1	5138.8	5004.2	4806.0	4678.7	4507.4	4289.6	4067.0	3819.8	3548.2
47.5°	6022.1	5958.5	5848.4	5701.6	5535.2	5344.3	5114.3	4859.8	4544.1	4270.1	3981.3
45°	6937.3	6819.9	6677.9	6479.7	6274.2	6058.8	5806.8	5483.8	5060.5	4703.2	4399.8
42.5°	7928.4	7769.3	7576.0	7316.6	7049.9	6785.6	6514.0	6073.5	5545.0	5133.9	4791.3
40°	8963.5	8760.4	8518.1	8141.3	7845.2	7505.0	7194.3	6536.0	5973.2	5527.8	5163.2
37.5°	9976.5	9719.6	9313.4	8855.8	8510.8	8231.8	7549.1	6844.3	6340.2	5850.8	5481.3
35°	10752.2	10534.5	9817.5	9342.8	9046.7	8606.2	7752.2	7030.3	6496.9	6090.7	5515.6
32.5°	11212.3	10649.5	10020.6	9541.0	9296.3	8574.4	7766.9	7084.1	6570.3	6115.1	5427.5
30°	11109.5	10429.2	9878.7	9477.3	8946.3	8297.9	7629.8	7000.9	6501.8	5951.2	5329.6
27.5°	10490.4	9964.3	9472.4	9054.0	8532.8	7950.4	7333.7	6780.7	6315.8	5782.3	5195.0
25°	9790.6	9313.4	8948.8	8584.2	8089.9	7534.4	6991.2	6592.3	6124.9	5598.8	5018.9
22.5°	9147.0	8804.4	8518.1	8136.4	7654.3	7169.8	6832.1	6418.6	5938.9	5405.5	4837.8
20°	8735.9	8503.4	8175.5	7754.6	7375.3	7071.9	6697.5	6259.5	5765.2	5207.3	4683.6
17.5°	8537.7	8268.5	7903.9	7629.8	7338.6	7005.8	6587.4	6122.5	5596.4	5116.7	4700.7
15°	8434.9	8151.0	7911.2	7642.1	7314.2	6964.2	6499.3	6017.2	5596.4	5153.4	4713.0
12.5°	8456.9	8212.2	7950.4	7656.7	7304.4	6930.0	6509.1	6061.3	5625.7	5180.4	4715.4
10°	8525.4	8268.5	7989.5	7664.1	7309.3	6939.8	6536.0	6088.2	5640.4	5192.6	4710.5
7.5°	8549.9	8271.0	7972.4	7644.5	7297.0	6934.9	6540.9	6095.5	5642.8	5190.1	4695.8
5°	8474.1	8222.0	7933.3	7602.9	7262.8	6910.4	6521.3	6085.8	5623.3	5165.7	4659.1
2.5°	8371.3	8168.2	7891.7	7573.6	7228.5	6876.1	6489.5	6041.7	5579.2	5121.6	4612.6
0°	8354.2	8102.1	7823.1	7539.3	7172.2	6800.3	6416.1	5958.5	5498.5	5038.4	4531.9
-2.5°	8241.6	7974.9	7695.9	7387.6	7064.6	6690.2	6286.4	5838.6	5383.5	4930.8	4443.8
-5°	8155.9	7859.9	7563.8	7231.0	6905.5	6531.1	6112.7	5677.1	5231.7	4791.3	4321.5
-7.5°	8040.9	7737.5	7426.7	7079.3	6726.9	6345.1	5931.6	5496.0	5058.0	4620.0	4169.7
-10°	7808.5	7541.7	7250.5	6890.8	6518.9	6137.1	5726.0	5297.8	4859.8	4416.9	3964.2
-12.5°	7527.1	7245.6	6927.5	6597.2	6264.4	5909.6	5498.5	5077.6	4637.1	4191.8	3741.5
-15°	7162.5	6885.9	6560.5	6237.5	5916.9	5576.8	5214.6	4835.3	4387.5	3949.5	3499.2
-17.5°	6707.3	6447.9	6156.7	5848.4	5530.3	5187.7	4835.3	4514.8	4096.3	3685.2	3239.9
-20°	6217.9	5975.6	5713.8	5422.6	5104.5	4769.3	4436.5	4101.2	3739.1	3376.9	2963.4



REPORT NUMBER: P722208
 CATALOG NUMBER: IFLD-M-SA4C-830-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	5708.9	5464.2	5199.9	4928.3	4634.7	4323.9	4015.6	3695.0	3376.9	3049.0	2699.1
-25°	5121.6	4906.3	4664.0	4399.8	4137.9	3866.3	3572.7	3281.5	3009.8	2726.0	2439.7
-27.5°	4507.4	4309.2	4089.0	3859.0	3633.8	3406.3	3151.8	2882.6	2657.5	2422.6	2185.2
-30°	3861.4	3702.4	3523.7	3323.1	3149.3	2965.8	2752.9	2530.2	2324.7	2146.0	1955.2
-32.5°	3249.7	3115.1	2987.8	2855.7	2684.4	2542.5	2395.6	2231.7	2050.6	1881.8	1744.7
-35°	2723.5	2579.2	2525.3	2427.5	2305.1	2180.3	2072.6	1955.2	1818.1	1668.9	1556.3
-37.5°	2280.6	2195.0	2119.1	2065.3	1984.5	1884.2	1798.6	1712.9	1607.7	1495.1	1382.6
-40°	1935.6	1876.9	1793.7	1766.8	1715.4	1646.8	1558.8	1492.7	1421.7	1336.1	1240.6
-42.5°	1659.1	1615.0	1561.2	1514.7	1492.7	1443.7	1375.2	1311.6	1255.3	1196.6	1123.2
-45°	1431.5	1402.1	1367.9	1326.3	1309.2	1270.0	1221.1	1150.1	1118.3	1069.4	1015.5
-47.5°	1248.0	1233.3	1208.8	1181.9	1157.4	1128.1	1084.0	1040.0	995.9	964.1	922.5
-50°	1103.6	1093.8	1079.1	1057.1	1025.3	1005.7	976.4	937.2	895.6	868.7	839.3
-52.5°	988.6	978.8	969.0	951.9	927.4	907.8	883.4	851.6	817.3	790.4	765.9
-55°	900.5	885.8	878.5	863.8	844.2	822.2	800.2	778.2	748.8	724.3	699.8
-57.5°	832.0	812.4	802.6	790.4	770.8	748.8	731.7	709.6	690.1	663.1	641.1
-60°	778.2	756.1	736.6	724.3	707.2	685.2	668.0	650.9	631.3	609.3	582.4
-62.5°	734.1	707.2	680.3	665.6	648.5	628.9	611.8	594.6	575.1	553.0	528.6
-65°	692.5	660.7	626.4	611.8	594.6	575.1	553.0	540.8	523.7	504.1	479.6
-67.5°	641.1	606.9	577.5	560.4	543.2	526.1	506.5	494.3	477.2	452.7	428.2
-70°	565.3	543.2	523.7	509.0	494.3	479.6	460.0	440.5	420.9	398.9	376.8
-72.5°	469.8	462.5	460.0	452.7	435.6	418.4	398.9	379.3	362.2	345.0	327.9
-75°	379.3	384.2	389.1	386.6	369.5	352.4	335.2	318.1	305.9	291.2	276.5
-77.5°	301.0	305.9	310.8	310.8	298.5	288.7	276.5	264.3	254.5	242.3	227.6
-80°	232.5	239.8	247.1	252.0	242.3	234.9	225.1	215.3	205.6	195.8	186.0
-82.5°	176.2	183.5	190.9	195.8	188.4	183.5	176.2	168.8	161.5	151.7	144.4
-85°	127.2	132.1	137.0	139.5	134.6	129.7	124.8	119.9	115.0	107.7	102.8
-87.5°	73.4	75.9	78.3	80.8	75.9	71.0	68.5	63.6	61.2	56.3	53.8
-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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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°	61.2	56.3	51.4	48.9	44.0	36.7	31.8	26.9	22.0	17.1	14.7
85°	129.7	117.5	102.8	95.4	85.6	75.9	66.1	56.3	46.5	36.7	26.9
82.5°	222.7	208.0	193.3	176.2	154.2	127.2	100.3	83.2	68.5	53.8	41.6
80°	335.2	308.3	283.9	261.8	237.4	203.1	166.4	132.1	93.0	71.0	53.8
77.5°	464.9	433.1	398.9	362.2	323.0	276.5	234.9	190.9	144.4	97.9	68.5
75°	611.8	570.2	523.7	472.3	420.9	359.7	301.0	249.6	195.8	137.0	83.2
72.5°	775.7	724.3	668.0	599.5	518.8	447.8	376.8	308.3	244.7	173.7	112.6
70°	986.2	905.4	822.2	748.8	646.0	533.5	450.3	371.9	291.2	212.9	141.9
67.5°	1211.3	1113.4	1013.1	905.4	775.7	643.6	523.7	435.6	340.1	249.6	168.8
65°	1456.0	1333.6	1206.4	1086.5	907.8	751.2	616.7	496.7	386.6	283.9	195.8
62.5°	1708.0	1563.7	1416.8	1260.2	1054.7	861.4	704.7	565.3	430.7	315.7	220.2
60°	1977.2	1808.4	1629.7	1434.0	1194.1	981.3	787.9	636.2	477.2	347.5	247.1
57.5°	2261.1	2077.5	1867.1	1602.8	1338.5	1096.3	883.4	699.8	518.8	376.8	266.7
55°	2569.4	2358.9	2128.9	1779.0	1480.5	1211.3	978.8	763.5	562.8	401.3	286.3
52.5°	2902.2	2657.5	2366.3	1965.0	1629.7	1328.7	1066.9	819.8	604.4	428.2	303.4
50°	3274.1	2965.8	2574.3	2136.3	1759.4	1438.9	1155.0	880.9	638.7	457.6	318.1
47.5°	3660.8	3328.0	2760.2	2295.3	1891.6	1546.5	1245.5	934.8	672.9	482.1	332.8
45°	4064.5	3580.0	2953.6	2437.2	2006.6	1644.4	1314.1	983.7	714.5	504.1	345.0
42.5°	4463.4	3770.9	3122.4	2579.2	2114.2	1732.5	1370.3	1030.2	748.8	526.1	357.3
40°	4651.8	3915.2	3257.0	2677.0	2204.8	1810.8	1419.3	1071.8	778.2	540.8	369.5
37.5°	4730.1	4003.3	3345.1	2770.0	2275.7	1852.4	1460.9	1108.5	802.6	555.5	379.3
35°	4747.2	4035.1	3389.1	2833.7	2334.5	1891.6	1492.7	1135.4	822.2	570.2	389.1
32.5°	4715.4	4025.4	3401.4	2855.7	2371.2	1920.9	1514.7	1155.0	836.9	584.8	398.9
30°	4644.5	3974.0	3357.3	2853.2	2398.1	1938.0	1529.4	1169.7	851.6	594.6	403.8
27.5°	4529.4	3883.4	3301.0	2855.7	2412.8	1945.4	1536.7	1177.0	861.4	602.0	413.5
25°	4387.5	3761.1	3303.5	2850.8	2415.2	1947.8	1536.7	1177.0	863.8	604.4	420.9
22.5°	4223.6	3761.1	3303.5	2843.4	2400.5	1942.9	1529.4	1172.1	863.8	609.3	428.2
20°	4233.4	3763.5	3296.1	2828.8	2378.5	1928.3	1512.3	1159.9	856.5	616.7	433.1
17.5°	4240.7	3758.6	3281.5	2809.2	2349.1	1903.8	1490.2	1142.8	856.5	624.0	435.6
15°	4240.7	3744.0	3259.4	2779.8	2312.4	1869.5	1458.4	1128.1	858.9	626.4	440.5
12.5°	4233.4	3717.0	3225.2	2740.7	2268.4	1827.9	1438.9	1123.2	858.9	628.9	440.5
10°	4218.7	3680.3	3181.1	2691.7	2226.8	1813.2	1429.1	1113.4	854.0	628.9	440.5
7.5°	4191.8	3636.3	3144.4	2662.4	2202.3	1796.1	1414.4	1098.7	846.7	624.0	445.4
5°	4150.2	3611.8	3115.1	2628.1	2168.1	1783.9	1404.6	1086.5	841.8	624.0	440.5
2.5°	4096.3	3582.4	3080.8	2584.1	2128.9	1742.3	1372.8	1059.6	824.6	614.2	435.6
0°	4008.2	3523.7	3022.1	2522.9	2075.1	1700.7	1341.0	1032.6	807.5	604.4	430.7
-2.5°	3927.5	3445.4	2946.2	2459.3	2023.7	1664.0	1316.5	1018.0	800.2	602.0	428.2
-5°	3814.9	3337.7	2845.9	2376.1	1955.2	1627.3	1292.0	1000.8	792.8	597.1	428.2
-7.5°	3690.1	3225.2	2740.7	2290.4	1886.7	1563.7	1245.5	973.9	775.7	587.3	425.8
-10°	3496.8	3056.3	2608.5	2192.5	1813.2	1507.4	1206.4	949.4	761.0	577.5	416.0
-12.5°	3291.3	2870.4	2456.8	2072.6	1730.0	1448.6	1162.3	922.5	743.9	567.7	411.1
-15°	3073.5	2679.5	2297.8	1947.8	1639.5	1377.7	1115.8	893.2	726.8	555.5	403.8
-17.5°	2845.9	2478.8	2133.8	1820.6	1549.0	1304.3	1066.9	866.2	707.2	543.2	396.4
-20°	2606.1	2273.3	1967.4	1690.9	1453.5	1230.9	1015.5	834.4	685.2	528.6	386.6



REPORT NUMBER: P722208
 CATALOG NUMBER: IFLD-M-SA4C-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2368.7	2070.2	1796.1	1563.7	1355.7	1155.0	964.1	802.6	660.7	511.4	379.3
-25°	2158.3	1879.3	1644.4	1441.3	1260.2	1081.6	910.3	770.8	633.8	494.3	369.5
-27.5°	1952.7	1715.4	1495.1	1326.3	1167.2	1010.6	858.9	736.6	606.9	474.7	359.7
-30°	1761.9	1558.8	1377.7	1213.7	1079.1	947.0	814.9	702.3	577.5	455.1	347.5
-32.5°	1588.1	1424.2	1272.5	1115.8	995.9	883.4	773.3	668.0	548.1	435.6	335.2
-35°	1426.6	1299.4	1167.2	1035.1	912.7	824.6	729.2	631.3	521.2	413.5	323.0
-37.5°	1282.2	1179.5	1074.2	961.7	856.5	768.4	687.6	594.6	494.3	394.0	310.8
-40°	1157.4	1074.2	981.3	890.7	802.6	719.4	646.0	557.9	467.4	379.3	298.5
-42.5°	1042.4	978.8	903.0	827.1	748.8	675.4	604.4	518.8	440.5	362.2	286.3
-45°	954.3	890.7	829.5	761.0	695.0	631.3	560.4	484.5	416.0	342.6	274.1
-47.5°	871.1	814.9	758.6	702.3	648.5	589.7	518.8	455.1	389.1	325.5	264.3
-50°	797.7	743.9	695.0	646.0	599.5	543.2	477.2	425.8	367.1	308.3	252.0
-52.5°	729.2	682.7	633.8	594.6	555.5	499.2	445.4	396.4	345.0	288.7	239.8
-55°	668.0	624.0	579.9	543.2	506.5	457.6	413.5	371.9	323.0	274.1	227.6
-57.5°	609.3	572.6	531.0	496.7	460.0	420.9	384.2	345.0	301.0	259.4	215.3
-60°	555.5	521.2	484.5	450.3	418.4	386.6	352.4	320.6	281.4	242.3	203.1
-62.5°	501.6	472.3	440.5	406.2	381.7	352.4	325.5	293.6	261.8	227.6	181.1
-65°	452.7	425.8	396.4	367.1	345.0	323.0	298.5	269.2	242.3	210.4	161.5
-67.5°	403.8	379.3	354.8	330.3	310.8	293.6	269.2	247.1	225.1	190.9	141.9
-70°	357.3	337.7	315.7	296.1	281.4	261.8	244.7	225.1	205.6	166.4	119.9
-72.5°	313.2	293.6	276.5	261.8	249.6	232.5	217.8	203.1	176.2	139.5	100.3
-75°	261.8	249.6	239.8	227.6	215.3	203.1	190.9	173.7	146.8	112.6	78.3
-77.5°	215.3	208.0	200.7	190.9	181.1	171.3	156.6	139.5	117.5	88.1	63.6
-80°	176.2	168.8	164.0	154.2	146.8	137.0	122.4	107.7	85.6	68.5	51.4
-82.5°	134.6	129.7	124.8	119.9	112.6	102.8	88.1	75.9	63.6	51.4	39.2
-85°	95.4	93.0	88.1	83.2	75.9	68.5	58.7	51.4	44.0	34.3	26.9
-87.5°	48.9	46.5	44.0	41.6	39.2	34.3	29.4	24.5	22.0	17.1	12.2
-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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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	9.8	7.3	2.4	0.0
85°	19.6	12.2	4.9	0.0
82.5°	29.4	19.6	7.3	0.0
80°	39.2	24.5	12.2	0.0
77.5°	48.9	29.4	14.7	0.0
75°	58.7	36.7	17.1	0.0
72.5°	66.1	41.6	19.6	0.0
70°	78.3	48.9	22.0	0.0
67.5°	97.9	53.8	24.5	0.0
65°	115.0	58.7	26.9	0.0
62.5°	134.6	63.6	29.4	0.0
60°	151.7	68.5	31.8	0.0
57.5°	168.8	80.8	34.3	0.0
55°	183.5	90.5	36.7	0.0
52.5°	200.7	100.3	39.2	0.0
50°	215.3	110.1	41.6	0.0
47.5°	227.6	119.9	41.6	0.0
45°	237.4	127.2	44.0	0.0
42.5°	244.7	134.6	46.5	0.0
40°	252.0	141.9	48.9	0.0
37.5°	259.4	149.3	48.9	0.0
35°	266.7	156.6	51.4	0.0
32.5°	274.1	164.0	51.4	0.0
30°	279.0	168.8	53.8	0.0
27.5°	286.3	173.7	53.8	0.0
25°	288.7	178.6	56.3	0.0
22.5°	293.6	181.1	56.3	0.0
20°	298.5	186.0	56.3	0.0
17.5°	301.0	188.4	58.7	0.0
15°	301.0	190.9	61.2	0.0
12.5°	303.4	193.3	61.2	0.0
10°	303.4	198.2	58.7	0.0
7.5°	308.3	195.8	58.7	0.0
5°	305.9	195.8	58.7	0.0
2.5°	303.4	193.3	58.7	0.0
0°	301.0	193.3	58.7	0.0
-2.5°	301.0	193.3	58.7	0.0
-5°	301.0	193.3	58.7	0.0
-7.5°	298.5	195.8	58.7	0.0
-10°	293.6	195.8	58.7	0.0
-12.5°	291.2	188.4	58.7	0.0
-15°	288.7	186.0	58.7	0.0
-17.5°	283.9	183.5	56.3	0.0
-20°	279.0	181.1	56.3	0.0



REPORT NUMBER: P722208
CATALOG NUMBER: IFLD-M-SA4C-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	274.1	176.2	56.3	0.0
-25°	269.2	171.3	53.8	0.0
-27.5°	264.3	166.4	53.8	0.0
-30°	256.9	161.5	51.4	0.0
-32.5°	249.6	156.6	51.4	0.0
-35°	244.7	149.3	48.9	0.0
-37.5°	237.4	141.9	48.9	0.0
-40°	230.0	134.6	46.5	0.0
-42.5°	222.7	127.2	44.0	0.0
-45°	212.9	119.9	44.0	0.0
-47.5°	205.6	112.6	41.6	0.0
-50°	193.3	102.8	39.2	0.0
-52.5°	178.6	93.0	36.7	0.0
-55°	164.0	85.6	34.3	0.0
-57.5°	149.3	75.9	34.3	0.0
-60°	134.6	66.1	31.8	0.0
-62.5°	119.9	61.2	29.4	0.0
-65°	105.2	56.3	26.9	0.0
-67.5°	88.1	48.9	24.5	0.0
-70°	73.4	44.0	22.0	0.0
-72.5°	63.6	39.2	19.6	0.0
-75°	53.8	34.3	17.1	0.0
-77.5°	46.5	29.4	14.7	0.0
-80°	36.7	22.0	9.8	0.0
-82.5°	26.9	17.1	7.3	0.0
-85°	17.1	12.2	4.9	0.0
-87.5°	9.8	4.9	2.4	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)